TOWNSHIP of HOPEWELL

MERCER COUNTY

201 WASHINGTON CROSSING – PENNINGTON ROAD
TITUSVILLE, NEW JERSEY 08560-1410

PROJECT / APPLICATION

BLOCK: 93

LOT: 19, 20, 45.01, 46, p/o 60

ADDRESS: 61 NURSERY RD., SCOTCH RD., NURSERY RD., NURSERY RD., 137 NURSERY RD.

PROJECT NAME: MAJOR SUBDIVISION, PRELIMINARY/FINAL AND SITE PLAN, PRELIMINARY/FINAL (VENUE AT HOPEWELL)

SWM PLANS

P.
16,001-19,393

OCTOBER 2025

Hydrograph for Subcatchment UPDA-5: PDA-5 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.02	0.02
5.25	0.57	0.00	0.00	7.85	0.98	0.02	0.02
5.30	0.58	0.00	0.00	7.90	0.99	0.02	0.02
5.35	0.58	0.00	0.00	7.95	1.00	0.02	0.02
5.40	0.59	0.00	0.00	8.00	1.01	0.02	0.02
5.45	0.60	0.00	0.00	8.05	1.02	0.03	0.02
5.50	0.60	0.00	0.00	8.10	1.03	0.03	0.02
5.55	0.61	0.00	0.00	8.15	1.04	0.03	0.02
5.60	0.62	0.00	0.00	8.20	1.05	0.03	0.02
5.65	0.62	0.00	0.00	8.25	1.06	0.03	0.02
5.70	0.63	0.00	0.00	8.30	1.07	0.04	0.02
5.75	0.64	0.00	0.00	8.35	1.08	0.04	0.02
5.80	0.64	0.00	0.00	8.40	1.10	0.04	0.03
5.85	0.65	0.00	0.00	8.45	1.11	0.04	0.03
5.90	0.66	0.00	0.00	8.50	1.12	0.04	0.03
5.95	0.66	0.00	0.00	8.55	1.13	0.05	0.03
6.00	0.67	0.00	0.00	8.60	1.14	0.05	0.03
6.05	0.68	0.00	0.00	8.65	1.15	0.05	0.03
6.10	0.68	0.00	0.00	8.70	1.16	0.05	0.03
6.15	0.69	0.00	0.00	8.75	1.17	0.06	0.03
6.20	0.70	0.00	0.00	8.80	1.19	0.06	0.03
6.25	0.70	0.00	0.00	8.85	1.20	0.06	0.03
6.30	0.71	0.00	0.00	8.90	1.21	0.06	0.03
6.35	0.72	0.00	0.00	8.95	1.22	0.07	0.04
6.40	0.73	0.00	0.00	9.00	1.23	0.07	0.04
6.45	0.73	0.00	0.00	9.05	1.25	0.07	0.04
6.50	0.74	0.00	0.00	9.10	1.26	0.08	0.04
6.55	0.75	0.00	0.00	9.15	1.27	0.08	0.04
6.60	0.76	0.00	0.00	9.20	1.28	0.08	0.04
6.65	0.77	0.00	0.00	9.25	1.30	0.09	0.04
6.70	0.77	0.00	0.00	9.30	1.31	0.09	0.05
6.75	0.78	0.00	0.00	9.35	1.33	0.09	0.05
6.80	0.79	0.00	0.00	9.40	1.34	0.10	0.05
6.85	0.80	0.00	0.00	9.45	1.35	0.10	0.05
6.90	0.81	0.00	0.00	9.50	1.37	0.11	0.05
6.95	0.81	0.00	0.01	9.55	1.39	0.11	0.06
7.00	0.82	0.00	0.01	9.60	1.40	0.12	0.06
7.05	0.83	0.00	0.01	9.65	1.42	0.12	0.06
7.10	0.84	0.01	0.01	9.70	1.43	0.13	0.06
7.15	0.85	0.01	0.01	9.75	1.45	0.13	0.07
7.20	0.86	0.01	0.01	9.80	1.47	0.14	0.07
7.25	0.87	0.01	0.01	9.85	1.49	0.14	0.07
7.30	0.88	0.01	0.01	9.90	1.50	0.15	0.07
7.35	0.89	0.01	0.01	9.95	1.52	0.15	0.08
7.40	0.89	0.01	0.01	10.00	1.54	0.16	0.08
7.45	0.90	0.01	0.01	10.05	1.56	0.17	0.08
7.50	0.91	0.01	0.01	10.10	1.58	0.17	0.08
7.55	0.92	0.01	0.01	10.15	1.60	0.18	0.09
7.60	0.93	0.01	0.01	10.20	1.62	0.19	0.09
7.65	0.94	0.02	0.01	10.25	1.64	0.20	0.09
7.70	0.95	0.02	0.01	10.30	1.66	0.20	0.10
7.75	0.96	0.02	0.02	10.35	1.68	0.21	0.10

Hydrograph for Subcatchment UPDA-5: PDA-5 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.22	0.10	13.00	6.41	3.54	0.47
10.45	1.72	0.23	0.10	13.05	6.45	3.57	0.44
10.50	1.74	0.24	0.11	13.10	6.48	3.59	0.42
10.55	1.76	0.25	0.11	13.15	6.51	3.62	0.39
10.60	1.79	0.26	0.12	13.20	6.54	3.65	0.38
10.65	1.81	0.27	0.12	13.25	6.57	3.67	0.36
10.70	1.84	0.28	0.13	13.30	6.60	3.70	0.35
10.75	1.87	0.29	0.14	13.35	6.63	3.72	0.33
10.80	1.90	0.30	0.15	13.40	6.65	3.74	0.32
10.85	1.93	0.32	0.16	13.45	6.68	3.76	0.31
10.90	1.96	0.33	0.17	13.50	6.70	3.78	0.29
10.95	1.99	0.35	0.18	13.55	6.72	3.80	0.28
11.00	2.03	0.36	0.19	13.60	6.74	3.82	0.27
11.05	2.06	0.38	0.20	13.65	6.76	3.84	0.25
11.10	2.10	0.40	0.22	13.70	6.78	3.85	0.25
11.15	2.14	0.42	0.23	13.75	6.80	3.87	0.24
11.20	2.19	0.44	0.25	13.80	6.82	3.89	0.24
11.25	2.23	0.46	0.27	13.85	6.84	3.91	0.23
11.30	2.28	0.49	0.29	13.90	6.86	3.92	0.23
11.35	2.33	0.52	0.31	13.95	6.88	3.94	0.23
11.40	2.38	0.54	0.33	14.00	6.90	3.96	0.22
11.45	2.44	0.57	0.35	14.05	6.92	3.97	0.22
11.50	2.49	0.60	0.37	14.10	6.94	3.99	0.21
11.55	2.58	0.65	0.40	14.15	6.95	4.00	0.21
11.60	2.66	0.70	0.49	14.20	6.97	4.02	0.21
11.65	2.75	0.76	0.58	14.25	6.99	4.03	0.20
11.70	2.84	0.81	0.64	14.30	7.01	4.05	0.20
11.75	2.97	0.89	0.70	14.35	7.02	4.06	0.20
11.80	3.09	0.97	0.81	14.40	7.04	4.08	0.19
11.85	3.26	1.08	0.96	14.45	7.05	4.09	0.19
11.90	3.43	1.19	1.16	14.50	7.07	4.10	0.19
11.95	3.73	1.40	1.42	14.55	7.09	4.12	0.18
12.00	4.02	1.61	1.89	14.60	7.10	4.13	0.18
12.05	4.52	1.98	2.51	14.65	7.11	4.14	0.18
12.10	5.01	2.37	3.40	14.70	7.13	4.15	0.17
12.15	5.18	2.51	**4.10**	14.75	7.14	4.17	0.17
12.20	5.35	2.65	3.58	14.80	7.16	4.18	0.16
12.25	5.47	2.75	2.62	14.85	7.17	4.19	0.16
12.30	5.60	2.85	1.99	14.90	7.18	4.20	0.16
12.35	5.69	2.92	1.60	14.95	7.19	4.21	0.15
12.40	5.78	3.00	1.33	15.00	7.21	4.22	0.15
12.45	5.86	3.07	1.13	15.05	7.22	4.23	0.15
12.50	5.95	3.14	1.03	15.10	7.23	4.24	0.14
12.55	6.00	3.19	0.96	15.15	7.24	4.25	0.14
12.60	6.06	3.23	0.84	15.20	7.25	4.26	0.14
12.65	6.11	3.28	0.71	15.25	7.27	4.27	0.14
12.70	6.16	3.32	0.64	15.30	7.28	4.28	0.14
12.75	6.21	3.36	0.60	15.35	7.29	4.29	0.13
12.80	6.25	3.40	0.57	15.40	7.30	4.30	0.13
12.85	6.30	3.44	0.54	15.45	7.31	4.31	0.13
12.90	6.34	3.47	0.52	15.50	7.32	4.32	0.13
12.95	6.38	3.50	0.49	15.55	7.33	4.33	0.13

Hydrograph for Subcatchment UPDA-5: PDA-5 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	4.34	0.13	18.20	7.80	4.75	0.08
15.65	7.36	4.35	0.13	18.25	7.80	4.75	0.08
15.70	7.37	4.36	0.13	18.30	7.81	4.76	0.08
15.75	7.38	4.37	0.13	18.35	7.82	4.76	0.08
15.80	7.39	4.38	0.13	18.40	7.82	4.77	0.08
15.85	7.40	4.39	0.12	18.45	7.83	4.78	0.08
15.90	7.41	4.40	0.12	18.50	7.84	4.78	0.08
15.95	7.42	4.41	0.12	18.55	7.84	4.79	0.08
16.00	7.43	4.42	0.12	18.60	7.85	4.79	0.08
16.05	7.44	4.43	0.12	18.65	7.86	4.80	0.08
16.10	7.45	4.44	0.12	18.70	7.86	4.80	0.08
16.15	7.46	4.44	0.12	18.75	7.87	4.81	0.08
16.20	7.47	4.45	0.12	18.80	7.88	4.82	0.08
16.25	7.48	4.46	0.12	18.85	7.88	4.82	0.08
16.30	7.49	4.47	0.12	18.90	7.89	4.83	0.08
16.35	7.50	4.48	0.12	18.95	7.90	4.83	0.08
16.40	7.51	4.49	0.11	19.00	7.90	4.84	0.08
16.45	7.52	4.50	0.11	19.05	7.91	4.84	0.08
16.50	7.53	4.50	0.11	19.10	7.92	4.85	0.08
16.55	7.54	4.51	0.11	19.15	7.92	4.86	0.08
16.60	7.55	4.52	0.11	19.20	7.93	4.86	0.08
16.65	7.55	4.53	0.11	19.25	7.93	4.87	0.07
16.70	7.56	4.54	0.11	19.30	7.94	4.87	0.07
16.75	7.57	4.55	0.11	19.35	7.95	4.88	0.07
16.80	7.58	4.55	0.11	19.40	7.95	4.88	0.07
16.85	7.59	4.56	0.11	19.45	7.96	4.89	0.07
16.90	7.60	4.57	0.10	19.50	7.97	4.90	0.07
16.95	7.61	4.58	0.10	19.55	7.97	4.90	0.07
17.00	7.62	4.58	0.10	19.60	7.98	4.91	0.07
17.05	7.63	4.59	0.10	19.65	7.98	4.91	0.07
17.10	7.63	4.60	0.10	19.70	7.99	4.92	0.07
17.15	7.64	4.61	0.10	19.75	8.00	4.92	0.07
17.20	7.65	4.61	0.10	19.80	8.00	4.93	0.07
17.25	7.66	4.62	0.10	19.85	8.01	4.93	0.07
17.30	7.67	4.63	0.10	19.90	8.01	4.94	0.07
17.35	7.67	4.64	0.10	19.95	8.02	4.94	0.07
17.40	7.68	4.64	0.09	20.00	8.03	4.95	0.07
17.45	7.69	4.65	0.09	20.05	8.03	4.96	0.07
17.50	7.70	4.66	0.09	20.10	8.04	4.96	0.07
17.55	7.71	4.66	0.09	20.15	8.04	4.97	0.07
17.60	7.71	4.67	0.09	20.20	8.05	4.97	0.07
17.65	7.72	4.68	0.09	20.25	8.06	4.98	0.07
17.70	7.73	4.68	0.09	20.30	8.06	4.98	0.07
17.75	7.74	4.69	0.09	20.35	8.07	4.99	0.07
17.80	7.74	4.70	0.09	20.40	8.07	4.99	0.07
17.85	7.75	4.70	0.09	20.45	8.08	5.00	0.07
17.90	7.76	4.71	0.09	20.50	8.09	5.00	0.07
17.95	7.76	4.72	0.08	20.55	8.09	5.01	0.07
18.00	7.77	4.72	0.08	20.60	8.10	5.01	0.07
18.05	7.78	4.73	0.08	20.65	8.10	5.02	0.07
18.10	7.78	4.73	0.08	20.70	8.11	5.02	0.07
18.15	7.79	4.74	0.08	20.75	8.11	5.03	0.07

Hydrograph for Subcatchment UPDA-5: PDA-5 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	5.03	0.07	23.40	8.38	5.27	0.05
20.85	8.13	5.04	0.07	23.45	8.39	5.28	0.05
20.90	8.13	5.04	0.07	23.50	8.39	5.28	0.05
20.95	8.14	5.05	0.07	23.55	8.40	5.28	0.05
21.00	8.14	5.05	0.07	23.60	8.40	5.29	0.05
21.05	8.15	5.06	0.07	23.65	8.41	5.29	0.05
21.10	8.15	5.06	0.07	23.70	8.41	5.30	0.05
21.15	8.16	5.07	0.07	23.75	8.42	5.30	0.05
21.20	8.16	5.07	0.07	23.80	8.42	5.30	0.05
21.25	8.17	5.08	0.07	23.85	8.42	5.31	0.05
21.30	8.18	5.08	0.07	23.90	8.43	5.31	0.05
21.35	8.18	5.09	0.07	23.95	8.43	5.32	0.05
21.40	8.19	5.09	0.06	24.00	**8.44**	**5.32**	0.06
21.45	8.19	5.10	0.06	24.05	8.44	5.32	0.06
21.50	8.20	5.10	0.06	24.10	8.44	5.32	0.04
21.55	8.20	5.11	0.06	24.15	8.44	5.32	0.02
21.60	8.21	5.11	0.06	24.20	8.44	5.32	0.01
21.65	8.21	5.12	0.06	24.25	8.44	5.32	0.00
21.70	8.22	5.12	0.06	24.30	8.44	5.32	0.00
21.75	8.22	5.13	0.06	24.35	8.44	5.32	0.00
21.80	8.23	5.13	0.06	24.40	8.44	5.32	0.00
21.85	8.23	5.14	0.06	24.45	8.44	5.32	0.00
21.90	8.24	5.14	0.06	24.50	8.44	5.32	0.00
21.95	8.24	5.14	0.06	24.55	8.44	5.32	0.00
22.00	8.25	5.15	0.06	24.60	8.44	5.32	0.00
22.05	8.25	5.15	0.06	24.65	8.44	5.32	0.00
22.10	8.26	5.16	0.06	24.70	8.44	5.32	0.00
22.15	8.26	5.16	0.06	24.75	8.44	5.32	0.00
22.20	8.27	5.17	0.06	24.80	8.44	5.32	0.00
22.25	8.27	5.17	0.06	24.85	8.44	5.32	0.00
22.30	8.28	5.18	0.06	24.90	8.44	5.32	0.00
22.35	8.28	5.18	0.06	24.95	8.44	5.32	0.00
22.40	8.29	5.19	0.06	25.00	8.44	5.32	0.00
22.45	8.29	5.19	0.06	25.05	8.44	5.32	0.00
22.50	8.30	5.19	0.06	25.10	8.44	5.32	0.00
22.55	8.30	5.20	0.06	25.15	8.44	5.32	0.00
22.60	8.31	5.20	0.06	25.20	8.44	5.32	0.00
22.65	8.31	5.21	0.06	25.25	8.44	5.32	0.00
22.70	8.32	5.21	0.06	25.30	8.44	5.32	0.00
22.75	8.32	5.22	0.06	25.35	8.44	5.32	0.00
22.80	8.33	5.22	0.06	25.40	8.44	5.32	0.00
22.85	8.33	5.22	0.06	25.45	8.44	5.32	0.00
22.90	8.34	5.23	0.06	25.50	8.44	5.32	0.00
22.95	8.34	5.23	0.06	25.55	8.44	5.32	0.00
23.00	8.35	5.24	0.06	25.60	8.44	5.32	0.00
23.05	8.35	5.24	0.06	25.65	8.44	5.32	0.00
23.10	8.36	5.25	0.06	25.70	8.44	5.32	0.00
23.15	8.36	5.25	0.06	25.75	8.44	5.32	0.00
23.20	8.37	5.25	0.06	25.80	8.44	5.32	0.00
23.25	8.37	5.26	0.06	25.85	8.44	5.32	0.00
23.30	8.38	5.26	0.06	25.90	8.44	5.32	0.00
23.35	8.38	5.27	0.06	25.95	8.44	5.32	0.00

Hydrograph for Subcatchment UPDA-5: PDA-5 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	5.32	0.00	28.60	8.44	5.32	0.00
26.05	8.44	5.32	0.00	28.65	8.44	5.32	0.00
26.10	8.44	5.32	0.00	28.70	8.44	5.32	0.00
26.15	8.44	5.32	0.00	28.75	8.44	5.32	0.00
26.20	8.44	5.32	0.00	28.80	8.44	5.32	0.00
26.25	8.44	5.32	0.00	28.85	8.44	5.32	0.00
26.30	8.44	5.32	0.00	28.90	8.44	5.32	0.00
26.35	8.44	5.32	0.00	28.95	8.44	5.32	0.00
26.40	8.44	5.32	0.00	29.00	8.44	5.32	0.00
26.45	8.44	5.32	0.00	29.05	8.44	5.32	0.00
26.50	8.44	5.32	0.00	29.10	8.44	5.32	0.00
26.55	8.44	5.32	0.00	29.15	8.44	5.32	0.00
26.60	8.44	5.32	0.00	29.20	8.44	5.32	0.00
26.65	8.44	5.32	0.00	29.25	8.44	5.32	0.00
26.70	8.44	5.32	0.00	29.30	8.44	5.32	0.00
26.75	8.44	5.32	0.00	29.35	8.44	5.32	0.00
26.80	8.44	5.32	0.00	29.40	8.44	5.32	0.00
26.85	8.44	5.32	0.00	29.45	8.44	5.32	0.00
26.90	8.44	5.32	0.00	29.50	8.44	5.32	0.00
26.95	8.44	5.32	0.00	29.55	8.44	5.32	0.00
27.00	8.44	5.32	0.00	29.60	8.44	5.32	0.00
27.05	8.44	5.32	0.00	29.65	8.44	5.32	0.00
27.10	8.44	5.32	0.00	29.70	8.44	5.32	0.00
27.15	8.44	5.32	0.00	29.75	8.44	5.32	0.00
27.20	8.44	5.32	0.00	29.80	8.44	5.32	0.00
27.25	8.44	5.32	0.00	29.85	8.44	5.32	0.00
27.30	8.44	5.32	0.00	29.90	8.44	5.32	0.00
27.35	8.44	5.32	0.00	29.95	8.44	5.32	0.00
27.40	8.44	5.32	0.00	30.00	8.44	5.32	0.00
27.45	8.44	5.32	0.00	30.05	8.44	5.32	0.00
27.50	8.44	5.32	0.00	30.10	8.44	5.32	0.00
27.55	8.44	5.32	0.00	30.15	8.44	5.32	0.00
27.60	8.44	5.32	0.00	30.20	8.44	5.32	0.00
27.65	8.44	5.32	0.00	30.25	8.44	5.32	0.00
27.70	8.44	5.32	0.00	30.30	8.44	5.32	0.00
27.75	8.44	5.32	0.00	30.35	8.44	5.32	0.00
27.80	8.44	5.32	0.00	30.40	8.44	5.32	0.00
27.85	8.44	5.32	0.00	30.45	8.44	5.32	0.00
27.90	8.44	5.32	0.00	30.50	8.44	5.32	0.00
27.95	8.44	5.32	0.00	30.55	8.44	5.32	0.00
28.00	8.44	5.32	0.00	30.60	8.44	5.32	0.00
28.05	8.44	5.32	0.00	30.65	8.44	5.32	0.00
28.10	8.44	5.32	0.00	30.70	8.44	5.32	0.00
28.15	8.44	5.32	0.00	30.75	8.44	5.32	0.00
28.20	8.44	5.32	0.00	30.80	8.44	5.32	0.00
28.25	8.44	5.32	0.00	30.85	8.44	5.32	0.00
28.30	8.44	5.32	0.00	30.90	8.44	5.32	0.00
28.35	8.44	5.32	0.00	30.95	8.44	5.32	0.00
28.40	8.44	5.32	0.00	31.00	8.44	5.32	0.00
28.45	8.44	5.32	0.00	31.05	8.44	5.32	0.00
28.50	8.44	5.32	0.00	31.10	8.44	5.32	0.00
28.55	8.44	5.32	0.00	31.15	8.44	5.32	0.00

Hydrograph for Subcatchment UPDA-5: PDA-5 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	5.32	0.00	33.80	8.44	5.32	0.00
31.25	8.44	5.32	0.00	33.85	8.44	5.32	0.00
31.30	8.44	5.32	0.00	33.90	8.44	5.32	0.00
31.35	8.44	5.32	0.00	33.95	8.44	5.32	0.00
31.40	8.44	5.32	0.00	34.00	8.44	5.32	0.00
31.45	8.44	5.32	0.00	34.05	8.44	5.32	0.00
31.50	8.44	5.32	0.00	34.10	8.44	5.32	0.00
31.55	8.44	5.32	0.00	34.15	8.44	5.32	0.00
31.60	8.44	5.32	0.00	34.20	8.44	5.32	0.00
31.65	8.44	5.32	0.00	34.25	8.44	5.32	0.00
31.70	8.44	5.32	0.00	34.30	8.44	5.32	0.00
31.75	8.44	5.32	0.00	34.35	8.44	5.32	0.00
31.80	8.44	5.32	0.00	34.40	8.44	5.32	0.00
31.85	8.44	5.32	0.00	34.45	8.44	5.32	0.00
31.90	8.44	5.32	0.00	34.50	8.44	5.32	0.00
31.95	8.44	5.32	0.00	34.55	8.44	5.32	0.00
32.00	8.44	5.32	0.00	34.60	8.44	5.32	0.00
32.05	8.44	5.32	0.00	34.65	8.44	5.32	0.00
32.10	8.44	5.32	0.00	34.70	8.44	5.32	0.00
32.15	8.44	5.32	0.00	34.75	8.44	5.32	0.00
32.20	8.44	5.32	0.00	34.80	8.44	5.32	0.00
32.25	8.44	5.32	0.00	34.85	8.44	5.32	0.00
32.30	8.44	5.32	0.00	34.90	8.44	5.32	0.00
32.35	8.44	5.32	0.00	34.95	8.44	5.32	0.00
32.40	8.44	5.32	0.00	35.00	8.44	5.32	0.00
32.45	8.44	5.32	0.00	35.05	8.44	5.32	0.00
32.50	8.44	5.32	0.00	35.10	8.44	5.32	0.00
32.55	8.44	5.32	0.00	35.15	8.44	5.32	0.00
32.60	8.44	5.32	0.00	35.20	8.44	5.32	0.00
32.65	8.44	5.32	0.00	35.25	8.44	5.32	0.00
32.70	8.44	5.32	0.00	35.30	8.44	5.32	0.00
32.75	8.44	5.32	0.00	35.35	8.44	5.32	0.00
32.80	8.44	5.32	0.00	35.40	8.44	5.32	0.00
32.85	8.44	5.32	0.00	35.45	8.44	5.32	0.00
32.90	8.44	5.32	0.00	35.50	8.44	5.32	0.00
32.95	8.44	5.32	0.00	35.55	8.44	5.32	0.00
33.00	8.44	5.32	0.00	35.60	8.44	5.32	0.00
33.05	8.44	5.32	0.00	35.65	8.44	5.32	0.00
33.10	8.44	5.32	0.00	35.70	8.44	5.32	0.00
33.15	8.44	5.32	0.00	35.75	8.44	5.32	0.00
33.20	8.44	5.32	0.00	35.80	8.44	5.32	0.00
33.25	8.44	5.32	0.00	35.85	8.44	5.32	0.00
33.30	8.44	5.32	0.00	35.90	8.44	5.32	0.00
33.35	8.44	5.32	0.00	35.95	8.44	5.32	0.00
33.40	8.44	5.32	0.00	36.00	8.44	5.32	0.00
33.45	8.44	5.32	0.00	36.05	8.44	5.32	0.00
33.50	8.44	5.32	0.00	36.10	8.44	5.32	0.00
33.55	8.44	5.32	0.00	36.15	8.44	5.32	0.00
33.60	8.44	5.32	0.00	36.20	8.44	5.32	0.00
33.65	8.44	5.32	0.00	36.25	8.44	5.32	0.00
33.70	8.44	5.32	0.00	36.30	8.44	5.32	0.00
33.75	8.44	5.32	0.00	36.35	8.44	5.32	0.00

Hydrograph for Subcatchment UPDA-5: PDA-5 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	5.32	0.00
36.45	8.44	5.32	0.00
36.50	8.44	5.32	0.00
36.55	8.44	5.32	0.00
36.60	8.44	5.32	0.00
36.65	8.44	5.32	0.00
36.70	8.44	5.32	0.00
36.75	8.44	5.32	0.00
36.80	8.44	5.32	0.00
36.85	8.44	5.32	0.00
36.90	8.44	5.32	0.00
36.95	8.44	5.32	0.00
37.00	8.44	5.32	0.00
37.05	8.44	5.32	0.00
37.10	8.44	5.32	0.00
37.15	8.44	5.32	0.00
37.20	8.44	5.32	0.00
37.25	8.44	5.32	0.00
37.30	8.44	5.32	0.00
37.35	8.44	5.32	0.00
37.40	8.44	5.32	0.00
37.45	8.44	5.32	0.00
37.50	8.44	5.32	0.00
37.55	8.44	5.32	0.00
37.60	8.44	5.32	0.00
37.65	8.44	5.32	0.00
37.70	8.44	5.32	0.00
37.75	8.44	5.32	0.00
37.80	8.44	5.32	0.00
37.85	8.44	5.32	0.00
37.90	8.44	5.32	0.00
37.95	8.44	5.32	0.00
38.00	8.44	5.32	0.00
38.05	8.44	5.32	0.00
38.10	8.44	5.32	0.00
38.15	8.44	5.32	0.00
38.20	8.44	5.32	0.00
38.25	8.44	5.32	0.00
38.30	8.44	5.32	0.00
38.35	8.44	5.32	0.00
38.40	8.44	5.32	0.00
38.45	8.44	5.32	0.00
38.50	8.44	5.32	0.00
38.55	8.44	5.32	0.00
38.60	8.44	5.32	0.00
38.65	8.44	5.32	0.00
38.70	8.44	5.32	0.00
38.75	8.44	5.32	0.00
38.80	8.44	5.32	0.00
38.85	8.44	5.32	0.00
38.90	8.44	5.32	0.00
38.95	8.44	5.32	0.00
39.00	8.44	5.32	0.00
39.05	8.44	5.32	0.00
39.10	8.44	5.32	0.00
39.15	8.44	5.32	0.00
39.20	8.44	5.32	0.00
39.25	8.44	5.32	0.00
39.30	8.44	5.32	0.00
39.35	8.44	5.32	0.00
39.40	8.44	5.32	0.00
39.45	8.44	5.32	0.00
39.50	8.44	5.32	0.00
39.55	8.44	5.32	0.00
39.60	8.44	5.32	0.00
39.65	8.44	5.32	0.00
39.70	8.44	5.32	0.00
39.75	8.44	5.32	0.00
39.80	8.44	5.32	0.00
39.85	8.44	5.32	0.00
39.90	8.44	5.32	0.00
39.95	8.44	5.32	0.00
40.00	8.44	5.32	0.00

Summary for Pond B-48: Basin #48

Inflow Area = 2.265 ac, 34.26% Impervious, Inflow Depth = 6.31" for Current 100 yr event
Inflow = 14.06 cfs @ 12.11 hrs, Volume= 1.191 af
Outflow = 4.79 cfs @ 12.42 hrs, Volume= 0.943 af, Atten= 66%, Lag= 18.4 min
Primary = 4.79 cfs @ 12.42 hrs, Volume= 0.943 af
Routed to Link PDA-5 : Proposed Drainage Area #5

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 193.50' @ 12.42 hrs Surf.Area= 12,063 sf Storage= 26,129 cf

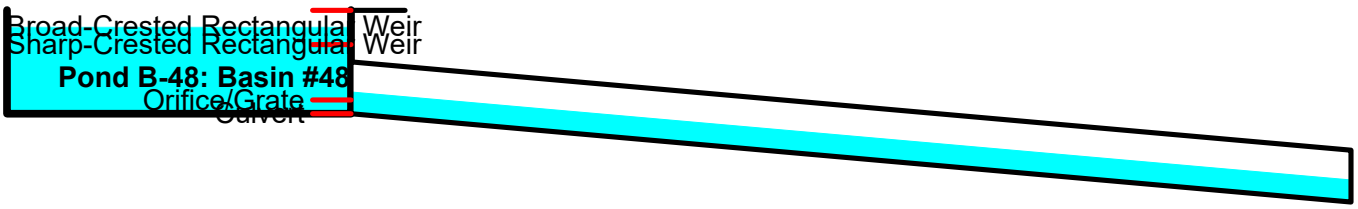
Plug-Flow detention time= 427.5 min calculated for 0.943 af (79% of inflow)
Center-of-Mass det. time= 344.4 min (1,128.9 - 784.5)

Volume	Invert	Avail.Storage	Storage Description
#1	191.00'	32,287 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

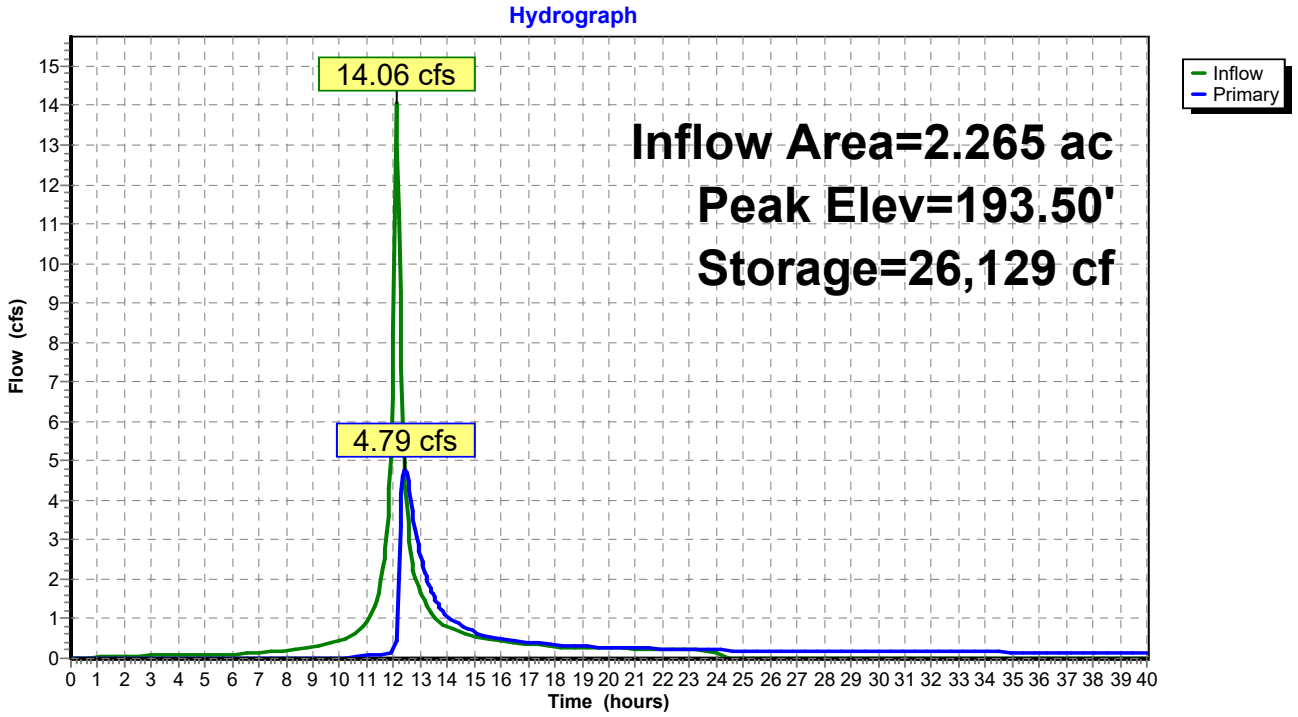
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
191.00	8,869	0	0
192.00	10,100	9,485	9,485
193.00	11,387	10,744	20,228
194.00	12,731	12,059	32,287

Device	Routing	Invert	Outlet Devices
#1	Primary	191.00'	**18.0" Round Culvert** L= 185.0' Ke= 0.500 Inlet / Outlet Invert= 191.00' / 188.45' S= 0.0138 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	191.40'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	193.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	193.99'	**50.0' long + 3.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

Primary OutFlow Max=4.76 cfs @ 12.42 hrs HW=193.50' (Free Discharge)
- **1=Culvert** (Passes 4.76 cfs of 11.26 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.23 cfs @ 6.81 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 4.53 cfs @ 2.32 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-48: Basin #48



Hydrograph for Pond B-48: Basin #48

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	191.00	0.00
0.10	0.00	0	191.00	0.00
0.20	0.00	0	191.00	0.00
0.30	0.00	0	191.00	0.00
0.40	0.00	0	191.00	0.00
0.50	0.00	0	191.00	0.00
0.60	0.01	1	191.00	0.00
0.70	0.01	5	191.00	0.00
0.80	0.02	10	191.00	0.00
0.90	0.02	17	191.00	0.00
1.00	0.02	25	191.00	0.00
1.10	0.03	34	191.00	0.00
1.20	0.03	45	191.01	0.00
1.30	0.04	58	191.01	0.00
1.40	0.04	71	191.01	0.00
1.50	0.04	85	191.01	0.00
1.60	0.04	100	191.01	0.00
1.70	0.05	116	191.01	0.00
1.80	0.05	133	191.02	0.00
1.90	0.05	151	191.02	0.00
2.00	0.05	170	191.02	0.00
2.10	0.05	189	191.02	0.00
2.20	0.06	209	191.02	0.00
2.30	0.06	230	191.03	0.00
2.40	0.06	251	191.03	0.00
2.50	0.06	273	191.03	0.00
2.60	0.06	296	191.03	0.00
2.70	0.06	319	191.04	0.00
2.80	0.07	343	191.04	0.00
2.90	0.07	367	191.04	0.00
3.00	0.07	391	191.04	0.00
3.10	0.07	417	191.05	0.00
3.20	0.07	442	191.05	0.00
3.30	0.07	468	191.05	0.00
3.40	0.07	495	191.06	0.00
3.50	0.08	522	191.06	0.00
3.60	0.08	549	191.06	0.00
3.70	0.08	577	191.06	0.00
3.80	0.08	606	191.07	0.00
3.90	0.08	634	191.07	0.00
4.00	0.08	663	191.07	0.00
4.10	0.08	693	191.08	0.00
4.20	0.08	722	191.08	0.00
4.30	0.08	753	191.08	0.00
4.40	0.09	783	191.09	0.00
4.50	0.09	814	191.09	0.00
4.60	0.09	846	191.09	0.00
4.70	0.09	877	191.10	0.00
4.80	0.09	909	191.10	0.00
4.90	0.09	941	191.11	0.00
5.00	0.09	974	191.11	0.00
5.10	0.09	1,007	191.11	0.00

Hydrograph for Pond B-48: Basin #48 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.09	1,040	191.12	0.00
5.30	0.09	1,074	191.12	0.00
5.40	0.09	1,108	191.12	0.00
5.50	0.10	1,142	191.13	0.00
5.60	0.10	1,177	191.13	0.00
5.70	0.10	1,212	191.14	0.00
5.80	0.10	1,247	191.14	0.00
5.90	0.10	1,282	191.14	0.00
6.00	0.10	1,318	191.15	0.00
6.10	0.10	1,354	191.15	0.00
6.20	0.11	1,392	191.16	0.00
6.30	0.11	1,430	191.16	0.00
6.40	0.11	1,470	191.16	0.00
6.50	0.12	1,511	191.17	0.00
6.60	0.12	1,553	191.17	0.00
6.70	0.12	1,597	191.18	0.00
6.80	0.13	1,643	191.18	0.00
6.90	0.13	1,690	191.19	0.00
7.00	0.14	1,739	191.19	0.00
7.10	0.14	1,791	191.20	0.00
7.20	0.15	1,844	191.20	0.00
7.30	0.15	1,899	191.21	0.00
7.40	0.16	1,956	191.22	0.00
7.50	0.17	2,015	191.22	0.00
7.60	0.17	2,076	191.23	0.00
7.70	0.18	2,139	191.24	0.00
7.80	0.18	2,204	191.24	0.00
7.90	0.19	2,271	191.25	0.00
8.00	0.20	2,340	191.26	0.00
8.10	0.20	2,412	191.27	0.00
8.20	0.21	2,486	191.28	0.00
8.30	0.21	2,562	191.28	0.00
8.40	0.22	2,641	191.29	0.00
8.50	0.23	2,721	191.30	0.00
8.60	0.23	2,805	191.31	0.00
8.70	0.24	2,890	191.32	0.00
8.80	0.25	2,978	191.33	0.00
8.90	0.25	3,069	191.34	0.00
9.00	0.26	3,162	191.35	0.00
9.10	0.28	3,259	191.36	0.00
9.20	0.29	3,361	191.37	0.00
9.30	0.31	3,470	191.38	0.00
9.40	0.33	3,586	191.39	0.00
9.50	0.35	3,708	191.41	0.00
9.60	0.37	3,837	191.42	0.00
9.70	0.39	3,973	191.43	0.00
9.80	0.41	4,116	191.45	0.00
9.90	0.43	4,265	191.47	0.01
10.00	0.45	4,420	191.48	0.01
10.10	0.47	4,582	191.50	0.02
10.20	0.50	4,750	191.52	0.02
10.30	0.52	4,924	191.54	0.03

Hydrograph for Pond B-48: Basin #48 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.54	5,103	191.55	0.04
10.50	0.57	5,290	191.57	0.04
10.60	0.62	5,488	191.59	0.05
10.70	0.69	5,707	191.62	0.06
10.80	0.77	5,950	191.64	0.06
10.90	0.85	6,219	191.67	0.07
11.00	0.93	6,515	191.70	0.07
11.10	1.05	6,846	191.73	0.08
11.20	1.20	7,223	191.77	0.09
11.30	1.35	7,652	191.82	0.09
11.40	1.52	8,135	191.87	0.10
11.50	1.67	8,673	191.92	0.11
11.60	2.30	9,350	191.99	0.11
11.70	2.75	10,221	192.07	0.12
11.80	3.59	11,320	192.18	0.13
11.90	5.00	12,818	192.32	0.15
12.00	8.22	15,142	192.54	0.17
12.10	**13.95**	19,087	192.90	0.19
12.20	11.30	23,379	193.27	2.05
12.30	7.39	25,573	193.46	4.18
12.40	4.96	**26,118**	**193.50**	**4.77**
12.50	3.92	25,995	193.49	4.64
12.60	2.98	25,628	193.46	4.24
12.70	2.40	25,153	193.42	3.74
12.80	2.10	24,696	193.38	3.28
12.90	1.89	24,303	193.35	2.89
13.00	1.70	23,965	193.32	2.57
13.10	1.51	23,665	193.30	2.30
13.20	1.37	23,397	193.27	2.07
13.30	1.26	23,162	193.25	1.87
13.40	1.16	22,954	193.24	1.70
13.50	1.06	22,767	193.22	1.55
13.60	0.96	22,595	193.21	1.42
13.70	0.90	22,438	193.19	1.30
13.80	0.86	22,302	193.18	1.21
13.90	0.83	22,186	193.17	1.12
14.00	0.80	22,087	193.16	1.06
14.10	0.78	22,001	193.15	1.00
14.20	0.75	21,925	193.15	0.95
14.30	0.72	21,857	193.14	0.91
14.40	0.70	21,794	193.14	0.87
14.50	0.67	21,735	193.13	0.83
14.60	0.65	21,681	193.13	0.80
14.70	0.62	21,628	193.12	0.77
14.80	0.59	21,576	193.12	0.74
14.90	0.57	21,526	193.11	0.71
15.00	0.54	21,476	193.11	0.68
15.10	0.52	21,427	193.10	0.65
15.20	0.50	21,380	193.10	0.62
15.30	0.49	21,338	193.10	0.60
15.40	0.48	21,299	193.09	0.58
15.50	0.47	21,265	193.09	0.56

Hydrograph for Pond B-48: Basin #48 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.47	21,234	193.09	0.55
15.70	0.46	21,206	193.09	0.54
15.80	0.45	21,180	193.08	0.52
15.90	0.45	21,156	193.08	0.51
16.00	0.44	21,133	193.08	0.50
16.10	0.43	21,113	193.08	0.49
16.20	0.43	21,093	193.08	0.48
16.30	0.42	21,074	193.07	0.47
16.40	0.41	21,056	193.07	0.46
16.50	0.40	21,039	193.07	0.45
16.60	0.40	21,022	193.07	0.44
16.70	0.39	21,005	193.07	0.44
16.80	0.38	20,989	193.07	0.43
16.90	0.38	20,972	193.07	0.42
17.00	0.37	20,955	193.06	0.42
17.10	0.36	20,938	193.06	0.41
17.20	0.36	20,921	193.06	0.40
17.30	0.35	20,904	193.06	0.40
17.40	0.34	20,887	193.06	0.39
17.50	0.34	20,869	193.06	0.38
17.60	0.33	20,852	193.05	0.38
17.70	0.32	20,835	193.05	0.37
17.80	0.31	20,818	193.05	0.36
17.90	0.31	20,801	193.05	0.35
18.00	0.30	20,784	193.05	0.35
18.10	0.29	20,766	193.05	0.34
18.20	0.29	20,749	193.05	0.33
18.30	0.29	20,734	193.04	0.33
18.40	0.28	20,719	193.04	0.32
18.50	0.28	20,706	193.04	0.32
18.60	0.28	20,694	193.04	0.31
18.70	0.28	20,684	193.04	0.31
18.80	0.28	20,673	193.04	0.30
18.90	0.28	20,663	193.04	0.30
19.00	0.27	20,654	193.04	0.30
19.10	0.27	20,645	193.04	0.30
19.20	0.27	20,636	193.04	0.29
19.30	0.27	20,627	193.03	0.29
19.40	0.27	20,618	193.03	0.29
19.50	0.26	20,610	193.03	0.29
19.60	0.26	20,602	193.03	0.29
19.70	0.26	20,594	193.03	0.28
19.80	0.26	20,586	193.03	0.28
19.90	0.26	20,579	193.03	0.28
20.00	0.26	20,571	193.03	0.28
20.10	0.25	20,564	193.03	0.27
20.20	0.25	20,556	193.03	0.27
20.30	0.25	20,549	193.03	0.27
20.40	0.25	20,542	193.03	0.27
20.50	0.25	20,535	193.03	0.27
20.60	0.25	20,528	193.03	0.27
20.70	0.24	20,521	193.03	0.26

Hydrograph for Pond B-48: Basin #48 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.24	20,514	193.03	0.26
20.90	0.24	20,507	193.02	0.26
21.00	0.24	20,500	193.02	0.26
21.10	0.24	20,493	193.02	0.26
21.20	0.23	20,486	193.02	0.25
21.30	0.23	20,480	193.02	0.25
21.40	0.23	20,473	193.02	0.25
21.50	0.23	20,467	193.02	0.25
21.60	0.23	20,460	193.02	0.25
21.70	0.23	20,453	193.02	0.24
21.80	0.23	20,447	193.02	0.24
21.90	0.22	20,440	193.02	0.24
22.00	0.22	20,434	193.02	0.24
22.10	0.22	20,427	193.02	0.24
22.20	0.22	20,420	193.02	0.24
22.30	0.22	20,414	193.02	0.23
22.40	0.21	20,407	193.02	0.23
22.50	0.21	20,401	193.02	0.23
22.60	0.21	20,394	193.01	0.23
22.70	0.21	20,388	193.01	0.23
22.80	0.21	20,381	193.01	0.23
22.90	0.20	20,375	193.01	0.22
23.00	0.20	20,368	193.01	0.22
23.10	0.20	20,362	193.01	0.22
23.20	0.20	20,355	193.01	0.22
23.30	0.20	20,348	193.01	0.22
23.40	0.20	20,342	193.01	0.21
23.50	0.19	20,335	193.01	0.21
23.60	0.19	20,328	193.01	0.21
23.70	0.19	20,321	193.01	0.21
23.80	0.19	20,313	193.01	0.21
23.90	0.19	20,305	193.01	0.21
24.00	0.21	20,301	193.01	0.21
24.10	0.11	20,284	193.00	0.21
24.20	0.04	20,236	193.00	0.20
24.30	0.01	20,171	193.00	0.20
24.40	0.00	20,101	192.99	0.20
24.50	0.00	20,029	192.98	0.20
24.60	0.00	19,958	192.98	0.20
24.70	0.00	19,886	192.97	0.20
24.80	0.00	19,815	192.96	0.20
24.90	0.00	19,743	192.96	0.20
25.00	0.00	19,672	192.95	0.20
25.10	0.00	19,601	192.94	0.20
25.20	0.00	19,530	192.94	0.20
25.30	0.00	19,460	192.93	0.20
25.40	0.00	19,389	192.93	0.20
25.50	0.00	19,319	192.92	0.20
25.60	0.00	19,248	192.91	0.19
25.70	0.00	19,178	192.91	0.19
25.80	0.00	19,108	192.90	0.19
25.90	0.00	19,039	192.89	0.19

Hydrograph for Pond B-48: Basin #48 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	18,969	192.89	0.19
26.10	0.00	18,900	192.88	0.19
26.20	0.00	18,830	192.88	0.19
26.30	0.00	18,761	192.87	0.19
26.40	0.00	18,692	192.86	0.19
26.50	0.00	18,623	192.86	0.19
26.60	0.00	18,555	192.85	0.19
26.70	0.00	18,486	192.85	0.19
26.80	0.00	18,418	192.84	0.19
26.90	0.00	18,350	192.83	0.19
27.00	0.00	18,282	192.83	0.19
27.10	0.00	18,214	192.82	0.19
27.20	0.00	18,146	192.82	0.19
27.30	0.00	18,078	192.81	0.19
27.40	0.00	18,011	192.80	0.19
27.50	0.00	17,944	192.80	0.19
27.60	0.00	17,877	192.79	0.19
27.70	0.00	17,810	192.78	0.19
27.80	0.00	17,743	192.78	0.19
27.90	0.00	17,676	192.77	0.18
28.00	0.00	17,610	192.77	0.18
28.10	0.00	17,543	192.76	0.18
28.20	0.00	17,477	192.76	0.18
28.30	0.00	17,411	192.75	0.18
28.40	0.00	17,345	192.74	0.18
28.50	0.00	17,280	192.74	0.18
28.60	0.00	17,214	192.73	0.18
28.70	0.00	17,149	192.73	0.18
28.80	0.00	17,084	192.72	0.18
28.90	0.00	17,019	192.71	0.18
29.00	0.00	16,954	192.71	0.18
29.10	0.00	16,889	192.70	0.18
29.20	0.00	16,824	192.70	0.18
29.30	0.00	16,760	192.69	0.18
29.40	0.00	16,696	192.68	0.18
29.50	0.00	16,632	192.68	0.18
29.60	0.00	16,568	192.67	0.18
29.70	0.00	16,504	192.67	0.18
29.80	0.00	16,440	192.66	0.18
29.90	0.00	16,377	192.66	0.18
30.00	0.00	16,313	192.65	0.18
30.10	0.00	16,250	192.64	0.18
30.20	0.00	16,187	192.64	0.17
30.30	0.00	16,124	192.63	0.17
30.40	0.00	16,062	192.63	0.17
30.50	0.00	15,999	192.62	0.17
30.60	0.00	15,937	192.61	0.17
30.70	0.00	15,875	192.61	0.17
30.80	0.00	15,813	192.60	0.17
30.90	0.00	15,751	192.60	0.17
31.00	0.00	15,689	192.59	0.17
31.10	0.00	15,628	192.59	0.17

Hydrograph for Pond B-48: Basin #48 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	15,566	192.58	0.17
31.30	0.00	15,505	192.58	0.17
31.40	0.00	15,444	192.57	0.17
31.50	0.00	15,383	192.56	0.17
31.60	0.00	15,322	192.56	0.17
31.70	0.00	15,262	192.55	0.17
31.80	0.00	15,201	192.55	0.17
31.90	0.00	15,141	192.54	0.17
32.00	0.00	15,081	192.54	0.17
32.10	0.00	15,021	192.53	0.17
32.20	0.00	14,961	192.52	0.17
32.30	0.00	14,902	192.52	0.17
32.40	0.00	14,842	192.51	0.16
32.50	0.00	14,783	192.51	0.16
32.60	0.00	14,724	192.50	0.16
32.70	0.00	14,665	192.50	0.16
32.80	0.00	14,606	192.49	0.16
32.90	0.00	14,547	192.49	0.16
33.00	0.00	14,489	192.48	0.16
33.10	0.00	14,431	192.48	0.16
33.20	0.00	14,372	192.47	0.16
33.30	0.00	14,314	192.46	0.16
33.40	0.00	14,257	192.46	0.16
33.50	0.00	14,199	192.45	0.16
33.60	0.00	14,141	192.45	0.16
33.70	0.00	14,084	192.44	0.16
33.80	0.00	14,027	192.44	0.16
33.90	0.00	13,970	192.43	0.16
34.00	0.00	13,913	192.43	0.16
34.10	0.00	13,856	192.42	0.16
34.20	0.00	13,800	192.42	0.16
34.30	0.00	13,744	192.41	0.16
34.40	0.00	13,687	192.41	0.16
34.50	0.00	13,631	192.40	0.16
34.60	0.00	13,575	192.40	0.15
34.70	0.00	13,520	192.39	0.15
34.80	0.00	13,464	192.38	0.15
34.90	0.00	13,409	192.38	0.15
35.00	0.00	13,354	192.37	0.15
35.10	0.00	13,299	192.37	0.15
35.20	0.00	13,244	192.36	0.15
35.30	0.00	13,189	192.36	0.15
35.40	0.00	13,135	192.35	0.15
35.50	0.00	13,080	192.35	0.15
35.60	0.00	13,026	192.34	0.15
35.70	0.00	12,972	192.34	0.15
35.80	0.00	12,918	192.33	0.15
35.90	0.00	12,864	192.33	0.15
36.00	0.00	12,811	192.32	0.15
36.10	0.00	12,757	192.32	0.15
36.20	0.00	12,704	192.31	0.15
36.30	0.00	12,651	192.31	0.15

Hydrograph for Pond B-48: Basin #48 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	12,598	192.30	0.15
36.50	0.00	12,546	192.30	0.15
36.60	0.00	12,493	192.29	0.15
36.70	0.00	12,441	192.29	0.15
36.80	0.00	12,389	192.28	0.14
36.90	0.00	12,336	192.28	0.14
37.00	0.00	12,285	192.27	0.14
37.10	0.00	12,233	192.27	0.14
37.20	0.00	12,181	192.26	0.14
37.30	0.00	12,130	192.26	0.14
37.40	0.00	12,079	192.25	0.14
37.50	0.00	12,028	192.25	0.14
37.60	0.00	11,977	192.24	0.14
37.70	0.00	11,926	192.24	0.14
37.80	0.00	11,876	192.23	0.14
37.90	0.00	11,825	192.23	0.14
38.00	0.00	11,775	192.22	0.14
38.10	0.00	11,725	192.22	0.14
38.20	0.00	11,675	192.21	0.14
38.30	0.00	11,625	192.21	0.14
38.40	0.00	11,576	192.20	0.14
38.50	0.00	11,527	192.20	0.14
38.60	0.00	11,477	192.19	0.14
38.70	0.00	11,428	192.19	0.14
38.80	0.00	11,379	192.19	0.14
38.90	0.00	11,331	192.18	0.13
39.00	0.00	11,282	192.18	0.13
39.10	0.00	11,234	192.17	0.13
39.20	0.00	11,186	192.17	0.13
39.30	0.00	11,138	192.16	0.13
39.40	0.00	11,090	192.16	0.13
39.50	0.00	11,042	192.15	0.13
39.60	0.00	10,995	192.15	0.13
39.70	0.00	10,947	192.14	0.13
39.80	0.00	10,900	192.14	0.13
39.90	0.00	10,853	192.13	0.13
40.00	0.00	10,806	192.13	0.13

Stage-Discharge for Pond B-48: Basin #48

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
191.00	0.00	191.52	0.02	192.04	0.12	192.56	0.17
191.01	0.00	191.53	0.03	192.05	0.12	192.57	0.17
191.02	0.00	191.54	0.03	192.06	0.12	192.58	0.17
191.03	0.00	191.55	0.03	192.07	0.12	192.59	0.17
191.04	0.00	191.56	0.04	192.08	0.12	192.60	0.17
191.05	0.00	191.57	0.04	192.09	0.13	192.61	0.17
191.06	0.00	191.58	0.05	192.10	0.13	192.62	0.17
191.07	0.00	191.59	0.05	192.11	0.13	192.63	0.17
191.08	0.00	191.60	0.05	192.12	0.13	192.64	0.17
191.09	0.00	191.61	0.05	192.13	0.13	192.65	0.18
191.10	0.00	191.62	0.06	192.14	0.13	192.66	0.18
191.11	0.00	191.63	0.06	192.15	0.13	192.67	0.18
191.12	0.00	191.64	0.06	192.16	0.13	192.68	0.18
191.13	0.00	191.65	0.06	192.17	0.13	192.69	0.18
191.14	0.00	191.66	0.06	192.18	0.13	192.70	0.18
191.15	0.00	191.67	0.07	192.19	0.14	192.71	0.18
191.16	0.00	191.68	0.07	192.20	0.14	192.72	0.18
191.17	0.00	191.69	0.07	192.21	0.14	192.73	0.18
191.18	0.00	191.70	0.07	192.22	0.14	192.74	0.18
191.19	0.00	191.71	0.07	192.23	0.14	192.75	0.18
191.20	0.00	191.72	0.08	192.24	0.14	192.76	0.18
191.21	0.00	191.73	0.08	192.25	0.14	192.77	0.18
191.22	0.00	191.74	0.08	192.26	0.14	192.78	0.19
191.23	0.00	191.75	0.08	192.27	0.14	192.79	0.19
191.24	0.00	191.76	0.08	192.28	0.14	192.80	0.19
191.25	0.00	191.77	0.08	192.29	0.15	192.81	0.19
191.26	0.00	191.78	0.09	192.30	0.15	192.82	0.19
191.27	0.00	191.79	0.09	192.31	0.15	192.83	0.19
191.28	0.00	191.80	0.09	192.32	0.15	192.84	0.19
191.29	0.00	191.81	0.09	192.33	0.15	192.85	0.19
191.30	0.00	191.82	0.09	192.34	0.15	192.86	0.19
191.31	0.00	191.83	0.09	192.35	0.15	192.87	0.19
191.32	0.00	191.84	0.10	192.36	0.15	192.88	0.19
191.33	0.00	191.85	0.10	192.37	0.15	192.89	0.19
191.34	0.00	191.86	0.10	192.38	0.15	192.90	0.19
191.35	0.00	191.87	0.10	192.39	0.15	192.91	0.19
191.36	0.00	191.88	0.10	192.40	0.16	192.92	0.20
191.37	0.00	191.89	0.10	192.41	0.16	192.93	0.20
191.38	0.00	191.90	0.10	192.42	0.16	192.94	0.20
191.39	0.00	191.91	0.10	192.43	0.16	192.95	0.20
191.40	0.00	191.92	0.11	192.44	0.16	192.96	0.20
191.41	0.00	191.93	0.11	192.45	0.16	192.97	0.20
191.42	0.00	191.94	0.11	192.46	0.16	192.98	0.20
191.43	0.00	191.95	0.11	192.47	0.16	192.99	0.20
191.44	0.00	191.96	0.11	192.48	0.16	193.00	0.20
191.45	0.00	191.97	0.11	192.49	0.16	193.01	0.21
191.46	0.01	191.98	0.11	192.50	0.16	193.02	0.24
191.47	0.01	191.99	0.11	192.51	0.16	193.03	0.27
191.48	0.01	192.00	0.12	192.52	0.17	193.04	0.31
191.49	0.01	192.01	0.12	192.53	0.17	193.05	0.35
191.50	0.02	192.02	0.12	192.54	0.17	193.06	0.40
191.51	0.02	192.03	0.12	192.55	0.17	193.07	0.45

Stage-Discharge for Pond B-48: Basin #48 (continued)

Elevation (feet)	Primary (cfs)
193.08	0.50
193.09	0.56
193.10	0.62
193.11	0.68
193.12	0.75
193.13	0.82
193.14	0.89
193.15	0.96
193.16	1.04
193.17	1.12
193.18	1.20
193.19	1.29
193.20	1.37
193.21	1.46
193.22	1.55
193.23	1.64
193.24	1.74
193.25	1.83
193.26	1.93
193.27	2.03
193.28	2.13
193.29	2.23
193.30	2.34
193.31	2.44
193.32	2.55
193.33	2.66
193.34	2.77
193.35	2.88
193.36	3.00
193.37	3.11
193.38	3.23
193.39	3.35
193.40	3.47
193.41	3.59
193.42	3.71
193.43	3.84
193.44	3.96
193.45	4.09
193.46	4.22
193.47	4.35
193.48	4.48
193.49	4.61
193.50	4.74
193.51	4.87
193.52	5.01
193.53	5.15
193.54	5.28
193.55	5.42
193.56	5.56
193.57	5.70
193.58	5.85
193.59	5.99
193.60	6.13
193.61	6.28
193.62	6.43
193.63	6.57
193.64	6.72
193.65	6.87
193.66	7.02
193.67	7.17
193.68	7.33
193.69	7.48
193.70	7.64
193.71	7.79
193.72	7.95
193.73	8.11
193.74	8.26
193.75	8.42
193.76	8.58
193.77	8.74
193.78	8.91
193.79	9.07
193.80	9.23
193.81	9.40
193.82	9.56
193.83	9.73
193.84	9.90
193.85	10.07
193.86	10.24
193.87	10.40
193.88	10.58
193.89	10.75
193.90	10.92
193.91	11.09
193.92	11.27
193.93	11.44
193.94	11.62
193.95	11.79
193.96	11.97
193.97	12.15
193.98	12.33
193.99	12.51
194.00	**12.81**

Stage-Area-Storage for Pond B-48: Basin #48

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
191.00	8,869	0	191.52	9,509	4,778
191.01	8,881	89	191.53	9,521	4,873
191.02	8,894	178	191.54	9,534	4,969
191.03	8,906	267	191.55	9,546	5,064
191.04	8,918	356	191.56	9,558	5,160
191.05	8,931	445	191.57	9,571	5,255
191.06	8,943	534	191.58	9,583	5,351
191.07	8,955	624	191.59	9,595	5,447
191.08	8,967	713	191.60	9,608	5,543
191.09	8,980	803	191.61	9,620	5,639
191.10	8,992	893	191.62	9,632	5,735
191.11	9,004	983	191.63	9,645	5,832
191.12	9,017	1,073	191.64	9,657	5,928
191.13	9,029	1,163	191.65	9,669	6,025
191.14	9,041	1,254	191.66	9,681	6,122
191.15	9,054	1,344	191.67	9,694	6,219
191.16	9,066	1,435	191.68	9,706	6,316
191.17	9,078	1,526	191.69	9,718	6,413
191.18	9,091	1,616	191.70	9,731	6,510
191.19	9,103	1,707	191.71	9,743	6,607
191.20	9,115	1,798	191.72	9,755	6,705
191.21	9,128	1,890	191.73	9,768	6,802
191.22	9,140	1,981	191.74	9,780	6,900
191.23	9,152	2,072	191.75	9,792	6,998
191.24	9,164	2,164	191.76	9,805	7,096
191.25	9,177	2,256	191.77	9,817	7,194
191.26	9,189	2,348	191.78	9,829	7,292
191.27	9,201	2,439	191.79	9,841	7,391
191.28	9,214	2,532	191.80	9,854	7,489
191.29	9,226	2,624	191.81	9,866	7,588
191.30	9,238	2,716	191.82	9,878	7,686
191.31	9,251	2,809	191.83	9,891	7,785
191.32	9,263	2,901	191.84	9,903	7,884
191.33	9,275	2,994	191.85	9,915	7,983
191.34	9,288	3,087	191.86	9,928	8,083
191.35	9,300	3,180	191.87	9,940	8,182
191.36	9,312	3,273	191.88	9,952	8,281
191.37	9,324	3,366	191.89	9,965	8,381
191.38	9,337	3,459	191.90	9,977	8,481
191.39	9,349	3,553	191.91	9,989	8,580
191.40	9,361	3,646	191.92	10,002	8,680
191.41	9,374	3,740	191.93	10,014	8,781
191.42	9,386	3,834	191.94	10,026	8,881
191.43	9,398	3,927	191.95	10,038	8,981
191.44	9,411	4,022	191.96	10,051	9,081
191.45	9,423	4,116	191.97	10,063	9,182
191.46	9,435	4,210	191.98	10,075	9,283
191.47	9,448	4,304	191.99	10,088	9,384
191.48	9,460	4,399	192.00	10,100	9,485
191.49	9,472	4,494	192.01	10,113	9,586
191.50	9,485	4,588	192.02	10,126	9,687
191.51	9,497	4,683	192.03	10,139	9,788

Stage-Area-Storage for Pond B-48: Basin #48 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
192.04	10,151	9,890	192.56	10,821	15,342
192.05	10,164	9,991	192.57	10,834	15,451
192.06	10,177	10,093	192.58	10,846	15,559
192.07	10,190	10,195	192.59	10,859	15,668
192.08	10,203	10,297	192.60	10,872	15,776
192.09	10,216	10,399	192.61	10,885	15,885
192.10	10,229	10,501	192.62	10,898	15,994
192.11	10,242	10,603	192.63	10,911	16,103
192.12	10,254	10,706	192.64	10,924	16,212
192.13	10,267	10,808	192.65	10,937	16,321
192.14	10,280	10,911	192.66	10,949	16,431
192.15	10,293	11,014	192.67	10,962	16,540
192.16	10,306	11,117	192.68	10,975	16,650
192.17	10,319	11,220	192.69	10,988	16,760
192.18	10,332	11,323	192.70	11,001	16,870
192.19	10,345	11,427	192.71	11,014	16,980
192.20	10,357	11,530	192.72	11,027	17,090
192.21	10,370	11,634	192.73	11,040	17,200
192.22	10,383	11,738	192.74	11,052	17,311
192.23	10,396	11,842	192.75	11,065	17,421
192.24	10,409	11,946	192.76	11,078	17,532
192.25	10,422	12,050	192.77	11,091	17,643
192.26	10,435	12,154	192.78	11,104	17,754
192.27	10,447	12,258	192.79	11,117	17,865
192.28	10,460	12,363	192.80	11,130	17,976
192.29	10,473	12,468	192.81	11,142	18,088
192.30	10,486	12,572	192.82	11,155	18,199
192.31	10,499	12,677	192.83	11,168	18,311
192.32	10,512	12,782	192.84	11,181	18,423
192.33	10,525	12,888	192.85	11,194	18,534
192.34	10,538	12,993	192.86	11,207	18,646
192.35	10,550	13,098	192.87	11,220	18,759
192.36	10,563	13,204	192.88	11,233	18,871
192.37	10,576	13,310	192.89	11,245	18,983
192.38	10,589	13,415	192.90	11,258	19,096
192.39	10,602	13,521	192.91	11,271	19,208
192.40	10,615	13,627	192.92	11,284	19,321
192.41	10,628	13,734	192.93	11,297	19,434
192.42	10,641	13,840	192.94	11,310	19,547
192.43	10,653	13,946	192.95	11,323	19,660
192.44	10,666	14,053	192.96	11,336	19,774
192.45	10,679	14,160	192.97	11,348	19,887
192.46	10,692	14,267	192.98	11,361	20,001
192.47	10,705	14,374	192.99	11,374	20,114
192.48	10,718	14,481	193.00	11,387	20,228
192.49	10,731	14,588	193.01	11,400	20,342
192.50	10,744	14,695	193.02	11,414	20,456
192.51	10,756	14,803	193.03	11,427	20,570
192.52	10,769	14,911	193.04	11,441	20,685
192.53	10,782	15,018	193.05	11,454	20,799
192.54	10,795	15,126	193.06	11,468	20,914
192.55	10,808	15,234	193.07	11,481	21,028

Stage-Area-Storage for Pond B-48: Basin #48 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
193.08	11,495	21,143
193.09	11,508	21,258
193.10	11,521	21,373
193.11	11,535	21,489
193.12	11,548	21,604
193.13	11,562	21,720
193.14	11,575	21,835
193.15	11,589	21,951
193.16	11,602	22,067
193.17	11,615	22,183
193.18	11,629	22,299
193.19	11,642	22,416
193.20	11,656	22,532
193.21	11,669	22,649
193.22	11,683	22,766
193.23	11,696	22,883
193.24	11,710	23,000
193.25	11,723	23,117
193.26	11,736	23,234
193.27	11,750	23,351
193.28	11,763	23,469
193.29	11,777	23,587
193.30	11,790	23,705
193.31	11,804	23,823
193.32	11,817	23,941
193.33	11,831	24,059
193.34	11,844	24,177
193.35	11,857	24,296
193.36	11,871	24,414
193.37	11,884	24,533
193.38	11,898	24,652
193.39	11,911	24,771
193.40	11,925	24,890
193.41	11,938	25,010
193.42	11,951	25,129
193.43	11,965	25,249
193.44	11,978	25,368
193.45	11,992	25,488
193.46	12,005	25,608
193.47	12,019	25,728
193.48	12,032	25,849
193.49	12,046	25,969
193.50	12,059	26,090
193.51	12,072	26,210
193.52	12,086	26,331
193.53	12,099	26,452
193.54	12,113	26,573
193.55	12,126	26,694
193.56	12,140	26,815
193.57	12,153	26,937
193.58	12,167	27,059
193.59	12,180	27,180
193.60	12,193	27,302
193.61	12,207	27,424
193.62	12,220	27,546
193.63	12,234	27,669
193.64	12,247	27,791
193.65	12,261	27,913
193.66	12,274	28,036
193.67	12,287	28,159
193.68	12,301	28,282
193.69	12,314	28,405
193.70	12,328	28,528
193.71	12,341	28,652
193.72	12,355	28,775
193.73	12,368	28,899
193.74	12,382	29,022
193.75	12,395	29,146
193.76	12,408	29,270
193.77	12,422	29,394
193.78	12,435	29,519
193.79	12,449	29,643
193.80	12,462	29,768
193.81	12,476	29,892
193.82	12,489	30,017
193.83	12,503	30,142
193.84	12,516	30,267
193.85	12,529	30,392
193.86	12,543	30,518
193.87	12,556	30,643
193.88	12,570	30,769
193.89	12,583	30,895
193.90	12,597	31,021
193.91	12,610	31,147
193.92	12,623	31,273
193.93	12,637	31,399
193.94	12,650	31,526
193.95	12,664	31,652
193.96	12,677	31,779
193.97	12,691	31,906
193.98	12,704	32,033
193.99	12,718	32,160
194.00	**12,731**	**32,287**

Summary for Pond B-49: Basin #49

Inflow Area = 2.090 ac, 43.68% Impervious, Inflow Depth = 6.58" for Current 100 yr event
Inflow = 15.98 cfs @ 12.11 hrs, Volume= 1.146 af
Outflow = 8.29 cfs @ 12.22 hrs, Volume= 1.008 af, Atten= 48%, Lag= 6.6 min
Primary = 8.29 cfs @ 12.22 hrs, Volume= 1.008 af
Routed to Link PDA-5 : Proposed Drainage Area #5

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 185.59' @ 12.22 hrs Surf.Area= 9,390 sf Storage= 20,628 cf

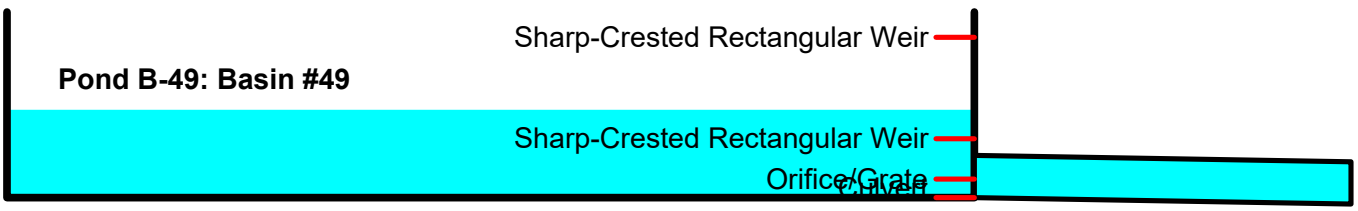
Plug-Flow detention time= 305.8 min calculated for 1.008 af (88% of inflow)
Center-of-Mass det. time= 246.4 min (1,021.4 - 774.9)

Volume	Invert	Avail.Storage	Storage Description
#1	183.00'	52,993 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

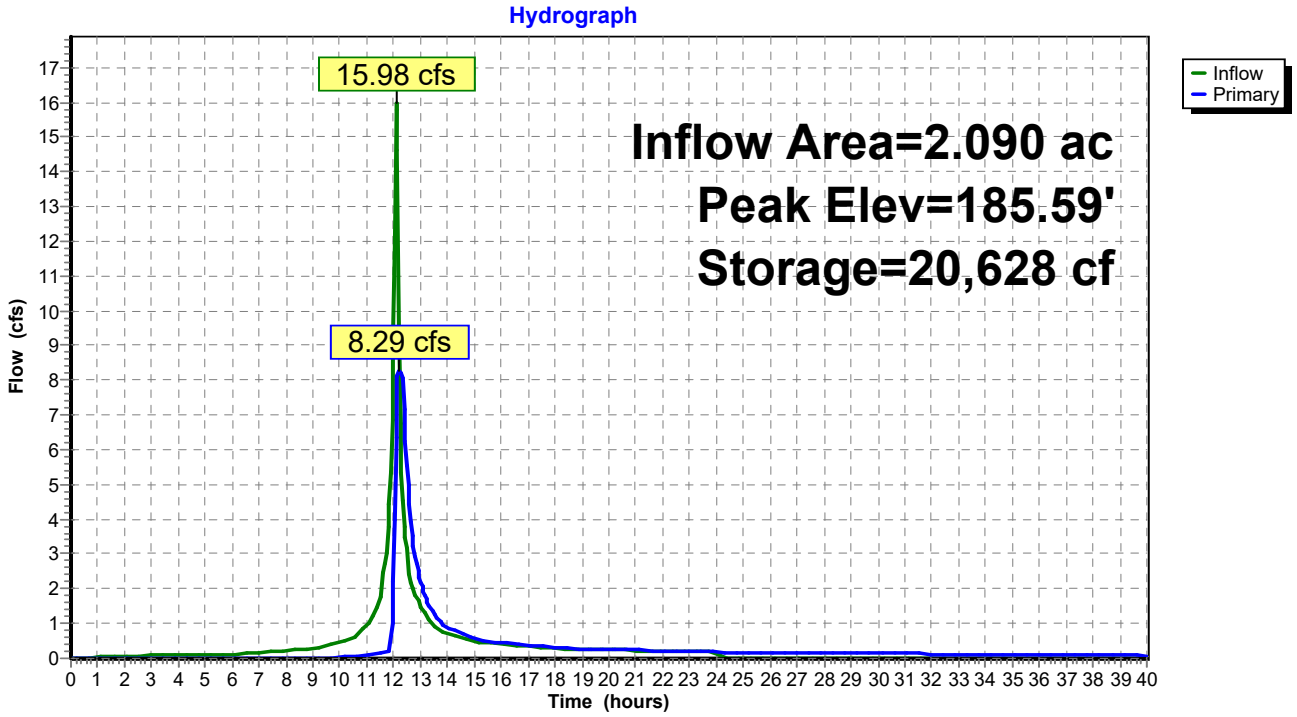
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
183.00	6,565	0	0
184.00	7,625	7,095	7,095
185.00	8,717	8,171	15,266
186.00	9,853	9,285	24,551
187.00	11,027	10,440	34,991
188.00	12,333	11,680	46,671
188.50	12,956	6,322	52,993

Device	Routing	Invert	Outlet Devices
#1	Primary	183.00'	**15.0" Round Culvert** L= 25.0' Ke= 0.500 Inlet / Outlet Invert= 183.00' / 182.81' S= 0.0076 '/' Cc= 0.900 n= 0.013, Flow Area= 1.23 sf
#2	Device 1	183.55'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	184.74'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	187.75'	**30.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)

Primary OutFlow Max=8.27 cfs @ 12.22 hrs HW=185.58' (Free Discharge)
- **1=Culvert** (Inlet Controls 8.27 cfs @ 6.74 fps)
  - **2=Orifice/Grate** (Passes < 0.23 cfs potential flow)
  - **3=Sharp-Crested Rectangular Weir** (Passes < 9.69 cfs potential flow)
- **4=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-49: Basin #49



Hydrograph for Pond B-49: Basin #49

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	183.00	0.00
0.10	0.00	0	183.00	0.00
0.20	0.00	0	183.00	0.00
0.30	0.00	0	183.00	0.00
0.40	0.00	0	183.00	0.00
0.50	0.00	0	183.00	0.00
0.60	0.01	1	183.00	0.00
0.70	0.01	5	183.00	0.00
0.80	0.02	10	183.00	0.00
0.90	0.02	18	183.00	0.00
1.00	0.03	27	183.00	0.00
1.10	0.03	38	183.01	0.00
1.20	0.04	51	183.01	0.00
1.30	0.04	65	183.01	0.00
1.40	0.04	80	183.01	0.00
1.50	0.05	97	183.01	0.00
1.60	0.05	115	183.02	0.00
1.70	0.05	133	183.02	0.00
1.80	0.06	153	183.02	0.00
1.90	0.06	174	183.03	0.00
2.00	0.06	196	183.03	0.00
2.10	0.06	218	183.03	0.00
2.20	0.07	242	183.04	0.00
2.30	0.07	266	183.04	0.00
2.40	0.07	291	183.04	0.00
2.50	0.07	317	183.05	0.00
2.60	0.07	343	183.05	0.00
2.70	0.08	370	183.06	0.00
2.80	0.08	398	183.06	0.00
2.90	0.08	426	183.06	0.00
3.00	0.08	455	183.07	0.00
3.10	0.08	485	183.07	0.00
3.20	0.08	515	183.08	0.00
3.30	0.09	545	183.08	0.00
3.40	0.09	576	183.09	0.00
3.50	0.09	608	183.09	0.00
3.60	0.09	640	183.10	0.00
3.70	0.09	673	183.10	0.00
3.80	0.09	706	183.11	0.00
3.90	0.09	740	183.11	0.00
4.00	0.10	774	183.12	0.00
4.10	0.10	809	183.12	0.00
4.20	0.10	843	183.13	0.00
4.30	0.10	879	183.13	0.00
4.40	0.10	915	183.14	0.00
4.50	0.10	951	183.14	0.00
4.60	0.10	988	183.15	0.00
4.70	0.10	1,025	183.15	0.00
4.80	0.10	1,063	183.16	0.00
4.90	0.11	1,101	183.17	0.00
5.00	0.11	1,139	183.17	0.00
5.10	0.11	1,178	183.18	0.00

Hydrograph for Pond B-49: Basin #49 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.11	1,217	183.18	0.00
5.30	0.11	1,256	183.19	0.00
5.40	0.11	1,296	183.19	0.00
5.50	0.11	1,336	183.20	0.00
5.60	0.11	1,377	183.21	0.00
5.70	0.11	1,418	183.21	0.00
5.80	0.12	1,459	183.22	0.00
5.90	0.12	1,501	183.22	0.00
6.00	0.12	1,543	183.23	0.00
6.10	0.12	1,586	183.24	0.00
6.20	0.12	1,629	183.24	0.00
6.30	0.13	1,674	183.25	0.00
6.40	0.13	1,721	183.26	0.00
6.50	0.14	1,769	183.26	0.00
6.60	0.14	1,818	183.27	0.00
6.70	0.15	1,869	183.28	0.00
6.80	0.15	1,922	183.29	0.00
6.90	0.16	1,977	183.29	0.00
7.00	0.16	2,034	183.30	0.00
7.10	0.17	2,093	183.31	0.00
7.20	0.17	2,153	183.32	0.00
7.30	0.18	2,215	183.33	0.00
7.40	0.18	2,280	183.34	0.00
7.50	0.19	2,346	183.35	0.00
7.60	0.19	2,414	183.36	0.00
7.70	0.20	2,485	183.37	0.00
7.80	0.20	2,557	183.38	0.00
7.90	0.21	2,631	183.39	0.00
8.00	0.22	2,708	183.40	0.00
8.10	0.22	2,787	183.41	0.00
8.20	0.23	2,868	183.42	0.00
8.30	0.23	2,951	183.43	0.00
8.40	0.24	3,036	183.45	0.00
8.50	0.25	3,123	183.46	0.00
8.60	0.25	3,213	183.47	0.00
8.70	0.26	3,305	183.48	0.00
8.80	0.27	3,400	183.50	0.00
8.90	0.27	3,496	183.51	0.00
9.00	0.28	3,595	183.53	0.00
9.10	0.29	3,698	183.54	0.00
9.20	0.31	3,807	183.56	0.00
9.30	0.33	3,922	183.57	0.00
9.40	0.35	4,044	183.59	0.00
9.50	0.37	4,171	183.61	0.01
9.60	0.39	4,304	183.62	0.01
9.70	0.41	4,443	183.64	0.02
9.80	0.43	4,586	183.66	0.02
9.90	0.45	4,735	183.68	0.03
10.00	0.47	4,889	183.70	0.04
10.10	0.49	5,048	183.73	0.04
10.20	0.52	5,213	183.75	0.05
10.30	0.54	5,383	183.77	0.06

Hydrograph for Pond B-49: Basin #49 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.56	5,559	183.80	0.06
10.50	0.58	5,741	183.82	0.07
10.60	0.65	5,936	183.85	0.07
10.70	0.72	6,155	183.88	0.08
10.80	0.80	6,398	183.91	0.08
10.90	0.88	6,668	183.94	0.09
11.00	0.96	6,964	183.98	0.09
11.10	1.09	7,296	184.03	0.10
11.20	1.24	7,676	184.08	0.11
11.30	1.39	8,109	184.13	0.11
11.40	1.55	8,595	184.19	0.12
11.50	1.69	9,134	184.26	0.13
11.60	2.47	9,817	184.35	0.14
11.70	2.86	10,732	184.46	0.15
11.80	3.79	11,852	184.60	0.16
11.90	5.36	13,405	184.78	0.31
12.00	9.15	15,532	185.03	2.21
12.10	**15.80**	18,439	185.36	6.34
12.20	9.36	**20,555**	**185.58**	**8.27**
12.30	5.33	20,129	185.54	8.17
12.40	3.79	18,938	185.41	7.16
12.50	3.32	17,935	185.30	5.55
12.60	2.42	17,200	185.22	4.44
12.70	2.04	16,563	185.15	3.53
12.80	1.86	16,108	185.10	2.93
12.90	1.69	15,773	185.06	2.51
13.00	1.52	15,510	185.03	2.19
13.10	1.35	15,287	185.00	1.93
13.20	1.23	15,096	184.98	1.71
13.30	1.14	14,937	184.96	1.55
13.40	1.04	14,798	184.95	1.41
13.50	0.95	14,675	184.93	1.28
13.60	0.86	14,562	184.92	1.17
13.70	0.81	14,459	184.91	1.08
13.80	0.79	14,374	184.90	1.00
13.90	0.76	14,306	184.89	0.94
14.00	0.74	14,249	184.88	0.89
14.10	0.72	14,200	184.88	0.84
14.20	0.69	14,157	184.87	0.80
14.30	0.67	14,119	184.87	0.77
14.40	0.64	14,081	184.86	0.75
14.50	0.62	14,045	184.86	0.72
14.60	0.59	14,009	184.85	0.69
14.70	0.57	13,974	184.85	0.67
14.80	0.55	13,940	184.85	0.64
14.90	0.52	13,905	184.84	0.62
15.00	0.50	13,871	184.84	0.59
15.10	0.47	13,837	184.83	0.57
15.20	0.46	13,805	184.83	0.54
15.30	0.45	13,778	184.83	0.52
15.40	0.45	13,755	184.82	0.51
15.50	0.44	13,735	184.82	0.49

Hydrograph for Pond B-49: Basin #49 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.43	13,718	184.82	0.48
15.70	0.43	13,703	184.82	0.47
15.80	0.42	13,689	184.82	0.46
15.90	0.41	13,677	184.82	0.45
16.00	0.41	13,665	184.81	0.44
16.10	0.40	13,653	184.81	0.43
16.20	0.40	13,641	184.81	0.43
16.30	0.39	13,629	184.81	0.42
16.40	0.38	13,616	184.81	0.42
16.50	0.37	13,604	184.81	0.41
16.60	0.37	13,591	184.81	0.40
16.70	0.36	13,579	184.80	0.40
16.80	0.35	13,566	184.80	0.39
16.90	0.35	13,553	184.80	0.38
17.00	0.34	13,540	184.80	0.38
17.10	0.34	13,528	184.80	0.37
17.20	0.33	13,515	184.80	0.37
17.30	0.32	13,502	184.79	0.36
17.40	0.32	13,489	184.79	0.35
17.50	0.31	13,476	184.79	0.35
17.60	0.30	13,463	184.79	0.34
17.70	0.30	13,450	184.79	0.33
17.80	0.29	13,437	184.79	0.33
17.90	0.28	13,425	184.79	0.32
18.00	0.28	13,412	184.78	0.31
18.10	0.27	13,399	184.78	0.31
18.20	0.27	13,386	184.78	0.30
18.30	0.27	13,375	184.78	0.29
18.40	0.26	13,365	184.78	0.29
18.50	0.26	13,356	184.78	0.29
18.60	0.26	13,348	184.78	0.28
18.70	0.26	13,341	184.78	0.28
18.80	0.26	13,335	184.78	0.27
18.90	0.26	13,329	184.77	0.27
19.00	0.25	13,323	184.77	0.27
19.10	0.25	13,318	184.77	0.27
19.20	0.25	13,314	184.77	0.26
19.30	0.25	13,309	184.77	0.26
19.40	0.25	13,305	184.77	0.26
19.50	0.25	13,301	184.77	0.26
19.60	0.24	13,297	184.77	0.26
19.70	0.24	13,293	184.77	0.25
19.80	0.24	13,289	184.77	0.25
19.90	0.24	13,286	184.77	0.25
20.00	0.24	13,282	184.77	0.25
20.10	0.24	13,279	184.77	0.25
20.20	0.23	13,275	184.77	0.24
20.30	0.23	13,271	184.77	0.24
20.40	0.23	13,268	184.77	0.24
20.50	0.23	13,265	184.77	0.24
20.60	0.23	13,261	184.77	0.24
20.70	0.23	13,258	184.77	0.24

Hydrograph for Pond B-49: Basin #49 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.22	13,255	184.77	0.23
20.90	0.22	13,251	184.77	0.23
21.00	0.22	13,248	184.77	0.23
21.10	0.22	13,245	184.76	0.23
21.20	0.22	13,241	184.76	0.23
21.30	0.22	13,238	184.76	0.23
21.40	0.22	13,235	184.76	0.22
21.50	0.21	13,232	184.76	0.22
21.60	0.21	13,228	184.76	0.22
21.70	0.21	13,225	184.76	0.22
21.80	0.21	13,222	184.76	0.22
21.90	0.21	13,219	184.76	0.22
22.00	0.21	13,215	184.76	0.21
22.10	0.20	13,212	184.76	0.21
22.20	0.20	13,209	184.76	0.21
22.30	0.20	13,206	184.76	0.21
22.40	0.20	13,202	184.76	0.21
22.50	0.20	13,198	184.76	0.21
22.60	0.20	13,194	184.76	0.21
22.70	0.19	13,190	184.76	0.21
22.80	0.19	13,186	184.76	0.21
22.90	0.19	13,181	184.76	0.20
23.00	0.19	13,176	184.76	0.20
23.10	0.19	13,171	184.76	0.20
23.20	0.19	13,166	184.76	0.20
23.30	0.18	13,160	184.75	0.20
23.40	0.18	13,155	184.75	0.20
23.50	0.18	13,149	184.75	0.20
23.60	0.18	13,143	184.75	0.20
23.70	0.18	13,137	184.75	0.19
23.80	0.18	13,131	184.75	0.19
23.90	0.17	13,125	184.75	0.19
24.00	0.20	13,123	184.75	0.19
24.10	0.06	13,107	184.75	0.19
24.20	0.00	13,051	184.74	0.17
24.30	0.00	12,989	184.73	0.17
24.40	0.00	12,928	184.73	0.17
24.50	0.00	12,867	184.72	0.17
24.60	0.00	12,806	184.71	0.17
24.70	0.00	12,745	184.71	0.17
24.80	0.00	12,685	184.70	0.17
24.90	0.00	12,625	184.69	0.17
25.00	0.00	12,565	184.68	0.17
25.10	0.00	12,505	184.68	0.17
25.20	0.00	12,445	184.67	0.17
25.30	0.00	12,386	184.66	0.16
25.40	0.00	12,326	184.66	0.16
25.50	0.00	12,267	184.65	0.16
25.60	0.00	12,209	184.64	0.16
25.70	0.00	12,150	184.63	0.16
25.80	0.00	12,092	184.63	0.16
25.90	0.00	12,034	184.62	0.16

Hydrograph for Pond B-49: Basin #49 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	11,976	184.61	0.16
26.10	0.00	11,918	184.61	0.16
26.20	0.00	11,860	184.60	0.16
26.30	0.00	11,803	184.59	0.16
26.40	0.00	11,746	184.59	0.16
26.50	0.00	11,689	184.58	0.16
26.60	0.00	11,632	184.57	0.16
26.70	0.00	11,576	184.56	0.16
26.80	0.00	11,519	184.56	0.16
26.90	0.00	11,463	184.55	0.16
27.00	0.00	11,408	184.54	0.15
27.10	0.00	11,352	184.54	0.15
27.20	0.00	11,296	184.53	0.15
27.30	0.00	11,241	184.52	0.15
27.40	0.00	11,186	184.52	0.15
27.50	0.00	11,131	184.51	0.15
27.60	0.00	11,077	184.50	0.15
27.70	0.00	11,023	184.50	0.15
27.80	0.00	10,968	184.49	0.15
27.90	0.00	10,914	184.48	0.15
28.00	0.00	10,861	184.48	0.15
28.10	0.00	10,807	184.47	0.15
28.20	0.00	10,754	184.46	0.15
28.30	0.00	10,701	184.46	0.15
28.40	0.00	10,648	184.45	0.15
28.50	0.00	10,595	184.44	0.15
28.60	0.00	10,543	184.44	0.15
28.70	0.00	10,491	184.43	0.14
28.80	0.00	10,439	184.43	0.14
28.90	0.00	10,387	184.42	0.14
29.00	0.00	10,335	184.41	0.14
29.10	0.00	10,284	184.41	0.14
29.20	0.00	10,233	184.40	0.14
29.30	0.00	10,182	184.39	0.14
29.40	0.00	10,131	184.39	0.14
29.50	0.00	10,081	184.38	0.14
29.60	0.00	10,031	184.37	0.14
29.70	0.00	9,980	184.37	0.14
29.80	0.00	9,931	184.36	0.14
29.90	0.00	9,881	184.36	0.14
30.00	0.00	9,832	184.35	0.14
30.10	0.00	9,782	184.34	0.14
30.20	0.00	9,733	184.34	0.14
30.30	0.00	9,685	184.33	0.14
30.40	0.00	9,636	184.33	0.13
30.50	0.00	9,588	184.32	0.13
30.60	0.00	9,540	184.31	0.13
30.70	0.00	9,492	184.31	0.13
30.80	0.00	9,444	184.30	0.13
30.90	0.00	9,397	184.30	0.13
31.00	0.00	9,350	184.29	0.13
31.10	0.00	9,303	184.28	0.13

Hydrograph for Pond B-49: Basin #49 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	9,256	184.28	0.13
31.30	0.00	9,209	184.27	0.13
31.40	0.00	9,163	184.27	0.13
31.50	0.00	9,117	184.26	0.13
31.60	0.00	9,071	184.25	0.13
31.70	0.00	9,025	184.25	0.13
31.80	0.00	8,980	184.24	0.13
31.90	0.00	8,935	184.24	0.13
32.00	0.00	8,890	184.23	0.12
32.10	0.00	8,845	184.23	0.12
32.20	0.00	8,800	184.22	0.12
32.30	0.00	8,756	184.21	0.12
32.40	0.00	8,712	184.21	0.12
32.50	0.00	8,668	184.20	0.12
32.60	0.00	8,624	184.20	0.12
32.70	0.00	8,581	184.19	0.12
32.80	0.00	8,538	184.19	0.12
32.90	0.00	8,495	184.18	0.12
33.00	0.00	8,452	184.18	0.12
33.10	0.00	8,409	184.17	0.12
33.20	0.00	8,367	184.16	0.12
33.30	0.00	8,325	184.16	0.12
33.40	0.00	8,283	184.15	0.12
33.50	0.00	8,241	184.15	0.12
33.60	0.00	8,200	184.14	0.11
33.70	0.00	8,159	184.14	0.11
33.80	0.00	8,118	184.13	0.11
33.90	0.00	8,077	184.13	0.11
34.00	0.00	8,037	184.12	0.11
34.10	0.00	7,996	184.12	0.11
34.20	0.00	7,956	184.11	0.11
34.30	0.00	7,916	184.11	0.11
34.40	0.00	7,877	184.10	0.11
34.50	0.00	7,837	184.10	0.11
34.60	0.00	7,798	184.09	0.11
34.70	0.00	7,759	184.09	0.11
34.80	0.00	7,720	184.08	0.11
34.90	0.00	7,682	184.08	0.11
35.00	0.00	7,644	184.07	0.11
35.10	0.00	7,606	184.07	0.11
35.20	0.00	7,568	184.06	0.10
35.30	0.00	7,530	184.06	0.10
35.40	0.00	7,493	184.05	0.10
35.50	0.00	7,456	184.05	0.10
35.60	0.00	7,419	184.04	0.10
35.70	0.00	7,382	184.04	0.10
35.80	0.00	7,346	184.03	0.10
35.90	0.00	7,309	184.03	0.10
36.00	0.00	7,273	184.02	0.10
36.10	0.00	7,238	184.02	0.10
36.20	0.00	7,202	184.01	0.10
36.30	0.00	7,167	184.01	0.10

Hydrograph for Pond B-49: Basin #49 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	7,132	184.00	0.10
36.50	0.00	7,097	184.00	0.10
36.60	0.00	7,062	184.00	0.10
36.70	0.00	7,028	183.99	0.10
36.80	0.00	6,994	183.99	0.09
36.90	0.00	6,960	183.98	0.09
37.00	0.00	6,926	183.98	0.09
37.10	0.00	6,892	183.97	0.09
37.20	0.00	6,859	183.97	0.09
37.30	0.00	6,826	183.96	0.09
37.40	0.00	6,793	183.96	0.09
37.50	0.00	6,761	183.96	0.09
37.60	0.00	6,729	183.95	0.09
37.70	0.00	6,696	183.95	0.09
37.80	0.00	6,665	183.94	0.09
37.90	0.00	6,633	183.94	0.09
38.00	0.00	6,601	183.93	0.09
38.10	0.00	6,570	183.93	0.09
38.20	0.00	6,539	183.93	0.09
38.30	0.00	6,509	183.92	0.08
38.40	0.00	6,478	183.92	0.08
38.50	0.00	6,448	183.91	0.08
38.60	0.00	6,418	183.91	0.08
38.70	0.00	6,388	183.91	0.08
38.80	0.00	6,359	183.90	0.08
38.90	0.00	6,329	183.90	0.08
39.00	0.00	6,300	183.89	0.08
39.10	0.00	6,271	183.89	0.08
39.20	0.00	6,243	183.89	0.08
39.30	0.00	6,214	183.88	0.08
39.40	0.00	6,186	183.88	0.08
39.50	0.00	6,158	183.88	0.08
39.60	0.00	6,131	183.87	0.08
39.70	0.00	6,103	183.87	0.08
39.80	0.00	6,076	183.87	0.08
39.90	0.00	6,049	183.86	0.07
40.00	0.00	6,022	183.86	0.07

Stage-Discharge for Pond B-49: Basin #49

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
183.00	0.00	183.52	0.00	184.04	0.10	184.56	0.16
183.01	0.00	183.53	0.00	184.05	0.10	184.57	0.16
183.02	0.00	183.54	0.00	184.06	0.10	184.58	0.16
183.03	0.00	183.55	0.00	184.07	0.11	184.59	0.16
183.04	0.00	183.56	0.00	184.08	0.11	184.60	0.16
183.05	0.00	183.57	0.00	184.09	0.11	184.61	0.16
183.06	0.00	183.58	0.00	184.10	0.11	184.62	0.16
183.07	0.00	183.59	0.00	184.11	0.11	184.63	0.16
183.08	0.00	183.60	0.00	184.12	0.11	184.64	0.16
183.09	0.00	183.61	0.01	184.13	0.11	184.65	0.16
183.10	0.00	183.62	0.01	184.14	0.11	184.66	0.16
183.11	0.00	183.63	0.01	184.15	0.12	184.67	0.17
183.12	0.00	183.64	0.01	184.16	0.12	184.68	0.17
183.13	0.00	183.65	0.02	184.17	0.12	184.69	0.17
183.14	0.00	183.66	0.02	184.18	0.12	184.70	0.17
183.15	0.00	183.67	0.02	184.19	0.12	184.71	0.17
183.16	0.00	183.68	0.03	184.20	0.12	184.72	0.17
183.17	0.00	183.69	0.03	184.21	0.12	184.73	0.17
183.18	0.00	183.70	0.03	184.22	0.12	184.74	0.17
183.19	0.00	183.71	0.04	184.23	0.12	184.75	0.18
183.20	0.00	183.72	0.04	184.24	0.13	184.76	0.21
183.21	0.00	183.73	0.05	184.25	0.13	184.77	0.24
183.22	0.00	183.74	0.05	184.26	0.13	184.78	0.28
183.23	0.00	183.75	0.05	184.27	0.13	184.79	0.32
183.24	0.00	183.76	0.05	184.28	0.13	184.80	0.37
183.25	0.00	183.77	0.06	184.29	0.13	184.81	0.42
183.26	0.00	183.78	0.06	184.30	0.13	184.82	0.47
183.27	0.00	183.79	0.06	184.31	0.13	184.83	0.53
183.28	0.00	183.80	0.06	184.32	0.13	184.84	0.59
183.29	0.00	183.81	0.06	184.33	0.13	184.85	0.65
183.30	0.00	183.82	0.07	184.34	0.14	184.86	0.72
183.31	0.00	183.83	0.07	184.35	0.14	184.87	0.79
183.32	0.00	183.84	0.07	184.36	0.14	184.88	0.86
183.33	0.00	183.85	0.07	184.37	0.14	184.89	0.94
183.34	0.00	183.86	0.07	184.38	0.14	184.90	1.01
183.35	0.00	183.87	0.08	184.39	0.14	184.91	1.09
183.36	0.00	183.88	0.08	184.40	0.14	184.92	1.17
183.37	0.00	183.89	0.08	184.41	0.14	184.93	1.26
183.38	0.00	183.90	0.08	184.42	0.14	184.94	1.34
183.39	0.00	183.91	0.08	184.43	0.14	184.95	1.43
183.40	0.00	183.92	0.08	184.44	0.15	184.96	1.52
183.41	0.00	183.93	0.09	184.45	0.15	184.97	1.61
183.42	0.00	183.94	0.09	184.46	0.15	184.98	1.71
183.43	0.00	183.95	0.09	184.47	0.15	184.99	1.80
183.44	0.00	183.96	0.09	184.48	0.15	185.00	1.90
183.45	0.00	183.97	0.09	184.49	0.15	185.01	2.00
183.46	0.00	183.98	0.09	184.50	0.15	185.02	2.10
183.47	0.00	183.99	0.10	184.51	0.15	185.03	2.21
183.48	0.00	184.00	0.10	184.52	0.15	185.04	2.31
183.49	0.00	184.01	0.10	184.53	0.15	185.05	2.42
183.50	0.00	184.02	0.10	184.54	0.15	185.06	2.52
183.51	0.00	184.03	0.10	184.55	0.16	185.07	2.63

Stage-Discharge for Pond B-49: Basin #49 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
185.08	2.75	185.60	8.30	186.12	9.33	186.64	10.26
185.09	2.86	185.61	8.33	186.13	9.35	186.65	10.28
185.10	2.97	185.62	8.35	186.14	9.37	186.66	10.29
185.11	3.09	185.63	8.37	186.15	9.39	186.67	10.31
185.12	3.20	185.64	8.39	186.16	9.41	186.68	10.33
185.13	3.32	185.65	8.41	186.17	9.43	186.69	10.34
185.14	3.44	185.66	8.43	186.18	9.44	186.70	10.36
185.15	3.56	185.67	8.45	186.19	9.46	186.71	10.38
185.16	3.69	185.68	8.47	186.20	9.48	186.72	10.40
185.17	3.81	185.69	8.49	186.21	9.50	186.73	10.41
185.18	3.94	185.70	8.51	186.22	9.52	186.74	10.43
185.19	4.06	185.71	8.53	186.23	9.54	186.75	10.45
185.20	4.19	185.72	8.55	186.24	9.56	186.76	10.46
185.21	4.32	185.73	8.57	186.25	9.57	186.77	10.48
185.22	4.45	185.74	8.59	186.26	9.59	186.78	10.50
185.23	4.58	185.75	8.61	186.27	9.61	186.79	10.51
185.24	4.72	185.76	8.63	186.28	9.63	186.80	10.53
185.25	4.85	185.77	8.65	186.29	9.65	186.81	10.55
185.26	4.99	185.78	8.67	186.30	9.66	186.82	10.56
185.27	5.12	185.79	8.69	186.31	9.68	186.83	10.58
185.28	5.26	185.80	8.71	186.32	9.70	186.84	10.59
185.29	5.40	185.81	8.73	186.33	9.72	186.85	10.61
185.30	5.54	185.82	8.75	186.34	9.74	186.86	10.63
185.31	5.68	185.83	8.77	186.35	9.75	186.87	10.64
185.32	5.82	185.84	8.79	186.36	9.77	186.88	10.66
185.33	5.97	185.85	8.81	186.37	9.79	186.89	10.68
185.34	6.11	185.86	8.83	186.38	9.81	186.90	10.69
185.35	6.26	185.87	8.85	186.39	9.83	186.91	10.71
185.36	6.40	185.88	8.87	186.40	9.84	186.92	10.73
185.37	6.55	185.89	8.89	186.41	9.86	186.93	10.74
185.38	6.70	185.90	8.91	186.42	9.88	186.94	10.76
185.39	6.85	185.91	8.93	186.43	9.90	186.95	10.77
185.40	7.00	185.92	8.95	186.44	9.91	186.96	10.79
185.41	7.15	185.93	8.97	186.45	9.93	186.97	10.81
185.42	7.30	185.94	8.99	186.46	9.95	186.98	10.82
185.43	7.46	185.95	9.01	186.47	9.97	186.99	10.84
185.44	7.61	185.96	9.03	186.48	9.98	187.00	10.86
185.45	7.77	185.97	9.05	186.49	10.00	187.01	10.87
185.46	7.92	185.98	9.07	186.50	10.02	187.02	10.89
185.47	8.03	185.99	9.09	186.51	10.04	187.03	10.90
185.48	8.05	186.00	9.11	186.52	10.05	187.04	10.92
185.49	8.07	186.01	9.13	186.53	10.07	187.05	10.94
185.50	8.09	186.02	9.14	186.54	10.09	187.06	10.95
185.51	8.11	186.03	9.16	186.55	10.11	187.07	10.97
185.52	8.13	186.04	9.18	186.56	10.12	187.08	10.98
185.53	8.16	186.05	9.20	186.57	10.14	187.09	11.00
185.54	8.18	186.06	9.22	186.58	10.16	187.10	11.01
185.55	8.20	186.07	9.24	186.59	10.17	187.11	11.03
185.56	8.22	186.08	9.26	186.60	10.19	187.12	11.05
185.57	8.24	186.09	9.28	186.61	10.21	187.13	11.06
185.58	8.26	186.10	9.30	186.62	10.23	187.14	11.08
185.59	8.28	186.11	9.31	186.63	10.24	187.15	11.09

Stage-Discharge for Pond B-49: Basin #49 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
187.16	11.11	187.68	11.90	188.20	42.16
187.17	11.13	187.69	11.91	188.21	43.16
187.18	11.14	187.70	11.93	188.22	44.18
187.19	11.16	187.71	11.94	188.23	45.20
187.20	11.17	187.72	11.96	188.24	46.23
187.21	11.19	187.73	11.97	188.25	47.28
187.22	11.20	187.74	11.99	188.26	48.33
187.23	11.22	187.75	12.00	188.27	49.39
187.24	11.23	187.76	12.11	188.28	50.47
187.25	11.25	187.77	12.31	188.29	51.55
187.26	11.27	187.78	12.55	188.30	52.64
187.27	11.28	187.79	12.84	188.31	53.75
187.28	11.30	187.80	13.17	188.32	54.86
187.29	11.31	187.81	13.53	188.33	55.98
187.30	11.33	187.82	13.92	188.34	57.11
187.31	11.34	187.83	14.34	188.35	58.25
187.32	11.36	187.84	14.78	188.36	59.40
187.33	11.37	187.85	15.25	188.37	60.56
187.34	11.39	187.86	15.74	188.38	61.73
187.35	11.40	187.87	16.25	188.39	62.91
187.36	11.42	187.88	16.78	188.40	64.10
187.37	11.43	187.89	17.34	188.41	65.29
187.38	11.45	187.90	17.91	188.42	66.50
187.39	11.47	187.91	18.50	188.43	67.71
187.40	11.48	187.92	19.11	188.44	68.93
187.41	11.50	187.93	19.74	188.45	70.16
187.42	11.51	187.94	20.39	188.46	71.40
187.43	11.53	187.95	21.05	188.47	72.65
187.44	11.54	187.96	21.73	188.48	73.91
187.45	11.56	187.97	22.42	188.49	75.17
187.46	11.57	187.98	23.14	188.50	**76.45**
187.47	11.59	187.99	23.86		
187.48	11.60	188.00	24.60		
187.49	11.62	188.01	25.36		
187.50	11.63	188.02	26.13		
187.51	11.65	188.03	26.91		
187.52	11.66	188.04	27.71		
187.53	11.68	188.05	28.52		
187.54	11.69	188.06	29.34		
187.55	11.71	188.07	30.18		
187.56	11.72	188.08	31.03		
187.57	11.74	188.09	31.89		
187.58	11.75	188.10	32.77		
187.59	11.77	188.11	33.65		
187.60	11.78	188.12	34.55		
187.61	11.80	188.13	35.46		
187.62	11.81	188.14	36.39		
187.63	11.83	188.15	37.32		
187.64	11.84	188.16	38.27		
187.65	11.85	188.17	39.22		
187.66	11.87	188.18	40.19		
187.67	11.88	188.19	41.17		

Stage-Area-Storage for Pond B-49: Basin #49

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
183.00	6,565	0	183.52	7,116	3,557
183.01	6,576	66	183.53	7,127	3,628
183.02	6,586	132	183.54	7,137	3,700
183.03	6,597	197	183.55	7,148	3,771
183.04	6,607	263	183.56	7,159	3,843
183.05	6,618	330	183.57	7,169	3,914
183.06	6,629	396	183.58	7,180	3,986
183.07	6,639	462	183.59	7,190	4,058
183.08	6,650	529	183.60	7,201	4,130
183.09	6,660	595	183.61	7,212	4,202
183.10	6,671	662	183.62	7,222	4,274
183.11	6,682	729	183.63	7,233	4,346
183.12	6,692	795	183.64	7,243	4,419
183.13	6,703	862	183.65	7,254	4,491
183.14	6,713	929	183.66	7,265	4,564
183.15	6,724	997	183.67	7,275	4,636
183.16	6,735	1,064	183.68	7,286	4,709
183.17	6,745	1,131	183.69	7,296	4,782
183.18	6,756	1,199	183.70	7,307	4,855
183.19	6,766	1,266	183.71	7,318	4,928
183.20	6,777	1,334	183.72	7,328	5,002
183.21	6,788	1,402	183.73	7,339	5,075
183.22	6,798	1,470	183.74	7,349	5,148
183.23	6,809	1,538	183.75	7,360	5,222
183.24	6,819	1,606	183.76	7,371	5,296
183.25	6,830	1,674	183.77	7,381	5,369
183.26	6,841	1,743	183.78	7,392	5,443
183.27	6,851	1,811	183.79	7,402	5,517
183.28	6,862	1,880	183.80	7,413	5,591
183.29	6,872	1,948	183.81	7,424	5,665
183.30	6,883	2,017	183.82	7,434	5,740
183.31	6,894	2,086	183.83	7,445	5,814
183.32	6,904	2,155	183.84	7,455	5,889
183.33	6,915	2,224	183.85	7,466	5,963
183.34	6,925	2,293	183.86	7,477	6,038
183.35	6,936	2,363	183.87	7,487	6,113
183.36	6,947	2,432	183.88	7,498	6,188
183.37	6,957	2,502	183.89	7,508	6,263
183.38	6,968	2,571	183.90	7,519	6,338
183.39	6,978	2,641	183.91	7,530	6,413
183.40	6,989	2,711	183.92	7,540	6,488
183.41	7,000	2,781	183.93	7,551	6,564
183.42	7,010	2,851	183.94	7,561	6,639
183.43	7,021	2,921	183.95	7,572	6,715
183.44	7,031	2,991	183.96	7,583	6,791
183.45	7,042	3,062	183.97	7,593	6,867
183.46	7,053	3,132	183.98	7,604	6,943
183.47	7,063	3,203	183.99	7,614	7,019
183.48	7,074	3,273	184.00	7,625	7,095
183.49	7,084	3,344	184.01	7,636	7,171
183.50	7,095	3,415	184.02	7,647	7,248
183.51	7,106	3,486	184.03	7,658	7,324

Stage-Area-Storage for Pond B-49: Basin #49 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
184.04	7,669	7,401	184.56	8,237	11,536
184.05	7,680	7,478	184.57	8,247	11,619
184.06	7,691	7,554	184.58	8,258	11,701
184.07	7,701	7,631	184.59	8,269	11,784
184.08	7,712	7,708	184.60	8,280	11,867
184.09	7,723	7,786	184.61	8,291	11,949
184.10	7,734	7,863	184.62	8,302	12,032
184.11	7,745	7,940	184.63	8,313	12,115
184.12	7,756	8,018	184.64	8,324	12,199
184.13	7,767	8,095	184.65	8,335	12,282
184.14	7,778	8,173	184.66	8,346	12,365
184.15	7,789	8,251	184.67	8,357	12,449
184.16	7,800	8,329	184.68	8,368	12,532
184.17	7,811	8,407	184.69	8,378	12,616
184.18	7,822	8,485	184.70	8,389	12,700
184.19	7,832	8,563	184.71	8,400	12,784
184.20	7,843	8,642	184.72	8,411	12,868
184.21	7,854	8,720	184.73	8,422	12,952
184.22	7,865	8,799	184.74	8,433	13,036
184.23	7,876	8,878	184.75	8,444	13,121
184.24	7,887	8,956	184.76	8,455	13,205
184.25	7,898	9,035	184.77	8,466	13,290
184.26	7,909	9,114	184.78	8,477	13,375
184.27	7,920	9,194	184.79	8,488	13,460
184.28	7,931	9,273	184.80	8,499	13,544
184.29	7,942	9,352	184.81	8,510	13,629
184.30	7,953	9,432	184.82	8,520	13,715
184.31	7,964	9,511	184.83	8,531	13,800
184.32	7,974	9,591	184.84	8,542	13,885
184.33	7,985	9,671	184.85	8,553	13,971
184.34	7,996	9,751	184.86	8,564	14,056
184.35	8,007	9,831	184.87	8,575	14,142
184.36	8,018	9,911	184.88	8,586	14,228
184.37	8,029	9,991	184.89	8,597	14,314
184.38	8,040	10,071	184.90	8,608	14,400
184.39	8,051	10,152	184.91	8,619	14,486
184.40	8,062	10,232	184.92	8,630	14,572
184.41	8,073	10,313	184.93	8,641	14,658
184.42	8,084	10,394	184.94	8,651	14,745
184.43	8,095	10,475	184.95	8,662	14,832
184.44	8,105	10,556	184.96	8,673	14,918
184.45	8,116	10,637	184.97	8,684	15,005
184.46	8,127	10,718	184.98	8,695	15,092
184.47	8,138	10,799	184.99	8,706	15,179
184.48	8,149	10,881	185.00	8,717	15,266
184.49	8,160	10,962	185.01	8,728	15,353
184.50	8,171	11,044	185.02	8,740	15,441
184.51	8,182	11,126	185.03	8,751	15,528
184.52	8,193	11,208	185.04	8,762	15,616
184.53	8,204	11,290	185.05	8,774	15,703
184.54	8,215	11,372	185.06	8,785	15,791
184.55	8,226	11,454	185.07	8,797	15,879

Stage-Area-Storage for Pond B-49: Basin #49 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
185.08	8,808	15,967	185.60	9,399	20,701
185.09	8,819	16,055	185.61	9,410	20,795
185.10	8,831	16,143	185.62	9,421	20,889
185.11	8,842	16,232	185.63	9,433	20,983
185.12	8,853	16,320	185.64	9,444	21,078
185.13	8,865	16,409	185.65	9,455	21,172
185.14	8,876	16,498	185.66	9,467	21,267
185.15	8,887	16,586	185.67	9,478	21,361
185.16	8,899	16,675	185.68	9,489	21,456
185.17	8,910	16,764	185.69	9,501	21,551
185.18	8,921	16,853	185.70	9,512	21,646
185.19	8,933	16,943	185.71	9,524	21,741
185.20	8,944	17,032	185.72	9,535	21,837
185.21	8,956	17,122	185.73	9,546	21,932
185.22	8,967	17,211	185.74	9,558	22,028
185.23	8,978	17,301	185.75	9,569	22,123
185.24	8,990	17,391	185.76	9,580	22,219
185.25	9,001	17,481	185.77	9,592	22,315
185.26	9,012	17,571	185.78	9,603	22,411
185.27	9,024	17,661	185.79	9,614	22,507
185.28	9,035	17,751	185.80	9,626	22,603
185.29	9,046	17,842	185.81	9,637	22,699
185.30	9,058	17,932	185.82	9,649	22,796
185.31	9,069	18,023	185.83	9,660	22,892
185.32	9,081	18,114	185.84	9,671	22,989
185.33	9,092	18,204	185.85	9,683	23,086
185.34	9,103	18,295	185.86	9,694	23,183
185.35	9,115	18,387	185.87	9,705	23,280
185.36	9,126	18,478	185.88	9,717	23,377
185.37	9,137	18,569	185.89	9,728	23,474
185.38	9,149	18,660	185.90	9,739	23,571
185.39	9,160	18,752	185.91	9,751	23,669
185.40	9,171	18,844	185.92	9,762	23,766
185.41	9,183	18,935	185.93	9,773	23,864
185.42	9,194	19,027	185.94	9,785	23,962
185.43	9,205	19,119	185.95	9,796	24,060
185.44	9,217	19,211	185.96	9,808	24,158
185.45	9,228	19,304	185.97	9,819	24,256
185.46	9,240	19,396	185.98	9,830	24,354
185.47	9,251	19,488	185.99	9,842	24,453
185.48	9,262	19,581	186.00	9,853	24,551
185.49	9,274	19,674	186.01	9,865	24,650
185.50	9,285	19,767	186.02	9,876	24,748
185.51	9,296	19,859	186.03	9,888	24,847
185.52	9,308	19,952	186.04	9,900	24,946
185.53	9,319	20,046	186.05	9,912	25,045
185.54	9,330	20,139	186.06	9,923	25,144
185.55	9,342	20,232	186.07	9,935	25,244
185.56	9,353	20,326	186.08	9,947	25,343
185.57	9,365	20,419	186.09	9,959	25,443
185.58	9,376	20,513	186.10	9,970	25,542
185.59	9,387	20,607	186.11	9,982	25,642

Stage-Area-Storage for Pond B-49: Basin #49 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
186.12	9,994	25,742	186.64	10,604	31,097
186.13	10,006	25,842	186.65	10,616	31,203
186.14	10,017	25,942	186.66	10,628	31,310
186.15	10,029	26,042	186.67	10,640	31,416
186.16	10,041	26,143	186.68	10,651	31,522
186.17	10,053	26,243	186.69	10,663	31,629
186.18	10,064	26,344	186.70	10,675	31,736
186.19	10,076	26,444	186.71	10,687	31,843
186.20	10,088	26,545	186.72	10,698	31,949
186.21	10,100	26,646	186.73	10,710	32,057
186.22	10,111	26,747	186.74	10,722	32,164
186.23	10,123	26,848	186.75	10,734	32,271
186.24	10,135	26,950	186.76	10,745	32,378
186.25	10,147	27,051	186.77	10,757	32,486
186.26	10,158	27,152	186.78	10,769	32,593
186.27	10,170	27,254	186.79	10,780	32,701
186.28	10,182	27,356	186.80	10,792	32,809
186.29	10,193	27,458	186.81	10,804	32,917
186.30	10,205	27,560	186.82	10,816	33,025
186.31	10,217	27,662	186.83	10,827	33,133
186.32	10,229	27,764	186.84	10,839	33,242
186.33	10,240	27,866	186.85	10,851	33,350
186.34	10,252	27,969	186.86	10,863	33,459
186.35	10,264	28,071	186.87	10,874	33,567
186.36	10,276	28,174	186.88	10,886	33,676
186.37	10,287	28,277	186.89	10,898	33,785
186.38	10,299	28,380	186.90	10,910	33,894
186.39	10,311	28,483	186.91	10,921	34,003
186.40	10,323	28,586	186.92	10,933	34,113
186.41	10,334	28,689	186.93	10,945	34,222
186.42	10,346	28,793	186.94	10,957	34,331
186.43	10,358	28,896	186.95	10,968	34,441
186.44	10,370	29,000	186.96	10,980	34,551
186.45	10,381	29,104	186.97	10,992	34,661
186.46	10,393	29,208	186.98	11,004	34,771
186.47	10,405	29,312	186.99	11,015	34,881
186.48	10,417	29,416	187.00	11,027	34,991
186.49	10,428	29,520	187.01	11,040	35,101
186.50	10,440	29,624	187.02	11,053	35,212
186.51	10,452	29,729	187.03	11,066	35,322
186.52	10,463	29,833	187.04	11,079	35,433
186.53	10,475	29,938	187.05	11,092	35,544
186.54	10,487	30,043	187.06	11,105	35,655
186.55	10,499	30,148	187.07	11,118	35,766
186.56	10,510	30,253	187.08	11,131	35,877
186.57	10,522	30,358	187.09	11,145	35,989
186.58	10,534	30,463	187.10	11,158	36,100
186.59	10,546	30,569	187.11	11,171	36,212
186.60	10,557	30,674	187.12	11,184	36,324
186.61	10,569	30,780	187.13	11,197	36,436
186.62	10,581	30,886	187.14	11,210	36,548
186.63	10,593	30,991	187.15	11,223	36,660

Stage-Area-Storage for Pond B-49: Basin #49 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
187.16	11,236	36,772	187.68	11,915	42,791
187.17	11,249	36,884	187.69	11,928	42,911
187.18	11,262	36,997	187.70	11,941	43,030
187.19	11,275	37,110	187.71	11,954	43,149
187.20	11,288	37,223	187.72	11,967	43,269
187.21	11,301	37,335	187.73	11,980	43,389
187.22	11,314	37,449	187.74	11,993	43,509
187.23	11,327	37,562	187.75	12,007	43,629
187.24	11,340	37,675	187.76	12,020	43,749
187.25	11,354	37,789	187.77	12,033	43,869
187.26	11,367	37,902	187.78	12,046	43,989
187.27	11,380	38,016	187.79	12,059	44,110
187.28	11,393	38,130	187.80	12,072	44,231
187.29	11,406	38,244	187.81	12,085	44,351
187.30	11,419	38,358	187.82	12,098	44,472
187.31	11,432	38,472	187.83	12,111	44,593
187.32	11,445	38,587	187.84	12,124	44,714
187.33	11,458	38,701	187.85	12,137	44,836
187.34	11,471	38,816	187.86	12,150	44,957
187.35	11,484	38,930	187.87	12,163	45,079
187.36	11,497	39,045	187.88	12,176	45,200
187.37	11,510	39,160	187.89	12,189	45,322
187.38	11,523	39,276	187.90	12,202	45,444
187.39	11,536	39,391	187.91	12,215	45,566
187.40	11,549	39,506	187.92	12,229	45,689
187.41	11,562	39,622	187.93	12,242	45,811
187.42	11,576	39,738	187.94	12,255	45,933
187.43	11,589	39,853	187.95	12,268	46,056
187.44	11,602	39,969	187.96	12,281	46,179
187.45	11,615	40,085	187.97	12,294	46,302
187.46	11,628	40,202	187.98	12,307	46,425
187.47	11,641	40,318	187.99	12,320	46,548
187.48	11,654	40,434	188.00	12,333	46,671
187.49	11,667	40,551	188.01	12,345	46,794
187.50	11,680	40,668	188.02	12,358	46,918
187.51	11,693	40,785	188.03	12,370	47,042
187.52	11,706	40,902	188.04	12,383	47,165
187.53	11,719	41,019	188.05	12,395	47,289
187.54	11,732	41,136	188.06	12,408	47,413
187.55	11,745	41,253	188.07	12,420	47,537
187.56	11,758	41,371	188.08	12,433	47,662
187.57	11,771	41,489	188.09	12,445	47,786
187.58	11,784	41,606	188.10	12,458	47,911
187.59	11,798	41,724	188.11	12,470	48,035
187.60	11,811	41,842	188.12	12,483	48,160
187.61	11,824	41,960	188.13	12,495	48,285
187.62	11,837	42,079	188.14	12,507	48,410
187.63	11,850	42,197	188.15	12,520	48,535
187.64	11,863	42,316	188.16	12,532	48,660
187.65	11,876	42,434	188.17	12,545	48,786
187.66	11,889	42,553	188.18	12,557	48,911
187.67	11,902	42,672	188.19	12,570	49,037

Stage-Area-Storage for Pond B-49: Basin #49 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
188.20	12,582	49,163
188.21	12,595	49,288
188.22	12,607	49,414
188.23	12,620	49,541
188.24	12,632	49,667
188.25	12,645	49,793
188.26	12,657	49,920
188.27	12,669	50,046
188.28	12,682	50,173
188.29	12,694	50,300
188.30	12,707	50,427
188.31	12,719	50,554
188.32	12,732	50,681
188.33	12,744	50,809
188.34	12,757	50,936
188.35	12,769	51,064
188.36	12,782	51,192
188.37	12,794	51,319
188.38	12,806	51,448
188.39	12,819	51,576
188.40	12,831	51,704
188.41	12,844	51,832
188.42	12,856	51,961
188.43	12,869	52,089
188.44	12,881	52,218
188.45	12,894	52,347
188.46	12,906	52,476
188.47	12,919	52,605
188.48	12,931	52,734
188.49	12,944	52,864
188.50	**12,956**	**52,993**

Summary for Pond B-50: Basin #50

Inflow Area = 2.262 ac, 29.27% Impervious, Inflow Depth = 6.16" for Current 100 yr event
Inflow = 16.40 cfs @ 12.11 hrs, Volume= 1.162 af
Outflow = 0.29 cfs @ 18.11 hrs, Volume= 0.629 af, Atten= 98%, Lag= 360.4 min
Primary = 0.29 cfs @ 18.11 hrs, Volume= 0.629 af
Routed to Link PDA-5 : Proposed Drainage Area #5

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 187.49' @ 18.11 hrs Surf.Area= 13,524 sf Storage= 38,853 cf

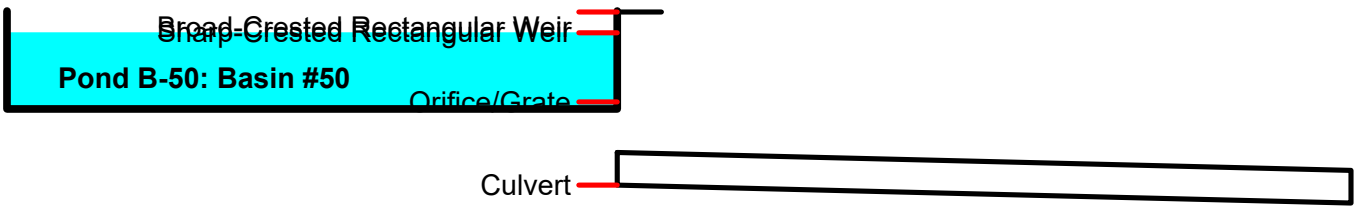
Plug-Flow detention time= 842.8 min calculated for 0.628 af (54% of inflow)
Center-of-Mass det. time= 725.3 min (1,511.7 - 786.4)

Volume	Invert	Avail.Storage	Storage Description
#1	184.00'	53,209 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

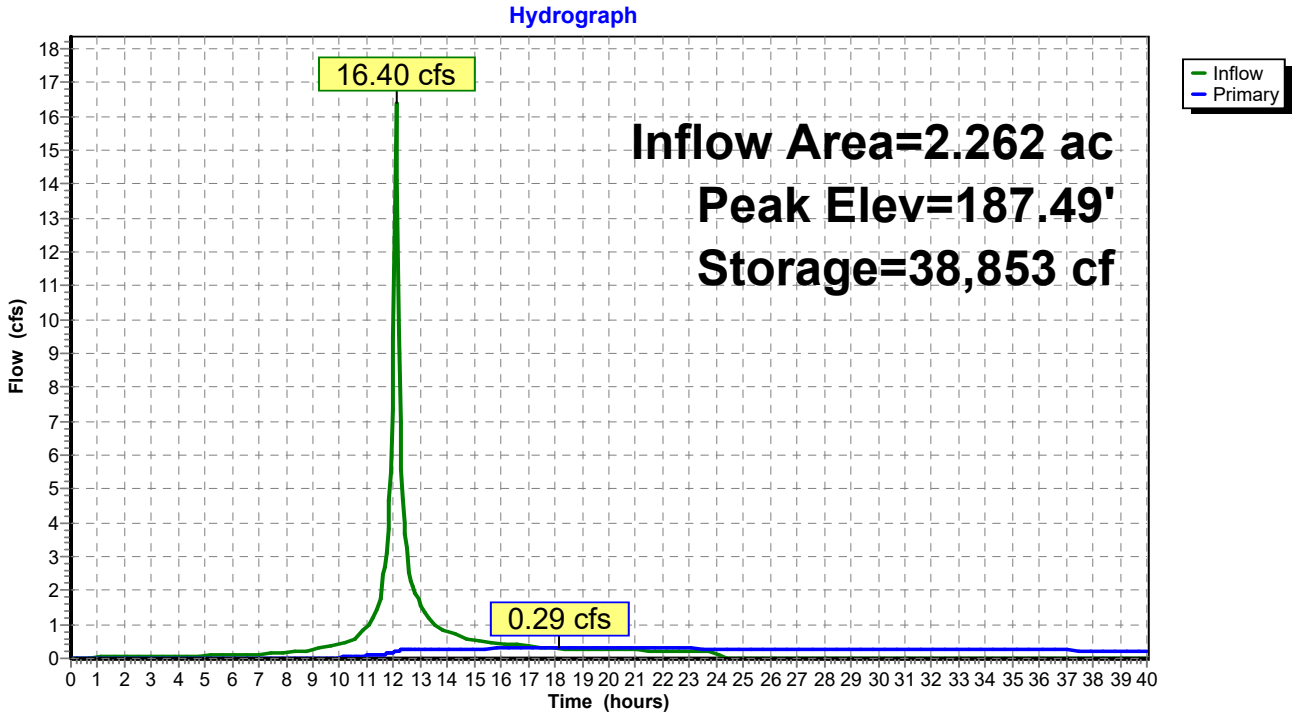
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
184.00	8,805	0	0
185.00	10,108	9,457	9,457
186.00	11,448	10,778	20,235
187.00	12,826	12,137	32,372
188.00	14,244	13,535	45,907
188.50	14,966	7,303	53,209

Device	Routing	Invert	Outlet Devices
#1	Primary	180.50'	**18.0" Round Culvert** L= 83.0' Ke= 0.500 Inlet / Outlet Invert= 180.50' / 179.67' S= 0.0100 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	184.32'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	187.50'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	188.45'	**30.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.29 cfs @ 18.11 hrs HW=187.49' (Free Discharge)
- **1=Culvert** (Passes 0.29 cfs of 20.53 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.29 cfs @ 8.43 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-50: Basin #50



Hydrograph for Pond B-50: Basin #50

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	184.00	0.00
0.10	0.00	0	184.00	0.00
0.20	0.00	0	184.00	0.00
0.30	0.00	0	184.00	0.00
0.40	0.00	0	184.00	0.00
0.50	0.00	0	184.00	0.00
0.60	0.01	1	184.00	0.00
0.70	0.01	4	184.00	0.00
0.80	0.01	9	184.00	0.00
0.90	0.02	15	184.00	0.00
1.00	0.02	22	184.00	0.00
1.10	0.02	30	184.00	0.00
1.20	0.03	39	184.00	0.00
1.30	0.03	50	184.01	0.00
1.40	0.03	61	184.01	0.00
1.50	0.04	73	184.01	0.00
1.60	0.04	86	184.01	0.00
1.70	0.04	100	184.01	0.00
1.80	0.04	115	184.01	0.00
1.90	0.04	130	184.01	0.00
2.00	0.04	146	184.02	0.00
2.10	0.05	162	184.02	0.00
2.20	0.05	180	184.02	0.00
2.30	0.05	197	184.02	0.00
2.40	0.05	216	184.02	0.00
2.50	0.05	234	184.03	0.00
2.60	0.05	254	184.03	0.00
2.70	0.06	273	184.03	0.00
2.80	0.06	294	184.03	0.00
2.90	0.06	314	184.04	0.00
3.00	0.06	335	184.04	0.00
3.10	0.06	357	184.04	0.00
3.20	0.06	379	184.04	0.00
3.30	0.06	401	184.05	0.00
3.40	0.06	424	184.05	0.00
3.50	0.06	447	184.05	0.00
3.60	0.07	470	184.05	0.00
3.70	0.07	494	184.06	0.00
3.80	0.07	518	184.06	0.00
3.90	0.07	543	184.06	0.00
4.00	0.07	567	184.06	0.00
4.10	0.07	592	184.07	0.00
4.20	0.07	618	184.07	0.00
4.30	0.07	644	184.07	0.00
4.40	0.07	670	184.08	0.00
4.50	0.07	696	184.08	0.00
4.60	0.07	723	184.08	0.00
4.70	0.08	750	184.08	0.00
4.80	0.08	777	184.09	0.00
4.90	0.08	805	184.09	0.00
5.00	0.08	833	184.09	0.00
5.10	0.08	861	184.10	0.00

Hydrograph for Pond B-50: Basin #50 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.08	889	184.10	0.00
5.30	0.08	918	184.10	0.00
5.40	0.08	947	184.11	0.00
5.50	0.08	976	184.11	0.00
5.60	0.08	1,006	184.11	0.00
5.70	0.08	1,035	184.12	0.00
5.80	0.08	1,065	184.12	0.00
5.90	0.08	1,096	184.12	0.00
6.00	0.09	1,126	184.13	0.00
6.10	0.09	1,157	184.13	0.00
6.20	0.09	1,189	184.13	0.00
6.30	0.09	1,222	184.14	0.00
6.40	0.10	1,256	184.14	0.00
6.50	0.10	1,291	184.15	0.00
6.60	0.10	1,328	184.15	0.00
6.70	0.11	1,367	184.15	0.00
6.80	0.11	1,407	184.16	0.00
6.90	0.12	1,449	184.16	0.00
7.00	0.12	1,493	184.17	0.00
7.10	0.13	1,538	184.17	0.00
7.20	0.13	1,586	184.18	0.00
7.30	0.14	1,635	184.18	0.00
7.40	0.14	1,686	184.19	0.00
7.50	0.15	1,739	184.19	0.00
7.60	0.16	1,794	184.20	0.00
7.70	0.16	1,851	184.21	0.00
7.80	0.17	1,910	184.21	0.00
7.90	0.17	1,971	184.22	0.00
8.00	0.18	2,035	184.23	0.00
8.10	0.18	2,101	184.23	0.00
8.20	0.19	2,168	184.24	0.00
8.30	0.20	2,238	184.25	0.00
8.40	0.20	2,311	184.26	0.00
8.50	0.21	2,385	184.27	0.00
8.60	0.22	2,462	184.27	0.00
8.70	0.22	2,542	184.28	0.00
8.80	0.23	2,624	184.29	0.00
8.90	0.24	2,708	184.30	0.00
9.00	0.24	2,795	184.31	0.00
9.10	0.26	2,885	184.32	0.00
9.20	0.28	2,982	184.33	0.00
9.30	0.30	3,085	184.34	0.00
9.40	0.31	3,193	184.35	0.00
9.50	0.33	3,308	184.37	0.00
9.60	0.35	3,429	184.38	0.01
9.70	0.37	3,556	184.39	0.01
9.80	0.39	3,689	184.41	0.01
9.90	0.41	3,828	184.42	0.02
10.00	0.43	3,973	184.44	0.02
10.10	0.46	4,124	184.45	0.03
10.20	0.48	4,281	184.47	0.03
10.30	0.50	4,444	184.49	0.04

Hydrograph for Pond B-50: Basin #50 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.52	4,613	184.51	0.05
10.50	0.55	4,789	184.52	0.05
10.60	0.61	4,979	184.54	0.06
10.70	0.68	5,191	184.57	0.06
10.80	0.76	5,429	184.59	0.07
10.90	0.84	5,693	184.62	0.07
11.00	0.92	5,984	184.65	0.08
11.10	1.06	6,311	184.68	0.08
11.20	1.21	6,688	184.72	0.09
11.30	1.36	7,119	184.77	0.10
11.40	1.53	7,604	184.81	0.10
11.50	1.68	8,143	184.87	0.11
11.60	2.47	8,847	184.94	0.12
11.70	2.86	9,771	185.03	0.13
11.80	3.84	10,924	185.14	0.14
11.90	5.49	12,549	185.30	0.15
12.00	9.47	15,161	185.54	0.17
12.10	**16.37**	19,740	185.96	0.20
12.20	9.64	24,549	186.37	0.23
12.30	5.61	27,096	186.58	0.24
12.40	3.99	28,715	186.71	0.25
12.50	3.50	29,957	186.81	0.25
12.60	2.55	30,961	186.89	0.26
12.70	2.16	31,702	186.95	0.26
12.80	1.96	32,348	187.00	0.26
12.90	1.78	32,927	187.04	0.27
13.00	1.60	33,440	187.08	0.27
13.10	1.42	33,888	187.12	0.27
13.20	1.30	34,279	187.15	0.27
13.30	1.20	34,632	187.17	0.27
13.40	1.10	34,949	187.20	0.27
13.50	1.01	35,229	187.22	0.27
13.60	0.91	35,475	187.24	0.28
13.70	0.86	35,693	187.26	0.28
13.80	0.84	35,899	187.27	0.28
13.90	0.81	36,095	187.29	0.28
14.00	0.78	36,282	187.30	0.28
14.10	0.76	36,459	187.31	0.28
14.20	0.73	36,627	187.33	0.28
14.30	0.71	36,786	187.34	0.28
14.40	0.68	36,935	187.35	0.28
14.50	0.66	37,074	187.36	0.28
14.60	0.63	37,205	187.37	0.28
14.70	0.60	37,325	187.38	0.28
14.80	0.58	37,436	187.39	0.28
14.90	0.55	37,538	187.39	0.28
15.00	0.53	37,630	187.40	0.28
15.10	0.50	37,713	187.41	0.28
15.20	0.49	37,788	187.41	0.28
15.30	0.48	37,860	187.42	0.28
15.40	0.47	37,930	187.42	0.28
15.50	0.47	37,997	187.43	0.28

Hydrograph for Pond B-50: Basin #50 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.46	38,062	187.43	0.28
15.70	0.45	38,124	187.44	0.28
15.80	0.45	38,183	187.44	0.29
15.90	0.44	38,240	187.45	0.29
16.00	0.43	38,295	187.45	0.29
16.10	0.43	38,346	187.45	0.29
16.20	0.42	38,396	187.46	0.29
16.30	0.41	38,443	187.46	0.29
16.40	0.41	38,487	187.46	0.29
16.50	0.40	38,529	187.47	0.29
16.60	0.39	38,568	187.47	0.29
16.70	0.39	38,605	187.47	0.29
16.80	0.38	38,639	187.48	0.29
16.90	0.37	38,670	187.48	0.29
17.00	0.36	38,699	187.48	0.29
17.10	0.36	38,726	187.48	0.29
17.20	0.35	38,750	187.48	0.29
17.30	0.34	38,772	187.49	0.29
17.40	0.34	38,791	187.49	0.29
17.50	0.33	38,807	187.49	0.29
17.60	0.32	38,821	187.49	0.29
17.70	0.32	38,832	187.49	0.29
17.80	0.31	38,841	187.49	0.29
17.90	0.30	38,848	187.49	0.29
18.00	0.29	38,852	187.49	0.29
18.10	0.29	**38,853**	**187.49**	**0.29**
18.20	0.28	38,852	187.49	0.29
18.30	0.28	38,851	187.49	0.29
18.40	0.28	38,849	187.49	0.29
18.50	0.28	38,846	187.49	0.29
18.60	0.28	38,843	187.49	0.29
18.70	0.28	38,839	187.49	0.29
18.80	0.27	38,835	187.49	0.29
18.90	0.27	38,830	187.49	0.29
19.00	0.27	38,824	187.49	0.29
19.10	0.27	38,818	187.49	0.29
19.20	0.27	38,811	187.49	0.29
19.30	0.27	38,803	187.49	0.29
19.40	0.26	38,795	187.49	0.29
19.50	0.26	38,787	187.49	0.29
19.60	0.26	38,777	187.49	0.29
19.70	0.26	38,767	187.49	0.29
19.80	0.26	38,757	187.48	0.29
19.90	0.26	38,746	187.48	0.29
20.00	0.25	38,734	187.48	0.29
20.10	0.25	38,722	187.48	0.29
20.20	0.25	38,709	187.48	0.29
20.30	0.25	38,695	187.48	0.29
20.40	0.25	38,681	187.48	0.29
20.50	0.24	38,666	187.48	0.29
20.60	0.24	38,651	187.48	0.29
20.70	0.24	38,635	187.48	0.29

Hydrograph for Pond B-50: Basin #50 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.24	38,619	187.47	0.29
20.90	0.24	38,601	187.47	0.29
21.00	0.24	38,583	187.47	0.29
21.10	0.23	38,565	187.47	0.29
21.20	0.23	38,546	187.47	0.29
21.30	0.23	38,526	187.47	0.29
21.40	0.23	38,506	187.47	0.29
21.50	0.23	38,486	187.46	0.29
21.60	0.23	38,464	187.46	0.29
21.70	0.22	38,442	187.46	0.29
21.80	0.22	38,419	187.46	0.29
21.90	0.22	38,396	187.46	0.29
22.00	0.22	38,373	187.46	0.29
22.10	0.22	38,348	187.45	0.29
22.20	0.22	38,323	187.45	0.29
22.30	0.21	38,298	187.45	0.29
22.40	0.21	38,272	187.45	0.29
22.50	0.21	38,245	187.45	0.29
22.60	0.21	38,217	187.44	0.29
22.70	0.21	38,190	187.44	0.29
22.80	0.20	38,161	187.44	0.29
22.90	0.20	38,132	187.44	0.28
23.00	0.20	38,102	187.44	0.28
23.10	0.20	38,072	187.43	0.28
23.20	0.20	38,041	187.43	0.28
23.30	0.20	38,009	187.43	0.28
23.40	0.20	37,977	187.43	0.28
23.50	0.19	37,944	187.42	0.28
23.60	0.19	37,911	187.42	0.28
23.70	0.19	37,877	187.42	0.28
23.80	0.19	37,843	187.42	0.28
23.90	0.19	37,808	187.41	0.28
24.00	0.22	37,777	187.41	0.28
24.10	0.06	37,728	187.41	0.28
24.20	0.01	37,635	187.40	0.28
24.30	0.00	37,534	187.39	0.28
24.40	0.00	37,432	187.39	0.28
24.50	0.00	37,330	187.38	0.28
24.60	0.00	37,229	187.37	0.28
24.70	0.00	37,127	187.36	0.28
24.80	0.00	37,026	187.36	0.28
24.90	0.00	36,925	187.35	0.28
25.00	0.00	36,824	187.34	0.28
25.10	0.00	36,723	187.33	0.28
25.20	0.00	36,622	187.33	0.28
25.30	0.00	36,522	187.32	0.28
25.40	0.00	36,421	187.31	0.28
25.50	0.00	36,321	187.30	0.28
25.60	0.00	36,221	187.30	0.28
25.70	0.00	36,121	187.29	0.28
25.80	0.00	36,021	187.28	0.28
25.90	0.00	35,921	187.27	0.28

Hydrograph for Pond B-50: Basin #50 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	35,822	187.27	0.28
26.10	0.00	35,722	187.26	0.28
26.20	0.00	35,623	187.25	0.28
26.30	0.00	35,523	187.24	0.28
26.40	0.00	35,424	187.23	0.28
26.50	0.00	35,325	187.23	0.27
26.60	0.00	35,226	187.22	0.27
26.70	0.00	35,128	187.21	0.27
26.80	0.00	35,029	187.20	0.27
26.90	0.00	34,931	187.20	0.27
27.00	0.00	34,832	187.19	0.27
27.10	0.00	34,734	187.18	0.27
27.20	0.00	34,636	187.17	0.27
27.30	0.00	34,538	187.17	0.27
27.40	0.00	34,440	187.16	0.27
27.50	0.00	34,343	187.15	0.27
27.60	0.00	34,245	187.14	0.27
27.70	0.00	34,148	187.14	0.27
27.80	0.00	34,050	187.13	0.27
27.90	0.00	33,953	187.12	0.27
28.00	0.00	33,856	187.12	0.27
28.10	0.00	33,759	187.11	0.27
28.20	0.00	33,663	187.10	0.27
28.30	0.00	33,566	187.09	0.27
28.40	0.00	33,470	187.09	0.27
28.50	0.00	33,373	187.08	0.27
28.60	0.00	33,277	187.07	0.27
28.70	0.00	33,181	187.06	0.27
28.80	0.00	33,085	187.06	0.27
28.90	0.00	32,989	187.05	0.27
29.00	0.00	32,894	187.04	0.27
29.10	0.00	32,798	187.03	0.27
29.20	0.00	32,703	187.03	0.26
29.30	0.00	32,608	187.02	0.26
29.40	0.00	32,512	187.01	0.26
29.50	0.00	32,417	187.00	0.26
29.60	0.00	32,323	187.00	0.26
29.70	0.00	32,228	186.99	0.26
29.80	0.00	32,133	186.98	0.26
29.90	0.00	32,039	186.97	0.26
30.00	0.00	31,945	186.97	0.26
30.10	0.00	31,851	186.96	0.26
30.20	0.00	31,757	186.95	0.26
30.30	0.00	31,663	186.94	0.26
30.40	0.00	31,569	186.94	0.26
30.50	0.00	31,475	186.93	0.26
30.60	0.00	31,382	186.92	0.26
30.70	0.00	31,289	186.92	0.26
30.80	0.00	31,195	186.91	0.26
30.90	0.00	31,102	186.90	0.26
31.00	0.00	31,009	186.89	0.26
31.10	0.00	30,917	186.89	0.26

Hydrograph for Pond B-50: Basin #50 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	30,824	186.88	0.26
31.30	0.00	30,731	186.87	0.26
31.40	0.00	30,639	186.86	0.26
31.50	0.00	30,547	186.86	0.26
31.60	0.00	30,455	186.85	0.26
31.70	0.00	30,363	186.84	0.26
31.80	0.00	30,271	186.83	0.25
31.90	0.00	30,179	186.83	0.25
32.00	0.00	30,088	186.82	0.25
32.10	0.00	29,996	186.81	0.25
32.20	0.00	29,905	186.81	0.25
32.30	0.00	29,814	186.80	0.25
32.40	0.00	29,723	186.79	0.25
32.50	0.00	29,632	186.78	0.25
32.60	0.00	29,542	186.78	0.25
32.70	0.00	29,451	186.77	0.25
32.80	0.00	29,361	186.76	0.25
32.90	0.00	29,270	186.75	0.25
33.00	0.00	29,180	186.75	0.25
33.10	0.00	29,090	186.74	0.25
33.20	0.00	29,000	186.73	0.25
33.30	0.00	28,911	186.73	0.25
33.40	0.00	28,821	186.72	0.25
33.50	0.00	28,732	186.71	0.25
33.60	0.00	28,642	186.70	0.25
33.70	0.00	28,553	186.70	0.25
33.80	0.00	28,464	186.69	0.25
33.90	0.00	28,375	186.68	0.25
34.00	0.00	28,286	186.68	0.25
34.10	0.00	28,198	186.67	0.25
34.20	0.00	28,109	186.66	0.25
34.30	0.00	28,021	186.65	0.25
34.40	0.00	27,933	186.65	0.24
34.50	0.00	27,845	186.64	0.24
34.60	0.00	27,757	186.63	0.24
34.70	0.00	27,669	186.63	0.24
34.80	0.00	27,582	186.62	0.24
34.90	0.00	27,494	186.61	0.24
35.00	0.00	27,407	186.60	0.24
35.10	0.00	27,320	186.60	0.24
35.20	0.00	27,233	186.59	0.24
35.30	0.00	27,146	186.58	0.24
35.40	0.00	27,059	186.58	0.24
35.50	0.00	26,972	186.57	0.24
35.60	0.00	26,886	186.56	0.24
35.70	0.00	26,800	186.55	0.24
35.80	0.00	26,713	186.55	0.24
35.90	0.00	26,627	186.54	0.24
36.00	0.00	26,542	186.53	0.24
36.10	0.00	26,456	186.53	0.24
36.20	0.00	26,370	186.52	0.24
36.30	0.00	26,285	186.51	0.24

Hydrograph for Pond B-50: Basin #50 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	26,199	186.51	0.24
36.50	0.00	26,114	186.50	0.24
36.60	0.00	26,029	186.49	0.24
36.70	0.00	25,944	186.48	0.24
36.80	0.00	25,860	186.48	0.24
36.90	0.00	25,775	186.47	0.23
37.00	0.00	25,690	186.46	0.23
37.10	0.00	25,606	186.46	0.23
37.20	0.00	25,522	186.45	0.23
37.30	0.00	25,438	186.44	0.23
37.40	0.00	25,354	186.44	0.23
37.50	0.00	25,270	186.43	0.23
37.60	0.00	25,187	186.42	0.23
37.70	0.00	25,103	186.41	0.23
37.80	0.00	25,020	186.41	0.23
37.90	0.00	24,937	186.40	0.23
38.00	0.00	24,854	186.39	0.23
38.10	0.00	24,771	186.39	0.23
38.20	0.00	24,688	186.38	0.23
38.30	0.00	24,606	186.37	0.23
38.40	0.00	24,523	186.37	0.23
38.50	0.00	24,441	186.36	0.23
38.60	0.00	24,359	186.35	0.23
38.70	0.00	24,277	186.35	0.23
38.80	0.00	24,195	186.34	0.23
38.90	0.00	24,113	186.33	0.23
39.00	0.00	24,032	186.33	0.23
39.10	0.00	23,950	186.32	0.23
39.20	0.00	23,869	186.31	0.23
39.30	0.00	23,788	186.30	0.23
39.40	0.00	23,707	186.30	0.22
39.50	0.00	23,626	186.29	0.22
39.60	0.00	23,546	186.28	0.22
39.70	0.00	23,465	186.28	0.22
39.80	0.00	23,385	186.27	0.22
39.90	0.00	23,305	186.26	0.22
40.00	0.00	23,224	186.26	0.22

Stage-Discharge for Pond B-50: Basin #50

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
184.00	0.00	184.52	0.05	185.04	0.13	185.56	0.17
184.01	0.00	184.53	0.05	185.05	0.13	185.57	0.18
184.02	0.00	184.54	0.06	185.06	0.13	185.58	0.18
184.03	0.00	184.55	0.06	185.07	0.13	185.59	0.18
184.04	0.00	184.56	0.06	185.08	0.13	185.60	0.18
184.05	0.00	184.57	0.06	185.09	0.13	185.61	0.18
184.06	0.00	184.58	0.06	185.10	0.13	185.62	0.18
184.07	0.00	184.59	0.07	185.11	0.14	185.63	0.18
184.08	0.00	184.60	0.07	185.12	0.14	185.64	0.18
184.09	0.00	184.61	0.07	185.13	0.14	185.65	0.18
184.10	0.00	184.62	0.07	185.14	0.14	185.66	0.18
184.11	0.00	184.63	0.07	185.15	0.14	185.67	0.18
184.12	0.00	184.64	0.08	185.16	0.14	185.68	0.18
184.13	0.00	184.65	0.08	185.17	0.14	185.69	0.18
184.14	0.00	184.66	0.08	185.18	0.14	185.70	0.19
184.15	0.00	184.67	0.08	185.19	0.14	185.71	0.19
184.16	0.00	184.68	0.08	185.20	0.14	185.72	0.19
184.17	0.00	184.69	0.08	185.21	0.15	185.73	0.19
184.18	0.00	184.70	0.09	185.22	0.15	185.74	0.19
184.19	0.00	184.71	0.09	185.23	0.15	185.75	0.19
184.20	0.00	184.72	0.09	185.24	0.15	185.76	0.19
184.21	0.00	184.73	0.09	185.25	0.15	185.77	0.19
184.22	0.00	184.74	0.09	185.26	0.15	185.78	0.19
184.23	0.00	184.75	0.09	185.27	0.15	185.79	0.19
184.24	0.00	184.76	0.10	185.28	0.15	185.80	0.19
184.25	0.00	184.77	0.10	185.29	0.15	185.81	0.19
184.26	0.00	184.78	0.10	185.30	0.15	185.82	0.19
184.27	0.00	184.79	0.10	185.31	0.15	185.83	0.19
184.28	0.00	184.80	0.10	185.32	0.16	185.84	0.20
184.29	0.00	184.81	0.10	185.33	0.16	185.85	0.20
184.30	0.00	184.82	0.10	185.34	0.16	185.86	0.20
184.31	0.00	184.83	0.10	185.35	0.16	185.87	0.20
184.32	0.00	184.84	0.11	185.36	0.16	185.88	0.20
184.33	0.00	184.85	0.11	185.37	0.16	185.89	0.20
184.34	0.00	184.86	0.11	185.38	0.16	185.90	0.20
184.35	0.00	184.87	0.11	185.39	0.16	185.91	0.20
184.36	0.00	184.88	0.11	185.40	0.16	185.92	0.20
184.37	0.00	184.89	0.11	185.41	0.16	185.93	0.20
184.38	0.01	184.90	0.11	185.42	0.16	185.94	0.20
184.39	0.01	184.91	0.11	185.43	0.16	185.95	0.20
184.40	0.01	184.92	0.12	185.44	0.17	185.96	0.20
184.41	0.01	184.93	0.12	185.45	0.17	185.97	0.20
184.42	0.02	184.94	0.12	185.46	0.17	185.98	0.20
184.43	0.02	184.95	0.12	185.47	0.17	185.99	0.21
184.44	0.02	184.96	0.12	185.48	0.17	186.00	0.21
184.45	0.03	184.97	0.12	185.49	0.17	186.01	0.21
184.46	0.03	184.98	0.12	185.50	0.17	186.02	0.21
184.47	0.03	184.99	0.12	185.51	0.17	186.03	0.21
184.48	0.04	185.00	0.12	185.52	0.17	186.04	0.21
184.49	0.04	185.01	0.13	185.53	0.17	186.05	0.21
184.50	0.05	185.02	0.13	185.54	0.17	186.06	0.21
184.51	0.05	185.03	0.13	185.55	0.17	186.07	0.21

Stage-Discharge for Pond B-50: Basin #50 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
186.08	0.21	186.60	0.24	187.12	0.27	187.64	0.97
186.09	0.21	186.61	0.24	187.13	0.27	187.65	1.05
186.10	0.21	186.62	0.24	187.14	0.27	187.66	1.13
186.11	0.21	186.63	0.24	187.15	0.27	187.67	1.20
186.12	0.21	186.64	0.24	187.16	0.27	187.68	1.29
186.13	0.21	186.65	0.24	187.17	0.27	187.69	1.37
186.14	0.22	186.66	0.25	187.18	0.27	187.70	1.46
186.15	0.22	186.67	0.25	187.19	0.27	187.71	1.54
186.16	0.22	186.68	0.25	187.20	0.27	187.72	1.63
186.17	0.22	186.69	0.25	187.21	0.27	187.73	1.72
186.18	0.22	186.70	0.25	187.22	0.27	187.74	1.82
186.19	0.22	186.71	0.25	187.23	0.27	187.75	1.91
186.20	0.22	186.72	0.25	187.24	0.28	187.76	2.01
186.21	0.22	186.73	0.25	187.25	0.28	187.77	2.11
186.22	0.22	186.74	0.25	187.26	0.28	187.78	2.21
186.23	0.22	186.75	0.25	187.27	0.28	187.79	2.31
186.24	0.22	186.76	0.25	187.28	0.28	187.80	2.42
186.25	0.22	186.77	0.25	187.29	0.28	187.81	2.52
186.26	0.22	186.78	0.25	187.30	0.28	187.82	2.63
186.27	0.22	186.79	0.25	187.31	0.28	187.83	2.74
186.28	0.22	186.80	0.25	187.32	0.28	187.84	2.85
186.29	0.22	186.81	0.25	187.33	0.28	187.85	2.96
186.30	0.22	186.82	0.25	187.34	0.28	187.86	3.08
186.31	0.23	186.83	0.25	187.35	0.28	187.87	3.19
186.32	0.23	186.84	0.26	187.36	0.28	187.88	3.31
186.33	0.23	186.85	0.26	187.37	0.28	187.89	3.43
186.34	0.23	186.86	0.26	187.38	0.28	187.90	3.55
186.35	0.23	186.87	0.26	187.39	0.28	187.91	3.67
186.36	0.23	186.88	0.26	187.40	0.28	187.92	3.79
186.37	0.23	186.89	0.26	187.41	0.28	187.93	3.92
186.38	0.23	186.90	0.26	187.42	0.28	187.94	4.04
186.39	0.23	186.91	0.26	187.43	0.28	187.95	4.17
186.40	0.23	186.92	0.26	187.44	0.29	187.96	4.30
186.41	0.23	186.93	0.26	187.45	0.29	187.97	4.42
186.42	0.23	186.94	0.26	187.46	0.29	187.98	4.55
186.43	0.23	186.95	0.26	187.47	0.29	187.99	4.69
186.44	0.23	186.96	0.26	187.48	0.29	188.00	4.82
186.45	0.23	186.97	0.26	187.49	0.29	188.01	4.95
186.46	0.23	186.98	0.26	187.50	0.29	188.02	5.09
186.47	0.23	186.99	0.26	187.51	0.30	188.03	5.22
186.48	0.24	187.00	0.26	187.52	0.33	188.04	5.36
186.49	0.24	187.01	0.26	187.53	0.36	188.05	5.50
186.50	0.24	187.02	0.26	187.54	0.39	188.06	5.64
186.51	0.24	187.03	0.26	187.55	0.44	188.07	5.78
186.52	0.24	187.04	0.27	187.56	0.48	188.08	5.92
186.53	0.24	187.05	0.27	187.57	0.53	188.09	6.07
186.54	0.24	187.06	0.27	187.58	0.59	188.10	6.21
186.55	0.24	187.07	0.27	187.59	0.64	188.11	6.36
186.56	0.24	187.08	0.27	187.60	0.70	188.12	6.50
186.57	0.24	187.09	0.27	187.61	0.77	188.13	6.65
186.58	0.24	187.10	0.27	187.62	0.83	188.14	6.80
186.59	0.24	187.11	0.27	187.63	0.90	188.15	6.95

Stage-Discharge for Pond B-50: Basin #50 (continued)

Elevation (feet)	Primary (cfs)
188.16	7.10
188.17	7.25
188.18	7.40
188.19	7.56
188.20	7.71
188.21	7.87
188.22	8.02
188.23	8.18
188.24	8.34
188.25	8.50
188.26	8.66
188.27	8.82
188.28	8.98
188.29	9.14
188.30	9.31
188.31	9.47
188.32	9.64
188.33	9.80
188.34	9.97
188.35	10.14
188.36	10.31
188.37	10.48
188.38	10.65
188.39	10.82
188.40	10.99
188.41	11.17
188.42	11.34
188.43	11.51
188.44	11.69
188.45	11.87
188.46	12.11
188.47	12.42
188.48	12.76
188.49	13.14
188.50	**13.55**

Stage-Area-Storage for Pond B-50: Basin #50

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
184.00	8,805	0	184.52	9,483	4,755
184.01	8,818	88	184.53	9,496	4,850
184.02	8,831	176	184.54	9,509	4,945
184.03	8,844	265	184.55	9,522	5,040
184.04	8,857	353	184.56	9,535	5,135
184.05	8,870	442	184.57	9,548	5,231
184.06	8,883	531	184.58	9,561	5,326
184.07	8,896	620	184.59	9,574	5,422
184.08	8,909	709	184.60	9,587	5,518
184.09	8,922	798	184.61	9,600	5,613
184.10	8,935	887	184.62	9,613	5,710
184.11	8,948	976	184.63	9,626	5,806
184.12	8,961	1,066	184.64	9,639	5,902
184.13	8,974	1,156	184.65	9,652	5,999
184.14	8,987	1,245	184.66	9,665	6,095
184.15	9,000	1,335	184.67	9,678	6,192
184.16	9,013	1,425	184.68	9,691	6,289
184.17	9,027	1,516	184.69	9,704	6,386
184.18	9,040	1,606	184.70	9,717	6,483
184.19	9,053	1,696	184.71	9,730	6,580
184.20	9,066	1,787	184.72	9,743	6,677
184.21	9,079	1,878	184.73	9,756	6,775
184.22	9,092	1,969	184.74	9,769	6,872
184.23	9,105	2,060	184.75	9,782	6,970
184.24	9,118	2,151	184.76	9,795	7,068
184.25	9,131	2,242	184.77	9,808	7,166
184.26	9,144	2,333	184.78	9,821	7,264
184.27	9,157	2,425	184.79	9,834	7,363
184.28	9,170	2,516	184.80	9,847	7,461
184.29	9,183	2,608	184.81	9,860	7,559
184.30	9,196	2,700	184.82	9,873	7,658
184.31	9,209	2,792	184.83	9,886	7,757
184.32	9,222	2,884	184.84	9,900	7,856
184.33	9,235	2,977	184.85	9,913	7,955
184.34	9,248	3,069	184.86	9,926	8,054
184.35	9,261	3,162	184.87	9,939	8,153
184.36	9,274	3,254	184.88	9,952	8,253
184.37	9,287	3,347	184.89	9,965	8,353
184.38	9,300	3,440	184.90	9,978	8,452
184.39	9,313	3,533	184.91	9,991	8,552
184.40	9,326	3,626	184.92	10,004	8,652
184.41	9,339	3,720	184.93	10,017	8,752
184.42	9,352	3,813	184.94	10,030	8,852
184.43	9,365	3,907	184.95	10,043	8,953
184.44	9,378	4,000	184.96	10,056	9,053
184.45	9,391	4,094	184.97	10,069	9,154
184.46	9,404	4,188	184.98	10,082	9,255
184.47	9,417	4,282	184.99	10,095	9,355
184.48	9,430	4,377	185.00	10,108	9,457
184.49	9,443	4,471	185.01	10,121	9,558
184.50	9,457	4,565	185.02	10,135	9,659
184.51	9,470	4,660	185.03	10,148	9,760

Stage-Area-Storage for Pond B-50: Basin #50 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
185.04	10,162	9,862	185.56	10,858	15,327
185.05	10,175	9,964	185.57	10,872	15,436
185.06	10,188	10,065	185.58	10,885	15,545
185.07	10,202	10,167	185.59	10,899	15,653
185.08	10,215	10,269	185.60	10,912	15,762
185.09	10,229	10,372	185.61	10,925	15,872
185.10	10,242	10,474	185.62	10,939	15,981
185.11	10,255	10,576	185.63	10,952	16,090
185.12	10,269	10,679	185.64	10,966	16,200
185.13	10,282	10,782	185.65	10,979	16,310
185.14	10,296	10,885	185.66	10,992	16,420
185.15	10,309	10,988	185.67	11,006	16,530
185.16	10,322	11,091	185.68	11,019	16,640
185.17	10,336	11,194	185.69	11,033	16,750
185.18	10,349	11,298	185.70	11,046	16,860
185.19	10,363	11,401	185.71	11,059	16,971
185.20	10,376	11,505	185.72	11,073	17,082
185.21	10,389	11,609	185.73	11,086	17,192
185.22	10,403	11,713	185.74	11,100	17,303
185.23	10,416	11,817	185.75	11,113	17,414
185.24	10,430	11,921	185.76	11,126	17,526
185.25	10,443	12,025	185.77	11,140	17,637
185.26	10,456	12,130	185.78	11,153	17,748
185.27	10,470	12,235	185.79	11,167	17,860
185.28	10,483	12,339	185.80	11,180	17,972
185.29	10,497	12,444	185.81	11,193	18,084
185.30	10,510	12,549	185.82	11,207	18,196
185.31	10,523	12,654	185.83	11,220	18,308
185.32	10,537	12,760	185.84	11,234	18,420
185.33	10,550	12,865	185.85	11,247	18,532
185.34	10,564	12,971	185.86	11,260	18,645
185.35	10,577	13,076	185.87	11,274	18,758
185.36	10,590	13,182	185.88	11,287	18,870
185.37	10,604	13,288	185.89	11,301	18,983
185.38	10,617	13,394	185.90	11,314	19,096
185.39	10,631	13,501	185.91	11,327	19,210
185.40	10,644	13,607	185.92	11,341	19,323
185.41	10,657	13,713	185.93	11,354	19,436
185.42	10,671	13,820	185.94	11,368	19,550
185.43	10,684	13,927	185.95	11,381	19,664
185.44	10,698	14,034	185.96	11,394	19,778
185.45	10,711	14,141	185.97	11,408	19,892
185.46	10,724	14,248	185.98	11,421	20,006
185.47	10,738	14,355	185.99	11,435	20,120
185.48	10,751	14,463	186.00	11,448	20,235
185.49	10,765	14,570	186.01	11,462	20,349
185.50	10,778	14,678	186.02	11,476	20,464
185.51	10,791	14,786	186.03	11,489	20,579
185.52	10,805	14,894	186.04	11,503	20,694
185.53	10,818	15,002	186.05	11,517	20,809
185.54	10,832	15,110	186.06	11,531	20,924
185.55	10,845	15,219	186.07	11,544	21,039

Stage-Area-Storage for Pond B-50: Basin #50 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
186.08	11,558	21,155	186.60	12,275	27,351
186.09	11,572	21,270	186.61	12,289	27,474
186.10	11,586	21,386	186.62	12,302	27,597
186.11	11,600	21,502	186.63	12,316	27,720
186.12	11,613	21,618	186.64	12,330	27,843
186.13	11,627	21,734	186.65	12,344	27,967
186.14	11,641	21,851	186.66	12,357	28,090
186.15	11,655	21,967	186.67	12,371	28,214
186.16	11,668	22,084	186.68	12,385	28,338
186.17	11,682	22,201	186.69	12,399	28,462
186.18	11,696	22,317	186.70	12,413	28,586
186.19	11,710	22,434	186.71	12,426	28,710
186.20	11,724	22,552	186.72	12,440	28,834
186.21	11,737	22,669	186.73	12,454	28,959
186.22	11,751	22,786	186.74	12,468	29,083
186.23	11,765	22,904	186.75	12,482	29,208
186.24	11,779	23,022	186.76	12,495	29,333
186.25	11,793	23,140	186.77	12,509	29,458
186.26	11,806	23,258	186.78	12,523	29,583
186.27	11,820	23,376	186.79	12,537	29,708
186.28	11,834	23,494	186.80	12,550	29,834
186.29	11,848	23,612	186.81	12,564	29,959
186.30	11,861	23,731	186.82	12,578	30,085
186.31	11,875	23,850	186.83	12,592	30,211
186.32	11,889	23,968	186.84	12,606	30,337
186.33	11,903	24,087	186.85	12,619	30,463
186.34	11,917	24,206	186.86	12,633	30,589
186.35	11,930	24,326	186.87	12,647	30,716
186.36	11,944	24,445	186.88	12,661	30,842
186.37	11,958	24,565	186.89	12,674	30,969
186.38	11,972	24,684	186.90	12,688	31,096
186.39	11,985	24,804	186.91	12,702	31,223
186.40	11,999	24,924	186.92	12,716	31,350
186.41	12,013	25,044	186.93	12,730	31,477
186.42	12,027	25,164	186.94	12,743	31,604
186.43	12,041	25,285	186.95	12,757	31,732
186.44	12,054	25,405	186.96	12,771	31,860
186.45	12,068	25,526	186.97	12,785	31,987
186.46	12,082	25,646	186.98	12,798	32,115
186.47	12,096	25,767	186.99	12,812	32,243
186.48	12,109	25,888	187.00	12,826	32,372
186.49	12,123	26,009	187.01	12,840	32,500
186.50	12,137	26,131	187.02	12,854	32,628
186.51	12,151	26,252	187.03	12,869	32,757
186.52	12,165	26,374	187.04	12,883	32,886
186.53	12,178	26,495	187.05	12,897	33,015
186.54	12,192	26,617	187.06	12,911	33,144
186.55	12,206	26,739	187.07	12,925	33,273
186.56	12,220	26,861	187.08	12,939	33,402
186.57	12,233	26,984	187.09	12,954	33,532
186.58	12,247	27,106	187.10	12,968	33,661
186.59	12,261	27,229	187.11	12,982	33,791

Stage-Area-Storage for Pond B-50: Basin #50 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
187.12	12,996	33,921
187.13	13,010	34,051
187.14	13,025	34,181
187.15	13,039	34,311
187.16	13,053	34,442
187.17	13,067	34,572
187.18	13,081	34,703
187.19	13,095	34,834
187.20	13,110	34,965
187.21	13,124	35,096
187.22	13,138	35,228
187.23	13,152	35,359
187.24	13,166	35,491
187.25	13,181	35,622
187.26	13,195	35,754
187.27	13,209	35,886
187.28	13,223	36,018
187.29	13,237	36,151
187.30	13,251	36,283
187.31	13,266	36,416
187.32	13,280	36,548
187.33	13,294	36,681
187.34	13,308	36,814
187.35	13,322	36,947
187.36	13,336	37,081
187.37	13,351	37,214
187.38	13,365	37,348
187.39	13,379	37,481
187.40	13,393	37,615
187.41	13,407	37,749
187.42	13,422	37,883
187.43	13,436	38,018
187.44	13,450	38,152
187.45	13,464	38,287
187.46	13,478	38,421
187.47	13,492	38,556
187.48	13,507	38,691
187.49	13,521	38,826
187.50	13,535	38,962
187.51	13,549	39,097
187.52	13,563	39,233
187.53	13,578	39,368
187.54	13,592	39,504
187.55	13,606	39,640
187.56	13,620	39,776
187.57	13,634	39,913
187.58	13,648	40,049
187.59	13,663	40,186
187.60	13,677	40,322
187.61	13,691	40,459
187.62	13,705	40,596
187.63	13,719	40,733
187.64	13,734	40,871
187.65	13,748	41,008
187.66	13,762	41,146
187.67	13,776	41,283
187.68	13,790	41,421
187.69	13,804	41,559
187.70	13,819	41,697
187.71	13,833	41,835
187.72	13,847	41,974
187.73	13,861	42,112
187.74	13,875	42,251
187.75	13,890	42,390
187.76	13,904	42,529
187.77	13,918	42,668
187.78	13,932	42,807
187.79	13,946	42,947
187.80	13,960	43,086
187.81	13,975	43,226
187.82	13,989	43,366
187.83	14,003	43,506
187.84	14,017	43,646
187.85	14,031	43,786
187.86	14,045	43,926
187.87	14,060	44,067
187.88	14,074	44,207
187.89	14,088	44,348
187.90	14,102	44,489
187.91	14,116	44,630
187.92	14,131	44,772
187.93	14,145	44,913
187.94	14,159	45,054
187.95	14,173	45,196
187.96	14,187	45,338
187.97	14,201	45,480
187.98	14,216	45,622
187.99	14,230	45,764
188.00	14,244	45,907
188.01	14,258	46,049
188.02	14,273	46,192
188.03	14,287	46,334
188.04	14,302	46,477
188.05	14,316	46,621
188.06	14,331	46,764
188.07	14,345	46,907
188.08	14,360	47,051
188.09	14,374	47,194
188.10	14,388	47,338
188.11	14,403	47,482
188.12	14,417	47,626
188.13	14,432	47,770
188.14	14,446	47,915
188.15	14,461	48,059

Stage-Area-Storage for Pond B-50: Basin #50 (continued)

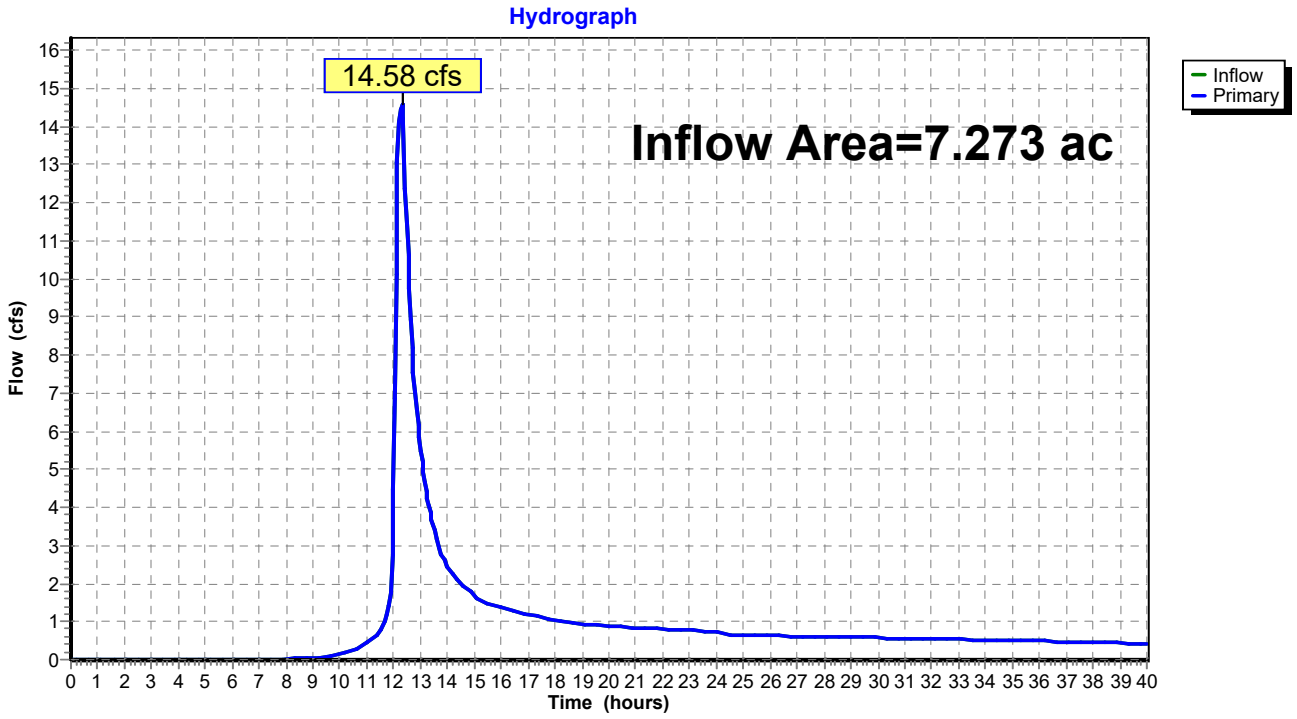
Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
188.16	14,475	48,204
188.17	14,489	48,349
188.18	14,504	48,494
188.19	14,518	48,639
188.20	14,533	48,784
188.21	14,547	48,930
188.22	14,562	49,075
188.23	14,576	49,221
188.24	14,591	49,367
188.25	14,605	49,513
188.26	14,619	49,659
188.27	14,634	49,805
188.28	14,648	49,951
188.29	14,663	50,098
188.30	14,677	50,245
188.31	14,692	50,392
188.32	14,706	50,539
188.33	14,721	50,686
188.34	14,735	50,833
188.35	14,749	50,980
188.36	14,764	51,128
188.37	14,778	51,276
188.38	14,793	51,423
188.39	14,807	51,571
188.40	14,822	51,720
188.41	14,836	51,868
188.42	14,850	52,016
188.43	14,865	52,165
188.44	14,879	52,314
188.45	14,894	52,463
188.46	14,908	52,612
188.47	14,923	52,761
188.48	14,937	52,910
188.49	14,952	53,059
188.50	**14,966**	**53,209**

Summary for Link PDA-5: Proposed Drainage Area #5

Inflow Area = 7.273 ac, 32.33% Impervious, Inflow Depth > 4.74" for Current 100 yr event
Inflow = 14.58 cfs @ 12.31 hrs, Volume= 2.870 af
Primary = 14.58 cfs @ 12.31 hrs, Volume= 2.870 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link PDA-5: Proposed Drainage Area #5



Hydrograph for Link PDA-5: Proposed Drainage Area #5

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link PDA-5: Proposed Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.02	0.00	0.02
5.25	0.00	0.00	0.00	7.85	0.02	0.00	0.02
5.30	0.00	0.00	0.00	7.90	0.02	0.00	0.02
5.35	0.00	0.00	0.00	7.95	0.02	0.00	0.02
5.40	0.00	0.00	0.00	8.00	0.02	0.00	0.02
5.45	0.00	0.00	0.00	8.05	0.02	0.00	0.02
5.50	0.00	0.00	0.00	8.10	0.02	0.00	0.02
5.55	0.00	0.00	0.00	8.15	0.02	0.00	0.02
5.60	0.00	0.00	0.00	8.20	0.02	0.00	0.02
5.65	0.00	0.00	0.00	8.25	0.02	0.00	0.02
5.70	0.00	0.00	0.00	8.30	0.02	0.00	0.02
5.75	0.00	0.00	0.00	8.35	0.02	0.00	0.02
5.80	0.00	0.00	0.00	8.40	0.03	0.00	0.03
5.85	0.00	0.00	0.00	8.45	0.03	0.00	0.03
5.90	0.00	0.00	0.00	8.50	0.03	0.00	0.03
5.95	0.00	0.00	0.00	8.55	0.03	0.00	0.03
6.00	0.00	0.00	0.00	8.60	0.03	0.00	0.03
6.05	0.00	0.00	0.00	8.65	0.03	0.00	0.03
6.10	0.00	0.00	0.00	8.70	0.03	0.00	0.03
6.15	0.00	0.00	0.00	8.75	0.03	0.00	0.03
6.20	0.00	0.00	0.00	8.80	0.03	0.00	0.03
6.25	0.00	0.00	0.00	8.85	0.03	0.00	0.03
6.30	0.00	0.00	0.00	8.90	0.03	0.00	0.03
6.35	0.00	0.00	0.00	8.95	0.04	0.00	0.04
6.40	0.00	0.00	0.00	9.00	0.04	0.00	0.04
6.45	0.00	0.00	0.00	9.05	0.04	0.00	0.04
6.50	0.00	0.00	0.00	9.10	0.04	0.00	0.04
6.55	0.00	0.00	0.00	9.15	0.04	0.00	0.04
6.60	0.00	0.00	0.00	9.20	0.04	0.00	0.04
6.65	0.00	0.00	0.00	9.25	0.05	0.00	0.05
6.70	0.00	0.00	0.00	9.30	0.05	0.00	0.05
6.75	0.00	0.00	0.00	9.35	0.05	0.00	0.05
6.80	0.00	0.00	0.00	9.40	0.06	0.00	0.06
6.85	0.00	0.00	0.00	9.45	0.06	0.00	0.06
6.90	0.00	0.00	0.00	9.50	0.06	0.00	0.06
6.95	0.01	0.00	0.01	9.55	0.07	0.00	0.07
7.00	0.01	0.00	0.01	9.60	0.08	0.00	0.08
7.05	0.01	0.00	0.01	9.65	0.08	0.00	0.08
7.10	0.01	0.00	0.01	9.70	0.09	0.00	0.09
7.15	0.01	0.00	0.01	9.75	0.10	0.00	0.10
7.20	0.01	0.00	0.01	9.80	0.11	0.00	0.11
7.25	0.01	0.00	0.01	9.85	0.12	0.00	0.12
7.30	0.01	0.00	0.01	9.90	0.13	0.00	0.13
7.35	0.01	0.00	0.01	9.95	0.14	0.00	0.14
7.40	0.01	0.00	0.01	10.00	0.15	0.00	0.15
7.45	0.01	0.00	0.01	10.05	0.16	0.00	0.16
7.50	0.01	0.00	0.01	10.10	0.17	0.00	0.17
7.55	0.01	0.00	0.01	10.15	0.18	0.00	0.18
7.60	0.01	0.00	0.01	10.20	0.20	0.00	0.20
7.65	0.01	0.00	0.01	10.25	0.21	0.00	0.21
7.70	0.01	0.00	0.01	10.30	0.22	0.00	0.22
7.75	0.02	0.00	0.02	10.35	0.23	0.00	0.23

Hydrograph for Link PDA-5: Proposed Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.24	0.00	0.24	13.00	5.50	0.00	5.50
10.45	0.26	0.00	0.26	13.05	5.20	0.00	5.20
10.50	0.27	0.00	0.27	13.10	4.92	0.00	4.92
10.55	0.28	0.00	0.28	13.15	4.66	0.00	4.66
10.60	0.30	0.00	0.30	13.20	4.43	0.00	4.43
10.65	0.31	0.00	0.31	13.25	4.23	0.00	4.23
10.70	0.33	0.00	0.33	13.30	4.04	0.00	4.04
10.75	0.34	0.00	0.34	13.35	3.86	0.00	3.86
10.80	0.36	0.00	0.36	13.40	3.70	0.00	3.70
10.85	0.38	0.00	0.38	13.45	3.54	0.00	3.54
10.90	0.40	0.00	0.40	13.50	3.40	0.00	3.40
10.95	0.41	0.00	0.41	13.55	3.26	0.00	3.26
11.00	0.43	0.00	0.43	13.60	3.13	0.00	3.13
11.05	0.45	0.00	0.45	13.65	3.01	0.00	3.01
11.10	0.48	0.00	0.48	13.70	2.90	0.00	2.90
11.15	0.50	0.00	0.50	13.75	2.80	0.00	2.80
11.20	0.53	0.00	0.53	13.80	2.72	0.00	2.72
11.25	0.56	0.00	0.56	13.85	2.64	0.00	2.64
11.30	0.59	0.00	0.59	13.90	2.57	0.00	2.57
11.35	0.62	0.00	0.62	13.95	2.50	0.00	2.50
11.40	0.65	0.00	0.65	14.00	2.44	0.00	2.44
11.45	0.68	0.00	0.68	14.05	2.39	0.00	2.39
11.50	0.72	0.00	0.72	14.10	2.33	0.00	2.33
11.55	0.76	0.00	0.76	14.15	2.29	0.00	2.29
11.60	0.85	0.00	0.85	14.20	2.24	0.00	2.24
11.65	0.96	0.00	0.96	14.25	2.20	0.00	2.20
11.70	1.04	0.00	1.04	14.30	2.16	0.00	2.16
11.75	1.12	0.00	1.12	14.35	2.12	0.00	2.12
11.80	1.25	0.00	1.25	14.40	2.09	0.00	2.09
11.85	1.41	0.00	1.41	14.45	2.05	0.00	2.05
11.90	1.77	0.00	1.77	14.50	2.01	0.00	2.01
11.95	2.75	0.00	2.75	14.55	1.98	0.00	1.98
12.00	4.45	0.00	4.45	14.60	1.95	0.00	1.95
12.05	6.84	0.00	6.84	14.65	1.92	0.00	1.92
12.10	10.14	0.00	10.14	14.70	1.89	0.00	1.89
12.15	13.09	0.00	13.09	14.75	1.85	0.00	1.85
12.20	14.13	0.00	14.13	14.80	1.82	0.00	1.82
12.25	14.44	0.00	14.44	14.85	1.79	0.00	1.79
12.30	**14.58**	0.00	**14.58**	14.90	1.76	0.00	1.76
12.35	14.51	0.00	14.51	14.95	1.73	0.00	1.73
12.40	13.50	0.00	13.50	15.00	1.70	0.00	1.70
12.45	12.39	0.00	12.39	15.05	1.67	0.00	1.67
12.50	11.46	0.00	11.46	15.10	1.64	0.00	1.64
12.55	10.64	0.00	10.64	15.15	1.61	0.00	1.61
12.60	9.77	0.00	9.77	15.20	1.59	0.00	1.59
12.65	8.91	0.00	8.91	15.25	1.56	0.00	1.56
12.70	8.17	0.00	8.17	15.30	1.54	0.00	1.54
12.75	7.56	0.00	7.56	15.35	1.52	0.00	1.52
12.80	7.04	0.00	7.04	15.40	1.50	0.00	1.50
12.85	6.58	0.00	6.58	15.45	1.49	0.00	1.49
12.90	6.18	0.00	6.18	15.50	1.47	0.00	1.47
12.95	5.82	0.00	5.82	15.55	1.46	0.00	1.46

Hydrograph for Link PDA-5: Proposed Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	1.44	0.00	1.44	18.20	1.00	0.00	1.00
15.65	1.43	0.00	1.43	18.25	1.00	0.00	1.00
15.70	1.42	0.00	1.42	18.30	0.99	0.00	0.99
15.75	1.40	0.00	1.40	18.35	0.98	0.00	0.98
15.80	1.39	0.00	1.39	18.40	0.98	0.00	0.98
15.85	1.38	0.00	1.38	18.45	0.97	0.00	0.97
15.90	1.37	0.00	1.37	18.50	0.97	0.00	0.97
15.95	1.36	0.00	1.36	18.55	0.96	0.00	0.96
16.00	1.35	0.00	1.35	18.60	0.96	0.00	0.96
16.05	1.34	0.00	1.34	18.65	0.95	0.00	0.95
16.10	1.33	0.00	1.33	18.70	0.95	0.00	0.95
16.15	1.32	0.00	1.32	18.75	0.95	0.00	0.95
16.20	1.31	0.00	1.31	18.80	0.94	0.00	0.94
16.25	1.30	0.00	1.30	18.85	0.94	0.00	0.94
16.30	1.29	0.00	1.29	18.90	0.94	0.00	0.94
16.35	1.29	0.00	1.29	18.95	0.93	0.00	0.93
16.40	1.28	0.00	1.28	19.00	0.93	0.00	0.93
16.45	1.27	0.00	1.27	19.05	0.93	0.00	0.93
16.50	1.26	0.00	1.26	19.10	0.93	0.00	0.93
16.55	1.25	0.00	1.25	19.15	0.92	0.00	0.92
16.60	1.24	0.00	1.24	19.20	0.92	0.00	0.92
16.65	1.24	0.00	1.24	19.25	0.92	0.00	0.92
16.70	1.23	0.00	1.23	19.30	0.92	0.00	0.92
16.75	1.22	0.00	1.22	19.35	0.91	0.00	0.91
16.80	1.22	0.00	1.22	19.40	0.91	0.00	0.91
16.85	1.21	0.00	1.21	19.45	0.91	0.00	0.91
16.90	1.20	0.00	1.20	19.50	0.91	0.00	0.91
16.95	1.19	0.00	1.19	19.55	0.90	0.00	0.90
17.00	1.19	0.00	1.19	19.60	0.90	0.00	0.90
17.05	1.18	0.00	1.18	19.65	0.90	0.00	0.90
17.10	1.17	0.00	1.17	19.70	0.90	0.00	0.90
17.15	1.16	0.00	1.16	19.75	0.89	0.00	0.89
17.20	1.16	0.00	1.16	19.80	0.89	0.00	0.89
17.25	1.15	0.00	1.15	19.85	0.89	0.00	0.89
17.30	1.14	0.00	1.14	19.90	0.89	0.00	0.89
17.35	1.13	0.00	1.13	19.95	0.89	0.00	0.89
17.40	1.12	0.00	1.12	20.00	0.88	0.00	0.88
17.45	1.12	0.00	1.12	20.05	0.88	0.00	0.88
17.50	1.11	0.00	1.11	20.10	0.88	0.00	0.88
17.55	1.10	0.00	1.10	20.15	0.88	0.00	0.88
17.60	1.09	0.00	1.09	20.20	0.87	0.00	0.87
17.65	1.09	0.00	1.09	20.25	0.87	0.00	0.87
17.70	1.08	0.00	1.08	20.30	0.87	0.00	0.87
17.75	1.07	0.00	1.07	20.35	0.87	0.00	0.87
17.80	1.06	0.00	1.06	20.40	0.87	0.00	0.87
17.85	1.06	0.00	1.06	20.45	0.86	0.00	0.86
17.90	1.05	0.00	1.05	20.50	0.86	0.00	0.86
17.95	1.04	0.00	1.04	20.55	0.86	0.00	0.86
18.00	1.03	0.00	1.03	20.60	0.86	0.00	0.86
18.05	1.02	0.00	1.02	20.65	0.86	0.00	0.86
18.10	1.02	0.00	1.02	20.70	0.85	0.00	0.85
18.15	1.01	0.00	1.01	20.75	0.85	0.00	0.85

Hydrograph for Link PDA-5: Proposed Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.85	0.00	0.85	23.40	0.75	0.00	0.75
20.85	0.85	0.00	0.85	23.45	0.75	0.00	0.75
20.90	0.85	0.00	0.85	23.50	0.75	0.00	0.75
20.95	0.84	0.00	0.84	23.55	0.75	0.00	0.75
21.00	0.84	0.00	0.84	23.60	0.75	0.00	0.75
21.05	0.84	0.00	0.84	23.65	0.74	0.00	0.74
21.10	0.84	0.00	0.84	23.70	0.74	0.00	0.74
21.15	0.84	0.00	0.84	23.75	0.74	0.00	0.74
21.20	0.83	0.00	0.83	23.80	0.74	0.00	0.74
21.25	0.83	0.00	0.83	23.85	0.74	0.00	0.74
21.30	0.83	0.00	0.83	23.90	0.74	0.00	0.74
21.35	0.83	0.00	0.83	23.95	0.74	0.00	0.74
21.40	0.83	0.00	0.83	24.00	0.74	0.00	0.74
21.45	0.82	0.00	0.82	24.05	0.74	0.00	0.74
21.50	0.82	0.00	0.82	24.10	0.72	0.00	0.72
21.55	0.82	0.00	0.82	24.15	0.69	0.00	0.69
21.60	0.82	0.00	0.82	24.20	0.67	0.00	0.67
21.65	0.82	0.00	0.82	24.25	0.66	0.00	0.66
21.70	0.81	0.00	0.81	24.30	0.66	0.00	0.66
21.75	0.81	0.00	0.81	24.35	0.65	0.00	0.65
21.80	0.81	0.00	0.81	24.40	0.65	0.00	0.65
21.85	0.81	0.00	0.81	24.45	0.65	0.00	0.65
21.90	0.81	0.00	0.81	24.50	0.65	0.00	0.65
21.95	0.80	0.00	0.80	24.55	0.65	0.00	0.65
22.00	0.80	0.00	0.80	24.60	0.65	0.00	0.65
22.05	0.80	0.00	0.80	24.65	0.65	0.00	0.65
22.10	0.80	0.00	0.80	24.70	0.65	0.00	0.65
22.15	0.80	0.00	0.80	24.75	0.65	0.00	0.65
22.20	0.79	0.00	0.79	24.80	0.65	0.00	0.65
22.25	0.79	0.00	0.79	24.85	0.65	0.00	0.65
22.30	0.79	0.00	0.79	24.90	0.65	0.00	0.65
22.35	0.79	0.00	0.79	24.95	0.64	0.00	0.64
22.40	0.79	0.00	0.79	25.00	0.64	0.00	0.64
22.45	0.78	0.00	0.78	25.05	0.64	0.00	0.64
22.50	0.78	0.00	0.78	25.10	0.64	0.00	0.64
22.55	0.78	0.00	0.78	25.15	0.64	0.00	0.64
22.60	0.78	0.00	0.78	25.20	0.64	0.00	0.64
22.65	0.78	0.00	0.78	25.25	0.64	0.00	0.64
22.70	0.78	0.00	0.78	25.30	0.64	0.00	0.64
22.75	0.77	0.00	0.77	25.35	0.64	0.00	0.64
22.80	0.77	0.00	0.77	25.40	0.64	0.00	0.64
22.85	0.77	0.00	0.77	25.45	0.64	0.00	0.64
22.90	0.77	0.00	0.77	25.50	0.64	0.00	0.64
22.95	0.77	0.00	0.77	25.55	0.64	0.00	0.64
23.00	0.77	0.00	0.77	25.60	0.64	0.00	0.64
23.05	0.76	0.00	0.76	25.65	0.64	0.00	0.64
23.10	0.76	0.00	0.76	25.70	0.63	0.00	0.63
23.15	0.76	0.00	0.76	25.75	0.63	0.00	0.63
23.20	0.76	0.00	0.76	25.80	0.63	0.00	0.63
23.25	0.76	0.00	0.76	25.85	0.63	0.00	0.63
23.30	0.76	0.00	0.76	25.90	0.63	0.00	0.63
23.35	0.75	0.00	0.75	25.95	0.63	0.00	0.63

Hydrograph for Link PDA-5: Proposed Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.63	0.00	0.63	28.60	0.59	0.00	0.59
26.05	0.63	0.00	0.63	28.65	0.59	0.00	0.59
26.10	0.63	0.00	0.63	28.70	0.59	0.00	0.59
26.15	0.63	0.00	0.63	28.75	0.59	0.00	0.59
26.20	0.63	0.00	0.63	28.80	0.59	0.00	0.59
26.25	0.63	0.00	0.63	28.85	0.59	0.00	0.59
26.30	0.63	0.00	0.63	28.90	0.59	0.00	0.59
26.35	0.63	0.00	0.63	28.95	0.59	0.00	0.59
26.40	0.62	0.00	0.62	29.00	0.59	0.00	0.59
26.45	0.62	0.00	0.62	29.05	0.59	0.00	0.59
26.50	0.62	0.00	0.62	29.10	0.59	0.00	0.59
26.55	0.62	0.00	0.62	29.15	0.59	0.00	0.59
26.60	0.62	0.00	0.62	29.20	0.59	0.00	0.59
26.65	0.62	0.00	0.62	29.25	0.58	0.00	0.58
26.70	0.62	0.00	0.62	29.30	0.58	0.00	0.58
26.75	0.62	0.00	0.62	29.35	0.58	0.00	0.58
26.80	0.62	0.00	0.62	29.40	0.58	0.00	0.58
26.85	0.62	0.00	0.62	29.45	0.58	0.00	0.58
26.90	0.62	0.00	0.62	29.50	0.58	0.00	0.58
26.95	0.62	0.00	0.62	29.55	0.58	0.00	0.58
27.00	0.62	0.00	0.62	29.60	0.58	0.00	0.58
27.05	0.62	0.00	0.62	29.65	0.58	0.00	0.58
27.10	0.62	0.00	0.62	29.70	0.58	0.00	0.58
27.15	0.61	0.00	0.61	29.75	0.58	0.00	0.58
27.20	0.61	0.00	0.61	29.80	0.58	0.00	0.58
27.25	0.61	0.00	0.61	29.85	0.58	0.00	0.58
27.30	0.61	0.00	0.61	29.90	0.58	0.00	0.58
27.35	0.61	0.00	0.61	29.95	0.57	0.00	0.57
27.40	0.61	0.00	0.61	30.00	0.57	0.00	0.57
27.45	0.61	0.00	0.61	30.05	0.57	0.00	0.57
27.50	0.61	0.00	0.61	30.10	0.57	0.00	0.57
27.55	0.61	0.00	0.61	30.15	0.57	0.00	0.57
27.60	0.61	0.00	0.61	30.20	0.57	0.00	0.57
27.65	0.61	0.00	0.61	30.25	0.57	0.00	0.57
27.70	0.61	0.00	0.61	30.30	0.57	0.00	0.57
27.75	0.61	0.00	0.61	30.35	0.57	0.00	0.57
27.80	0.61	0.00	0.61	30.40	0.57	0.00	0.57
27.85	0.60	0.00	0.60	30.45	0.57	0.00	0.57
27.90	0.60	0.00	0.60	30.50	0.57	0.00	0.57
27.95	0.60	0.00	0.60	30.55	0.57	0.00	0.57
28.00	0.60	0.00	0.60	30.60	0.57	0.00	0.57
28.05	0.60	0.00	0.60	30.65	0.56	0.00	0.56
28.10	0.60	0.00	0.60	30.70	0.56	0.00	0.56
28.15	0.60	0.00	0.60	30.75	0.56	0.00	0.56
28.20	0.60	0.00	0.60	30.80	0.56	0.00	0.56
28.25	0.60	0.00	0.60	30.85	0.56	0.00	0.56
28.30	0.60	0.00	0.60	30.90	0.56	0.00	0.56
28.35	0.60	0.00	0.60	30.95	0.56	0.00	0.56
28.40	0.60	0.00	0.60	31.00	0.56	0.00	0.56
28.45	0.60	0.00	0.60	31.05	0.56	0.00	0.56
28.50	0.60	0.00	0.60	31.10	0.56	0.00	0.56
28.55	0.59	0.00	0.59	31.15	0.56	0.00	0.56

Hydrograph for Link PDA-5: Proposed Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.56	0.00	0.56	33.80	0.52	0.00	0.52
31.25	0.56	0.00	0.56	33.85	0.52	0.00	0.52
31.30	0.56	0.00	0.56	33.90	0.52	0.00	0.52
31.35	0.55	0.00	0.55	33.95	0.52	0.00	0.52
31.40	0.55	0.00	0.55	34.00	0.52	0.00	0.52
31.45	0.55	0.00	0.55	34.05	0.52	0.00	0.52
31.50	0.55	0.00	0.55	34.10	0.51	0.00	0.51
31.55	0.55	0.00	0.55	34.15	0.51	0.00	0.51
31.60	0.55	0.00	0.55	34.20	0.51	0.00	0.51
31.65	0.55	0.00	0.55	34.25	0.51	0.00	0.51
31.70	0.55	0.00	0.55	34.30	0.51	0.00	0.51
31.75	0.55	0.00	0.55	34.35	0.51	0.00	0.51
31.80	0.55	0.00	0.55	34.40	0.51	0.00	0.51
31.85	0.55	0.00	0.55	34.45	0.51	0.00	0.51
31.90	0.55	0.00	0.55	34.50	0.51	0.00	0.51
31.95	0.55	0.00	0.55	34.55	0.51	0.00	0.51
32.00	0.55	0.00	0.55	34.60	0.51	0.00	0.51
32.05	0.54	0.00	0.54	34.65	0.51	0.00	0.51
32.10	0.54	0.00	0.54	34.70	0.51	0.00	0.51
32.15	0.54	0.00	0.54	34.75	0.51	0.00	0.51
32.20	0.54	0.00	0.54	34.80	0.50	0.00	0.50
32.25	0.54	0.00	0.54	34.85	0.50	0.00	0.50
32.30	0.54	0.00	0.54	34.90	0.50	0.00	0.50
32.35	0.54	0.00	0.54	34.95	0.50	0.00	0.50
32.40	0.54	0.00	0.54	35.00	0.50	0.00	0.50
32.45	0.54	0.00	0.54	35.05	0.50	0.00	0.50
32.50	0.54	0.00	0.54	35.10	0.50	0.00	0.50
32.55	0.54	0.00	0.54	35.15	0.50	0.00	0.50
32.60	0.54	0.00	0.54	35.20	0.50	0.00	0.50
32.65	0.54	0.00	0.54	35.25	0.50	0.00	0.50
32.70	0.54	0.00	0.54	35.30	0.50	0.00	0.50
32.75	0.53	0.00	0.53	35.35	0.50	0.00	0.50
32.80	0.53	0.00	0.53	35.40	0.50	0.00	0.50
32.85	0.53	0.00	0.53	35.45	0.49	0.00	0.49
32.90	0.53	0.00	0.53	35.50	0.49	0.00	0.49
32.95	0.53	0.00	0.53	35.55	0.49	0.00	0.49
33.00	0.53	0.00	0.53	35.60	0.49	0.00	0.49
33.05	0.53	0.00	0.53	35.65	0.49	0.00	0.49
33.10	0.53	0.00	0.53	35.70	0.49	0.00	0.49
33.15	0.53	0.00	0.53	35.75	0.49	0.00	0.49
33.20	0.53	0.00	0.53	35.80	0.49	0.00	0.49
33.25	0.53	0.00	0.53	35.85	0.49	0.00	0.49
33.30	0.53	0.00	0.53	35.90	0.49	0.00	0.49
33.35	0.53	0.00	0.53	35.95	0.49	0.00	0.49
33.40	0.53	0.00	0.53	36.00	0.49	0.00	0.49
33.45	0.52	0.00	0.52	36.05	0.49	0.00	0.49
33.50	0.52	0.00	0.52	36.10	0.49	0.00	0.49
33.55	0.52	0.00	0.52	36.15	0.48	0.00	0.48
33.60	0.52	0.00	0.52	36.20	0.48	0.00	0.48
33.65	0.52	0.00	0.52	36.25	0.48	0.00	0.48
33.70	0.52	0.00	0.52	36.30	0.48	0.00	0.48
33.75	0.52	0.00	0.52	36.35	0.48	0.00	0.48

Hydrograph for Link PDA-5: Proposed Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.48	0.00	0.48
36.45	0.48	0.00	0.48
36.50	0.48	0.00	0.48
36.55	0.48	0.00	0.48
36.60	0.48	0.00	0.48
36.65	0.48	0.00	0.48
36.70	0.48	0.00	0.48
36.75	0.48	0.00	0.48
36.80	0.47	0.00	0.47
36.85	0.47	0.00	0.47
36.90	0.47	0.00	0.47
36.95	0.47	0.00	0.47
37.00	0.47	0.00	0.47
37.05	0.47	0.00	0.47
37.10	0.47	0.00	0.47
37.15	0.47	0.00	0.47
37.20	0.47	0.00	0.47
37.25	0.47	0.00	0.47
37.30	0.47	0.00	0.47
37.35	0.47	0.00	0.47
37.40	0.47	0.00	0.47
37.45	0.46	0.00	0.46
37.50	0.46	0.00	0.46
37.55	0.46	0.00	0.46
37.60	0.46	0.00	0.46
37.65	0.46	0.00	0.46
37.70	0.46	0.00	0.46
37.75	0.46	0.00	0.46
37.80	0.46	0.00	0.46
37.85	0.46	0.00	0.46
37.90	0.46	0.00	0.46
37.95	0.46	0.00	0.46
38.00	0.46	0.00	0.46
38.05	0.46	0.00	0.46
38.10	0.46	0.00	0.46
38.15	0.45	0.00	0.45
38.20	0.45	0.00	0.45
38.25	0.45	0.00	0.45
38.30	0.45	0.00	0.45
38.35	0.45	0.00	0.45
38.40	0.45	0.00	0.45
38.45	0.45	0.00	0.45
38.50	0.45	0.00	0.45
38.55	0.45	0.00	0.45
38.60	0.45	0.00	0.45
38.65	0.45	0.00	0.45
38.70	0.45	0.00	0.45
38.75	0.45	0.00	0.45
38.80	0.44	0.00	0.44
38.85	0.44	0.00	0.44
38.90	0.44	0.00	0.44
38.95	0.44	0.00	0.44
39.00	0.44	0.00	0.44
39.05	0.44	0.00	0.44
39.10	0.44	0.00	0.44
39.15	0.44	0.00	0.44
39.20	0.44	0.00	0.44
39.25	0.44	0.00	0.44
39.30	0.44	0.00	0.44
39.35	0.44	0.00	0.44
39.40	0.44	0.00	0.44
39.45	0.43	0.00	0.43
39.50	0.43	0.00	0.43
39.55	0.43	0.00	0.43
39.60	0.43	0.00	0.43
39.65	0.43	0.00	0.43
39.70	0.43	0.00	0.43
39.75	0.43	0.00	0.43
39.80	0.43	0.00	0.43
39.85	0.43	0.00	0.43
39.90	0.43	0.00	0.43
39.95	0.43	0.00	0.43
40.00	0.43	0.00	0.43

Summary for Subcatchment 48I: PDA-48 (impervious)

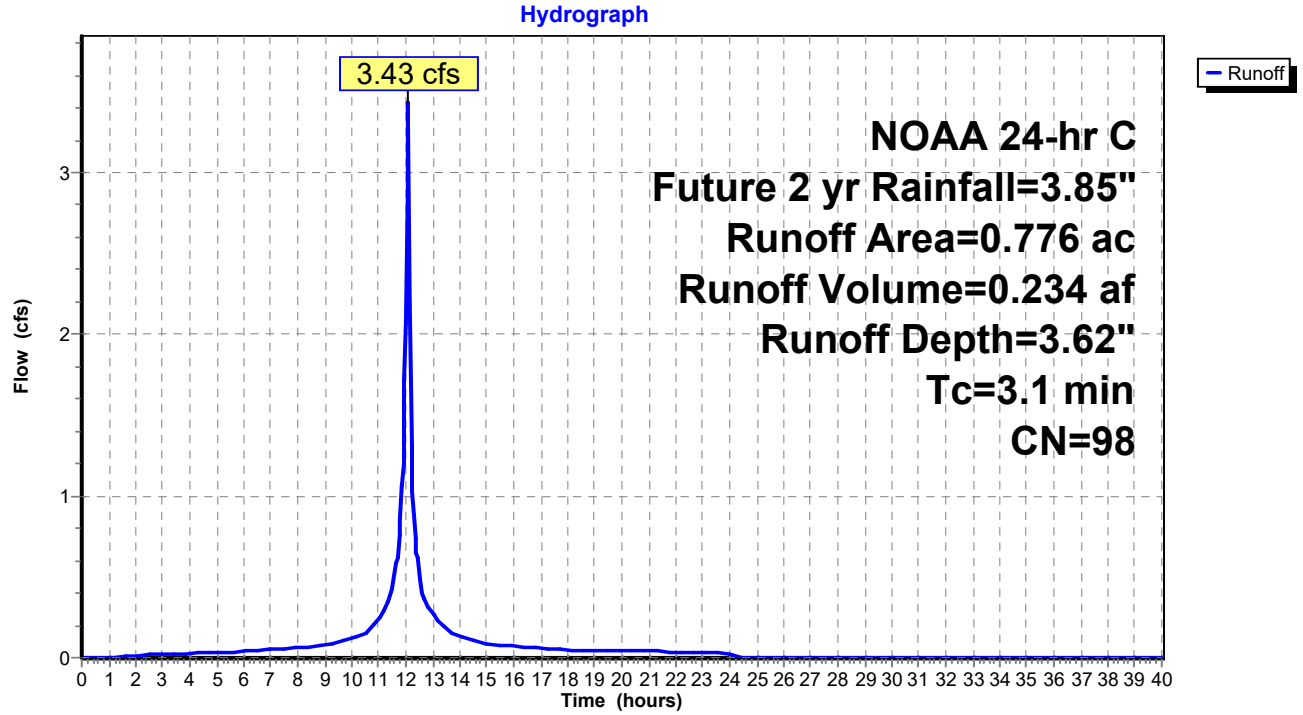
Runoff = 3.43 cfs @ 12.09 hrs, Volume= 0.234 af, Depth= 3.62"
Routed to Pond B-48 : Basin #48

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

	Area (ac)	CN	Description
*	0.235	98	Pavement, HSG C
*	0.522	98	Roof, HSG C
*	0.019	98	Concrete, HSG C
	0.776	98	Weighted Average
	0.776		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.1					**Direct Entry,**

Subcatchment 48I: PDA-48 (impervious)



Hydrograph for Subcatchment 48I: PDA-48 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.02	0.02
0.05	0.00	0.00	0.00	2.65	0.12	0.02	0.02
0.10	0.00	0.00	0.00	2.70	0.12	0.02	0.02
0.15	0.01	0.00	0.00	2.75	0.12	0.02	0.02
0.20	0.01	0.00	0.00	2.80	0.13	0.02	0.02
0.25	0.01	0.00	0.00	2.85	0.13	0.03	0.02
0.30	0.01	0.00	0.00	2.90	0.13	0.03	0.02
0.35	0.01	0.00	0.00	2.95	0.13	0.03	0.02
0.40	0.02	0.00	0.00	3.00	0.14	0.03	0.02
0.45	0.02	0.00	0.00	3.05	0.14	0.03	0.02
0.50	0.02	0.00	0.00	3.10	0.14	0.03	0.02
0.55	0.02	0.00	0.00	3.15	0.14	0.03	0.02
0.60	0.03	0.00	0.00	3.20	0.15	0.04	0.02
0.65	0.03	0.00	0.00	3.25	0.15	0.04	0.02
0.70	0.03	0.00	0.00	3.30	0.15	0.04	0.02
0.75	0.03	0.00	0.00	3.35	0.15	0.04	0.02
0.80	0.03	0.00	0.00	3.40	0.16	0.04	0.02
0.85	0.04	0.00	0.00	3.45	0.16	0.04	0.02
0.90	0.04	0.00	0.00	3.50	0.16	0.04	0.02
0.95	0.04	0.00	0.00	3.55	0.16	0.05	0.02
1.00	0.04	0.00	0.00	3.60	0.17	0.05	0.03
1.05	0.04	0.00	0.00	3.65	0.17	0.05	0.03
1.10	0.05	0.00	0.00	3.70	0.17	0.05	0.03
1.15	0.05	0.00	0.00	3.75	0.17	0.05	0.03
1.20	0.05	0.00	0.00	3.80	0.18	0.05	0.03
1.25	0.05	0.00	0.00	3.85	0.18	0.06	0.03
1.30	0.06	0.00	0.00	3.90	0.18	0.06	0.03
1.35	0.06	0.00	0.00	3.95	0.19	0.06	0.03
1.40	0.06	0.00	0.01	4.00	0.19	0.06	0.03
1.45	0.06	0.00	0.01	4.05	0.19	0.06	0.03
1.50	0.06	0.00	0.01	4.10	0.19	0.07	0.03
1.55	0.07	0.00	0.01	4.15	0.20	0.07	0.03
1.60	0.07	0.00	0.01	4.20	0.20	0.07	0.03
1.65	0.07	0.00	0.01	4.25	0.20	0.07	0.03
1.70	0.07	0.00	0.01	4.30	0.20	0.07	0.03
1.75	0.08	0.01	0.01	4.35	0.21	0.08	0.03
1.80	0.08	0.01	0.01	4.40	0.21	0.08	0.03
1.85	0.08	0.01	0.01	4.45	0.21	0.08	0.03
1.90	0.08	0.01	0.01	4.50	0.22	0.08	0.03
1.95	0.08	0.01	0.01	4.55	0.22	0.08	0.03
2.00	0.09	0.01	0.01	4.60	0.22	0.09	0.03
2.05	0.09	0.01	0.01	4.65	0.22	0.09	0.03
2.10	0.09	0.01	0.01	4.70	0.23	0.09	0.03
2.15	0.09	0.01	0.01	4.75	0.23	0.09	0.03
2.20	0.10	0.01	0.01	4.80	0.23	0.09	0.03
2.25	0.10	0.01	0.01	4.85	0.24	0.10	0.03
2.30	0.10	0.01	0.01	4.90	0.24	0.10	0.03
2.35	0.10	0.01	0.02	4.95	0.24	0.10	0.03
2.40	0.11	0.02	0.02	5.00	0.24	0.10	0.03
2.45	0.11	0.02	0.02	5.05	0.25	0.10	0.03
2.50	0.11	0.02	0.02	5.10	0.25	0.11	0.03
2.55	0.11	0.02	0.02	5.15	0.25	0.11	0.03

Hydrograph for Subcatchment 48I: PDA-48 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.11	0.04	7.80	0.44	0.27	0.06
5.25	0.26	0.11	0.04	7.85	0.45	0.27	0.06
5.30	0.26	0.12	0.04	7.90	0.45	0.27	0.06
5.35	0.27	0.12	0.04	7.95	0.46	0.28	0.06
5.40	0.27	0.12	0.04	8.00	0.46	0.28	0.06
5.45	0.27	0.12	0.04	8.05	0.47	0.29	0.07
5.50	0.27	0.12	0.04	8.10	0.47	0.29	0.07
5.55	0.28	0.13	0.04	8.15	0.48	0.30	0.07
5.60	0.28	0.13	0.04	8.20	0.48	0.30	0.07
5.65	0.28	0.13	0.04	8.25	0.49	0.30	0.07
5.70	0.29	0.13	0.04	8.30	0.49	0.31	0.07
5.75	0.29	0.14	0.04	8.35	0.49	0.31	0.07
5.80	0.29	0.14	0.04	8.40	0.50	0.32	0.07
5.85	0.30	0.14	0.04	8.45	0.50	0.32	0.07
5.90	0.30	0.14	0.04	8.50	0.51	0.33	0.07
5.95	0.30	0.15	0.04	8.55	0.51	0.33	0.07
6.00	0.31	0.15	0.04	8.60	0.52	0.34	0.07
6.05	0.31	0.15	0.04	8.65	0.53	0.34	0.07
6.10	0.31	0.15	0.04	8.70	0.53	0.35	0.07
6.15	0.31	0.16	0.04	8.75	0.54	0.35	0.07
6.20	0.32	0.16	0.04	8.80	0.54	0.36	0.07
6.25	0.32	0.16	0.04	8.85	0.55	0.36	0.08
6.30	0.32	0.17	0.04	8.90	0.55	0.36	0.08
6.35	0.33	0.17	0.04	8.95	0.56	0.37	0.08
6.40	0.33	0.17	0.04	9.00	0.56	0.37	0.08
6.45	0.33	0.17	0.04	9.05	0.57	0.38	0.08
6.50	0.34	0.18	0.05	9.10	0.57	0.39	0.08
6.55	0.34	0.18	0.05	9.15	0.58	0.39	0.08
6.60	0.35	0.18	0.05	9.20	0.59	0.40	0.09
6.65	0.35	0.19	0.05	9.25	0.59	0.40	0.09
6.70	0.35	0.19	0.05	9.30	0.60	0.41	0.09
6.75	0.36	0.19	0.05	9.35	0.60	0.41	0.09
6.80	0.36	0.19	0.05	9.40	0.61	0.42	0.10
6.85	0.36	0.20	0.05	9.45	0.62	0.43	0.10
6.90	0.37	0.20	0.05	9.50	0.62	0.43	0.10
6.95	0.37	0.20	0.05	9.55	0.63	0.44	0.10
7.00	0.38	0.21	0.05	9.60	0.64	0.45	0.10
7.05	0.38	0.21	0.05	9.65	0.65	0.45	0.11
7.10	0.38	0.21	0.05	9.70	0.65	0.46	0.11
7.15	0.39	0.22	0.05	9.75	0.66	0.47	0.11
7.20	0.39	0.22	0.05	9.80	0.67	0.47	0.11
7.25	0.40	0.23	0.05	9.85	0.68	0.48	0.12
7.30	0.40	0.23	0.06	9.90	0.69	0.49	0.12
7.35	0.40	0.23	0.06	9.95	0.69	0.50	0.12
7.40	0.41	0.24	0.06	10.00	0.70	0.51	0.12
7.45	0.41	0.24	0.06	10.05	0.71	0.51	0.12
7.50	0.42	0.24	0.06	10.10	0.72	0.52	0.13
7.55	0.42	0.25	0.06	10.15	0.73	0.53	0.13
7.60	0.43	0.25	0.06	10.20	0.74	0.54	0.13
7.65	0.43	0.25	0.06	10.25	0.75	0.55	0.13
7.70	0.43	0.26	0.06	10.30	0.76	0.56	0.14
7.75	0.44	0.26	0.06	10.35	0.76	0.56	0.14

Hydrograph for Subcatchment 48I: PDA-48 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.57	0.14	13.00	2.93	2.69	0.27
10.45	0.78	0.58	0.14	13.05	2.94	2.71	0.25
10.50	0.79	0.59	0.15	13.10	2.96	2.73	0.24
10.55	0.80	0.60	0.15	13.15	2.97	2.74	0.23
10.60	0.82	0.61	0.16	13.20	2.98	2.75	0.22
10.65	0.83	0.62	0.17	13.25	3.00	2.77	0.21
10.70	0.84	0.64	0.18	13.30	3.01	2.78	0.20
10.75	0.85	0.65	0.19	13.35	3.02	2.79	0.19
10.80	0.87	0.66	0.20	13.40	3.03	2.80	0.19
10.85	0.88	0.67	0.21	13.45	3.05	2.81	0.18
10.90	0.89	0.69	0.21	13.50	3.06	2.82	0.17
10.95	0.91	0.70	0.22	13.55	3.07	2.83	0.16
11.00	0.92	0.72	0.23	13.60	3.08	2.84	0.15
11.05	0.94	0.73	0.25	13.65	3.09	2.85	0.15
11.10	0.96	0.75	0.26	13.70	3.09	2.86	0.15
11.15	0.98	0.77	0.28	13.75	3.10	2.87	0.14
11.20	1.00	0.79	0.29	13.80	3.11	2.88	0.14
11.25	1.02	0.81	0.31	13.85	3.12	2.89	0.14
11.30	1.04	0.83	0.33	13.90	3.13	2.90	0.14
11.35	1.06	0.85	0.34	13.95	3.14	2.91	0.14
11.40	1.09	0.88	0.36	14.00	3.15	2.92	0.13
11.45	1.11	0.90	0.37	14.05	3.16	2.92	0.13
11.50	1.14	0.92	0.39	14.10	3.16	2.93	0.13
11.55	1.18	0.96	0.50	14.15	3.17	2.94	0.13
11.60	1.22	1.00	0.59	14.20	3.18	2.95	0.12
11.65	1.26	1.04	0.61	14.25	3.19	2.96	0.12
11.70	1.30	1.08	0.63	14.30	3.20	2.96	0.12
11.75	1.35	1.14	0.76	14.35	3.20	2.97	0.12
11.80	1.41	1.19	0.86	14.40	3.21	2.98	0.12
11.85	1.49	1.27	1.06	14.45	3.22	2.99	0.11
11.90	1.57	1.34	1.20	14.50	3.23	2.99	0.11
11.95	1.70	1.48	1.70	14.55	3.23	3.00	0.11
12.00	1.83	1.61	2.06	14.60	3.24	3.01	0.11
12.05	2.06	1.83	2.88	14.65	3.25	3.01	0.10
12.10	2.28	2.06	**3.39**	14.70	3.25	3.02	0.10
12.15	2.36	2.13	2.18	14.75	3.26	3.03	0.10
12.20	2.44	2.21	1.31	14.80	3.26	3.03	0.10
12.25	2.50	2.27	1.02	14.85	3.27	3.04	0.10
12.30	2.55	2.32	0.88	14.90	3.28	3.04	0.09
12.35	2.59	2.36	0.74	14.95	3.28	3.05	0.09
12.40	2.63	2.40	0.65	15.00	3.29	3.05	0.09
12.45	2.67	2.44	0.62	15.05	3.29	3.06	0.09
12.50	2.71	2.48	0.60	15.10	3.30	3.07	0.08
12.55	2.74	2.51	0.48	15.15	3.30	3.07	0.08
12.60	2.76	2.53	0.40	15.20	3.31	3.08	0.08
12.65	2.79	2.56	0.38	15.25	3.31	3.08	0.08
12.70	2.81	2.58	0.37	15.30	3.32	3.09	0.08
12.75	2.83	2.60	0.35	15.35	3.32	3.09	0.08
12.80	2.85	2.62	0.34	15.40	3.33	3.10	0.08
12.85	2.87	2.64	0.32	15.45	3.34	3.10	0.08
12.90	2.89	2.66	0.30	15.50	3.34	3.11	0.08
12.95	2.91	2.68	0.28	15.55	3.35	3.11	0.08

Hydrograph for Subcatchment 48I: PDA-48 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	3.12	0.08	18.20	3.56	3.32	0.05
15.65	3.36	3.12	0.08	18.25	3.56	3.33	0.05
15.70	3.36	3.13	0.08	18.30	3.56	3.33	0.05
15.75	3.36	3.13	0.08	18.35	3.57	3.33	0.05
15.80	3.37	3.14	0.08	18.40	3.57	3.34	0.05
15.85	3.37	3.14	0.08	18.45	3.57	3.34	0.05
15.90	3.38	3.15	0.07	18.50	3.58	3.34	0.05
15.95	3.38	3.15	0.07	18.55	3.58	3.34	0.05
16.00	3.39	3.16	0.07	18.60	3.58	3.35	0.05
16.05	3.39	3.16	0.07	18.65	3.58	3.35	0.05
16.10	3.40	3.16	0.07	18.70	3.59	3.35	0.05
16.15	3.40	3.17	0.07	18.75	3.59	3.36	0.05
16.20	3.41	3.17	0.07	18.80	3.59	3.36	0.05
16.25	3.41	3.18	0.07	18.85	3.60	3.36	0.05
16.30	3.42	3.18	0.07	18.90	3.60	3.37	0.05
16.35	3.42	3.19	0.07	18.95	3.60	3.37	0.05
16.40	3.42	3.19	0.07	19.00	3.61	3.37	0.05
16.45	3.43	3.20	0.07	19.05	3.61	3.37	0.05
16.50	3.43	3.20	0.07	19.10	3.61	3.38	0.05
16.55	3.44	3.20	0.07	19.15	3.61	3.38	0.05
16.60	3.44	3.21	0.07	19.20	3.62	3.38	0.05
16.65	3.45	3.21	0.07	19.25	3.62	3.39	0.04
16.70	3.45	3.22	0.07	19.30	3.62	3.39	0.04
16.75	3.45	3.22	0.06	19.35	3.63	3.39	0.04
16.80	3.46	3.23	0.06	19.40	3.63	3.39	0.04
16.85	3.46	3.23	0.06	19.45	3.63	3.40	0.04
16.90	3.47	3.23	0.06	19.50	3.63	3.40	0.04
16.95	3.47	3.24	0.06	19.55	3.64	3.40	0.04
17.00	3.47	3.24	0.06	19.60	3.64	3.41	0.04
17.05	3.48	3.24	0.06	19.65	3.64	3.41	0.04
17.10	3.48	3.25	0.06	19.70	3.65	3.41	0.04
17.15	3.49	3.25	0.06	19.75	3.65	3.41	0.04
17.20	3.49	3.26	0.06	19.80	3.65	3.42	0.04
17.25	3.49	3.26	0.06	19.85	3.65	3.42	0.04
17.30	3.50	3.26	0.06	19.90	3.66	3.42	0.04
17.35	3.50	3.27	0.06	19.95	3.66	3.42	0.04
17.40	3.50	3.27	0.06	20.00	3.66	3.43	0.04
17.45	3.51	3.27	0.06	20.05	3.66	3.43	0.04
17.50	3.51	3.28	0.06	20.10	3.67	3.43	0.04
17.55	3.52	3.28	0.05	20.15	3.67	3.44	0.04
17.60	3.52	3.28	0.05	20.20	3.67	3.44	0.04
17.65	3.52	3.29	0.05	20.25	3.68	3.44	0.04
17.70	3.53	3.29	0.05	20.30	3.68	3.44	0.04
17.75	3.53	3.30	0.05	20.35	3.68	3.45	0.04
17.80	3.53	3.30	0.05	20.40	3.68	3.45	0.04
17.85	3.54	3.30	0.05	20.45	3.69	3.45	0.04
17.90	3.54	3.30	0.05	20.50	3.69	3.45	0.04
17.95	3.54	3.31	0.05	20.55	3.69	3.46	0.04
18.00	3.54	3.31	0.05	20.60	3.69	3.46	0.04
18.05	3.55	3.31	0.05	20.65	3.70	3.46	0.04
18.10	3.55	3.32	0.05	20.70	3.70	3.46	0.04
18.15	3.55	3.32	0.05	20.75	3.70	3.47	0.04

Hydrograph for Subcatchment 48I: PDA-48 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	3.47	0.04	23.40	3.82	3.59	0.03
20.85	3.71	3.47	0.04	23.45	3.83	3.59	0.03
20.90	3.71	3.47	0.04	23.50	3.83	3.59	0.03
20.95	3.71	3.48	0.04	23.55	3.83	3.60	0.03
21.00	3.71	3.48	0.04	23.60	3.83	3.60	0.03
21.05	3.72	3.48	0.04	23.65	3.84	3.60	0.03
21.10	3.72	3.49	0.04	23.70	3.84	3.60	0.03
21.15	3.72	3.49	0.04	23.75	3.84	3.60	0.03
21.20	3.72	3.49	0.04	23.80	3.84	3.61	0.03
21.25	3.73	3.49	0.04	23.85	3.84	3.61	0.03
21.30	3.73	3.50	0.04	23.90	3.85	3.61	0.03
21.35	3.73	3.50	0.04	23.95	3.85	3.61	0.04
21.40	3.73	3.50	0.04	24.00	**3.85**	**3.62**	0.04
21.45	3.74	3.50	0.04	24.05	3.85	3.62	0.02
21.50	3.74	3.50	0.04	24.10	3.85	3.62	0.00
21.55	3.74	3.51	0.04	24.15	3.85	3.62	0.00
21.60	3.74	3.51	0.04	24.20	3.85	3.62	0.00
21.65	3.75	3.51	0.04	24.25	3.85	3.62	0.00
21.70	3.75	3.51	0.04	24.30	3.85	3.62	0.00
21.75	3.75	3.52	0.04	24.35	3.85	3.62	0.00
21.80	3.75	3.52	0.04	24.40	3.85	3.62	0.00
21.85	3.76	3.52	0.04	24.45	3.85	3.62	0.00
21.90	3.76	3.52	0.04	24.50	3.85	3.62	0.00
21.95	3.76	3.53	0.04	24.55	3.85	3.62	0.00
22.00	3.76	3.53	0.04	24.60	3.85	3.62	0.00
22.05	3.77	3.53	0.04	24.65	3.85	3.62	0.00
22.10	3.77	3.53	0.04	24.70	3.85	3.62	0.00
22.15	3.77	3.54	0.04	24.75	3.85	3.62	0.00
22.20	3.77	3.54	0.04	24.80	3.85	3.62	0.00
22.25	3.77	3.54	0.04	24.85	3.85	3.62	0.00
22.30	3.78	3.54	0.04	24.90	3.85	3.62	0.00
22.35	3.78	3.54	0.04	24.95	3.85	3.62	0.00
22.40	3.78	3.55	0.04	25.00	3.85	3.62	0.00
22.45	3.78	3.55	0.04	25.05	3.85	3.62	0.00
22.50	3.79	3.55	0.04	25.10	3.85	3.62	0.00
22.55	3.79	3.55	0.04	25.15	3.85	3.62	0.00
22.60	3.79	3.56	0.04	25.20	3.85	3.62	0.00
22.65	3.79	3.56	0.03	25.25	3.85	3.62	0.00
22.70	3.79	3.56	0.03	25.30	3.85	3.62	0.00
22.75	3.80	3.56	0.03	25.35	3.85	3.62	0.00
22.80	3.80	3.56	0.03	25.40	3.85	3.62	0.00
22.85	3.80	3.57	0.03	25.45	3.85	3.62	0.00
22.90	3.80	3.57	0.03	25.50	3.85	3.62	0.00
22.95	3.81	3.57	0.03	25.55	3.85	3.62	0.00
23.00	3.81	3.57	0.03	25.60	3.85	3.62	0.00
23.05	3.81	3.58	0.03	25.65	3.85	3.62	0.00
23.10	3.81	3.58	0.03	25.70	3.85	3.62	0.00
23.15	3.81	3.58	0.03	25.75	3.85	3.62	0.00
23.20	3.82	3.58	0.03	25.80	3.85	3.62	0.00
23.25	3.82	3.58	0.03	25.85	3.85	3.62	0.00
23.30	3.82	3.59	0.03	25.90	3.85	3.62	0.00
23.35	3.82	3.59	0.03	25.95	3.85	3.62	0.00

Hydrograph for Subcatchment 48I: PDA-48 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	3.62	0.00	28.60	3.85	3.62	0.00
26.05	3.85	3.62	0.00	28.65	3.85	3.62	0.00
26.10	3.85	3.62	0.00	28.70	3.85	3.62	0.00
26.15	3.85	3.62	0.00	28.75	3.85	3.62	0.00
26.20	3.85	3.62	0.00	28.80	3.85	3.62	0.00
26.25	3.85	3.62	0.00	28.85	3.85	3.62	0.00
26.30	3.85	3.62	0.00	28.90	3.85	3.62	0.00
26.35	3.85	3.62	0.00	28.95	3.85	3.62	0.00
26.40	3.85	3.62	0.00	29.00	3.85	3.62	0.00
26.45	3.85	3.62	0.00	29.05	3.85	3.62	0.00
26.50	3.85	3.62	0.00	29.10	3.85	3.62	0.00
26.55	3.85	3.62	0.00	29.15	3.85	3.62	0.00
26.60	3.85	3.62	0.00	29.20	3.85	3.62	0.00
26.65	3.85	3.62	0.00	29.25	3.85	3.62	0.00
26.70	3.85	3.62	0.00	29.30	3.85	3.62	0.00
26.75	3.85	3.62	0.00	29.35	3.85	3.62	0.00
26.80	3.85	3.62	0.00	29.40	3.85	3.62	0.00
26.85	3.85	3.62	0.00	29.45	3.85	3.62	0.00
26.90	3.85	3.62	0.00	29.50	3.85	3.62	0.00
26.95	3.85	3.62	0.00	29.55	3.85	3.62	0.00
27.00	3.85	3.62	0.00	29.60	3.85	3.62	0.00
27.05	3.85	3.62	0.00	29.65	3.85	3.62	0.00
27.10	3.85	3.62	0.00	29.70	3.85	3.62	0.00
27.15	3.85	3.62	0.00	29.75	3.85	3.62	0.00
27.20	3.85	3.62	0.00	29.80	3.85	3.62	0.00
27.25	3.85	3.62	0.00	29.85	3.85	3.62	0.00
27.30	3.85	3.62	0.00	29.90	3.85	3.62	0.00
27.35	3.85	3.62	0.00	29.95	3.85	3.62	0.00
27.40	3.85	3.62	0.00	30.00	3.85	3.62	0.00
27.45	3.85	3.62	0.00	30.05	3.85	3.62	0.00
27.50	3.85	3.62	0.00	30.10	3.85	3.62	0.00
27.55	3.85	3.62	0.00	30.15	3.85	3.62	0.00
27.60	3.85	3.62	0.00	30.20	3.85	3.62	0.00
27.65	3.85	3.62	0.00	30.25	3.85	3.62	0.00
27.70	3.85	3.62	0.00	30.30	3.85	3.62	0.00
27.75	3.85	3.62	0.00	30.35	3.85	3.62	0.00
27.80	3.85	3.62	0.00	30.40	3.85	3.62	0.00
27.85	3.85	3.62	0.00	30.45	3.85	3.62	0.00
27.90	3.85	3.62	0.00	30.50	3.85	3.62	0.00
27.95	3.85	3.62	0.00	30.55	3.85	3.62	0.00
28.00	3.85	3.62	0.00	30.60	3.85	3.62	0.00
28.05	3.85	3.62	0.00	30.65	3.85	3.62	0.00
28.10	3.85	3.62	0.00	30.70	3.85	3.62	0.00
28.15	3.85	3.62	0.00	30.75	3.85	3.62	0.00
28.20	3.85	3.62	0.00	30.80	3.85	3.62	0.00
28.25	3.85	3.62	0.00	30.85	3.85	3.62	0.00
28.30	3.85	3.62	0.00	30.90	3.85	3.62	0.00
28.35	3.85	3.62	0.00	30.95	3.85	3.62	0.00
28.40	3.85	3.62	0.00	31.00	3.85	3.62	0.00
28.45	3.85	3.62	0.00	31.05	3.85	3.62	0.00
28.50	3.85	3.62	0.00	31.10	3.85	3.62	0.00
28.55	3.85	3.62	0.00	31.15	3.85	3.62	0.00

Hydrograph for Subcatchment 48I: PDA-48 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	3.62	0.00	33.80	3.85	3.62	0.00
31.25	3.85	3.62	0.00	33.85	3.85	3.62	0.00
31.30	3.85	3.62	0.00	33.90	3.85	3.62	0.00
31.35	3.85	3.62	0.00	33.95	3.85	3.62	0.00
31.40	3.85	3.62	0.00	34.00	3.85	3.62	0.00
31.45	3.85	3.62	0.00	34.05	3.85	3.62	0.00
31.50	3.85	3.62	0.00	34.10	3.85	3.62	0.00
31.55	3.85	3.62	0.00	34.15	3.85	3.62	0.00
31.60	3.85	3.62	0.00	34.20	3.85	3.62	0.00
31.65	3.85	3.62	0.00	34.25	3.85	3.62	0.00
31.70	3.85	3.62	0.00	34.30	3.85	3.62	0.00
31.75	3.85	3.62	0.00	34.35	3.85	3.62	0.00
31.80	3.85	3.62	0.00	34.40	3.85	3.62	0.00
31.85	3.85	3.62	0.00	34.45	3.85	3.62	0.00
31.90	3.85	3.62	0.00	34.50	3.85	3.62	0.00
31.95	3.85	3.62	0.00	34.55	3.85	3.62	0.00
32.00	3.85	3.62	0.00	34.60	3.85	3.62	0.00
32.05	3.85	3.62	0.00	34.65	3.85	3.62	0.00
32.10	3.85	3.62	0.00	34.70	3.85	3.62	0.00
32.15	3.85	3.62	0.00	34.75	3.85	3.62	0.00
32.20	3.85	3.62	0.00	34.80	3.85	3.62	0.00
32.25	3.85	3.62	0.00	34.85	3.85	3.62	0.00
32.30	3.85	3.62	0.00	34.90	3.85	3.62	0.00
32.35	3.85	3.62	0.00	34.95	3.85	3.62	0.00
32.40	3.85	3.62	0.00	35.00	3.85	3.62	0.00
32.45	3.85	3.62	0.00	35.05	3.85	3.62	0.00
32.50	3.85	3.62	0.00	35.10	3.85	3.62	0.00
32.55	3.85	3.62	0.00	35.15	3.85	3.62	0.00
32.60	3.85	3.62	0.00	35.20	3.85	3.62	0.00
32.65	3.85	3.62	0.00	35.25	3.85	3.62	0.00
32.70	3.85	3.62	0.00	35.30	3.85	3.62	0.00
32.75	3.85	3.62	0.00	35.35	3.85	3.62	0.00
32.80	3.85	3.62	0.00	35.40	3.85	3.62	0.00
32.85	3.85	3.62	0.00	35.45	3.85	3.62	0.00
32.90	3.85	3.62	0.00	35.50	3.85	3.62	0.00
32.95	3.85	3.62	0.00	35.55	3.85	3.62	0.00
33.00	3.85	3.62	0.00	35.60	3.85	3.62	0.00
33.05	3.85	3.62	0.00	35.65	3.85	3.62	0.00
33.10	3.85	3.62	0.00	35.70	3.85	3.62	0.00
33.15	3.85	3.62	0.00	35.75	3.85	3.62	0.00
33.20	3.85	3.62	0.00	35.80	3.85	3.62	0.00
33.25	3.85	3.62	0.00	35.85	3.85	3.62	0.00
33.30	3.85	3.62	0.00	35.90	3.85	3.62	0.00
33.35	3.85	3.62	0.00	35.95	3.85	3.62	0.00
33.40	3.85	3.62	0.00	36.00	3.85	3.62	0.00
33.45	3.85	3.62	0.00	36.05	3.85	3.62	0.00
33.50	3.85	3.62	0.00	36.10	3.85	3.62	0.00
33.55	3.85	3.62	0.00	36.15	3.85	3.62	0.00
33.60	3.85	3.62	0.00	36.20	3.85	3.62	0.00
33.65	3.85	3.62	0.00	36.25	3.85	3.62	0.00
33.70	3.85	3.62	0.00	36.30	3.85	3.62	0.00
33.75	3.85	3.62	0.00	36.35	3.85	3.62	0.00

Hydrograph for Subcatchment 48I: PDA-48 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	3.62	0.00
36.45	3.85	3.62	0.00
36.50	3.85	3.62	0.00
36.55	3.85	3.62	0.00
36.60	3.85	3.62	0.00
36.65	3.85	3.62	0.00
36.70	3.85	3.62	0.00
36.75	3.85	3.62	0.00
36.80	3.85	3.62	0.00
36.85	3.85	3.62	0.00
36.90	3.85	3.62	0.00
36.95	3.85	3.62	0.00
37.00	3.85	3.62	0.00
37.05	3.85	3.62	0.00
37.10	3.85	3.62	0.00
37.15	3.85	3.62	0.00
37.20	3.85	3.62	0.00
37.25	3.85	3.62	0.00
37.30	3.85	3.62	0.00
37.35	3.85	3.62	0.00
37.40	3.85	3.62	0.00
37.45	3.85	3.62	0.00
37.50	3.85	3.62	0.00
37.55	3.85	3.62	0.00
37.60	3.85	3.62	0.00
37.65	3.85	3.62	0.00
37.70	3.85	3.62	0.00
37.75	3.85	3.62	0.00
37.80	3.85	3.62	0.00
37.85	3.85	3.62	0.00
37.90	3.85	3.62	0.00
37.95	3.85	3.62	0.00
38.00	3.85	3.62	0.00
38.05	3.85	3.62	0.00
38.10	3.85	3.62	0.00
38.15	3.85	3.62	0.00
38.20	3.85	3.62	0.00
38.25	3.85	3.62	0.00
38.30	3.85	3.62	0.00
38.35	3.85	3.62	0.00
38.40	3.85	3.62	0.00
38.45	3.85	3.62	0.00
38.50	3.85	3.62	0.00
38.55	3.85	3.62	0.00
38.60	3.85	3.62	0.00
38.65	3.85	3.62	0.00
38.70	3.85	3.62	0.00
38.75	3.85	3.62	0.00
38.80	3.85	3.62	0.00
38.85	3.85	3.62	0.00
38.90	3.85	3.62	0.00
38.95	3.85	3.62	0.00
39.00	3.85	3.62	0.00
39.05	3.85	3.62	0.00
39.10	3.85	3.62	0.00
39.15	3.85	3.62	0.00
39.20	3.85	3.62	0.00
39.25	3.85	3.62	0.00
39.30	3.85	3.62	0.00
39.35	3.85	3.62	0.00
39.40	3.85	3.62	0.00
39.45	3.85	3.62	0.00
39.50	3.85	3.62	0.00
39.55	3.85	3.62	0.00
39.60	3.85	3.62	0.00
39.65	3.85	3.62	0.00
39.70	3.85	3.62	0.00
39.75	3.85	3.62	0.00
39.80	3.85	3.62	0.00
39.85	3.85	3.62	0.00
39.90	3.85	3.62	0.00
39.95	3.85	3.62	0.00
40.00	3.85	3.62	0.00

Summary for Subcatchment 48P: PDA-48 (pervious)

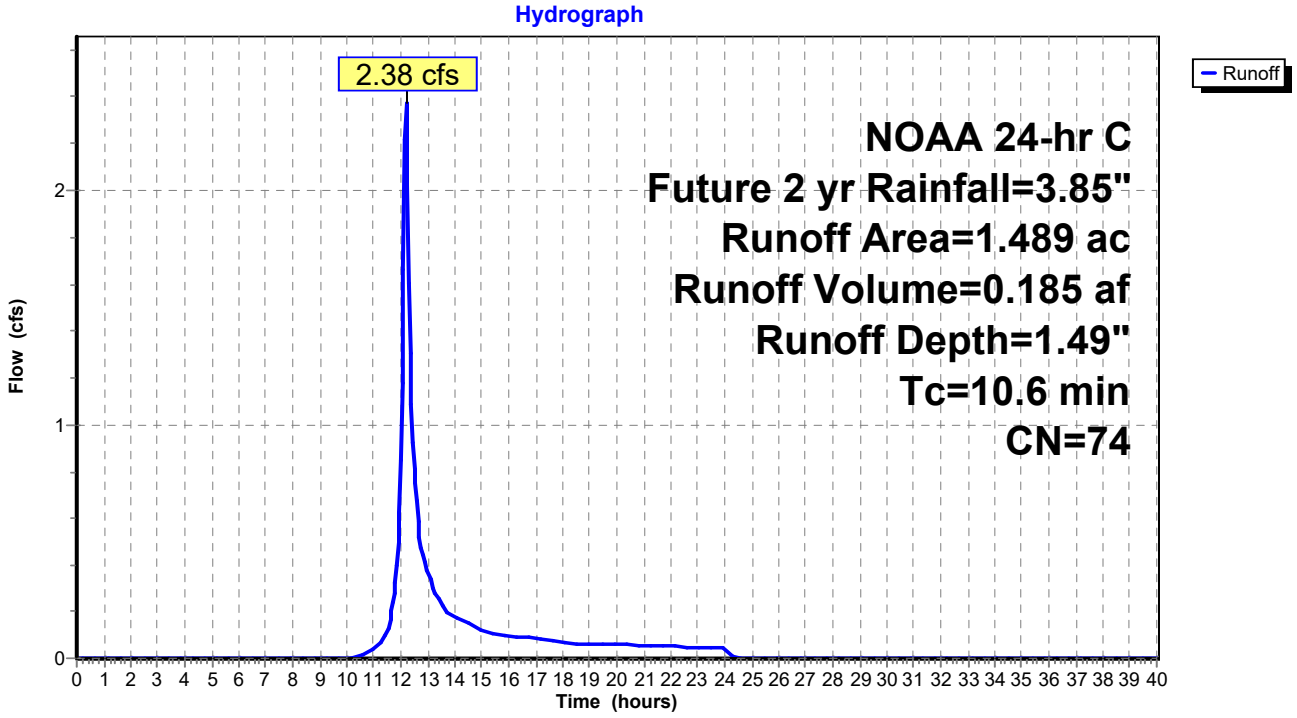
Runoff = 2.38 cfs @ 12.19 hrs, Volume= 0.185 af, Depth= 1.49"
Routed to Pond B-48 : Basin #48

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
1.489	74	>75% Grass cover, Good, HSG C
1.489		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.6					**Direct Entry,**

Subcatchment 48P: PDA-48 (pervious)



Hydrograph for Subcatchment 48P: PDA-48 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment 48P: PDA-48 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.00
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.00

Hydrograph for Subcatchment 48P: PDA-48 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.01	13.00	2.93	0.86	0.36
10.45	0.78	0.00	0.01	13.05	2.94	0.87	0.35
10.50	0.79	0.00	0.01	13.10	2.96	0.88	0.33
10.55	0.80	0.00	0.01	13.15	2.97	0.89	0.31
10.60	0.82	0.00	0.01	13.20	2.98	0.90	0.30
10.65	0.83	0.00	0.02	13.25	3.00	0.91	0.28
10.70	0.84	0.01	0.02	13.30	3.01	0.92	0.27
10.75	0.85	0.01	0.02	13.35	3.02	0.92	0.26
10.80	0.87	0.01	0.02	13.40	3.03	0.93	0.25
10.85	0.88	0.01	0.03	13.45	3.05	0.94	0.24
10.90	0.89	0.01	0.03	13.50	3.06	0.94	0.23
10.95	0.91	0.01	0.03	13.55	3.07	0.95	0.22
11.00	0.92	0.01	0.04	13.60	3.08	0.96	0.21
11.05	0.94	0.02	0.04	13.65	3.09	0.96	0.20
11.10	0.96	0.02	0.05	13.70	3.09	0.97	0.19
11.15	0.98	0.02	0.06	13.75	3.10	0.97	0.19
11.20	1.00	0.02	0.06	13.80	3.11	0.98	0.18
11.25	1.02	0.03	0.07	13.85	3.12	0.99	0.18
11.30	1.04	0.03	0.08	13.90	3.13	0.99	0.18
11.35	1.06	0.03	0.09	13.95	3.14	1.00	0.18
11.40	1.09	0.04	0.10	14.00	3.15	1.00	0.17
11.45	1.11	0.04	0.11	14.05	3.16	1.01	0.17
11.50	1.14	0.05	0.12	14.10	3.16	1.01	0.17
11.55	1.18	0.06	0.14	14.15	3.17	1.02	0.17
11.60	1.22	0.07	0.16	14.20	3.18	1.02	0.16
11.65	1.26	0.08	0.20	14.25	3.19	1.03	0.16
11.70	1.30	0.09	0.24	14.30	3.20	1.03	0.16
11.75	1.35	0.10	0.28	14.35	3.20	1.04	0.16
11.80	1.41	0.12	0.32	14.40	3.21	1.04	0.15
11.85	1.49	0.14	0.39	14.45	3.22	1.05	0.15
11.90	1.57	0.17	0.49	14.50	3.23	1.05	0.15
11.95	1.70	0.22	0.62	14.55	3.23	1.06	0.14
12.00	1.83	0.28	0.84	14.60	3.24	1.06	0.14
12.05	2.06	0.38	1.17	14.65	3.25	1.07	0.14
12.10	2.28	0.49	1.67	14.70	3.25	1.07	0.14
12.15	2.36	0.53	2.22	14.75	3.26	1.08	0.13
12.20	2.44	0.57	**2.37**	14.80	3.26	1.08	0.13
12.25	2.50	0.61	2.03	14.85	3.27	1.08	0.13
12.30	2.55	0.64	1.60	14.90	3.28	1.09	0.13
12.35	2.59	0.66	1.30	14.95	3.28	1.09	0.12
12.40	2.63	0.69	1.08	15.00	3.29	1.10	0.12
12.45	2.67	0.71	0.92	15.05	3.29	1.10	0.12
12.50	2.71	0.73	0.81	15.10	3.30	1.10	0.11
12.55	2.74	0.75	0.75	15.15	3.30	1.11	0.11
12.60	2.76	0.76	0.67	15.20	3.31	1.11	0.11
12.65	2.79	0.78	0.58	15.25	3.31	1.11	0.11
12.70	2.81	0.79	0.51	15.30	3.32	1.12	0.11
12.75	2.83	0.80	0.47	15.35	3.32	1.12	0.11
12.80	2.85	0.82	0.44	15.40	3.33	1.12	0.11
12.85	2.87	0.83	0.42	15.45	3.34	1.13	0.11
12.90	2.89	0.84	0.40	15.50	3.34	1.13	0.10
12.95	2.91	0.85	0.38	15.55	3.35	1.13	0.10

Hydrograph for Subcatchment 48P: PDA-48 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	1.14	0.10	18.20	3.56	1.28	0.07
15.65	3.36	1.14	0.10	18.25	3.56	1.28	0.06
15.70	3.36	1.14	0.10	18.30	3.56	1.28	0.06
15.75	3.36	1.15	0.10	18.35	3.57	1.29	0.06
15.80	3.37	1.15	0.10	18.40	3.57	1.29	0.06
15.85	3.37	1.15	0.10	18.45	3.57	1.29	0.06
15.90	3.38	1.16	0.10	18.50	3.58	1.29	0.06
15.95	3.38	1.16	0.10	18.55	3.58	1.29	0.06
16.00	3.39	1.16	0.10	18.60	3.58	1.30	0.06
16.05	3.39	1.17	0.10	18.65	3.58	1.30	0.06
16.10	3.40	1.17	0.10	18.70	3.59	1.30	0.06
16.15	3.40	1.17	0.10	18.75	3.59	1.30	0.06
16.20	3.41	1.18	0.09	18.80	3.59	1.30	0.06
16.25	3.41	1.18	0.09	18.85	3.60	1.31	0.06
16.30	3.42	1.18	0.09	18.90	3.60	1.31	0.06
16.35	3.42	1.19	0.09	18.95	3.60	1.31	0.06
16.40	3.42	1.19	0.09	19.00	3.61	1.31	0.06
16.45	3.43	1.19	0.09	19.05	3.61	1.32	0.06
16.50	3.43	1.19	0.09	19.10	3.61	1.32	0.06
16.55	3.44	1.20	0.09	19.15	3.61	1.32	0.06
16.60	3.44	1.20	0.09	19.20	3.62	1.32	0.06
16.65	3.45	1.20	0.09	19.25	3.62	1.32	0.06
16.70	3.45	1.21	0.09	19.30	3.62	1.33	0.06
16.75	3.45	1.21	0.09	19.35	3.63	1.33	0.06
16.80	3.46	1.21	0.09	19.40	3.63	1.33	0.06
16.85	3.46	1.21	0.09	19.45	3.63	1.33	0.06
16.90	3.47	1.22	0.08	19.50	3.63	1.33	0.06
16.95	3.47	1.22	0.08	19.55	3.64	1.34	0.06
17.00	3.47	1.22	0.08	19.60	3.64	1.34	0.06
17.05	3.48	1.22	0.08	19.65	3.64	1.34	0.06
17.10	3.48	1.23	0.08	19.70	3.65	1.34	0.06
17.15	3.49	1.23	0.08	19.75	3.65	1.34	0.06
17.20	3.49	1.23	0.08	19.80	3.65	1.34	0.06
17.25	3.49	1.24	0.08	19.85	3.65	1.35	0.06
17.30	3.50	1.24	0.08	19.90	3.66	1.35	0.06
17.35	3.50	1.24	0.08	19.95	3.66	1.35	0.06
17.40	3.50	1.24	0.08	20.00	3.66	1.35	0.06
17.45	3.51	1.25	0.08	20.05	3.66	1.35	0.06
17.50	3.51	1.25	0.08	20.10	3.67	1.36	0.06
17.55	3.52	1.25	0.07	20.15	3.67	1.36	0.06
17.60	3.52	1.25	0.07	20.20	3.67	1.36	0.06
17.65	3.52	1.26	0.07	20.25	3.68	1.36	0.06
17.70	3.53	1.26	0.07	20.30	3.68	1.36	0.06
17.75	3.53	1.26	0.07	20.35	3.68	1.37	0.06
17.80	3.53	1.26	0.07	20.40	3.68	1.37	0.06
17.85	3.54	1.26	0.07	20.45	3.69	1.37	0.06
17.90	3.54	1.27	0.07	20.50	3.69	1.37	0.06
17.95	3.54	1.27	0.07	20.55	3.69	1.37	0.06
18.00	3.54	1.27	0.07	20.60	3.69	1.38	0.06
18.05	3.55	1.27	0.07	20.65	3.70	1.38	0.06
18.10	3.55	1.28	0.07	20.70	3.70	1.38	0.06
18.15	3.55	1.28	0.07	20.75	3.70	1.38	0.06

Hydrograph for Subcatchment 48P: PDA-48 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	1.38	0.06	23.40	3.82	1.47	0.05
20.85	3.71	1.38	0.06	23.45	3.83	1.47	0.05
20.90	3.71	1.39	0.05	23.50	3.83	1.47	0.05
20.95	3.71	1.39	0.05	23.55	3.83	1.47	0.04
21.00	3.71	1.39	0.05	23.60	3.83	1.47	0.04
21.05	3.72	1.39	0.05	23.65	3.84	1.48	0.04
21.10	3.72	1.39	0.05	23.70	3.84	1.48	0.04
21.15	3.72	1.40	0.05	23.75	3.84	1.48	0.04
21.20	3.72	1.40	0.05	23.80	3.84	1.48	0.04
21.25	3.73	1.40	0.05	23.85	3.84	1.48	0.04
21.30	3.73	1.40	0.05	23.90	3.85	1.48	0.04
21.35	3.73	1.40	0.05	23.95	3.85	1.49	0.04
21.40	3.73	1.40	0.05	24.00	**3.85**	**1.49**	0.05
21.45	3.74	1.41	0.05	24.05	3.85	1.49	0.05
21.50	3.74	1.41	0.05	24.10	3.85	1.49	0.04
21.55	3.74	1.41	0.05	24.15	3.85	1.49	0.03
21.60	3.74	1.41	0.05	24.20	3.85	1.49	0.01
21.65	3.75	1.41	0.05	24.25	3.85	1.49	0.01
21.70	3.75	1.41	0.05	24.30	3.85	1.49	0.00
21.75	3.75	1.42	0.05	24.35	3.85	1.49	0.00
21.80	3.75	1.42	0.05	24.40	3.85	1.49	0.00
21.85	3.76	1.42	0.05	24.45	3.85	1.49	0.00
21.90	3.76	1.42	0.05	24.50	3.85	1.49	0.00
21.95	3.76	1.42	0.05	24.55	3.85	1.49	0.00
22.00	3.76	1.42	0.05	24.60	3.85	1.49	0.00
22.05	3.77	1.43	0.05	24.65	3.85	1.49	0.00
22.10	3.77	1.43	0.05	24.70	3.85	1.49	0.00
22.15	3.77	1.43	0.05	24.75	3.85	1.49	0.00
22.20	3.77	1.43	0.05	24.80	3.85	1.49	0.00
22.25	3.77	1.43	0.05	24.85	3.85	1.49	0.00
22.30	3.78	1.43	0.05	24.90	3.85	1.49	0.00
22.35	3.78	1.44	0.05	24.95	3.85	1.49	0.00
22.40	3.78	1.44	0.05	25.00	3.85	1.49	0.00
22.45	3.78	1.44	0.05	25.05	3.85	1.49	0.00
22.50	3.79	1.44	0.05	25.10	3.85	1.49	0.00
22.55	3.79	1.44	0.05	25.15	3.85	1.49	0.00
22.60	3.79	1.44	0.05	25.20	3.85	1.49	0.00
22.65	3.79	1.45	0.05	25.25	3.85	1.49	0.00
22.70	3.79	1.45	0.05	25.30	3.85	1.49	0.00
22.75	3.80	1.45	0.05	25.35	3.85	1.49	0.00
22.80	3.80	1.45	0.05	25.40	3.85	1.49	0.00
22.85	3.80	1.45	0.05	25.45	3.85	1.49	0.00
22.90	3.80	1.45	0.05	25.50	3.85	1.49	0.00
22.95	3.81	1.46	0.05	25.55	3.85	1.49	0.00
23.00	3.81	1.46	0.05	25.60	3.85	1.49	0.00
23.05	3.81	1.46	0.05	25.65	3.85	1.49	0.00
23.10	3.81	1.46	0.05	25.70	3.85	1.49	0.00
23.15	3.81	1.46	0.05	25.75	3.85	1.49	0.00
23.20	3.82	1.46	0.05	25.80	3.85	1.49	0.00
23.25	3.82	1.46	0.05	25.85	3.85	1.49	0.00
23.30	3.82	1.47	0.05	25.90	3.85	1.49	0.00
23.35	3.82	1.47	0.05	25.95	3.85	1.49	0.00

Hydrograph for Subcatchment 48P: PDA-48 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.49	0.00	28.60	3.85	1.49	0.00
26.05	3.85	1.49	0.00	28.65	3.85	1.49	0.00
26.10	3.85	1.49	0.00	28.70	3.85	1.49	0.00
26.15	3.85	1.49	0.00	28.75	3.85	1.49	0.00
26.20	3.85	1.49	0.00	28.80	3.85	1.49	0.00
26.25	3.85	1.49	0.00	28.85	3.85	1.49	0.00
26.30	3.85	1.49	0.00	28.90	3.85	1.49	0.00
26.35	3.85	1.49	0.00	28.95	3.85	1.49	0.00
26.40	3.85	1.49	0.00	29.00	3.85	1.49	0.00
26.45	3.85	1.49	0.00	29.05	3.85	1.49	0.00
26.50	3.85	1.49	0.00	29.10	3.85	1.49	0.00
26.55	3.85	1.49	0.00	29.15	3.85	1.49	0.00
26.60	3.85	1.49	0.00	29.20	3.85	1.49	0.00
26.65	3.85	1.49	0.00	29.25	3.85	1.49	0.00
26.70	3.85	1.49	0.00	29.30	3.85	1.49	0.00
26.75	3.85	1.49	0.00	29.35	3.85	1.49	0.00
26.80	3.85	1.49	0.00	29.40	3.85	1.49	0.00
26.85	3.85	1.49	0.00	29.45	3.85	1.49	0.00
26.90	3.85	1.49	0.00	29.50	3.85	1.49	0.00
26.95	3.85	1.49	0.00	29.55	3.85	1.49	0.00
27.00	3.85	1.49	0.00	29.60	3.85	1.49	0.00
27.05	3.85	1.49	0.00	29.65	3.85	1.49	0.00
27.10	3.85	1.49	0.00	29.70	3.85	1.49	0.00
27.15	3.85	1.49	0.00	29.75	3.85	1.49	0.00
27.20	3.85	1.49	0.00	29.80	3.85	1.49	0.00
27.25	3.85	1.49	0.00	29.85	3.85	1.49	0.00
27.30	3.85	1.49	0.00	29.90	3.85	1.49	0.00
27.35	3.85	1.49	0.00	29.95	3.85	1.49	0.00
27.40	3.85	1.49	0.00	30.00	3.85	1.49	0.00
27.45	3.85	1.49	0.00	30.05	3.85	1.49	0.00
27.50	3.85	1.49	0.00	30.10	3.85	1.49	0.00
27.55	3.85	1.49	0.00	30.15	3.85	1.49	0.00
27.60	3.85	1.49	0.00	30.20	3.85	1.49	0.00
27.65	3.85	1.49	0.00	30.25	3.85	1.49	0.00
27.70	3.85	1.49	0.00	30.30	3.85	1.49	0.00
27.75	3.85	1.49	0.00	30.35	3.85	1.49	0.00
27.80	3.85	1.49	0.00	30.40	3.85	1.49	0.00
27.85	3.85	1.49	0.00	30.45	3.85	1.49	0.00
27.90	3.85	1.49	0.00	30.50	3.85	1.49	0.00
27.95	3.85	1.49	0.00	30.55	3.85	1.49	0.00
28.00	3.85	1.49	0.00	30.60	3.85	1.49	0.00
28.05	3.85	1.49	0.00	30.65	3.85	1.49	0.00
28.10	3.85	1.49	0.00	30.70	3.85	1.49	0.00
28.15	3.85	1.49	0.00	30.75	3.85	1.49	0.00
28.20	3.85	1.49	0.00	30.80	3.85	1.49	0.00
28.25	3.85	1.49	0.00	30.85	3.85	1.49	0.00
28.30	3.85	1.49	0.00	30.90	3.85	1.49	0.00
28.35	3.85	1.49	0.00	30.95	3.85	1.49	0.00
28.40	3.85	1.49	0.00	31.00	3.85	1.49	0.00
28.45	3.85	1.49	0.00	31.05	3.85	1.49	0.00
28.50	3.85	1.49	0.00	31.10	3.85	1.49	0.00
28.55	3.85	1.49	0.00	31.15	3.85	1.49	0.00

Hydrograph for Subcatchment 48P: PDA-48 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.49	0.00	33.80	3.85	1.49	0.00
31.25	3.85	1.49	0.00	33.85	3.85	1.49	0.00
31.30	3.85	1.49	0.00	33.90	3.85	1.49	0.00
31.35	3.85	1.49	0.00	33.95	3.85	1.49	0.00
31.40	3.85	1.49	0.00	34.00	3.85	1.49	0.00
31.45	3.85	1.49	0.00	34.05	3.85	1.49	0.00
31.50	3.85	1.49	0.00	34.10	3.85	1.49	0.00
31.55	3.85	1.49	0.00	34.15	3.85	1.49	0.00
31.60	3.85	1.49	0.00	34.20	3.85	1.49	0.00
31.65	3.85	1.49	0.00	34.25	3.85	1.49	0.00
31.70	3.85	1.49	0.00	34.30	3.85	1.49	0.00
31.75	3.85	1.49	0.00	34.35	3.85	1.49	0.00
31.80	3.85	1.49	0.00	34.40	3.85	1.49	0.00
31.85	3.85	1.49	0.00	34.45	3.85	1.49	0.00
31.90	3.85	1.49	0.00	34.50	3.85	1.49	0.00
31.95	3.85	1.49	0.00	34.55	3.85	1.49	0.00
32.00	3.85	1.49	0.00	34.60	3.85	1.49	0.00
32.05	3.85	1.49	0.00	34.65	3.85	1.49	0.00
32.10	3.85	1.49	0.00	34.70	3.85	1.49	0.00
32.15	3.85	1.49	0.00	34.75	3.85	1.49	0.00
32.20	3.85	1.49	0.00	34.80	3.85	1.49	0.00
32.25	3.85	1.49	0.00	34.85	3.85	1.49	0.00
32.30	3.85	1.49	0.00	34.90	3.85	1.49	0.00
32.35	3.85	1.49	0.00	34.95	3.85	1.49	0.00
32.40	3.85	1.49	0.00	35.00	3.85	1.49	0.00
32.45	3.85	1.49	0.00	35.05	3.85	1.49	0.00
32.50	3.85	1.49	0.00	35.10	3.85	1.49	0.00
32.55	3.85	1.49	0.00	35.15	3.85	1.49	0.00
32.60	3.85	1.49	0.00	35.20	3.85	1.49	0.00
32.65	3.85	1.49	0.00	35.25	3.85	1.49	0.00
32.70	3.85	1.49	0.00	35.30	3.85	1.49	0.00
32.75	3.85	1.49	0.00	35.35	3.85	1.49	0.00
32.80	3.85	1.49	0.00	35.40	3.85	1.49	0.00
32.85	3.85	1.49	0.00	35.45	3.85	1.49	0.00
32.90	3.85	1.49	0.00	35.50	3.85	1.49	0.00
32.95	3.85	1.49	0.00	35.55	3.85	1.49	0.00
33.00	3.85	1.49	0.00	35.60	3.85	1.49	0.00
33.05	3.85	1.49	0.00	35.65	3.85	1.49	0.00
33.10	3.85	1.49	0.00	35.70	3.85	1.49	0.00
33.15	3.85	1.49	0.00	35.75	3.85	1.49	0.00
33.20	3.85	1.49	0.00	35.80	3.85	1.49	0.00
33.25	3.85	1.49	0.00	35.85	3.85	1.49	0.00
33.30	3.85	1.49	0.00	35.90	3.85	1.49	0.00
33.35	3.85	1.49	0.00	35.95	3.85	1.49	0.00
33.40	3.85	1.49	0.00	36.00	3.85	1.49	0.00
33.45	3.85	1.49	0.00	36.05	3.85	1.49	0.00
33.50	3.85	1.49	0.00	36.10	3.85	1.49	0.00
33.55	3.85	1.49	0.00	36.15	3.85	1.49	0.00
33.60	3.85	1.49	0.00	36.20	3.85	1.49	0.00
33.65	3.85	1.49	0.00	36.25	3.85	1.49	0.00
33.70	3.85	1.49	0.00	36.30	3.85	1.49	0.00
33.75	3.85	1.49	0.00	36.35	3.85	1.49	0.00

Hydrograph for Subcatchment 48P: PDA-48 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.49	0.00
36.45	3.85	1.49	0.00
36.50	3.85	1.49	0.00
36.55	3.85	1.49	0.00
36.60	3.85	1.49	0.00
36.65	3.85	1.49	0.00
36.70	3.85	1.49	0.00
36.75	3.85	1.49	0.00
36.80	3.85	1.49	0.00
36.85	3.85	1.49	0.00
36.90	3.85	1.49	0.00
36.95	3.85	1.49	0.00
37.00	3.85	1.49	0.00
37.05	3.85	1.49	0.00
37.10	3.85	1.49	0.00
37.15	3.85	1.49	0.00
37.20	3.85	1.49	0.00
37.25	3.85	1.49	0.00
37.30	3.85	1.49	0.00
37.35	3.85	1.49	0.00
37.40	3.85	1.49	0.00
37.45	3.85	1.49	0.00
37.50	3.85	1.49	0.00
37.55	3.85	1.49	0.00
37.60	3.85	1.49	0.00
37.65	3.85	1.49	0.00
37.70	3.85	1.49	0.00
37.75	3.85	1.49	0.00
37.80	3.85	1.49	0.00
37.85	3.85	1.49	0.00
37.90	3.85	1.49	0.00
37.95	3.85	1.49	0.00
38.00	3.85	1.49	0.00
38.05	3.85	1.49	0.00
38.10	3.85	1.49	0.00
38.15	3.85	1.49	0.00
38.20	3.85	1.49	0.00
38.25	3.85	1.49	0.00
38.30	3.85	1.49	0.00
38.35	3.85	1.49	0.00
38.40	3.85	1.49	0.00
38.45	3.85	1.49	0.00
38.50	3.85	1.49	0.00
38.55	3.85	1.49	0.00
38.60	3.85	1.49	0.00
38.65	3.85	1.49	0.00
38.70	3.85	1.49	0.00
38.75	3.85	1.49	0.00
38.80	3.85	1.49	0.00
38.85	3.85	1.49	0.00
38.90	3.85	1.49	0.00
38.95	3.85	1.49	0.00
39.00	3.85	1.49	0.00
39.05	3.85	1.49	0.00
39.10	3.85	1.49	0.00
39.15	3.85	1.49	0.00
39.20	3.85	1.49	0.00
39.25	3.85	1.49	0.00
39.30	3.85	1.49	0.00
39.35	3.85	1.49	0.00
39.40	3.85	1.49	0.00
39.45	3.85	1.49	0.00
39.50	3.85	1.49	0.00
39.55	3.85	1.49	0.00
39.60	3.85	1.49	0.00
39.65	3.85	1.49	0.00
39.70	3.85	1.49	0.00
39.75	3.85	1.49	0.00
39.80	3.85	1.49	0.00
39.85	3.85	1.49	0.00
39.90	3.85	1.49	0.00
39.95	3.85	1.49	0.00
40.00	3.85	1.49	0.00

Summary for Subcatchment 49I: PDA-49 (impervious)

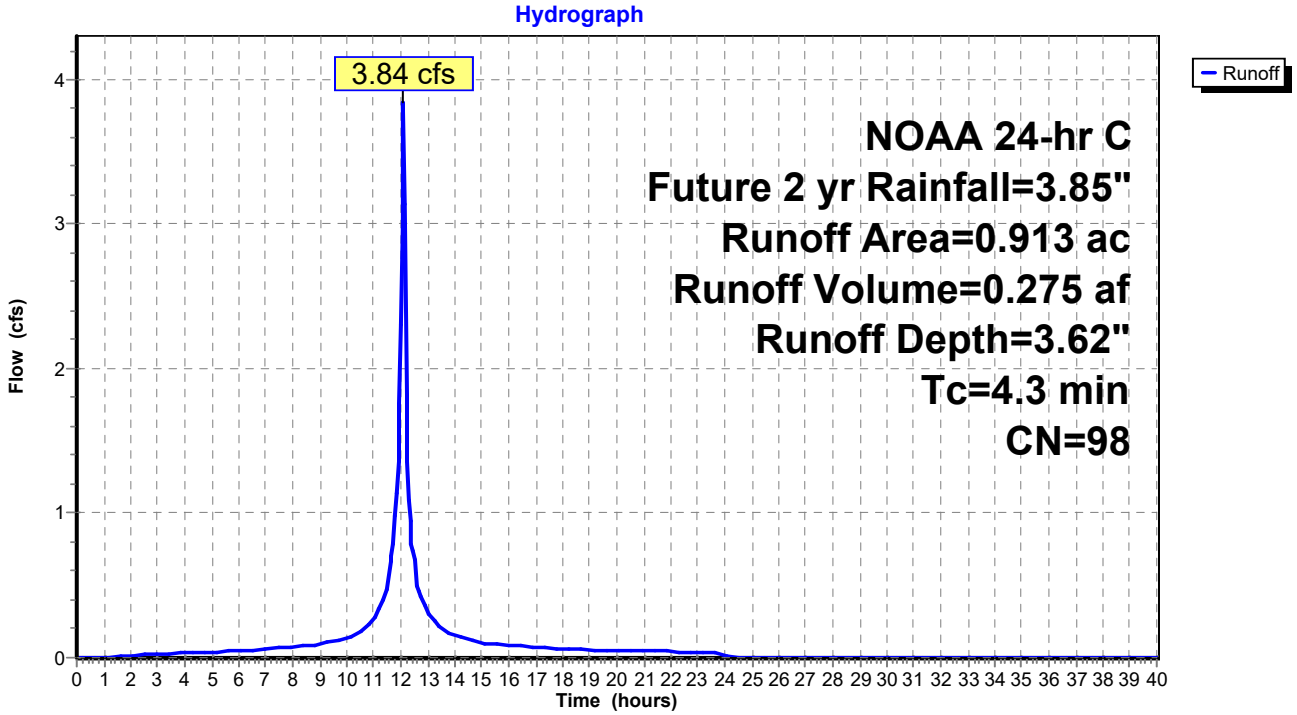
Runoff = 3.84 cfs @ 12.10 hrs, Volume= 0.275 af, Depth= 3.62"
Routed to Pond B-49 : Basin #49

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

	Area (ac)	CN	Description
*	0.434	98	Pavement, HSG C
*	0.418	98	Roof, HSG C
*	0.061	98	Concrete, HSG C
	0.913	98	Weighted Average
	0.913		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
4.3					**Direct Entry,**

Subcatchment 49I: PDA-49 (impervious)



Hydrograph for Subcatchment 49I: PDA-49 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.02	0.02
0.05	0.00	0.00	0.00	2.65	0.12	0.02	0.02
0.10	0.00	0.00	0.00	2.70	0.12	0.02	0.02
0.15	0.01	0.00	0.00	2.75	0.12	0.02	0.02
0.20	0.01	0.00	0.00	2.80	0.13	0.02	0.02
0.25	0.01	0.00	0.00	2.85	0.13	0.03	0.02
0.30	0.01	0.00	0.00	2.90	0.13	0.03	0.02
0.35	0.01	0.00	0.00	2.95	0.13	0.03	0.02
0.40	0.02	0.00	0.00	3.00	0.14	0.03	0.02
0.45	0.02	0.00	0.00	3.05	0.14	0.03	0.02
0.50	0.02	0.00	0.00	3.10	0.14	0.03	0.03
0.55	0.02	0.00	0.00	3.15	0.14	0.03	0.03
0.60	0.03	0.00	0.00	3.20	0.15	0.04	0.03
0.65	0.03	0.00	0.00	3.25	0.15	0.04	0.03
0.70	0.03	0.00	0.00	3.30	0.15	0.04	0.03
0.75	0.03	0.00	0.00	3.35	0.15	0.04	0.03
0.80	0.03	0.00	0.00	3.40	0.16	0.04	0.03
0.85	0.04	0.00	0.00	3.45	0.16	0.04	0.03
0.90	0.04	0.00	0.00	3.50	0.16	0.04	0.03
0.95	0.04	0.00	0.00	3.55	0.16	0.05	0.03
1.00	0.04	0.00	0.00	3.60	0.17	0.05	0.03
1.05	0.04	0.00	0.00	3.65	0.17	0.05	0.03
1.10	0.05	0.00	0.00	3.70	0.17	0.05	0.03
1.15	0.05	0.00	0.00	3.75	0.17	0.05	0.03
1.20	0.05	0.00	0.00	3.80	0.18	0.05	0.03
1.25	0.05	0.00	0.00	3.85	0.18	0.06	0.03
1.30	0.06	0.00	0.00	3.90	0.18	0.06	0.03
1.35	0.06	0.00	0.00	3.95	0.19	0.06	0.03
1.40	0.06	0.00	0.01	4.00	0.19	0.06	0.03
1.45	0.06	0.00	0.01	4.05	0.19	0.06	0.03
1.50	0.06	0.00	0.01	4.10	0.19	0.07	0.03
1.55	0.07	0.00	0.01	4.15	0.20	0.07	0.03
1.60	0.07	0.00	0.01	4.20	0.20	0.07	0.03
1.65	0.07	0.00	0.01	4.25	0.20	0.07	0.03
1.70	0.07	0.00	0.01	4.30	0.20	0.07	0.04
1.75	0.08	0.01	0.01	4.35	0.21	0.08	0.04
1.80	0.08	0.01	0.01	4.40	0.21	0.08	0.04
1.85	0.08	0.01	0.01	4.45	0.21	0.08	0.04
1.90	0.08	0.01	0.01	4.50	0.22	0.08	0.04
1.95	0.08	0.01	0.01	4.55	0.22	0.08	0.04
2.00	0.09	0.01	0.01	4.60	0.22	0.09	0.04
2.05	0.09	0.01	0.01	4.65	0.22	0.09	0.04
2.10	0.09	0.01	0.01	4.70	0.23	0.09	0.04
2.15	0.09	0.01	0.02	4.75	0.23	0.09	0.04
2.20	0.10	0.01	0.02	4.80	0.23	0.09	0.04
2.25	0.10	0.01	0.02	4.85	0.24	0.10	0.04
2.30	0.10	0.01	0.02	4.90	0.24	0.10	0.04
2.35	0.10	0.01	0.02	4.95	0.24	0.10	0.04
2.40	0.11	0.02	0.02	5.00	0.24	0.10	0.04
2.45	0.11	0.02	0.02	5.05	0.25	0.10	0.04
2.50	0.11	0.02	0.02	5.10	0.25	0.11	0.04
2.55	0.11	0.02	0.02	5.15	0.25	0.11	0.04

Hydrograph for Subcatchment 49I: PDA-49 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.11	0.04	7.80	0.44	0.27	0.07
5.25	0.26	0.11	0.04	7.85	0.45	0.27	0.07
5.30	0.26	0.12	0.04	7.90	0.45	0.27	0.07
5.35	0.27	0.12	0.04	7.95	0.46	0.28	0.08
5.40	0.27	0.12	0.04	8.00	0.46	0.28	0.08
5.45	0.27	0.12	0.04	8.05	0.47	0.29	0.08
5.50	0.27	0.12	0.04	8.10	0.47	0.29	0.08
5.55	0.28	0.13	0.04	8.15	0.48	0.30	0.08
5.60	0.28	0.13	0.04	8.20	0.48	0.30	0.08
5.65	0.28	0.13	0.04	8.25	0.49	0.30	0.08
5.70	0.29	0.13	0.04	8.30	0.49	0.31	0.08
5.75	0.29	0.14	0.04	8.35	0.49	0.31	0.08
5.80	0.29	0.14	0.04	8.40	0.50	0.32	0.08
5.85	0.30	0.14	0.05	8.45	0.50	0.32	0.08
5.90	0.30	0.14	0.05	8.50	0.51	0.33	0.08
5.95	0.30	0.15	0.05	8.55	0.51	0.33	0.08
6.00	0.31	0.15	0.05	8.60	0.52	0.34	0.08
6.05	0.31	0.15	0.05	8.65	0.53	0.34	0.09
6.10	0.31	0.15	0.05	8.70	0.53	0.35	0.09
6.15	0.31	0.16	0.05	8.75	0.54	0.35	0.09
6.20	0.32	0.16	0.05	8.80	0.54	0.36	0.09
6.25	0.32	0.16	0.05	8.85	0.55	0.36	0.09
6.30	0.32	0.17	0.05	8.90	0.55	0.36	0.09
6.35	0.33	0.17	0.05	8.95	0.56	0.37	0.09
6.40	0.33	0.17	0.05	9.00	0.56	0.37	0.09
6.45	0.33	0.17	0.05	9.05	0.57	0.38	0.09
6.50	0.34	0.18	0.05	9.10	0.57	0.39	0.10
6.55	0.34	0.18	0.05	9.15	0.58	0.39	0.10
6.60	0.35	0.18	0.05	9.20	0.59	0.40	0.10
6.65	0.35	0.19	0.06	9.25	0.59	0.40	0.10
6.70	0.35	0.19	0.06	9.30	0.60	0.41	0.11
6.75	0.36	0.19	0.06	9.35	0.60	0.41	0.11
6.80	0.36	0.19	0.06	9.40	0.61	0.42	0.11
6.85	0.36	0.20	0.06	9.45	0.62	0.43	0.11
6.90	0.37	0.20	0.06	9.50	0.62	0.43	0.12
6.95	0.37	0.20	0.06	9.55	0.63	0.44	0.12
7.00	0.38	0.21	0.06	9.60	0.64	0.45	0.12
7.05	0.38	0.21	0.06	9.65	0.65	0.45	0.12
7.10	0.38	0.21	0.06	9.70	0.65	0.46	0.13
7.15	0.39	0.22	0.06	9.75	0.66	0.47	0.13
7.20	0.39	0.22	0.06	9.80	0.67	0.47	0.13
7.25	0.40	0.23	0.06	9.85	0.68	0.48	0.13
7.30	0.40	0.23	0.06	9.90	0.69	0.49	0.14
7.35	0.40	0.23	0.07	9.95	0.69	0.50	0.14
7.40	0.41	0.24	0.07	10.00	0.70	0.51	0.14
7.45	0.41	0.24	0.07	10.05	0.71	0.51	0.15
7.50	0.42	0.24	0.07	10.10	0.72	0.52	0.15
7.55	0.42	0.25	0.07	10.15	0.73	0.53	0.15
7.60	0.43	0.25	0.07	10.20	0.74	0.54	0.15
7.65	0.43	0.25	0.07	10.25	0.75	0.55	0.16
7.70	0.43	0.26	0.07	10.30	0.76	0.56	0.16
7.75	0.44	0.26	0.07	10.35	0.76	0.56	0.16

Hydrograph for Subcatchment 49I: PDA-49 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.57	0.16	13.00	2.93	2.69	0.32
10.45	0.78	0.58	0.17	13.05	2.94	2.71	0.31
10.50	0.79	0.59	0.17	13.10	2.96	2.73	0.29
10.55	0.80	0.60	0.18	13.15	2.97	2.74	0.27
10.60	0.82	0.61	0.19	13.20	2.98	2.75	0.26
10.65	0.83	0.62	0.20	13.25	3.00	2.77	0.25
10.70	0.84	0.64	0.21	13.30	3.01	2.78	0.24
10.75	0.85	0.65	0.22	13.35	3.02	2.79	0.23
10.80	0.87	0.66	0.23	13.40	3.03	2.80	0.22
10.85	0.88	0.67	0.24	13.45	3.05	2.81	0.21
10.90	0.89	0.69	0.25	13.50	3.06	2.82	0.20
10.95	0.91	0.70	0.26	13.55	3.07	2.83	0.19
11.00	0.92	0.72	0.27	13.60	3.08	2.84	0.18
11.05	0.94	0.73	0.28	13.65	3.09	2.85	0.18
11.10	0.96	0.75	0.30	13.70	3.09	2.86	0.17
11.15	0.98	0.77	0.32	13.75	3.10	2.87	0.17
11.20	1.00	0.79	0.34	13.80	3.11	2.88	0.17
11.25	1.02	0.81	0.36	13.85	3.12	2.89	0.17
11.30	1.04	0.83	0.38	13.90	3.13	2.90	0.16
11.35	1.06	0.85	0.40	13.95	3.14	2.91	0.16
11.40	1.09	0.88	0.42	14.00	3.15	2.92	0.16
11.45	1.11	0.90	0.43	14.05	3.16	2.92	0.16
11.50	1.14	0.92	0.45	14.10	3.16	2.93	0.15
11.55	1.18	0.96	0.54	14.15	3.17	2.94	0.15
11.60	1.22	1.00	0.66	14.20	3.18	2.95	0.15
11.65	1.26	1.04	0.71	14.25	3.19	2.96	0.15
11.70	1.30	1.08	0.73	14.30	3.20	2.96	0.14
11.75	1.35	1.14	0.83	14.35	3.20	2.97	0.14
11.80	1.41	1.19	0.98	14.40	3.21	2.98	0.14
11.85	1.49	1.27	1.14	14.45	3.22	2.99	0.13
11.90	1.57	1.34	1.36	14.50	3.23	2.99	0.13
11.95	1.70	1.48	1.76	14.55	3.23	3.00	0.13
12.00	1.83	1.61	2.30	14.60	3.24	3.01	0.13
12.05	2.06	1.83	2.99	14.65	3.25	3.01	0.12
12.10	2.28	2.06	**3.84**	14.70	3.25	3.02	0.12
12.15	2.36	2.13	3.14	14.75	3.26	3.03	0.12
12.20	2.44	2.21	1.82	14.80	3.26	3.03	0.12
12.25	2.50	2.27	1.36	14.85	3.27	3.04	0.11
12.30	2.55	2.32	1.10	14.90	3.28	3.04	0.11
12.35	2.59	2.36	0.94	14.95	3.28	3.05	0.11
12.40	2.63	2.40	0.79	15.00	3.29	3.05	0.10
12.45	2.67	2.44	0.74	15.05	3.29	3.06	0.10
12.50	2.71	2.48	0.72	15.10	3.30	3.07	0.10
12.55	2.74	2.51	0.63	15.15	3.30	3.07	0.10
12.60	2.76	2.53	0.50	15.20	3.31	3.08	0.10
12.65	2.79	2.56	0.46	15.25	3.31	3.08	0.10
12.70	2.81	2.58	0.44	15.30	3.32	3.09	0.10
12.75	2.83	2.60	0.42	15.35	3.32	3.09	0.10
12.80	2.85	2.62	0.40	15.40	3.33	3.10	0.10
12.85	2.87	2.64	0.38	15.45	3.34	3.10	0.09
12.90	2.89	2.66	0.36	15.50	3.34	3.11	0.09
12.95	2.91	2.68	0.34	15.55	3.35	3.11	0.09

Hydrograph for Subcatchment 49I: PDA-49 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	3.12	0.09	18.20	3.56	3.32	0.06
15.65	3.36	3.12	0.09	18.25	3.56	3.33	0.06
15.70	3.36	3.13	0.09	18.30	3.56	3.33	0.06
15.75	3.36	3.13	0.09	18.35	3.57	3.33	0.06
15.80	3.37	3.14	0.09	18.40	3.57	3.34	0.06
15.85	3.37	3.14	0.09	18.45	3.57	3.34	0.06
15.90	3.38	3.15	0.09	18.50	3.58	3.34	0.06
15.95	3.38	3.15	0.09	18.55	3.58	3.34	0.06
16.00	3.39	3.16	0.09	18.60	3.58	3.35	0.06
16.05	3.39	3.16	0.09	18.65	3.58	3.35	0.06
16.10	3.40	3.16	0.09	18.70	3.59	3.35	0.05
16.15	3.40	3.17	0.08	18.75	3.59	3.36	0.05
16.20	3.41	3.17	0.08	18.80	3.59	3.36	0.05
16.25	3.41	3.18	0.08	18.85	3.60	3.36	0.05
16.30	3.42	3.18	0.08	18.90	3.60	3.37	0.05
16.35	3.42	3.19	0.08	18.95	3.60	3.37	0.05
16.40	3.42	3.19	0.08	19.00	3.61	3.37	0.05
16.45	3.43	3.20	0.08	19.05	3.61	3.37	0.05
16.50	3.43	3.20	0.08	19.10	3.61	3.38	0.05
16.55	3.44	3.20	0.08	19.15	3.61	3.38	0.05
16.60	3.44	3.21	0.08	19.20	3.62	3.38	0.05
16.65	3.45	3.21	0.08	19.25	3.62	3.39	0.05
16.70	3.45	3.22	0.08	19.30	3.62	3.39	0.05
16.75	3.45	3.22	0.08	19.35	3.63	3.39	0.05
16.80	3.46	3.23	0.08	19.40	3.63	3.39	0.05
16.85	3.46	3.23	0.07	19.45	3.63	3.40	0.05
16.90	3.47	3.23	0.07	19.50	3.63	3.40	0.05
16.95	3.47	3.24	0.07	19.55	3.64	3.40	0.05
17.00	3.47	3.24	0.07	19.60	3.64	3.41	0.05
17.05	3.48	3.24	0.07	19.65	3.64	3.41	0.05
17.10	3.48	3.25	0.07	19.70	3.65	3.41	0.05
17.15	3.49	3.25	0.07	19.75	3.65	3.41	0.05
17.20	3.49	3.26	0.07	19.80	3.65	3.42	0.05
17.25	3.49	3.26	0.07	19.85	3.65	3.42	0.05
17.30	3.50	3.26	0.07	19.90	3.66	3.42	0.05
17.35	3.50	3.27	0.07	19.95	3.66	3.42	0.05
17.40	3.50	3.27	0.07	20.00	3.66	3.43	0.05
17.45	3.51	3.27	0.07	20.05	3.66	3.43	0.05
17.50	3.51	3.28	0.07	20.10	3.67	3.43	0.05
17.55	3.52	3.28	0.06	20.15	3.67	3.44	0.05
17.60	3.52	3.28	0.06	20.20	3.67	3.44	0.05
17.65	3.52	3.29	0.06	20.25	3.68	3.44	0.05
17.70	3.53	3.29	0.06	20.30	3.68	3.44	0.05
17.75	3.53	3.30	0.06	20.35	3.68	3.45	0.05
17.80	3.53	3.30	0.06	20.40	3.68	3.45	0.05
17.85	3.54	3.30	0.06	20.45	3.69	3.45	0.05
17.90	3.54	3.30	0.06	20.50	3.69	3.45	0.05
17.95	3.54	3.31	0.06	20.55	3.69	3.46	0.05
18.00	3.54	3.31	0.06	20.60	3.69	3.46	0.05
18.05	3.55	3.31	0.06	20.65	3.70	3.46	0.05
18.10	3.55	3.32	0.06	20.70	3.70	3.46	0.05
18.15	3.55	3.32	0.06	20.75	3.70	3.47	0.05

Hydrograph for Subcatchment 49I: PDA-49 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	3.47	0.05	23.40	3.82	3.59	0.04
20.85	3.71	3.47	0.05	23.45	3.83	3.59	0.04
20.90	3.71	3.47	0.05	23.50	3.83	3.59	0.04
20.95	3.71	3.48	0.05	23.55	3.83	3.60	0.04
21.00	3.71	3.48	0.05	23.60	3.83	3.60	0.04
21.05	3.72	3.48	0.05	23.65	3.84	3.60	0.04
21.10	3.72	3.49	0.05	23.70	3.84	3.60	0.04
21.15	3.72	3.49	0.05	23.75	3.84	3.60	0.04
21.20	3.72	3.49	0.05	23.80	3.84	3.61	0.04
21.25	3.73	3.49	0.05	23.85	3.84	3.61	0.04
21.30	3.73	3.50	0.05	23.90	3.85	3.61	0.04
21.35	3.73	3.50	0.05	23.95	3.85	3.61	0.04
21.40	3.73	3.50	0.05	24.00	**3.85**	**3.62**	0.04
21.45	3.74	3.50	0.05	24.05	3.85	3.62	0.03
21.50	3.74	3.50	0.04	24.10	3.85	3.62	0.01
21.55	3.74	3.51	0.04	24.15	3.85	3.62	0.00
21.60	3.74	3.51	0.04	24.20	3.85	3.62	0.00
21.65	3.75	3.51	0.04	24.25	3.85	3.62	0.00
21.70	3.75	3.51	0.04	24.30	3.85	3.62	0.00
21.75	3.75	3.52	0.04	24.35	3.85	3.62	0.00
21.80	3.75	3.52	0.04	24.40	3.85	3.62	0.00
21.85	3.76	3.52	0.04	24.45	3.85	3.62	0.00
21.90	3.76	3.52	0.04	24.50	3.85	3.62	0.00
21.95	3.76	3.53	0.04	24.55	3.85	3.62	0.00
22.00	3.76	3.53	0.04	24.60	3.85	3.62	0.00
22.05	3.77	3.53	0.04	24.65	3.85	3.62	0.00
22.10	3.77	3.53	0.04	24.70	3.85	3.62	0.00
22.15	3.77	3.54	0.04	24.75	3.85	3.62	0.00
22.20	3.77	3.54	0.04	24.80	3.85	3.62	0.00
22.25	3.77	3.54	0.04	24.85	3.85	3.62	0.00
22.30	3.78	3.54	0.04	24.90	3.85	3.62	0.00
22.35	3.78	3.54	0.04	24.95	3.85	3.62	0.00
22.40	3.78	3.55	0.04	25.00	3.85	3.62	0.00
22.45	3.78	3.55	0.04	25.05	3.85	3.62	0.00
22.50	3.79	3.55	0.04	25.10	3.85	3.62	0.00
22.55	3.79	3.55	0.04	25.15	3.85	3.62	0.00
22.60	3.79	3.56	0.04	25.20	3.85	3.62	0.00
22.65	3.79	3.56	0.04	25.25	3.85	3.62	0.00
22.70	3.79	3.56	0.04	25.30	3.85	3.62	0.00
22.75	3.80	3.56	0.04	25.35	3.85	3.62	0.00
22.80	3.80	3.56	0.04	25.40	3.85	3.62	0.00
22.85	3.80	3.57	0.04	25.45	3.85	3.62	0.00
22.90	3.80	3.57	0.04	25.50	3.85	3.62	0.00
22.95	3.81	3.57	0.04	25.55	3.85	3.62	0.00
23.00	3.81	3.57	0.04	25.60	3.85	3.62	0.00
23.05	3.81	3.58	0.04	25.65	3.85	3.62	0.00
23.10	3.81	3.58	0.04	25.70	3.85	3.62	0.00
23.15	3.81	3.58	0.04	25.75	3.85	3.62	0.00
23.20	3.82	3.58	0.04	25.80	3.85	3.62	0.00
23.25	3.82	3.58	0.04	25.85	3.85	3.62	0.00
23.30	3.82	3.59	0.04	25.90	3.85	3.62	0.00
23.35	3.82	3.59	0.04	25.95	3.85	3.62	0.00

Hydrograph for Subcatchment 49I: PDA-49 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	3.62	0.00	28.60	3.85	3.62	0.00
26.05	3.85	3.62	0.00	28.65	3.85	3.62	0.00
26.10	3.85	3.62	0.00	28.70	3.85	3.62	0.00
26.15	3.85	3.62	0.00	28.75	3.85	3.62	0.00
26.20	3.85	3.62	0.00	28.80	3.85	3.62	0.00
26.25	3.85	3.62	0.00	28.85	3.85	3.62	0.00
26.30	3.85	3.62	0.00	28.90	3.85	3.62	0.00
26.35	3.85	3.62	0.00	28.95	3.85	3.62	0.00
26.40	3.85	3.62	0.00	29.00	3.85	3.62	0.00
26.45	3.85	3.62	0.00	29.05	3.85	3.62	0.00
26.50	3.85	3.62	0.00	29.10	3.85	3.62	0.00
26.55	3.85	3.62	0.00	29.15	3.85	3.62	0.00
26.60	3.85	3.62	0.00	29.20	3.85	3.62	0.00
26.65	3.85	3.62	0.00	29.25	3.85	3.62	0.00
26.70	3.85	3.62	0.00	29.30	3.85	3.62	0.00
26.75	3.85	3.62	0.00	29.35	3.85	3.62	0.00
26.80	3.85	3.62	0.00	29.40	3.85	3.62	0.00
26.85	3.85	3.62	0.00	29.45	3.85	3.62	0.00
26.90	3.85	3.62	0.00	29.50	3.85	3.62	0.00
26.95	3.85	3.62	0.00	29.55	3.85	3.62	0.00
27.00	3.85	3.62	0.00	29.60	3.85	3.62	0.00
27.05	3.85	3.62	0.00	29.65	3.85	3.62	0.00
27.10	3.85	3.62	0.00	29.70	3.85	3.62	0.00
27.15	3.85	3.62	0.00	29.75	3.85	3.62	0.00
27.20	3.85	3.62	0.00	29.80	3.85	3.62	0.00
27.25	3.85	3.62	0.00	29.85	3.85	3.62	0.00
27.30	3.85	3.62	0.00	29.90	3.85	3.62	0.00
27.35	3.85	3.62	0.00	29.95	3.85	3.62	0.00
27.40	3.85	3.62	0.00	30.00	3.85	3.62	0.00
27.45	3.85	3.62	0.00	30.05	3.85	3.62	0.00
27.50	3.85	3.62	0.00	30.10	3.85	3.62	0.00
27.55	3.85	3.62	0.00	30.15	3.85	3.62	0.00
27.60	3.85	3.62	0.00	30.20	3.85	3.62	0.00
27.65	3.85	3.62	0.00	30.25	3.85	3.62	0.00
27.70	3.85	3.62	0.00	30.30	3.85	3.62	0.00
27.75	3.85	3.62	0.00	30.35	3.85	3.62	0.00
27.80	3.85	3.62	0.00	30.40	3.85	3.62	0.00
27.85	3.85	3.62	0.00	30.45	3.85	3.62	0.00
27.90	3.85	3.62	0.00	30.50	3.85	3.62	0.00
27.95	3.85	3.62	0.00	30.55	3.85	3.62	0.00
28.00	3.85	3.62	0.00	30.60	3.85	3.62	0.00
28.05	3.85	3.62	0.00	30.65	3.85	3.62	0.00
28.10	3.85	3.62	0.00	30.70	3.85	3.62	0.00
28.15	3.85	3.62	0.00	30.75	3.85	3.62	0.00
28.20	3.85	3.62	0.00	30.80	3.85	3.62	0.00
28.25	3.85	3.62	0.00	30.85	3.85	3.62	0.00
28.30	3.85	3.62	0.00	30.90	3.85	3.62	0.00
28.35	3.85	3.62	0.00	30.95	3.85	3.62	0.00
28.40	3.85	3.62	0.00	31.00	3.85	3.62	0.00
28.45	3.85	3.62	0.00	31.05	3.85	3.62	0.00
28.50	3.85	3.62	0.00	31.10	3.85	3.62	0.00
28.55	3.85	3.62	0.00	31.15	3.85	3.62	0.00

Hydrograph for Subcatchment 49I: PDA-49 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	3.62	0.00	33.80	3.85	3.62	0.00
31.25	3.85	3.62	0.00	33.85	3.85	3.62	0.00
31.30	3.85	3.62	0.00	33.90	3.85	3.62	0.00
31.35	3.85	3.62	0.00	33.95	3.85	3.62	0.00
31.40	3.85	3.62	0.00	34.00	3.85	3.62	0.00
31.45	3.85	3.62	0.00	34.05	3.85	3.62	0.00
31.50	3.85	3.62	0.00	34.10	3.85	3.62	0.00
31.55	3.85	3.62	0.00	34.15	3.85	3.62	0.00
31.60	3.85	3.62	0.00	34.20	3.85	3.62	0.00
31.65	3.85	3.62	0.00	34.25	3.85	3.62	0.00
31.70	3.85	3.62	0.00	34.30	3.85	3.62	0.00
31.75	3.85	3.62	0.00	34.35	3.85	3.62	0.00
31.80	3.85	3.62	0.00	34.40	3.85	3.62	0.00
31.85	3.85	3.62	0.00	34.45	3.85	3.62	0.00
31.90	3.85	3.62	0.00	34.50	3.85	3.62	0.00
31.95	3.85	3.62	0.00	34.55	3.85	3.62	0.00
32.00	3.85	3.62	0.00	34.60	3.85	3.62	0.00
32.05	3.85	3.62	0.00	34.65	3.85	3.62	0.00
32.10	3.85	3.62	0.00	34.70	3.85	3.62	0.00
32.15	3.85	3.62	0.00	34.75	3.85	3.62	0.00
32.20	3.85	3.62	0.00	34.80	3.85	3.62	0.00
32.25	3.85	3.62	0.00	34.85	3.85	3.62	0.00
32.30	3.85	3.62	0.00	34.90	3.85	3.62	0.00
32.35	3.85	3.62	0.00	34.95	3.85	3.62	0.00
32.40	3.85	3.62	0.00	35.00	3.85	3.62	0.00
32.45	3.85	3.62	0.00	35.05	3.85	3.62	0.00
32.50	3.85	3.62	0.00	35.10	3.85	3.62	0.00
32.55	3.85	3.62	0.00	35.15	3.85	3.62	0.00
32.60	3.85	3.62	0.00	35.20	3.85	3.62	0.00
32.65	3.85	3.62	0.00	35.25	3.85	3.62	0.00
32.70	3.85	3.62	0.00	35.30	3.85	3.62	0.00
32.75	3.85	3.62	0.00	35.35	3.85	3.62	0.00
32.80	3.85	3.62	0.00	35.40	3.85	3.62	0.00
32.85	3.85	3.62	0.00	35.45	3.85	3.62	0.00
32.90	3.85	3.62	0.00	35.50	3.85	3.62	0.00
32.95	3.85	3.62	0.00	35.55	3.85	3.62	0.00
33.00	3.85	3.62	0.00	35.60	3.85	3.62	0.00
33.05	3.85	3.62	0.00	35.65	3.85	3.62	0.00
33.10	3.85	3.62	0.00	35.70	3.85	3.62	0.00
33.15	3.85	3.62	0.00	35.75	3.85	3.62	0.00
33.20	3.85	3.62	0.00	35.80	3.85	3.62	0.00
33.25	3.85	3.62	0.00	35.85	3.85	3.62	0.00
33.30	3.85	3.62	0.00	35.90	3.85	3.62	0.00
33.35	3.85	3.62	0.00	35.95	3.85	3.62	0.00
33.40	3.85	3.62	0.00	36.00	3.85	3.62	0.00
33.45	3.85	3.62	0.00	36.05	3.85	3.62	0.00
33.50	3.85	3.62	0.00	36.10	3.85	3.62	0.00
33.55	3.85	3.62	0.00	36.15	3.85	3.62	0.00
33.60	3.85	3.62	0.00	36.20	3.85	3.62	0.00
33.65	3.85	3.62	0.00	36.25	3.85	3.62	0.00
33.70	3.85	3.62	0.00	36.30	3.85	3.62	0.00
33.75	3.85	3.62	0.00	36.35	3.85	3.62	0.00

Hydrograph for Subcatchment 49I: PDA-49 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	3.62	0.00
36.45	3.85	3.62	0.00
36.50	3.85	3.62	0.00
36.55	3.85	3.62	0.00
36.60	3.85	3.62	0.00
36.65	3.85	3.62	0.00
36.70	3.85	3.62	0.00
36.75	3.85	3.62	0.00
36.80	3.85	3.62	0.00
36.85	3.85	3.62	0.00
36.90	3.85	3.62	0.00
36.95	3.85	3.62	0.00
37.00	3.85	3.62	0.00
37.05	3.85	3.62	0.00
37.10	3.85	3.62	0.00
37.15	3.85	3.62	0.00
37.20	3.85	3.62	0.00
37.25	3.85	3.62	0.00
37.30	3.85	3.62	0.00
37.35	3.85	3.62	0.00
37.40	3.85	3.62	0.00
37.45	3.85	3.62	0.00
37.50	3.85	3.62	0.00
37.55	3.85	3.62	0.00
37.60	3.85	3.62	0.00
37.65	3.85	3.62	0.00
37.70	3.85	3.62	0.00
37.75	3.85	3.62	0.00
37.80	3.85	3.62	0.00
37.85	3.85	3.62	0.00
37.90	3.85	3.62	0.00
37.95	3.85	3.62	0.00
38.00	3.85	3.62	0.00
38.05	3.85	3.62	0.00
38.10	3.85	3.62	0.00
38.15	3.85	3.62	0.00
38.20	3.85	3.62	0.00
38.25	3.85	3.62	0.00
38.30	3.85	3.62	0.00
38.35	3.85	3.62	0.00
38.40	3.85	3.62	0.00
38.45	3.85	3.62	0.00
38.50	3.85	3.62	0.00
38.55	3.85	3.62	0.00
38.60	3.85	3.62	0.00
38.65	3.85	3.62	0.00
38.70	3.85	3.62	0.00
38.75	3.85	3.62	0.00
38.80	3.85	3.62	0.00
38.85	3.85	3.62	0.00
38.90	3.85	3.62	0.00
38.95	3.85	3.62	0.00
39.00	3.85	3.62	0.00
39.05	3.85	3.62	0.00
39.10	3.85	3.62	0.00
39.15	3.85	3.62	0.00
39.20	3.85	3.62	0.00
39.25	3.85	3.62	0.00
39.30	3.85	3.62	0.00
39.35	3.85	3.62	0.00
39.40	3.85	3.62	0.00
39.45	3.85	3.62	0.00
39.50	3.85	3.62	0.00
39.55	3.85	3.62	0.00
39.60	3.85	3.62	0.00
39.65	3.85	3.62	0.00
39.70	3.85	3.62	0.00
39.75	3.85	3.62	0.00
39.80	3.85	3.62	0.00
39.85	3.85	3.62	0.00
39.90	3.85	3.62	0.00
39.95	3.85	3.62	0.00
40.00	3.85	3.62	0.00

Summary for Subcatchment 49P: PDA-49 (pervious)

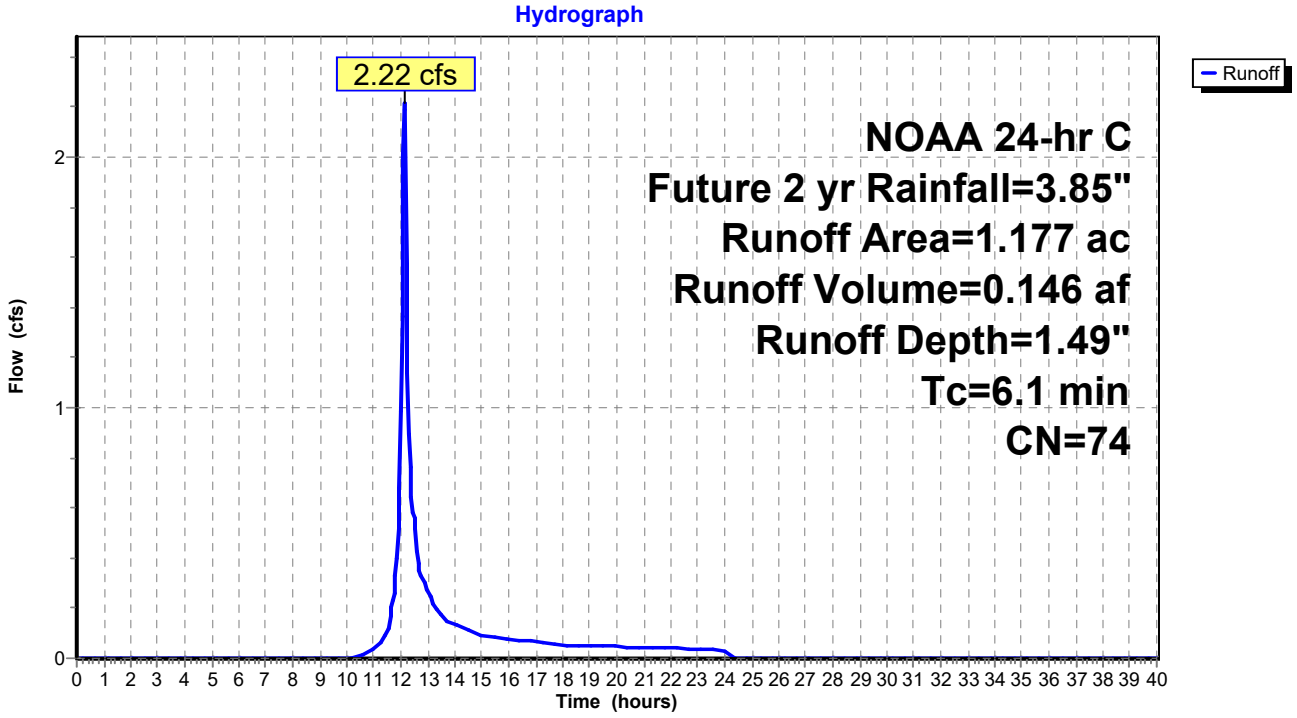
Runoff = 2.22 cfs @ 12.14 hrs, Volume= 0.146 af, Depth= 1.49"
Routed to Pond B-49 : Basin #49

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
1.177	74	>75% Grass cover, Good, HSG C
1.177		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.1					**Direct Entry,**

Subcatchment 49P: PDA-49 (pervious)



Hydrograph for Subcatchment 49P: PDA-49 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment 49P: PDA-49 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.00
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.01

Hydrograph for Subcatchment 49P: PDA-49 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.01	13.00	2.93	0.86	0.27
10.45	0.78	0.00	0.01	13.05	2.94	0.87	0.26
10.50	0.79	0.00	0.01	13.10	2.96	0.88	0.24
10.55	0.80	0.00	0.01	13.15	2.97	0.89	0.23
10.60	0.82	0.00	0.01	13.20	2.98	0.90	0.22
10.65	0.83	0.00	0.01	13.25	3.00	0.91	0.21
10.70	0.84	0.01	0.02	13.30	3.01	0.92	0.20
10.75	0.85	0.01	0.02	13.35	3.02	0.92	0.20
10.80	0.87	0.01	0.02	13.40	3.03	0.93	0.19
10.85	0.88	0.01	0.03	13.45	3.05	0.94	0.18
10.90	0.89	0.01	0.03	13.50	3.06	0.94	0.17
10.95	0.91	0.01	0.03	13.55	3.07	0.95	0.16
11.00	0.92	0.01	0.04	13.60	3.08	0.96	0.16
11.05	0.94	0.02	0.04	13.65	3.09	0.96	0.15
11.10	0.96	0.02	0.05	13.70	3.09	0.97	0.15
11.15	0.98	0.02	0.05	13.75	3.10	0.97	0.14
11.20	1.00	0.02	0.06	13.80	3.11	0.98	0.14
11.25	1.02	0.03	0.07	13.85	3.12	0.99	0.14
11.30	1.04	0.03	0.07	13.90	3.13	0.99	0.14
11.35	1.06	0.03	0.08	13.95	3.14	1.00	0.14
11.40	1.09	0.04	0.09	14.00	3.15	1.00	0.13
11.45	1.11	0.04	0.10	14.05	3.16	1.01	0.13
11.50	1.14	0.05	0.11	14.10	3.16	1.01	0.13
11.55	1.18	0.06	0.13	14.15	3.17	1.02	0.13
11.60	1.22	0.07	0.17	14.20	3.18	1.02	0.13
11.65	1.26	0.08	0.20	14.25	3.19	1.03	0.12
11.70	1.30	0.09	0.23	14.30	3.20	1.03	0.12
11.75	1.35	0.10	0.26	14.35	3.20	1.04	0.12
11.80	1.41	0.12	0.33	14.40	3.21	1.04	0.12
11.85	1.49	0.14	0.40	14.45	3.22	1.05	0.12
11.90	1.57	0.17	0.52	14.50	3.23	1.05	0.11
11.95	1.70	0.22	0.68	14.55	3.23	1.06	0.11
12.00	1.83	0.28	0.99	14.60	3.24	1.06	0.11
12.05	2.06	0.38	1.37	14.65	3.25	1.07	0.11
12.10	2.28	0.49	2.00	14.70	3.25	1.07	0.10
12.15	2.36	0.53	**2.19**	14.75	3.26	1.08	0.10
12.20	2.44	0.57	1.57	14.80	3.26	1.08	0.10
12.25	2.50	0.61	1.14	14.85	3.27	1.08	0.10
12.30	2.55	0.64	0.90	14.90	3.28	1.09	0.10
12.35	2.59	0.66	0.77	14.95	3.28	1.09	0.09
12.40	2.63	0.69	0.65	15.00	3.29	1.10	0.09
12.45	2.67	0.71	0.58	15.05	3.29	1.10	0.09
12.50	2.71	0.73	0.56	15.10	3.30	1.10	0.09
12.55	2.74	0.75	0.52	15.15	3.30	1.11	0.09
12.60	2.76	0.76	0.43	15.20	3.31	1.11	0.09
12.65	2.79	0.78	0.38	15.25	3.31	1.11	0.08
12.70	2.81	0.79	0.35	15.30	3.32	1.12	0.08
12.75	2.83	0.80	0.34	15.35	3.32	1.12	0.08
12.80	2.85	0.82	0.32	15.40	3.33	1.12	0.08
12.85	2.87	0.83	0.31	15.45	3.34	1.13	0.08
12.90	2.89	0.84	0.30	15.50	3.34	1.13	0.08
12.95	2.91	0.85	0.28	15.55	3.35	1.13	0.08

Hydrograph for Subcatchment 49P: PDA-49 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	1.14	0.08	18.20	3.56	1.28	0.05
15.65	3.36	1.14	0.08	18.25	3.56	1.28	0.05
15.70	3.36	1.14	0.08	18.30	3.56	1.28	0.05
15.75	3.36	1.15	0.08	18.35	3.57	1.29	0.05
15.80	3.37	1.15	0.08	18.40	3.57	1.29	0.05
15.85	3.37	1.15	0.08	18.45	3.57	1.29	0.05
15.90	3.38	1.16	0.08	18.50	3.58	1.29	0.05
15.95	3.38	1.16	0.08	18.55	3.58	1.29	0.05
16.00	3.39	1.16	0.08	18.60	3.58	1.30	0.05
16.05	3.39	1.17	0.08	18.65	3.58	1.30	0.05
16.10	3.40	1.17	0.08	18.70	3.59	1.30	0.05
16.15	3.40	1.17	0.07	18.75	3.59	1.30	0.05
16.20	3.41	1.18	0.07	18.80	3.59	1.30	0.05
16.25	3.41	1.18	0.07	18.85	3.60	1.31	0.05
16.30	3.42	1.18	0.07	18.90	3.60	1.31	0.05
16.35	3.42	1.19	0.07	18.95	3.60	1.31	0.05
16.40	3.42	1.19	0.07	19.00	3.61	1.31	0.05
16.45	3.43	1.19	0.07	19.05	3.61	1.32	0.05
16.50	3.43	1.19	0.07	19.10	3.61	1.32	0.05
16.55	3.44	1.20	0.07	19.15	3.61	1.32	0.05
16.60	3.44	1.20	0.07	19.20	3.62	1.32	0.05
16.65	3.45	1.20	0.07	19.25	3.62	1.32	0.05
16.70	3.45	1.21	0.07	19.30	3.62	1.33	0.05
16.75	3.45	1.21	0.07	19.35	3.63	1.33	0.05
16.80	3.46	1.21	0.07	19.40	3.63	1.33	0.05
16.85	3.46	1.21	0.07	19.45	3.63	1.33	0.05
16.90	3.47	1.22	0.07	19.50	3.63	1.33	0.05
16.95	3.47	1.22	0.07	19.55	3.64	1.34	0.05
17.00	3.47	1.22	0.06	19.60	3.64	1.34	0.05
17.05	3.48	1.22	0.06	19.65	3.64	1.34	0.05
17.10	3.48	1.23	0.06	19.70	3.65	1.34	0.05
17.15	3.49	1.23	0.06	19.75	3.65	1.34	0.05
17.20	3.49	1.23	0.06	19.80	3.65	1.34	0.05
17.25	3.49	1.24	0.06	19.85	3.65	1.35	0.05
17.30	3.50	1.24	0.06	19.90	3.66	1.35	0.05
17.35	3.50	1.24	0.06	19.95	3.66	1.35	0.05
17.40	3.50	1.24	0.06	20.00	3.66	1.35	0.05
17.45	3.51	1.25	0.06	20.05	3.66	1.35	0.05
17.50	3.51	1.25	0.06	20.10	3.67	1.36	0.05
17.55	3.52	1.25	0.06	20.15	3.67	1.36	0.05
17.60	3.52	1.25	0.06	20.20	3.67	1.36	0.05
17.65	3.52	1.26	0.06	20.25	3.68	1.36	0.05
17.70	3.53	1.26	0.06	20.30	3.68	1.36	0.04
17.75	3.53	1.26	0.06	20.35	3.68	1.37	0.04
17.80	3.53	1.26	0.06	20.40	3.68	1.37	0.04
17.85	3.54	1.26	0.05	20.45	3.69	1.37	0.04
17.90	3.54	1.27	0.05	20.50	3.69	1.37	0.04
17.95	3.54	1.27	0.05	20.55	3.69	1.37	0.04
18.00	3.54	1.27	0.05	20.60	3.69	1.38	0.04
18.05	3.55	1.27	0.05	20.65	3.70	1.38	0.04
18.10	3.55	1.28	0.05	20.70	3.70	1.38	0.04
18.15	3.55	1.28	0.05	20.75	3.70	1.38	0.04

Hydrograph for Subcatchment 49P: PDA-49 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	1.38	0.04	23.40	3.82	1.47	0.04
20.85	3.71	1.38	0.04	23.45	3.83	1.47	0.04
20.90	3.71	1.39	0.04	23.50	3.83	1.47	0.04
20.95	3.71	1.39	0.04	23.55	3.83	1.47	0.04
21.00	3.71	1.39	0.04	23.60	3.83	1.47	0.04
21.05	3.72	1.39	0.04	23.65	3.84	1.48	0.03
21.10	3.72	1.39	0.04	23.70	3.84	1.48	0.03
21.15	3.72	1.40	0.04	23.75	3.84	1.48	0.03
21.20	3.72	1.40	0.04	23.80	3.84	1.48	0.03
21.25	3.73	1.40	0.04	23.85	3.84	1.48	0.03
21.30	3.73	1.40	0.04	23.90	3.85	1.48	0.03
21.35	3.73	1.40	0.04	23.95	3.85	1.49	0.04
21.40	3.73	1.40	0.04	24.00	**3.85**	**1.49**	0.04
21.45	3.74	1.41	0.04	24.05	3.85	1.49	0.03
21.50	3.74	1.41	0.04	24.10	3.85	1.49	0.02
21.55	3.74	1.41	0.04	24.15	3.85	1.49	0.00
21.60	3.74	1.41	0.04	24.20	3.85	1.49	0.00
21.65	3.75	1.41	0.04	24.25	3.85	1.49	0.00
21.70	3.75	1.41	0.04	24.30	3.85	1.49	0.00
21.75	3.75	1.42	0.04	24.35	3.85	1.49	0.00
21.80	3.75	1.42	0.04	24.40	3.85	1.49	0.00
21.85	3.76	1.42	0.04	24.45	3.85	1.49	0.00
21.90	3.76	1.42	0.04	24.50	3.85	1.49	0.00
21.95	3.76	1.42	0.04	24.55	3.85	1.49	0.00
22.00	3.76	1.42	0.04	24.60	3.85	1.49	0.00
22.05	3.77	1.43	0.04	24.65	3.85	1.49	0.00
22.10	3.77	1.43	0.04	24.70	3.85	1.49	0.00
22.15	3.77	1.43	0.04	24.75	3.85	1.49	0.00
22.20	3.77	1.43	0.04	24.80	3.85	1.49	0.00
22.25	3.77	1.43	0.04	24.85	3.85	1.49	0.00
22.30	3.78	1.43	0.04	24.90	3.85	1.49	0.00
22.35	3.78	1.44	0.04	24.95	3.85	1.49	0.00
22.40	3.78	1.44	0.04	25.00	3.85	1.49	0.00
22.45	3.78	1.44	0.04	25.05	3.85	1.49	0.00
22.50	3.79	1.44	0.04	25.10	3.85	1.49	0.00
22.55	3.79	1.44	0.04	25.15	3.85	1.49	0.00
22.60	3.79	1.44	0.04	25.20	3.85	1.49	0.00
22.65	3.79	1.45	0.04	25.25	3.85	1.49	0.00
22.70	3.79	1.45	0.04	25.30	3.85	1.49	0.00
22.75	3.80	1.45	0.04	25.35	3.85	1.49	0.00
22.80	3.80	1.45	0.04	25.40	3.85	1.49	0.00
22.85	3.80	1.45	0.04	25.45	3.85	1.49	0.00
22.90	3.80	1.45	0.04	25.50	3.85	1.49	0.00
22.95	3.81	1.46	0.04	25.55	3.85	1.49	0.00
23.00	3.81	1.46	0.04	25.60	3.85	1.49	0.00
23.05	3.81	1.46	0.04	25.65	3.85	1.49	0.00
23.10	3.81	1.46	0.04	25.70	3.85	1.49	0.00
23.15	3.81	1.46	0.04	25.75	3.85	1.49	0.00
23.20	3.82	1.46	0.04	25.80	3.85	1.49	0.00
23.25	3.82	1.46	0.04	25.85	3.85	1.49	0.00
23.30	3.82	1.47	0.04	25.90	3.85	1.49	0.00
23.35	3.82	1.47	0.04	25.95	3.85	1.49	0.00

Hydrograph for Subcatchment 49P: PDA-49 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.49	0.00	28.60	3.85	1.49	0.00
26.05	3.85	1.49	0.00	28.65	3.85	1.49	0.00
26.10	3.85	1.49	0.00	28.70	3.85	1.49	0.00
26.15	3.85	1.49	0.00	28.75	3.85	1.49	0.00
26.20	3.85	1.49	0.00	28.80	3.85	1.49	0.00
26.25	3.85	1.49	0.00	28.85	3.85	1.49	0.00
26.30	3.85	1.49	0.00	28.90	3.85	1.49	0.00
26.35	3.85	1.49	0.00	28.95	3.85	1.49	0.00
26.40	3.85	1.49	0.00	29.00	3.85	1.49	0.00
26.45	3.85	1.49	0.00	29.05	3.85	1.49	0.00
26.50	3.85	1.49	0.00	29.10	3.85	1.49	0.00
26.55	3.85	1.49	0.00	29.15	3.85	1.49	0.00
26.60	3.85	1.49	0.00	29.20	3.85	1.49	0.00
26.65	3.85	1.49	0.00	29.25	3.85	1.49	0.00
26.70	3.85	1.49	0.00	29.30	3.85	1.49	0.00
26.75	3.85	1.49	0.00	29.35	3.85	1.49	0.00
26.80	3.85	1.49	0.00	29.40	3.85	1.49	0.00
26.85	3.85	1.49	0.00	29.45	3.85	1.49	0.00
26.90	3.85	1.49	0.00	29.50	3.85	1.49	0.00
26.95	3.85	1.49	0.00	29.55	3.85	1.49	0.00
27.00	3.85	1.49	0.00	29.60	3.85	1.49	0.00
27.05	3.85	1.49	0.00	29.65	3.85	1.49	0.00
27.10	3.85	1.49	0.00	29.70	3.85	1.49	0.00
27.15	3.85	1.49	0.00	29.75	3.85	1.49	0.00
27.20	3.85	1.49	0.00	29.80	3.85	1.49	0.00
27.25	3.85	1.49	0.00	29.85	3.85	1.49	0.00
27.30	3.85	1.49	0.00	29.90	3.85	1.49	0.00
27.35	3.85	1.49	0.00	29.95	3.85	1.49	0.00
27.40	3.85	1.49	0.00	30.00	3.85	1.49	0.00
27.45	3.85	1.49	0.00	30.05	3.85	1.49	0.00
27.50	3.85	1.49	0.00	30.10	3.85	1.49	0.00
27.55	3.85	1.49	0.00	30.15	3.85	1.49	0.00
27.60	3.85	1.49	0.00	30.20	3.85	1.49	0.00
27.65	3.85	1.49	0.00	30.25	3.85	1.49	0.00
27.70	3.85	1.49	0.00	30.30	3.85	1.49	0.00
27.75	3.85	1.49	0.00	30.35	3.85	1.49	0.00
27.80	3.85	1.49	0.00	30.40	3.85	1.49	0.00
27.85	3.85	1.49	0.00	30.45	3.85	1.49	0.00
27.90	3.85	1.49	0.00	30.50	3.85	1.49	0.00
27.95	3.85	1.49	0.00	30.55	3.85	1.49	0.00
28.00	3.85	1.49	0.00	30.60	3.85	1.49	0.00
28.05	3.85	1.49	0.00	30.65	3.85	1.49	0.00
28.10	3.85	1.49	0.00	30.70	3.85	1.49	0.00
28.15	3.85	1.49	0.00	30.75	3.85	1.49	0.00
28.20	3.85	1.49	0.00	30.80	3.85	1.49	0.00
28.25	3.85	1.49	0.00	30.85	3.85	1.49	0.00
28.30	3.85	1.49	0.00	30.90	3.85	1.49	0.00
28.35	3.85	1.49	0.00	30.95	3.85	1.49	0.00
28.40	3.85	1.49	0.00	31.00	3.85	1.49	0.00
28.45	3.85	1.49	0.00	31.05	3.85	1.49	0.00
28.50	3.85	1.49	0.00	31.10	3.85	1.49	0.00
28.55	3.85	1.49	0.00	31.15	3.85	1.49	0.00

Hydrograph for Subcatchment 49P: PDA-49 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.49	0.00	33.80	3.85	1.49	0.00
31.25	3.85	1.49	0.00	33.85	3.85	1.49	0.00
31.30	3.85	1.49	0.00	33.90	3.85	1.49	0.00
31.35	3.85	1.49	0.00	33.95	3.85	1.49	0.00
31.40	3.85	1.49	0.00	34.00	3.85	1.49	0.00
31.45	3.85	1.49	0.00	34.05	3.85	1.49	0.00
31.50	3.85	1.49	0.00	34.10	3.85	1.49	0.00
31.55	3.85	1.49	0.00	34.15	3.85	1.49	0.00
31.60	3.85	1.49	0.00	34.20	3.85	1.49	0.00
31.65	3.85	1.49	0.00	34.25	3.85	1.49	0.00
31.70	3.85	1.49	0.00	34.30	3.85	1.49	0.00
31.75	3.85	1.49	0.00	34.35	3.85	1.49	0.00
31.80	3.85	1.49	0.00	34.40	3.85	1.49	0.00
31.85	3.85	1.49	0.00	34.45	3.85	1.49	0.00
31.90	3.85	1.49	0.00	34.50	3.85	1.49	0.00
31.95	3.85	1.49	0.00	34.55	3.85	1.49	0.00
32.00	3.85	1.49	0.00	34.60	3.85	1.49	0.00
32.05	3.85	1.49	0.00	34.65	3.85	1.49	0.00
32.10	3.85	1.49	0.00	34.70	3.85	1.49	0.00
32.15	3.85	1.49	0.00	34.75	3.85	1.49	0.00
32.20	3.85	1.49	0.00	34.80	3.85	1.49	0.00
32.25	3.85	1.49	0.00	34.85	3.85	1.49	0.00
32.30	3.85	1.49	0.00	34.90	3.85	1.49	0.00
32.35	3.85	1.49	0.00	34.95	3.85	1.49	0.00
32.40	3.85	1.49	0.00	35.00	3.85	1.49	0.00
32.45	3.85	1.49	0.00	35.05	3.85	1.49	0.00
32.50	3.85	1.49	0.00	35.10	3.85	1.49	0.00
32.55	3.85	1.49	0.00	35.15	3.85	1.49	0.00
32.60	3.85	1.49	0.00	35.20	3.85	1.49	0.00
32.65	3.85	1.49	0.00	35.25	3.85	1.49	0.00
32.70	3.85	1.49	0.00	35.30	3.85	1.49	0.00
32.75	3.85	1.49	0.00	35.35	3.85	1.49	0.00
32.80	3.85	1.49	0.00	35.40	3.85	1.49	0.00
32.85	3.85	1.49	0.00	35.45	3.85	1.49	0.00
32.90	3.85	1.49	0.00	35.50	3.85	1.49	0.00
32.95	3.85	1.49	0.00	35.55	3.85	1.49	0.00
33.00	3.85	1.49	0.00	35.60	3.85	1.49	0.00
33.05	3.85	1.49	0.00	35.65	3.85	1.49	0.00
33.10	3.85	1.49	0.00	35.70	3.85	1.49	0.00
33.15	3.85	1.49	0.00	35.75	3.85	1.49	0.00
33.20	3.85	1.49	0.00	35.80	3.85	1.49	0.00
33.25	3.85	1.49	0.00	35.85	3.85	1.49	0.00
33.30	3.85	1.49	0.00	35.90	3.85	1.49	0.00
33.35	3.85	1.49	0.00	35.95	3.85	1.49	0.00
33.40	3.85	1.49	0.00	36.00	3.85	1.49	0.00
33.45	3.85	1.49	0.00	36.05	3.85	1.49	0.00
33.50	3.85	1.49	0.00	36.10	3.85	1.49	0.00
33.55	3.85	1.49	0.00	36.15	3.85	1.49	0.00
33.60	3.85	1.49	0.00	36.20	3.85	1.49	0.00
33.65	3.85	1.49	0.00	36.25	3.85	1.49	0.00
33.70	3.85	1.49	0.00	36.30	3.85	1.49	0.00
33.75	3.85	1.49	0.00	36.35	3.85	1.49	0.00

Hydrograph for Subcatchment 49P: PDA-49 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.49	0.00
36.45	3.85	1.49	0.00
36.50	3.85	1.49	0.00
36.55	3.85	1.49	0.00
36.60	3.85	1.49	0.00
36.65	3.85	1.49	0.00
36.70	3.85	1.49	0.00
36.75	3.85	1.49	0.00
36.80	3.85	1.49	0.00
36.85	3.85	1.49	0.00
36.90	3.85	1.49	0.00
36.95	3.85	1.49	0.00
37.00	3.85	1.49	0.00
37.05	3.85	1.49	0.00
37.10	3.85	1.49	0.00
37.15	3.85	1.49	0.00
37.20	3.85	1.49	0.00
37.25	3.85	1.49	0.00
37.30	3.85	1.49	0.00
37.35	3.85	1.49	0.00
37.40	3.85	1.49	0.00
37.45	3.85	1.49	0.00
37.50	3.85	1.49	0.00
37.55	3.85	1.49	0.00
37.60	3.85	1.49	0.00
37.65	3.85	1.49	0.00
37.70	3.85	1.49	0.00
37.75	3.85	1.49	0.00
37.80	3.85	1.49	0.00
37.85	3.85	1.49	0.00
37.90	3.85	1.49	0.00
37.95	3.85	1.49	0.00
38.00	3.85	1.49	0.00
38.05	3.85	1.49	0.00
38.10	3.85	1.49	0.00
38.15	3.85	1.49	0.00
38.20	3.85	1.49	0.00
38.25	3.85	1.49	0.00
38.30	3.85	1.49	0.00
38.35	3.85	1.49	0.00
38.40	3.85	1.49	0.00
38.45	3.85	1.49	0.00
38.50	3.85	1.49	0.00
38.55	3.85	1.49	0.00
38.60	3.85	1.49	0.00
38.65	3.85	1.49	0.00
38.70	3.85	1.49	0.00
38.75	3.85	1.49	0.00
38.80	3.85	1.49	0.00
38.85	3.85	1.49	0.00
38.90	3.85	1.49	0.00
38.95	3.85	1.49	0.00
39.00	3.85	1.49	0.00
39.05	3.85	1.49	0.00
39.10	3.85	1.49	0.00
39.15	3.85	1.49	0.00
39.20	3.85	1.49	0.00
39.25	3.85	1.49	0.00
39.30	3.85	1.49	0.00
39.35	3.85	1.49	0.00
39.40	3.85	1.49	0.00
39.45	3.85	1.49	0.00
39.50	3.85	1.49	0.00
39.55	3.85	1.49	0.00
39.60	3.85	1.49	0.00
39.65	3.85	1.49	0.00
39.70	3.85	1.49	0.00
39.75	3.85	1.49	0.00
39.80	3.85	1.49	0.00
39.85	3.85	1.49	0.00
39.90	3.85	1.49	0.00
39.95	3.85	1.49	0.00
40.00	3.85	1.49	0.00

Summary for Subcatchment 50l: PDA-50 (impervious)

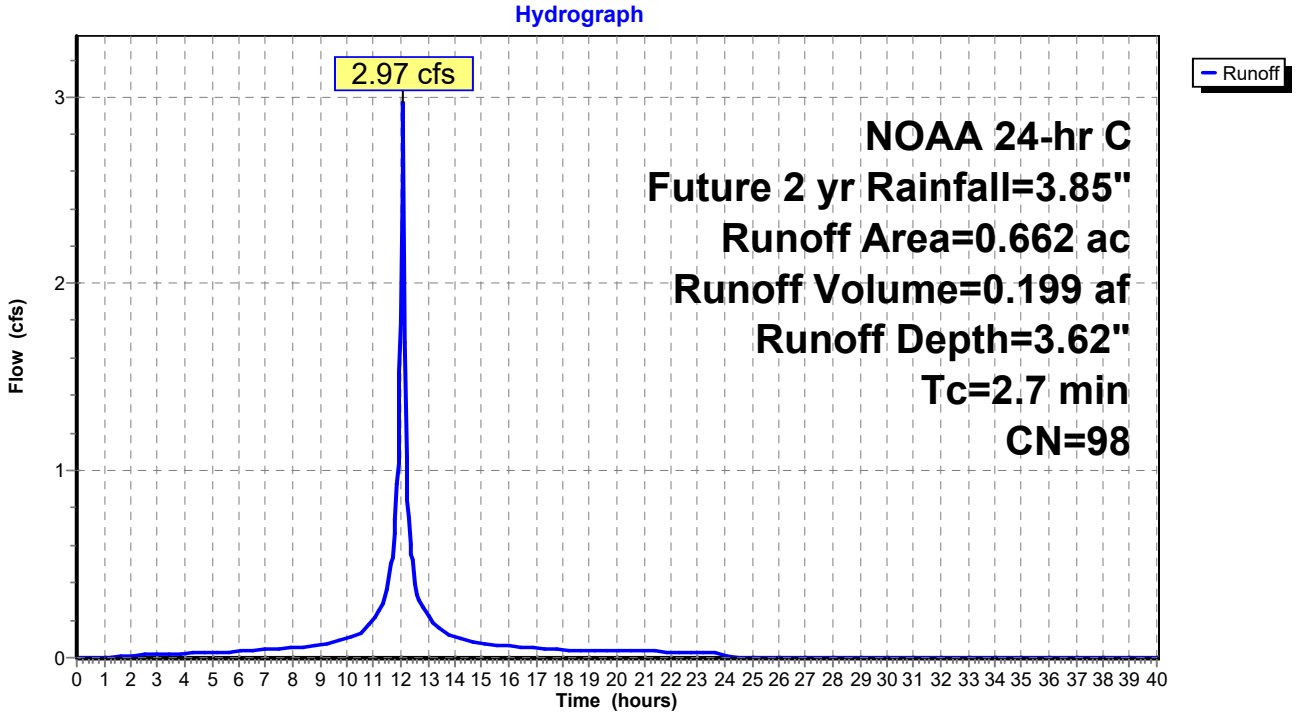
Runoff = 2.97 cfs @ 12.09 hrs, Volume= 0.199 af, Depth= 3.62"
Routed to Pond B-50 : Basin #50

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

	Area (ac)	CN	Description
*	0.291	98	Pavement, HSG C
*	0.325	98	Roof, HSG C
*	0.046	98	Concrete, HSG C
	0.662	98	Weighted Average
	0.662		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.7					**Direct Entry,**

Subcatchment 50l: PDA-50 (impervious)



Hydrograph for Subcatchment 50I: PDA-50 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.02	0.01
0.05	0.00	0.00	0.00	2.65	0.12	0.02	0.02
0.10	0.00	0.00	0.00	2.70	0.12	0.02	0.02
0.15	0.01	0.00	0.00	2.75	0.12	0.02	0.02
0.20	0.01	0.00	0.00	2.80	0.13	0.02	0.02
0.25	0.01	0.00	0.00	2.85	0.13	0.03	0.02
0.30	0.01	0.00	0.00	2.90	0.13	0.03	0.02
0.35	0.01	0.00	0.00	2.95	0.13	0.03	0.02
0.40	0.02	0.00	0.00	3.00	0.14	0.03	0.02
0.45	0.02	0.00	0.00	3.05	0.14	0.03	0.02
0.50	0.02	0.00	0.00	3.10	0.14	0.03	0.02
0.55	0.02	0.00	0.00	3.15	0.14	0.03	0.02
0.60	0.03	0.00	0.00	3.20	0.15	0.04	0.02
0.65	0.03	0.00	0.00	3.25	0.15	0.04	0.02
0.70	0.03	0.00	0.00	3.30	0.15	0.04	0.02
0.75	0.03	0.00	0.00	3.35	0.15	0.04	0.02
0.80	0.03	0.00	0.00	3.40	0.16	0.04	0.02
0.85	0.04	0.00	0.00	3.45	0.16	0.04	0.02
0.90	0.04	0.00	0.00	3.50	0.16	0.04	0.02
0.95	0.04	0.00	0.00	3.55	0.16	0.05	0.02
1.00	0.04	0.00	0.00	3.60	0.17	0.05	0.02
1.05	0.04	0.00	0.00	3.65	0.17	0.05	0.02
1.10	0.05	0.00	0.00	3.70	0.17	0.05	0.02
1.15	0.05	0.00	0.00	3.75	0.17	0.05	0.02
1.20	0.05	0.00	0.00	3.80	0.18	0.05	0.02
1.25	0.05	0.00	0.00	3.85	0.18	0.06	0.02
1.30	0.06	0.00	0.00	3.90	0.18	0.06	0.02
1.35	0.06	0.00	0.00	3.95	0.19	0.06	0.02
1.40	0.06	0.00	0.00	4.00	0.19	0.06	0.02
1.45	0.06	0.00	0.00	4.05	0.19	0.06	0.02
1.50	0.06	0.00	0.01	4.10	0.19	0.07	0.02
1.55	0.07	0.00	0.01	4.15	0.20	0.07	0.02
1.60	0.07	0.00	0.01	4.20	0.20	0.07	0.02
1.65	0.07	0.00	0.01	4.25	0.20	0.07	0.03
1.70	0.07	0.00	0.01	4.30	0.20	0.07	0.03
1.75	0.08	0.01	0.01	4.35	0.21	0.08	0.03
1.80	0.08	0.01	0.01	4.40	0.21	0.08	0.03
1.85	0.08	0.01	0.01	4.45	0.21	0.08	0.03
1.90	0.08	0.01	0.01	4.50	0.22	0.08	0.03
1.95	0.08	0.01	0.01	4.55	0.22	0.08	0.03
2.00	0.09	0.01	0.01	4.60	0.22	0.09	0.03
2.05	0.09	0.01	0.01	4.65	0.22	0.09	0.03
2.10	0.09	0.01	0.01	4.70	0.23	0.09	0.03
2.15	0.09	0.01	0.01	4.75	0.23	0.09	0.03
2.20	0.10	0.01	0.01	4.80	0.23	0.09	0.03
2.25	0.10	0.01	0.01	4.85	0.24	0.10	0.03
2.30	0.10	0.01	0.01	4.90	0.24	0.10	0.03
2.35	0.10	0.01	0.01	4.95	0.24	0.10	0.03
2.40	0.11	0.02	0.01	5.00	0.24	0.10	0.03
2.45	0.11	0.02	0.01	5.05	0.25	0.10	0.03
2.50	0.11	0.02	0.01	5.10	0.25	0.11	0.03
2.55	0.11	0.02	0.01	5.15	0.25	0.11	0.03

Hydrograph for Subcatchment 50I: PDA-50 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.11	0.03	7.80	0.44	0.27	0.05
5.25	0.26	0.11	0.03	7.85	0.45	0.27	0.05
5.30	0.26	0.12	0.03	7.90	0.45	0.27	0.05
5.35	0.27	0.12	0.03	7.95	0.46	0.28	0.05
5.40	0.27	0.12	0.03	8.00	0.46	0.28	0.06
5.45	0.27	0.12	0.03	8.05	0.47	0.29	0.06
5.50	0.27	0.12	0.03	8.10	0.47	0.29	0.06
5.55	0.28	0.13	0.03	8.15	0.48	0.30	0.06
5.60	0.28	0.13	0.03	8.20	0.48	0.30	0.06
5.65	0.28	0.13	0.03	8.25	0.49	0.30	0.06
5.70	0.29	0.13	0.03	8.30	0.49	0.31	0.06
5.75	0.29	0.14	0.03	8.35	0.49	0.31	0.06
5.80	0.29	0.14	0.03	8.40	0.50	0.32	0.06
5.85	0.30	0.14	0.03	8.45	0.50	0.32	0.06
5.90	0.30	0.14	0.03	8.50	0.51	0.33	0.06
5.95	0.30	0.15	0.03	8.55	0.51	0.33	0.06
6.00	0.31	0.15	0.03	8.60	0.52	0.34	0.06
6.05	0.31	0.15	0.03	8.65	0.53	0.34	0.06
6.10	0.31	0.15	0.03	8.70	0.53	0.35	0.06
6.15	0.31	0.16	0.04	8.75	0.54	0.35	0.06
6.20	0.32	0.16	0.04	8.80	0.54	0.36	0.06
6.25	0.32	0.16	0.04	8.85	0.55	0.36	0.06
6.30	0.32	0.17	0.04	8.90	0.55	0.36	0.07
6.35	0.33	0.17	0.04	8.95	0.56	0.37	0.07
6.40	0.33	0.17	0.04	9.00	0.56	0.37	0.07
6.45	0.33	0.17	0.04	9.05	0.57	0.38	0.07
6.50	0.34	0.18	0.04	9.10	0.57	0.39	0.07
6.55	0.34	0.18	0.04	9.15	0.58	0.39	0.07
6.60	0.35	0.18	0.04	9.20	0.59	0.40	0.07
6.65	0.35	0.19	0.04	9.25	0.59	0.40	0.08
6.70	0.35	0.19	0.04	9.30	0.60	0.41	0.08
6.75	0.36	0.19	0.04	9.35	0.60	0.41	0.08
6.80	0.36	0.19	0.04	9.40	0.61	0.42	0.08
6.85	0.36	0.20	0.04	9.45	0.62	0.43	0.08
6.90	0.37	0.20	0.04	9.50	0.62	0.43	0.09
6.95	0.37	0.20	0.04	9.55	0.63	0.44	0.09
7.00	0.38	0.21	0.04	9.60	0.64	0.45	0.09
7.05	0.38	0.21	0.04	9.65	0.65	0.45	0.09
7.10	0.38	0.21	0.05	9.70	0.65	0.46	0.09
7.15	0.39	0.22	0.05	9.75	0.66	0.47	0.10
7.20	0.39	0.22	0.05	9.80	0.67	0.47	0.10
7.25	0.40	0.23	0.05	9.85	0.68	0.48	0.10
7.30	0.40	0.23	0.05	9.90	0.69	0.49	0.10
7.35	0.40	0.23	0.05	9.95	0.69	0.50	0.10
7.40	0.41	0.24	0.05	10.00	0.70	0.51	0.10
7.45	0.41	0.24	0.05	10.05	0.71	0.51	0.11
7.50	0.42	0.24	0.05	10.10	0.72	0.52	0.11
7.55	0.42	0.25	0.05	10.15	0.73	0.53	0.11
7.60	0.43	0.25	0.05	10.20	0.74	0.54	0.11
7.65	0.43	0.25	0.05	10.25	0.75	0.55	0.11
7.70	0.43	0.26	0.05	10.30	0.76	0.56	0.12
7.75	0.44	0.26	0.05	10.35	0.76	0.56	0.12

Hydrograph for Subcatchment 50I: PDA-50 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.57	0.12	13.00	2.93	2.69	0.23
10.45	0.78	0.58	0.12	13.05	2.94	2.71	0.21
10.50	0.79	0.59	0.12	13.10	2.96	2.73	0.20
10.55	0.80	0.60	0.13	13.15	2.97	2.74	0.19
10.60	0.82	0.61	0.14	13.20	2.98	2.75	0.19
10.65	0.83	0.62	0.15	13.25	3.00	2.77	0.18
10.70	0.84	0.64	0.15	13.30	3.01	2.78	0.17
10.75	0.85	0.65	0.16	13.35	3.02	2.79	0.16
10.80	0.87	0.66	0.17	13.40	3.03	2.80	0.16
10.85	0.88	0.67	0.18	13.45	3.05	2.81	0.15
10.90	0.89	0.69	0.18	13.50	3.06	2.82	0.14
10.95	0.91	0.70	0.19	13.55	3.07	2.83	0.13
11.00	0.92	0.72	0.20	13.60	3.08	2.84	0.13
11.05	0.94	0.73	0.21	13.65	3.09	2.85	0.13
11.10	0.96	0.75	0.22	13.70	3.09	2.86	0.13
11.15	0.98	0.77	0.24	13.75	3.10	2.87	0.12
11.20	1.00	0.79	0.25	13.80	3.11	2.88	0.12
11.25	1.02	0.81	0.27	13.85	3.12	2.89	0.12
11.30	1.04	0.83	0.28	13.90	3.13	2.90	0.12
11.35	1.06	0.85	0.30	13.95	3.14	2.91	0.12
11.40	1.09	0.88	0.31	14.00	3.15	2.92	0.11
11.45	1.11	0.90	0.32	14.05	3.16	2.92	0.11
11.50	1.14	0.92	0.33	14.10	3.16	2.93	0.11
11.55	1.18	0.96	0.45	14.15	3.17	2.94	0.11
11.60	1.22	1.00	0.50	14.20	3.18	2.95	0.11
11.65	1.26	1.04	0.53	14.25	3.19	2.96	0.10
11.70	1.30	1.08	0.54	14.30	3.20	2.96	0.10
11.75	1.35	1.14	0.67	14.35	3.20	2.97	0.10
11.80	1.41	1.19	0.74	14.40	3.21	2.98	0.10
11.85	1.49	1.27	0.93	14.45	3.22	2.99	0.10
11.90	1.57	1.34	1.04	14.50	3.23	2.99	0.09
11.95	1.70	1.48	1.52	14.55	3.23	3.00	0.09
12.00	1.83	1.61	1.78	14.60	3.24	3.01	0.09
12.05	2.06	1.83	2.57	14.65	3.25	3.01	0.09
12.10	2.28	2.06	**2.90**	14.70	3.25	3.02	0.09
12.15	2.36	2.13	1.68	14.75	3.26	3.03	0.08
12.20	2.44	2.21	1.07	14.80	3.26	3.03	0.08
12.25	2.50	2.27	0.84	14.85	3.27	3.04	0.08
12.30	2.55	2.32	0.75	14.90	3.28	3.04	0.08
12.35	2.59	2.36	0.61	14.95	3.28	3.05	0.08
12.40	2.63	2.40	0.55	15.00	3.29	3.05	0.08
12.45	2.67	2.44	0.53	15.05	3.29	3.06	0.07
12.50	2.71	2.48	0.51	15.10	3.30	3.07	0.07
12.55	2.74	2.51	0.40	15.15	3.30	3.07	0.07
12.60	2.76	2.53	0.34	15.20	3.31	3.08	0.07
12.65	2.79	2.56	0.32	15.25	3.31	3.08	0.07
12.70	2.81	2.58	0.31	15.30	3.32	3.09	0.07
12.75	2.83	2.60	0.29	15.35	3.32	3.09	0.07
12.80	2.85	2.62	0.29	15.40	3.33	3.10	0.07
12.85	2.87	2.64	0.27	15.45	3.34	3.10	0.07
12.90	2.89	2.66	0.26	15.50	3.34	3.11	0.07
12.95	2.91	2.68	0.24	15.55	3.35	3.11	0.07

Hydrograph for Subcatchment 50I: PDA-50 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	3.12	0.07	18.20	3.56	3.32	0.04
15.65	3.36	3.12	0.07	18.25	3.56	3.33	0.04
15.70	3.36	3.13	0.07	18.30	3.56	3.33	0.04
15.75	3.36	3.13	0.06	18.35	3.57	3.33	0.04
15.80	3.37	3.14	0.06	18.40	3.57	3.34	0.04
15.85	3.37	3.14	0.06	18.45	3.57	3.34	0.04
15.90	3.38	3.15	0.06	18.50	3.58	3.34	0.04
15.95	3.38	3.15	0.06	18.55	3.58	3.34	0.04
16.00	3.39	3.16	0.06	18.60	3.58	3.35	0.04
16.05	3.39	3.16	0.06	18.65	3.58	3.35	0.04
16.10	3.40	3.16	0.06	18.70	3.59	3.35	0.04
16.15	3.40	3.17	0.06	18.75	3.59	3.36	0.04
16.20	3.41	3.17	0.06	18.80	3.59	3.36	0.04
16.25	3.41	3.18	0.06	18.85	3.60	3.36	0.04
16.30	3.42	3.18	0.06	18.90	3.60	3.37	0.04
16.35	3.42	3.19	0.06	18.95	3.60	3.37	0.04
16.40	3.42	3.19	0.06	19.00	3.61	3.37	0.04
16.45	3.43	3.20	0.06	19.05	3.61	3.37	0.04
16.50	3.43	3.20	0.06	19.10	3.61	3.38	0.04
16.55	3.44	3.20	0.06	19.15	3.61	3.38	0.04
16.60	3.44	3.21	0.06	19.20	3.62	3.38	0.04
16.65	3.45	3.21	0.06	19.25	3.62	3.39	0.04
16.70	3.45	3.22	0.06	19.30	3.62	3.39	0.04
16.75	3.45	3.22	0.05	19.35	3.63	3.39	0.04
16.80	3.46	3.23	0.05	19.40	3.63	3.39	0.04
16.85	3.46	3.23	0.05	19.45	3.63	3.40	0.04
16.90	3.47	3.23	0.05	19.50	3.63	3.40	0.04
16.95	3.47	3.24	0.05	19.55	3.64	3.40	0.04
17.00	3.47	3.24	0.05	19.60	3.64	3.41	0.04
17.05	3.48	3.24	0.05	19.65	3.64	3.41	0.04
17.10	3.48	3.25	0.05	19.70	3.65	3.41	0.04
17.15	3.49	3.25	0.05	19.75	3.65	3.41	0.04
17.20	3.49	3.26	0.05	19.80	3.65	3.42	0.04
17.25	3.49	3.26	0.05	19.85	3.65	3.42	0.04
17.30	3.50	3.26	0.05	19.90	3.66	3.42	0.04
17.35	3.50	3.27	0.05	19.95	3.66	3.42	0.04
17.40	3.50	3.27	0.05	20.00	3.66	3.43	0.04
17.45	3.51	3.27	0.05	20.05	3.66	3.43	0.04
17.50	3.51	3.28	0.05	20.10	3.67	3.43	0.04
17.55	3.52	3.28	0.05	20.15	3.67	3.44	0.04
17.60	3.52	3.28	0.05	20.20	3.67	3.44	0.04
17.65	3.52	3.29	0.05	20.25	3.68	3.44	0.04
17.70	3.53	3.29	0.05	20.30	3.68	3.44	0.04
17.75	3.53	3.30	0.04	20.35	3.68	3.45	0.04
17.80	3.53	3.30	0.04	20.40	3.68	3.45	0.04
17.85	3.54	3.30	0.04	20.45	3.69	3.45	0.04
17.90	3.54	3.30	0.04	20.50	3.69	3.45	0.04
17.95	3.54	3.31	0.04	20.55	3.69	3.46	0.04
18.00	3.54	3.31	0.04	20.60	3.69	3.46	0.04
18.05	3.55	3.31	0.04	20.65	3.70	3.46	0.03
18.10	3.55	3.32	0.04	20.70	3.70	3.46	0.03
18.15	3.55	3.32	0.04	20.75	3.70	3.47	0.03

Hydrograph for Subcatchment 50I: PDA-50 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	3.47	0.03	23.40	3.82	3.59	0.03
20.85	3.71	3.47	0.03	23.45	3.83	3.59	0.03
20.90	3.71	3.47	0.03	23.50	3.83	3.59	0.03
20.95	3.71	3.48	0.03	23.55	3.83	3.60	0.03
21.00	3.71	3.48	0.03	23.60	3.83	3.60	0.03
21.05	3.72	3.48	0.03	23.65	3.84	3.60	0.03
21.10	3.72	3.49	0.03	23.70	3.84	3.60	0.03
21.15	3.72	3.49	0.03	23.75	3.84	3.60	0.03
21.20	3.72	3.49	0.03	23.80	3.84	3.61	0.03
21.25	3.73	3.49	0.03	23.85	3.84	3.61	0.03
21.30	3.73	3.50	0.03	23.90	3.85	3.61	0.03
21.35	3.73	3.50	0.03	23.95	3.85	3.61	0.03
21.40	3.73	3.50	0.03	24.00	**3.85**	**3.62**	0.03
21.45	3.74	3.50	0.03	24.05	3.85	3.62	0.01
21.50	3.74	3.50	0.03	24.10	3.85	3.62	0.00
21.55	3.74	3.51	0.03	24.15	3.85	3.62	0.00
21.60	3.74	3.51	0.03	24.20	3.85	3.62	0.00
21.65	3.75	3.51	0.03	24.25	3.85	3.62	0.00
21.70	3.75	3.51	0.03	24.30	3.85	3.62	0.00
21.75	3.75	3.52	0.03	24.35	3.85	3.62	0.00
21.80	3.75	3.52	0.03	24.40	3.85	3.62	0.00
21.85	3.76	3.52	0.03	24.45	3.85	3.62	0.00
21.90	3.76	3.52	0.03	24.50	3.85	3.62	0.00
21.95	3.76	3.53	0.03	24.55	3.85	3.62	0.00
22.00	3.76	3.53	0.03	24.60	3.85	3.62	0.00
22.05	3.77	3.53	0.03	24.65	3.85	3.62	0.00
22.10	3.77	3.53	0.03	24.70	3.85	3.62	0.00
22.15	3.77	3.54	0.03	24.75	3.85	3.62	0.00
22.20	3.77	3.54	0.03	24.80	3.85	3.62	0.00
22.25	3.77	3.54	0.03	24.85	3.85	3.62	0.00
22.30	3.78	3.54	0.03	24.90	3.85	3.62	0.00
22.35	3.78	3.54	0.03	24.95	3.85	3.62	0.00
22.40	3.78	3.55	0.03	25.00	3.85	3.62	0.00
22.45	3.78	3.55	0.03	25.05	3.85	3.62	0.00
22.50	3.79	3.55	0.03	25.10	3.85	3.62	0.00
22.55	3.79	3.55	0.03	25.15	3.85	3.62	0.00
22.60	3.79	3.56	0.03	25.20	3.85	3.62	0.00
22.65	3.79	3.56	0.03	25.25	3.85	3.62	0.00
22.70	3.79	3.56	0.03	25.30	3.85	3.62	0.00
22.75	3.80	3.56	0.03	25.35	3.85	3.62	0.00
22.80	3.80	3.56	0.03	25.40	3.85	3.62	0.00
22.85	3.80	3.57	0.03	25.45	3.85	3.62	0.00
22.90	3.80	3.57	0.03	25.50	3.85	3.62	0.00
22.95	3.81	3.57	0.03	25.55	3.85	3.62	0.00
23.00	3.81	3.57	0.03	25.60	3.85	3.62	0.00
23.05	3.81	3.58	0.03	25.65	3.85	3.62	0.00
23.10	3.81	3.58	0.03	25.70	3.85	3.62	0.00
23.15	3.81	3.58	0.03	25.75	3.85	3.62	0.00
23.20	3.82	3.58	0.03	25.80	3.85	3.62	0.00
23.25	3.82	3.58	0.03	25.85	3.85	3.62	0.00
23.30	3.82	3.59	0.03	25.90	3.85	3.62	0.00
23.35	3.82	3.59	0.03	25.95	3.85	3.62	0.00

Hydrograph for Subcatchment 50I: PDA-50 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	3.62	0.00	28.60	3.85	3.62	0.00
26.05	3.85	3.62	0.00	28.65	3.85	3.62	0.00
26.10	3.85	3.62	0.00	28.70	3.85	3.62	0.00
26.15	3.85	3.62	0.00	28.75	3.85	3.62	0.00
26.20	3.85	3.62	0.00	28.80	3.85	3.62	0.00
26.25	3.85	3.62	0.00	28.85	3.85	3.62	0.00
26.30	3.85	3.62	0.00	28.90	3.85	3.62	0.00
26.35	3.85	3.62	0.00	28.95	3.85	3.62	0.00
26.40	3.85	3.62	0.00	29.00	3.85	3.62	0.00
26.45	3.85	3.62	0.00	29.05	3.85	3.62	0.00
26.50	3.85	3.62	0.00	29.10	3.85	3.62	0.00
26.55	3.85	3.62	0.00	29.15	3.85	3.62	0.00
26.60	3.85	3.62	0.00	29.20	3.85	3.62	0.00
26.65	3.85	3.62	0.00	29.25	3.85	3.62	0.00
26.70	3.85	3.62	0.00	29.30	3.85	3.62	0.00
26.75	3.85	3.62	0.00	29.35	3.85	3.62	0.00
26.80	3.85	3.62	0.00	29.40	3.85	3.62	0.00
26.85	3.85	3.62	0.00	29.45	3.85	3.62	0.00
26.90	3.85	3.62	0.00	29.50	3.85	3.62	0.00
26.95	3.85	3.62	0.00	29.55	3.85	3.62	0.00
27.00	3.85	3.62	0.00	29.60	3.85	3.62	0.00
27.05	3.85	3.62	0.00	29.65	3.85	3.62	0.00
27.10	3.85	3.62	0.00	29.70	3.85	3.62	0.00
27.15	3.85	3.62	0.00	29.75	3.85	3.62	0.00
27.20	3.85	3.62	0.00	29.80	3.85	3.62	0.00
27.25	3.85	3.62	0.00	29.85	3.85	3.62	0.00
27.30	3.85	3.62	0.00	29.90	3.85	3.62	0.00
27.35	3.85	3.62	0.00	29.95	3.85	3.62	0.00
27.40	3.85	3.62	0.00	30.00	3.85	3.62	0.00
27.45	3.85	3.62	0.00	30.05	3.85	3.62	0.00
27.50	3.85	3.62	0.00	30.10	3.85	3.62	0.00
27.55	3.85	3.62	0.00	30.15	3.85	3.62	0.00
27.60	3.85	3.62	0.00	30.20	3.85	3.62	0.00
27.65	3.85	3.62	0.00	30.25	3.85	3.62	0.00
27.70	3.85	3.62	0.00	30.30	3.85	3.62	0.00
27.75	3.85	3.62	0.00	30.35	3.85	3.62	0.00
27.80	3.85	3.62	0.00	30.40	3.85	3.62	0.00
27.85	3.85	3.62	0.00	30.45	3.85	3.62	0.00
27.90	3.85	3.62	0.00	30.50	3.85	3.62	0.00
27.95	3.85	3.62	0.00	30.55	3.85	3.62	0.00
28.00	3.85	3.62	0.00	30.60	3.85	3.62	0.00
28.05	3.85	3.62	0.00	30.65	3.85	3.62	0.00
28.10	3.85	3.62	0.00	30.70	3.85	3.62	0.00
28.15	3.85	3.62	0.00	30.75	3.85	3.62	0.00
28.20	3.85	3.62	0.00	30.80	3.85	3.62	0.00
28.25	3.85	3.62	0.00	30.85	3.85	3.62	0.00
28.30	3.85	3.62	0.00	30.90	3.85	3.62	0.00
28.35	3.85	3.62	0.00	30.95	3.85	3.62	0.00
28.40	3.85	3.62	0.00	31.00	3.85	3.62	0.00
28.45	3.85	3.62	0.00	31.05	3.85	3.62	0.00
28.50	3.85	3.62	0.00	31.10	3.85	3.62	0.00
28.55	3.85	3.62	0.00	31.15	3.85	3.62	0.00

Hydrograph for Subcatchment 50I: PDA-50 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	3.62	0.00	33.80	3.85	3.62	0.00
31.25	3.85	3.62	0.00	33.85	3.85	3.62	0.00
31.30	3.85	3.62	0.00	33.90	3.85	3.62	0.00
31.35	3.85	3.62	0.00	33.95	3.85	3.62	0.00
31.40	3.85	3.62	0.00	34.00	3.85	3.62	0.00
31.45	3.85	3.62	0.00	34.05	3.85	3.62	0.00
31.50	3.85	3.62	0.00	34.10	3.85	3.62	0.00
31.55	3.85	3.62	0.00	34.15	3.85	3.62	0.00
31.60	3.85	3.62	0.00	34.20	3.85	3.62	0.00
31.65	3.85	3.62	0.00	34.25	3.85	3.62	0.00
31.70	3.85	3.62	0.00	34.30	3.85	3.62	0.00
31.75	3.85	3.62	0.00	34.35	3.85	3.62	0.00
31.80	3.85	3.62	0.00	34.40	3.85	3.62	0.00
31.85	3.85	3.62	0.00	34.45	3.85	3.62	0.00
31.90	3.85	3.62	0.00	34.50	3.85	3.62	0.00
31.95	3.85	3.62	0.00	34.55	3.85	3.62	0.00
32.00	3.85	3.62	0.00	34.60	3.85	3.62	0.00
32.05	3.85	3.62	0.00	34.65	3.85	3.62	0.00
32.10	3.85	3.62	0.00	34.70	3.85	3.62	0.00
32.15	3.85	3.62	0.00	34.75	3.85	3.62	0.00
32.20	3.85	3.62	0.00	34.80	3.85	3.62	0.00
32.25	3.85	3.62	0.00	34.85	3.85	3.62	0.00
32.30	3.85	3.62	0.00	34.90	3.85	3.62	0.00
32.35	3.85	3.62	0.00	34.95	3.85	3.62	0.00
32.40	3.85	3.62	0.00	35.00	3.85	3.62	0.00
32.45	3.85	3.62	0.00	35.05	3.85	3.62	0.00
32.50	3.85	3.62	0.00	35.10	3.85	3.62	0.00
32.55	3.85	3.62	0.00	35.15	3.85	3.62	0.00
32.60	3.85	3.62	0.00	35.20	3.85	3.62	0.00
32.65	3.85	3.62	0.00	35.25	3.85	3.62	0.00
32.70	3.85	3.62	0.00	35.30	3.85	3.62	0.00
32.75	3.85	3.62	0.00	35.35	3.85	3.62	0.00
32.80	3.85	3.62	0.00	35.40	3.85	3.62	0.00
32.85	3.85	3.62	0.00	35.45	3.85	3.62	0.00
32.90	3.85	3.62	0.00	35.50	3.85	3.62	0.00
32.95	3.85	3.62	0.00	35.55	3.85	3.62	0.00
33.00	3.85	3.62	0.00	35.60	3.85	3.62	0.00
33.05	3.85	3.62	0.00	35.65	3.85	3.62	0.00
33.10	3.85	3.62	0.00	35.70	3.85	3.62	0.00
33.15	3.85	3.62	0.00	35.75	3.85	3.62	0.00
33.20	3.85	3.62	0.00	35.80	3.85	3.62	0.00
33.25	3.85	3.62	0.00	35.85	3.85	3.62	0.00
33.30	3.85	3.62	0.00	35.90	3.85	3.62	0.00
33.35	3.85	3.62	0.00	35.95	3.85	3.62	0.00
33.40	3.85	3.62	0.00	36.00	3.85	3.62	0.00
33.45	3.85	3.62	0.00	36.05	3.85	3.62	0.00
33.50	3.85	3.62	0.00	36.10	3.85	3.62	0.00
33.55	3.85	3.62	0.00	36.15	3.85	3.62	0.00
33.60	3.85	3.62	0.00	36.20	3.85	3.62	0.00
33.65	3.85	3.62	0.00	36.25	3.85	3.62	0.00
33.70	3.85	3.62	0.00	36.30	3.85	3.62	0.00
33.75	3.85	3.62	0.00	36.35	3.85	3.62	0.00

Hydrograph for Subcatchment 50I: PDA-50 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	3.62	0.00
36.45	3.85	3.62	0.00
36.50	3.85	3.62	0.00
36.55	3.85	3.62	0.00
36.60	3.85	3.62	0.00
36.65	3.85	3.62	0.00
36.70	3.85	3.62	0.00
36.75	3.85	3.62	0.00
36.80	3.85	3.62	0.00
36.85	3.85	3.62	0.00
36.90	3.85	3.62	0.00
36.95	3.85	3.62	0.00
37.00	3.85	3.62	0.00
37.05	3.85	3.62	0.00
37.10	3.85	3.62	0.00
37.15	3.85	3.62	0.00
37.20	3.85	3.62	0.00
37.25	3.85	3.62	0.00
37.30	3.85	3.62	0.00
37.35	3.85	3.62	0.00
37.40	3.85	3.62	0.00
37.45	3.85	3.62	0.00
37.50	3.85	3.62	0.00
37.55	3.85	3.62	0.00
37.60	3.85	3.62	0.00
37.65	3.85	3.62	0.00
37.70	3.85	3.62	0.00
37.75	3.85	3.62	0.00
37.80	3.85	3.62	0.00
37.85	3.85	3.62	0.00
37.90	3.85	3.62	0.00
37.95	3.85	3.62	0.00
38.00	3.85	3.62	0.00
38.05	3.85	3.62	0.00
38.10	3.85	3.62	0.00
38.15	3.85	3.62	0.00
38.20	3.85	3.62	0.00
38.25	3.85	3.62	0.00
38.30	3.85	3.62	0.00
38.35	3.85	3.62	0.00
38.40	3.85	3.62	0.00
38.45	3.85	3.62	0.00
38.50	3.85	3.62	0.00
38.55	3.85	3.62	0.00
38.60	3.85	3.62	0.00
38.65	3.85	3.62	0.00
38.70	3.85	3.62	0.00
38.75	3.85	3.62	0.00
38.80	3.85	3.62	0.00
38.85	3.85	3.62	0.00
38.90	3.85	3.62	0.00
38.95	3.85	3.62	0.00
39.00	3.85	3.62	0.00
39.05	3.85	3.62	0.00
39.10	3.85	3.62	0.00
39.15	3.85	3.62	0.00
39.20	3.85	3.62	0.00
39.25	3.85	3.62	0.00
39.30	3.85	3.62	0.00
39.35	3.85	3.62	0.00
39.40	3.85	3.62	0.00
39.45	3.85	3.62	0.00
39.50	3.85	3.62	0.00
39.55	3.85	3.62	0.00
39.60	3.85	3.62	0.00
39.65	3.85	3.62	0.00
39.70	3.85	3.62	0.00
39.75	3.85	3.62	0.00
39.80	3.85	3.62	0.00
39.85	3.85	3.62	0.00
39.90	3.85	3.62	0.00
39.95	3.85	3.62	0.00
40.00	3.85	3.62	0.00

Summary for Subcatchment 50P: PDA-50 (pervious)

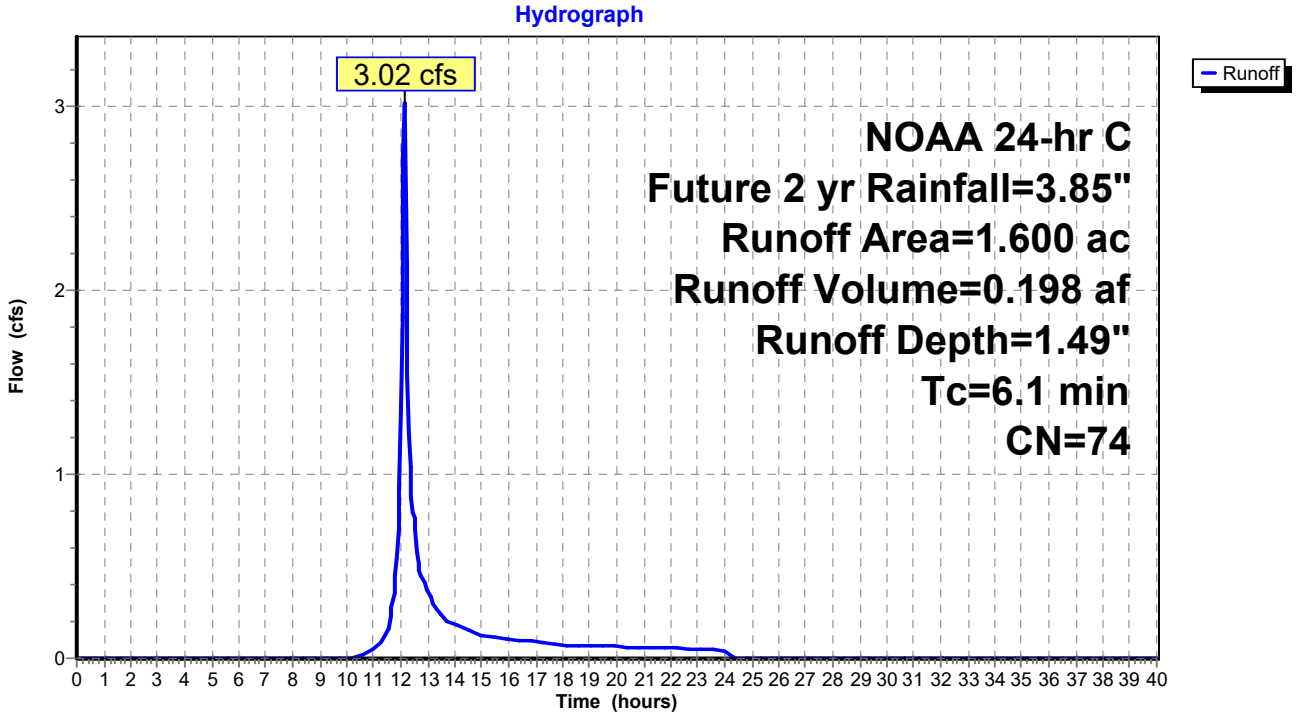
Runoff = 3.02 cfs @ 12.14 hrs, Volume= 0.198 af, Depth= 1.49"
Routed to Pond B-50 : Basin #50

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
1.600	74	>75% Grass cover, Good, HSG C
1.600		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.1					**Direct Entry,**

Subcatchment 50P: PDA-50 (pervious)



Hydrograph for Subcatchment 50P: PDA-50 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment 50P: PDA-50 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.01
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.01

Hydrograph for Subcatchment 50P: PDA-50 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.01	13.00	2.93	0.86	0.36
10.45	0.78	0.00	0.01	13.05	2.94	0.87	0.35
10.50	0.79	0.00	0.01	13.10	2.96	0.88	0.32
10.55	0.80	0.00	0.01	13.15	2.97	0.89	0.31
10.60	0.82	0.00	0.02	13.20	2.98	0.90	0.30
10.65	0.83	0.00	0.02	13.25	3.00	0.91	0.29
10.70	0.84	0.01	0.02	13.30	3.01	0.92	0.28
10.75	0.85	0.01	0.03	13.35	3.02	0.92	0.27
10.80	0.87	0.01	0.03	13.40	3.03	0.93	0.25
10.85	0.88	0.01	0.03	13.45	3.05	0.94	0.24
10.90	0.89	0.01	0.04	13.50	3.06	0.94	0.23
10.95	0.91	0.01	0.04	13.55	3.07	0.95	0.22
11.00	0.92	0.01	0.05	13.60	3.08	0.96	0.21
11.05	0.94	0.02	0.05	13.65	3.09	0.96	0.20
11.10	0.96	0.02	0.06	13.70	3.09	0.97	0.20
11.15	0.98	0.02	0.07	13.75	3.10	0.97	0.20
11.20	1.00	0.02	0.08	13.80	3.11	0.98	0.19
11.25	1.02	0.03	0.09	13.85	3.12	0.99	0.19
11.30	1.04	0.03	0.10	13.90	3.13	0.99	0.19
11.35	1.06	0.03	0.11	13.95	3.14	1.00	0.19
11.40	1.09	0.04	0.12	14.00	3.15	1.00	0.18
11.45	1.11	0.04	0.14	14.05	3.16	1.01	0.18
11.50	1.14	0.05	0.15	14.10	3.16	1.01	0.18
11.55	1.18	0.06	0.18	14.15	3.17	1.02	0.17
11.60	1.22	0.07	0.23	14.20	3.18	1.02	0.17
11.65	1.26	0.08	0.28	14.25	3.19	1.03	0.17
11.70	1.30	0.09	0.31	14.30	3.20	1.03	0.17
11.75	1.35	0.10	0.36	14.35	3.20	1.04	0.16
11.80	1.41	0.12	0.45	14.40	3.21	1.04	0.16
11.85	1.49	0.14	0.55	14.45	3.22	1.05	0.16
11.90	1.57	0.17	0.70	14.50	3.23	1.05	0.15
11.95	1.70	0.22	0.92	14.55	3.23	1.06	0.15
12.00	1.83	0.28	1.34	14.60	3.24	1.06	0.15
12.05	2.06	0.38	1.86	14.65	3.25	1.07	0.15
12.10	2.28	0.49	2.72	14.70	3.25	1.07	0.14
12.15	2.36	0.53	**2.98**	14.75	3.26	1.08	0.14
12.20	2.44	0.57	2.14	14.80	3.26	1.08	0.14
12.25	2.50	0.61	1.55	14.85	3.27	1.08	0.13
12.30	2.55	0.64	1.22	14.90	3.28	1.09	0.13
12.35	2.59	0.66	1.04	14.95	3.28	1.09	0.13
12.40	2.63	0.69	0.88	15.00	3.29	1.10	0.12
12.45	2.67	0.71	0.79	15.05	3.29	1.10	0.12
12.50	2.71	0.73	0.76	15.10	3.30	1.10	0.12
12.55	2.74	0.75	0.71	15.15	3.30	1.11	0.12
12.60	2.76	0.76	0.58	15.20	3.31	1.11	0.12
12.65	2.79	0.78	0.51	15.25	3.31	1.11	0.11
12.70	2.81	0.79	0.48	15.30	3.32	1.12	0.11
12.75	2.83	0.80	0.46	15.35	3.32	1.12	0.11
12.80	2.85	0.82	0.44	15.40	3.33	1.12	0.11
12.85	2.87	0.83	0.42	15.45	3.34	1.13	0.11
12.90	2.89	0.84	0.40	15.50	3.34	1.13	0.11
12.95	2.91	0.85	0.39	15.55	3.35	1.13	0.11

Hydrograph for Subcatchment 50P: PDA-50 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	1.14	0.11	18.20	3.56	1.28	0.07
15.65	3.36	1.14	0.11	18.25	3.56	1.28	0.07
15.70	3.36	1.14	0.11	18.30	3.56	1.28	0.07
15.75	3.36	1.15	0.11	18.35	3.57	1.29	0.07
15.80	3.37	1.15	0.11	18.40	3.57	1.29	0.07
15.85	3.37	1.15	0.11	18.45	3.57	1.29	0.07
15.90	3.38	1.16	0.11	18.50	3.58	1.29	0.07
15.95	3.38	1.16	0.10	18.55	3.58	1.29	0.07
16.00	3.39	1.16	0.10	18.60	3.58	1.30	0.07
16.05	3.39	1.17	0.10	18.65	3.58	1.30	0.07
16.10	3.40	1.17	0.10	18.70	3.59	1.30	0.07
16.15	3.40	1.17	0.10	18.75	3.59	1.30	0.07
16.20	3.41	1.18	0.10	18.80	3.59	1.30	0.07
16.25	3.41	1.18	0.10	18.85	3.60	1.31	0.07
16.30	3.42	1.18	0.10	18.90	3.60	1.31	0.07
16.35	3.42	1.19	0.10	18.95	3.60	1.31	0.07
16.40	3.42	1.19	0.10	19.00	3.61	1.31	0.07
16.45	3.43	1.19	0.10	19.05	3.61	1.32	0.07
16.50	3.43	1.19	0.10	19.10	3.61	1.32	0.07
16.55	3.44	1.20	0.10	19.15	3.61	1.32	0.07
16.60	3.44	1.20	0.09	19.20	3.62	1.32	0.07
16.65	3.45	1.20	0.09	19.25	3.62	1.32	0.07
16.70	3.45	1.21	0.09	19.30	3.62	1.33	0.07
16.75	3.45	1.21	0.09	19.35	3.63	1.33	0.06
16.80	3.46	1.21	0.09	19.40	3.63	1.33	0.06
16.85	3.46	1.21	0.09	19.45	3.63	1.33	0.06
16.90	3.47	1.22	0.09	19.50	3.63	1.33	0.06
16.95	3.47	1.22	0.09	19.55	3.64	1.34	0.06
17.00	3.47	1.22	0.09	19.60	3.64	1.34	0.06
17.05	3.48	1.22	0.09	19.65	3.64	1.34	0.06
17.10	3.48	1.23	0.09	19.70	3.65	1.34	0.06
17.15	3.49	1.23	0.09	19.75	3.65	1.34	0.06
17.20	3.49	1.23	0.08	19.80	3.65	1.34	0.06
17.25	3.49	1.24	0.08	19.85	3.65	1.35	0.06
17.30	3.50	1.24	0.08	19.90	3.66	1.35	0.06
17.35	3.50	1.24	0.08	19.95	3.66	1.35	0.06
17.40	3.50	1.24	0.08	20.00	3.66	1.35	0.06
17.45	3.51	1.25	0.08	20.05	3.66	1.35	0.06
17.50	3.51	1.25	0.08	20.10	3.67	1.36	0.06
17.55	3.52	1.25	0.08	20.15	3.67	1.36	0.06
17.60	3.52	1.25	0.08	20.20	3.67	1.36	0.06
17.65	3.52	1.26	0.08	20.25	3.68	1.36	0.06
17.70	3.53	1.26	0.08	20.30	3.68	1.36	0.06
17.75	3.53	1.26	0.08	20.35	3.68	1.37	0.06
17.80	3.53	1.26	0.08	20.40	3.68	1.37	0.06
17.85	3.54	1.26	0.07	20.45	3.69	1.37	0.06
17.90	3.54	1.27	0.07	20.50	3.69	1.37	0.06
17.95	3.54	1.27	0.07	20.55	3.69	1.37	0.06
18.00	3.54	1.27	0.07	20.60	3.69	1.38	0.06
18.05	3.55	1.27	0.07	20.65	3.70	1.38	0.06
18.10	3.55	1.28	0.07	20.70	3.70	1.38	0.06
18.15	3.55	1.28	0.07	20.75	3.70	1.38	0.06

Hydrograph for Subcatchment 50P: PDA-50 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	1.38	0.06	23.40	3.82	1.47	0.05
20.85	3.71	1.38	0.06	23.45	3.83	1.47	0.05
20.90	3.71	1.39	0.06	23.50	3.83	1.47	0.05
20.95	3.71	1.39	0.06	23.55	3.83	1.47	0.05
21.00	3.71	1.39	0.06	23.60	3.83	1.47	0.05
21.05	3.72	1.39	0.06	23.65	3.84	1.48	0.05
21.10	3.72	1.39	0.06	23.70	3.84	1.48	0.05
21.15	3.72	1.40	0.06	23.75	3.84	1.48	0.05
21.20	3.72	1.40	0.06	23.80	3.84	1.48	0.05
21.25	3.73	1.40	0.06	23.85	3.84	1.48	0.05
21.30	3.73	1.40	0.06	23.90	3.85	1.48	0.05
21.35	3.73	1.40	0.06	23.95	3.85	1.49	0.05
21.40	3.73	1.40	0.06	24.00	**3.85**	**1.49**	0.05
21.45	3.74	1.41	0.06	24.05	3.85	1.49	0.05
21.50	3.74	1.41	0.06	24.10	3.85	1.49	0.02
21.55	3.74	1.41	0.06	24.15	3.85	1.49	0.01
21.60	3.74	1.41	0.06	24.20	3.85	1.49	0.00
21.65	3.75	1.41	0.06	24.25	3.85	1.49	0.00
21.70	3.75	1.41	0.06	24.30	3.85	1.49	0.00
21.75	3.75	1.42	0.06	24.35	3.85	1.49	0.00
21.80	3.75	1.42	0.06	24.40	3.85	1.49	0.00
21.85	3.76	1.42	0.06	24.45	3.85	1.49	0.00
21.90	3.76	1.42	0.05	24.50	3.85	1.49	0.00
21.95	3.76	1.42	0.05	24.55	3.85	1.49	0.00
22.00	3.76	1.42	0.05	24.60	3.85	1.49	0.00
22.05	3.77	1.43	0.05	24.65	3.85	1.49	0.00
22.10	3.77	1.43	0.05	24.70	3.85	1.49	0.00
22.15	3.77	1.43	0.05	24.75	3.85	1.49	0.00
22.20	3.77	1.43	0.05	24.80	3.85	1.49	0.00
22.25	3.77	1.43	0.05	24.85	3.85	1.49	0.00
22.30	3.78	1.43	0.05	24.90	3.85	1.49	0.00
22.35	3.78	1.44	0.05	24.95	3.85	1.49	0.00
22.40	3.78	1.44	0.05	25.00	3.85	1.49	0.00
22.45	3.78	1.44	0.05	25.05	3.85	1.49	0.00
22.50	3.79	1.44	0.05	25.10	3.85	1.49	0.00
22.55	3.79	1.44	0.05	25.15	3.85	1.49	0.00
22.60	3.79	1.44	0.05	25.20	3.85	1.49	0.00
22.65	3.79	1.45	0.05	25.25	3.85	1.49	0.00
22.70	3.79	1.45	0.05	25.30	3.85	1.49	0.00
22.75	3.80	1.45	0.05	25.35	3.85	1.49	0.00
22.80	3.80	1.45	0.05	25.40	3.85	1.49	0.00
22.85	3.80	1.45	0.05	25.45	3.85	1.49	0.00
22.90	3.80	1.45	0.05	25.50	3.85	1.49	0.00
22.95	3.81	1.46	0.05	25.55	3.85	1.49	0.00
23.00	3.81	1.46	0.05	25.60	3.85	1.49	0.00
23.05	3.81	1.46	0.05	25.65	3.85	1.49	0.00
23.10	3.81	1.46	0.05	25.70	3.85	1.49	0.00
23.15	3.81	1.46	0.05	25.75	3.85	1.49	0.00
23.20	3.82	1.46	0.05	25.80	3.85	1.49	0.00
23.25	3.82	1.46	0.05	25.85	3.85	1.49	0.00
23.30	3.82	1.47	0.05	25.90	3.85	1.49	0.00
23.35	3.82	1.47	0.05	25.95	3.85	1.49	0.00

Hydrograph for Subcatchment 50P: PDA-50 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.49	0.00	28.60	3.85	1.49	0.00
26.05	3.85	1.49	0.00	28.65	3.85	1.49	0.00
26.10	3.85	1.49	0.00	28.70	3.85	1.49	0.00
26.15	3.85	1.49	0.00	28.75	3.85	1.49	0.00
26.20	3.85	1.49	0.00	28.80	3.85	1.49	0.00
26.25	3.85	1.49	0.00	28.85	3.85	1.49	0.00
26.30	3.85	1.49	0.00	28.90	3.85	1.49	0.00
26.35	3.85	1.49	0.00	28.95	3.85	1.49	0.00
26.40	3.85	1.49	0.00	29.00	3.85	1.49	0.00
26.45	3.85	1.49	0.00	29.05	3.85	1.49	0.00
26.50	3.85	1.49	0.00	29.10	3.85	1.49	0.00
26.55	3.85	1.49	0.00	29.15	3.85	1.49	0.00
26.60	3.85	1.49	0.00	29.20	3.85	1.49	0.00
26.65	3.85	1.49	0.00	29.25	3.85	1.49	0.00
26.70	3.85	1.49	0.00	29.30	3.85	1.49	0.00
26.75	3.85	1.49	0.00	29.35	3.85	1.49	0.00
26.80	3.85	1.49	0.00	29.40	3.85	1.49	0.00
26.85	3.85	1.49	0.00	29.45	3.85	1.49	0.00
26.90	3.85	1.49	0.00	29.50	3.85	1.49	0.00
26.95	3.85	1.49	0.00	29.55	3.85	1.49	0.00
27.00	3.85	1.49	0.00	29.60	3.85	1.49	0.00
27.05	3.85	1.49	0.00	29.65	3.85	1.49	0.00
27.10	3.85	1.49	0.00	29.70	3.85	1.49	0.00
27.15	3.85	1.49	0.00	29.75	3.85	1.49	0.00
27.20	3.85	1.49	0.00	29.80	3.85	1.49	0.00
27.25	3.85	1.49	0.00	29.85	3.85	1.49	0.00
27.30	3.85	1.49	0.00	29.90	3.85	1.49	0.00
27.35	3.85	1.49	0.00	29.95	3.85	1.49	0.00
27.40	3.85	1.49	0.00	30.00	3.85	1.49	0.00
27.45	3.85	1.49	0.00	30.05	3.85	1.49	0.00
27.50	3.85	1.49	0.00	30.10	3.85	1.49	0.00
27.55	3.85	1.49	0.00	30.15	3.85	1.49	0.00
27.60	3.85	1.49	0.00	30.20	3.85	1.49	0.00
27.65	3.85	1.49	0.00	30.25	3.85	1.49	0.00
27.70	3.85	1.49	0.00	30.30	3.85	1.49	0.00
27.75	3.85	1.49	0.00	30.35	3.85	1.49	0.00
27.80	3.85	1.49	0.00	30.40	3.85	1.49	0.00
27.85	3.85	1.49	0.00	30.45	3.85	1.49	0.00
27.90	3.85	1.49	0.00	30.50	3.85	1.49	0.00
27.95	3.85	1.49	0.00	30.55	3.85	1.49	0.00
28.00	3.85	1.49	0.00	30.60	3.85	1.49	0.00
28.05	3.85	1.49	0.00	30.65	3.85	1.49	0.00
28.10	3.85	1.49	0.00	30.70	3.85	1.49	0.00
28.15	3.85	1.49	0.00	30.75	3.85	1.49	0.00
28.20	3.85	1.49	0.00	30.80	3.85	1.49	0.00
28.25	3.85	1.49	0.00	30.85	3.85	1.49	0.00
28.30	3.85	1.49	0.00	30.90	3.85	1.49	0.00
28.35	3.85	1.49	0.00	30.95	3.85	1.49	0.00
28.40	3.85	1.49	0.00	31.00	3.85	1.49	0.00
28.45	3.85	1.49	0.00	31.05	3.85	1.49	0.00
28.50	3.85	1.49	0.00	31.10	3.85	1.49	0.00
28.55	3.85	1.49	0.00	31.15	3.85	1.49	0.00

Hydrograph for Subcatchment 50P: PDA-50 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.49	0.00	33.80	3.85	1.49	0.00
31.25	3.85	1.49	0.00	33.85	3.85	1.49	0.00
31.30	3.85	1.49	0.00	33.90	3.85	1.49	0.00
31.35	3.85	1.49	0.00	33.95	3.85	1.49	0.00
31.40	3.85	1.49	0.00	34.00	3.85	1.49	0.00
31.45	3.85	1.49	0.00	34.05	3.85	1.49	0.00
31.50	3.85	1.49	0.00	34.10	3.85	1.49	0.00
31.55	3.85	1.49	0.00	34.15	3.85	1.49	0.00
31.60	3.85	1.49	0.00	34.20	3.85	1.49	0.00
31.65	3.85	1.49	0.00	34.25	3.85	1.49	0.00
31.70	3.85	1.49	0.00	34.30	3.85	1.49	0.00
31.75	3.85	1.49	0.00	34.35	3.85	1.49	0.00
31.80	3.85	1.49	0.00	34.40	3.85	1.49	0.00
31.85	3.85	1.49	0.00	34.45	3.85	1.49	0.00
31.90	3.85	1.49	0.00	34.50	3.85	1.49	0.00
31.95	3.85	1.49	0.00	34.55	3.85	1.49	0.00
32.00	3.85	1.49	0.00	34.60	3.85	1.49	0.00
32.05	3.85	1.49	0.00	34.65	3.85	1.49	0.00
32.10	3.85	1.49	0.00	34.70	3.85	1.49	0.00
32.15	3.85	1.49	0.00	34.75	3.85	1.49	0.00
32.20	3.85	1.49	0.00	34.80	3.85	1.49	0.00
32.25	3.85	1.49	0.00	34.85	3.85	1.49	0.00
32.30	3.85	1.49	0.00	34.90	3.85	1.49	0.00
32.35	3.85	1.49	0.00	34.95	3.85	1.49	0.00
32.40	3.85	1.49	0.00	35.00	3.85	1.49	0.00
32.45	3.85	1.49	0.00	35.05	3.85	1.49	0.00
32.50	3.85	1.49	0.00	35.10	3.85	1.49	0.00
32.55	3.85	1.49	0.00	35.15	3.85	1.49	0.00
32.60	3.85	1.49	0.00	35.20	3.85	1.49	0.00
32.65	3.85	1.49	0.00	35.25	3.85	1.49	0.00
32.70	3.85	1.49	0.00	35.30	3.85	1.49	0.00
32.75	3.85	1.49	0.00	35.35	3.85	1.49	0.00
32.80	3.85	1.49	0.00	35.40	3.85	1.49	0.00
32.85	3.85	1.49	0.00	35.45	3.85	1.49	0.00
32.90	3.85	1.49	0.00	35.50	3.85	1.49	0.00
32.95	3.85	1.49	0.00	35.55	3.85	1.49	0.00
33.00	3.85	1.49	0.00	35.60	3.85	1.49	0.00
33.05	3.85	1.49	0.00	35.65	3.85	1.49	0.00
33.10	3.85	1.49	0.00	35.70	3.85	1.49	0.00
33.15	3.85	1.49	0.00	35.75	3.85	1.49	0.00
33.20	3.85	1.49	0.00	35.80	3.85	1.49	0.00
33.25	3.85	1.49	0.00	35.85	3.85	1.49	0.00
33.30	3.85	1.49	0.00	35.90	3.85	1.49	0.00
33.35	3.85	1.49	0.00	35.95	3.85	1.49	0.00
33.40	3.85	1.49	0.00	36.00	3.85	1.49	0.00
33.45	3.85	1.49	0.00	36.05	3.85	1.49	0.00
33.50	3.85	1.49	0.00	36.10	3.85	1.49	0.00
33.55	3.85	1.49	0.00	36.15	3.85	1.49	0.00
33.60	3.85	1.49	0.00	36.20	3.85	1.49	0.00
33.65	3.85	1.49	0.00	36.25	3.85	1.49	0.00
33.70	3.85	1.49	0.00	36.30	3.85	1.49	0.00
33.75	3.85	1.49	0.00	36.35	3.85	1.49	0.00

Hydrograph for Subcatchment 50P: PDA-50 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.49	0.00
36.45	3.85	1.49	0.00
36.50	3.85	1.49	0.00
36.55	3.85	1.49	0.00
36.60	3.85	1.49	0.00
36.65	3.85	1.49	0.00
36.70	3.85	1.49	0.00
36.75	3.85	1.49	0.00
36.80	3.85	1.49	0.00
36.85	3.85	1.49	0.00
36.90	3.85	1.49	0.00
36.95	3.85	1.49	0.00
37.00	3.85	1.49	0.00
37.05	3.85	1.49	0.00
37.10	3.85	1.49	0.00
37.15	3.85	1.49	0.00
37.20	3.85	1.49	0.00
37.25	3.85	1.49	0.00
37.30	3.85	1.49	0.00
37.35	3.85	1.49	0.00
37.40	3.85	1.49	0.00
37.45	3.85	1.49	0.00
37.50	3.85	1.49	0.00
37.55	3.85	1.49	0.00
37.60	3.85	1.49	0.00
37.65	3.85	1.49	0.00
37.70	3.85	1.49	0.00
37.75	3.85	1.49	0.00
37.80	3.85	1.49	0.00
37.85	3.85	1.49	0.00
37.90	3.85	1.49	0.00
37.95	3.85	1.49	0.00
38.00	3.85	1.49	0.00
38.05	3.85	1.49	0.00
38.10	3.85	1.49	0.00
38.15	3.85	1.49	0.00
38.20	3.85	1.49	0.00
38.25	3.85	1.49	0.00
38.30	3.85	1.49	0.00
38.35	3.85	1.49	0.00
38.40	3.85	1.49	0.00
38.45	3.85	1.49	0.00
38.50	3.85	1.49	0.00
38.55	3.85	1.49	0.00
38.60	3.85	1.49	0.00
38.65	3.85	1.49	0.00
38.70	3.85	1.49	0.00
38.75	3.85	1.49	0.00
38.80	3.85	1.49	0.00
38.85	3.85	1.49	0.00
38.90	3.85	1.49	0.00
38.95	3.85	1.49	0.00
39.00	3.85	1.49	0.00
39.05	3.85	1.49	0.00
39.10	3.85	1.49	0.00
39.15	3.85	1.49	0.00
39.20	3.85	1.49	0.00
39.25	3.85	1.49	0.00
39.30	3.85	1.49	0.00
39.35	3.85	1.49	0.00
39.40	3.85	1.49	0.00
39.45	3.85	1.49	0.00
39.50	3.85	1.49	0.00
39.55	3.85	1.49	0.00
39.60	3.85	1.49	0.00
39.65	3.85	1.49	0.00
39.70	3.85	1.49	0.00
39.75	3.85	1.49	0.00
39.80	3.85	1.49	0.00
39.85	3.85	1.49	0.00
39.90	3.85	1.49	0.00
39.95	3.85	1.49	0.00
40.00	3.85	1.49	0.00

Summary for Subcatchment UPDA-5: PDA-5 (undetained)

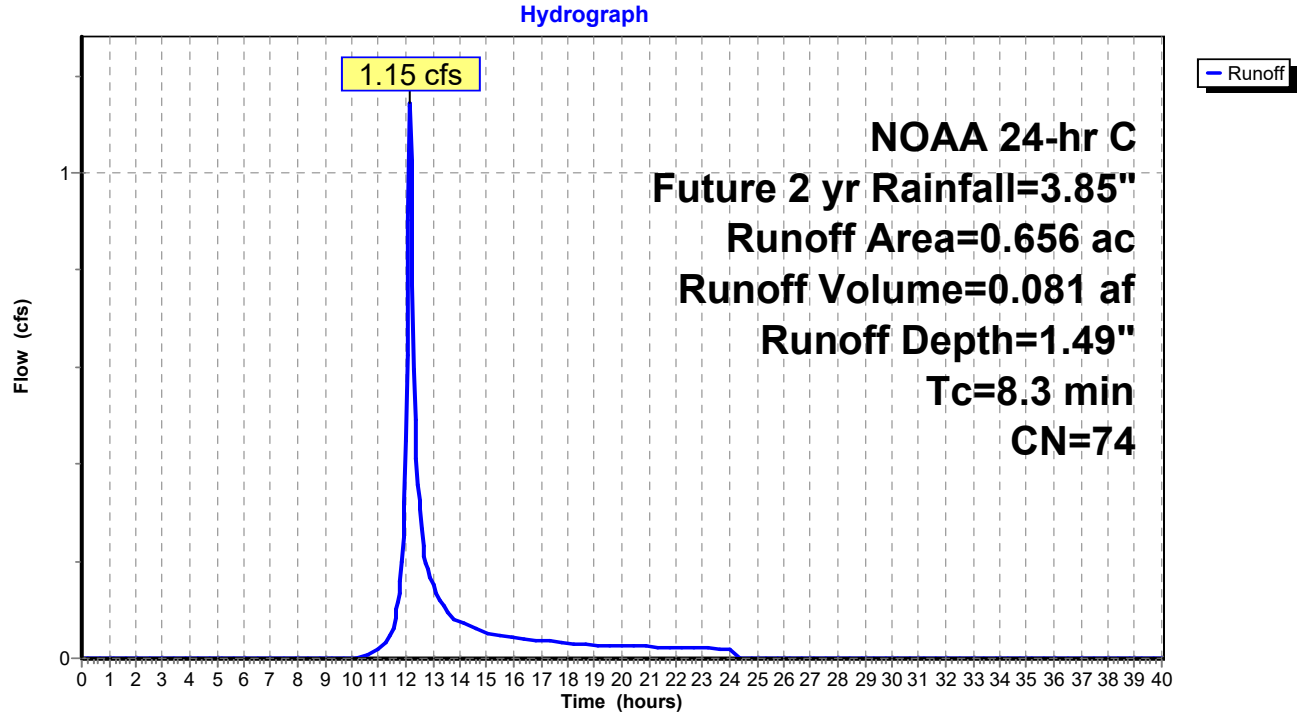
Runoff = 1.15 cfs @ 12.16 hrs, Volume= 0.081 af, Depth= 1.49"
Routed to Link PDA-5 : Proposed Drainage Area #5

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
0.656	74	>75% Grass cover, Good, HSG C
0.656		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.3					**Direct Entry,**

Subcatchment UPDA-5: PDA-5 (undetained)



Hydrograph for Subcatchment UPDA-5: PDA-5 (undetained)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment UPDA-5: PDA-5 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.00
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.00

Hydrograph for Subcatchment UPDA-5: PDA-5 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.00	13.00	2.93	0.86	0.15
10.45	0.78	0.00	0.00	13.05	2.94	0.87	0.15
10.50	0.79	0.00	0.00	13.10	2.96	0.88	0.14
10.55	0.80	0.00	0.01	13.15	2.97	0.89	0.13
10.60	0.82	0.00	0.01	13.20	2.98	0.90	0.13
10.65	0.83	0.00	0.01	13.25	3.00	0.91	0.12
10.70	0.84	0.01	0.01	13.30	3.01	0.92	0.12
10.75	0.85	0.01	0.01	13.35	3.02	0.92	0.11
10.80	0.87	0.01	0.01	13.40	3.03	0.93	0.11
10.85	0.88	0.01	0.01	13.45	3.05	0.94	0.10
10.90	0.89	0.01	0.01	13.50	3.06	0.94	0.10
10.95	0.91	0.01	0.02	13.55	3.07	0.95	0.09
11.00	0.92	0.01	0.02	13.60	3.08	0.96	0.09
11.05	0.94	0.02	0.02	13.65	3.09	0.96	0.09
11.10	0.96	0.02	0.02	13.70	3.09	0.97	0.08
11.15	0.98	0.02	0.03	13.75	3.10	0.97	0.08
11.20	1.00	0.02	0.03	13.80	3.11	0.98	0.08
11.25	1.02	0.03	0.03	13.85	3.12	0.99	0.08
11.30	1.04	0.03	0.04	13.90	3.13	0.99	0.08
11.35	1.06	0.03	0.04	13.95	3.14	1.00	0.08
11.40	1.09	0.04	0.05	14.00	3.15	1.00	0.08
11.45	1.11	0.04	0.05	14.05	3.16	1.01	0.07
11.50	1.14	0.05	0.06	14.10	3.16	1.01	0.07
11.55	1.18	0.06	0.07	14.15	3.17	1.02	0.07
11.60	1.22	0.07	0.08	14.20	3.18	1.02	0.07
11.65	1.26	0.08	0.10	14.25	3.19	1.03	0.07
11.70	1.30	0.09	0.12	14.30	3.20	1.03	0.07
11.75	1.35	0.10	0.13	14.35	3.20	1.04	0.07
11.80	1.41	0.12	0.16	14.40	3.21	1.04	0.07
11.85	1.49	0.14	0.20	14.45	3.22	1.05	0.07
11.90	1.57	0.17	0.25	14.50	3.23	1.05	0.06
11.95	1.70	0.22	0.32	14.55	3.23	1.06	0.06
12.00	1.83	0.28	0.45	14.60	3.24	1.06	0.06
12.05	2.06	0.38	0.63	14.65	3.25	1.07	0.06
12.10	2.28	0.49	0.90	14.70	3.25	1.07	0.06
12.15	2.36	0.53	**1.14**	14.75	3.26	1.08	0.06
12.20	2.44	0.57	1.03	14.80	3.26	1.08	0.06
12.25	2.50	0.61	0.77	14.85	3.27	1.08	0.06
12.30	2.55	0.64	0.60	14.90	3.28	1.09	0.05
12.35	2.59	0.66	0.49	14.95	3.28	1.09	0.05
12.40	2.63	0.69	0.41	15.00	3.29	1.10	0.05
12.45	2.67	0.71	0.36	15.05	3.29	1.10	0.05
12.50	2.71	0.73	0.33	15.10	3.30	1.10	0.05
12.55	2.74	0.75	0.31	15.15	3.30	1.11	0.05
12.60	2.76	0.76	0.27	15.20	3.31	1.11	0.05
12.65	2.79	0.78	0.23	15.25	3.31	1.11	0.05
12.70	2.81	0.79	0.21	15.30	3.32	1.12	0.05
12.75	2.83	0.80	0.20	15.35	3.32	1.12	0.05
12.80	2.85	0.82	0.19	15.40	3.33	1.12	0.05
12.85	2.87	0.83	0.18	15.45	3.34	1.13	0.05
12.90	2.89	0.84	0.17	15.50	3.34	1.13	0.05
12.95	2.91	0.85	0.16	15.55	3.35	1.13	0.05

Hydrograph for Subcatchment UPDA-5: PDA-5 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	1.14	0.05	18.20	3.56	1.28	0.03
15.65	3.36	1.14	0.04	18.25	3.56	1.28	0.03
15.70	3.36	1.14	0.04	18.30	3.56	1.28	0.03
15.75	3.36	1.15	0.04	18.35	3.57	1.29	0.03
15.80	3.37	1.15	0.04	18.40	3.57	1.29	0.03
15.85	3.37	1.15	0.04	18.45	3.57	1.29	0.03
15.90	3.38	1.16	0.04	18.50	3.58	1.29	0.03
15.95	3.38	1.16	0.04	18.55	3.58	1.29	0.03
16.00	3.39	1.16	0.04	18.60	3.58	1.30	0.03
16.05	3.39	1.17	0.04	18.65	3.58	1.30	0.03
16.10	3.40	1.17	0.04	18.70	3.59	1.30	0.03
16.15	3.40	1.17	0.04	18.75	3.59	1.30	0.03
16.20	3.41	1.18	0.04	18.80	3.59	1.30	0.03
16.25	3.41	1.18	0.04	18.85	3.60	1.31	0.03
16.30	3.42	1.18	0.04	18.90	3.60	1.31	0.03
16.35	3.42	1.19	0.04	18.95	3.60	1.31	0.03
16.40	3.42	1.19	0.04	19.00	3.61	1.31	0.03
16.45	3.43	1.19	0.04	19.05	3.61	1.32	0.03
16.50	3.43	1.19	0.04	19.10	3.61	1.32	0.03
16.55	3.44	1.20	0.04	19.15	3.61	1.32	0.03
16.60	3.44	1.20	0.04	19.20	3.62	1.32	0.03
16.65	3.45	1.20	0.04	19.25	3.62	1.32	0.03
16.70	3.45	1.21	0.04	19.30	3.62	1.33	0.03
16.75	3.45	1.21	0.04	19.35	3.63	1.33	0.03
16.80	3.46	1.21	0.04	19.40	3.63	1.33	0.03
16.85	3.46	1.21	0.04	19.45	3.63	1.33	0.03
16.90	3.47	1.22	0.04	19.50	3.63	1.33	0.03
16.95	3.47	1.22	0.04	19.55	3.64	1.34	0.03
17.00	3.47	1.22	0.04	19.60	3.64	1.34	0.03
17.05	3.48	1.22	0.04	19.65	3.64	1.34	0.03
17.10	3.48	1.23	0.04	19.70	3.65	1.34	0.03
17.15	3.49	1.23	0.04	19.75	3.65	1.34	0.03
17.20	3.49	1.23	0.04	19.80	3.65	1.34	0.03
17.25	3.49	1.24	0.03	19.85	3.65	1.35	0.03
17.30	3.50	1.24	0.03	19.90	3.66	1.35	0.03
17.35	3.50	1.24	0.03	19.95	3.66	1.35	0.03
17.40	3.50	1.24	0.03	20.00	3.66	1.35	0.03
17.45	3.51	1.25	0.03	20.05	3.66	1.35	0.03
17.50	3.51	1.25	0.03	20.10	3.67	1.36	0.03
17.55	3.52	1.25	0.03	20.15	3.67	1.36	0.03
17.60	3.52	1.25	0.03	20.20	3.67	1.36	0.03
17.65	3.52	1.26	0.03	20.25	3.68	1.36	0.03
17.70	3.53	1.26	0.03	20.30	3.68	1.36	0.03
17.75	3.53	1.26	0.03	20.35	3.68	1.37	0.03
17.80	3.53	1.26	0.03	20.40	3.68	1.37	0.02
17.85	3.54	1.26	0.03	20.45	3.69	1.37	0.02
17.90	3.54	1.27	0.03	20.50	3.69	1.37	0.02
17.95	3.54	1.27	0.03	20.55	3.69	1.37	0.02
18.00	3.54	1.27	0.03	20.60	3.69	1.38	0.02
18.05	3.55	1.27	0.03	20.65	3.70	1.38	0.02
18.10	3.55	1.28	0.03	20.70	3.70	1.38	0.02
18.15	3.55	1.28	0.03	20.75	3.70	1.38	0.02

Hydrograph for Subcatchment UPDA-5: PDA-5 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	1.38	0.02	23.40	3.82	1.47	0.02
20.85	3.71	1.38	0.02	23.45	3.83	1.47	0.02
20.90	3.71	1.39	0.02	23.50	3.83	1.47	0.02
20.95	3.71	1.39	0.02	23.55	3.83	1.47	0.02
21.00	3.71	1.39	0.02	23.60	3.83	1.47	0.02
21.05	3.72	1.39	0.02	23.65	3.84	1.48	0.02
21.10	3.72	1.39	0.02	23.70	3.84	1.48	0.02
21.15	3.72	1.40	0.02	23.75	3.84	1.48	0.02
21.20	3.72	1.40	0.02	23.80	3.84	1.48	0.02
21.25	3.73	1.40	0.02	23.85	3.84	1.48	0.02
21.30	3.73	1.40	0.02	23.90	3.85	1.48	0.02
21.35	3.73	1.40	0.02	23.95	3.85	1.49	0.02
21.40	3.73	1.40	0.02	24.00	**3.85**	**1.49**	0.02
21.45	3.74	1.41	0.02	24.05	3.85	1.49	0.02
21.50	3.74	1.41	0.02	24.10	3.85	1.49	0.01
21.55	3.74	1.41	0.02	24.15	3.85	1.49	0.01
21.60	3.74	1.41	0.02	24.20	3.85	1.49	0.00
21.65	3.75	1.41	0.02	24.25	3.85	1.49	0.00
21.70	3.75	1.41	0.02	24.30	3.85	1.49	0.00
21.75	3.75	1.42	0.02	24.35	3.85	1.49	0.00
21.80	3.75	1.42	0.02	24.40	3.85	1.49	0.00
21.85	3.76	1.42	0.02	24.45	3.85	1.49	0.00
21.90	3.76	1.42	0.02	24.50	3.85	1.49	0.00
21.95	3.76	1.42	0.02	24.55	3.85	1.49	0.00
22.00	3.76	1.42	0.02	24.60	3.85	1.49	0.00
22.05	3.77	1.43	0.02	24.65	3.85	1.49	0.00
22.10	3.77	1.43	0.02	24.70	3.85	1.49	0.00
22.15	3.77	1.43	0.02	24.75	3.85	1.49	0.00
22.20	3.77	1.43	0.02	24.80	3.85	1.49	0.00
22.25	3.77	1.43	0.02	24.85	3.85	1.49	0.00
22.30	3.78	1.43	0.02	24.90	3.85	1.49	0.00
22.35	3.78	1.44	0.02	24.95	3.85	1.49	0.00
22.40	3.78	1.44	0.02	25.00	3.85	1.49	0.00
22.45	3.78	1.44	0.02	25.05	3.85	1.49	0.00
22.50	3.79	1.44	0.02	25.10	3.85	1.49	0.00
22.55	3.79	1.44	0.02	25.15	3.85	1.49	0.00
22.60	3.79	1.44	0.02	25.20	3.85	1.49	0.00
22.65	3.79	1.45	0.02	25.25	3.85	1.49	0.00
22.70	3.79	1.45	0.02	25.30	3.85	1.49	0.00
22.75	3.80	1.45	0.02	25.35	3.85	1.49	0.00
22.80	3.80	1.45	0.02	25.40	3.85	1.49	0.00
22.85	3.80	1.45	0.02	25.45	3.85	1.49	0.00
22.90	3.80	1.45	0.02	25.50	3.85	1.49	0.00
22.95	3.81	1.46	0.02	25.55	3.85	1.49	0.00
23.00	3.81	1.46	0.02	25.60	3.85	1.49	0.00
23.05	3.81	1.46	0.02	25.65	3.85	1.49	0.00
23.10	3.81	1.46	0.02	25.70	3.85	1.49	0.00
23.15	3.81	1.46	0.02	25.75	3.85	1.49	0.00
23.20	3.82	1.46	0.02	25.80	3.85	1.49	0.00
23.25	3.82	1.46	0.02	25.85	3.85	1.49	0.00
23.30	3.82	1.47	0.02	25.90	3.85	1.49	0.00
23.35	3.82	1.47	0.02	25.95	3.85	1.49	0.00

Hydrograph for Subcatchment UPDA-5: PDA-5 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.49	0.00	28.60	3.85	1.49	0.00
26.05	3.85	1.49	0.00	28.65	3.85	1.49	0.00
26.10	3.85	1.49	0.00	28.70	3.85	1.49	0.00
26.15	3.85	1.49	0.00	28.75	3.85	1.49	0.00
26.20	3.85	1.49	0.00	28.80	3.85	1.49	0.00
26.25	3.85	1.49	0.00	28.85	3.85	1.49	0.00
26.30	3.85	1.49	0.00	28.90	3.85	1.49	0.00
26.35	3.85	1.49	0.00	28.95	3.85	1.49	0.00
26.40	3.85	1.49	0.00	29.00	3.85	1.49	0.00
26.45	3.85	1.49	0.00	29.05	3.85	1.49	0.00
26.50	3.85	1.49	0.00	29.10	3.85	1.49	0.00
26.55	3.85	1.49	0.00	29.15	3.85	1.49	0.00
26.60	3.85	1.49	0.00	29.20	3.85	1.49	0.00
26.65	3.85	1.49	0.00	29.25	3.85	1.49	0.00
26.70	3.85	1.49	0.00	29.30	3.85	1.49	0.00
26.75	3.85	1.49	0.00	29.35	3.85	1.49	0.00
26.80	3.85	1.49	0.00	29.40	3.85	1.49	0.00
26.85	3.85	1.49	0.00	29.45	3.85	1.49	0.00
26.90	3.85	1.49	0.00	29.50	3.85	1.49	0.00
26.95	3.85	1.49	0.00	29.55	3.85	1.49	0.00
27.00	3.85	1.49	0.00	29.60	3.85	1.49	0.00
27.05	3.85	1.49	0.00	29.65	3.85	1.49	0.00
27.10	3.85	1.49	0.00	29.70	3.85	1.49	0.00
27.15	3.85	1.49	0.00	29.75	3.85	1.49	0.00
27.20	3.85	1.49	0.00	29.80	3.85	1.49	0.00
27.25	3.85	1.49	0.00	29.85	3.85	1.49	0.00
27.30	3.85	1.49	0.00	29.90	3.85	1.49	0.00
27.35	3.85	1.49	0.00	29.95	3.85	1.49	0.00
27.40	3.85	1.49	0.00	30.00	3.85	1.49	0.00
27.45	3.85	1.49	0.00	30.05	3.85	1.49	0.00
27.50	3.85	1.49	0.00	30.10	3.85	1.49	0.00
27.55	3.85	1.49	0.00	30.15	3.85	1.49	0.00
27.60	3.85	1.49	0.00	30.20	3.85	1.49	0.00
27.65	3.85	1.49	0.00	30.25	3.85	1.49	0.00
27.70	3.85	1.49	0.00	30.30	3.85	1.49	0.00
27.75	3.85	1.49	0.00	30.35	3.85	1.49	0.00
27.80	3.85	1.49	0.00	30.40	3.85	1.49	0.00
27.85	3.85	1.49	0.00	30.45	3.85	1.49	0.00
27.90	3.85	1.49	0.00	30.50	3.85	1.49	0.00
27.95	3.85	1.49	0.00	30.55	3.85	1.49	0.00
28.00	3.85	1.49	0.00	30.60	3.85	1.49	0.00
28.05	3.85	1.49	0.00	30.65	3.85	1.49	0.00
28.10	3.85	1.49	0.00	30.70	3.85	1.49	0.00
28.15	3.85	1.49	0.00	30.75	3.85	1.49	0.00
28.20	3.85	1.49	0.00	30.80	3.85	1.49	0.00
28.25	3.85	1.49	0.00	30.85	3.85	1.49	0.00
28.30	3.85	1.49	0.00	30.90	3.85	1.49	0.00
28.35	3.85	1.49	0.00	30.95	3.85	1.49	0.00
28.40	3.85	1.49	0.00	31.00	3.85	1.49	0.00
28.45	3.85	1.49	0.00	31.05	3.85	1.49	0.00
28.50	3.85	1.49	0.00	31.10	3.85	1.49	0.00
28.55	3.85	1.49	0.00	31.15	3.85	1.49	0.00

Hydrograph for Subcatchment UPDA-5: PDA-5 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.49	0.00	33.80	3.85	1.49	0.00
31.25	3.85	1.49	0.00	33.85	3.85	1.49	0.00
31.30	3.85	1.49	0.00	33.90	3.85	1.49	0.00
31.35	3.85	1.49	0.00	33.95	3.85	1.49	0.00
31.40	3.85	1.49	0.00	34.00	3.85	1.49	0.00
31.45	3.85	1.49	0.00	34.05	3.85	1.49	0.00
31.50	3.85	1.49	0.00	34.10	3.85	1.49	0.00
31.55	3.85	1.49	0.00	34.15	3.85	1.49	0.00
31.60	3.85	1.49	0.00	34.20	3.85	1.49	0.00
31.65	3.85	1.49	0.00	34.25	3.85	1.49	0.00
31.70	3.85	1.49	0.00	34.30	3.85	1.49	0.00
31.75	3.85	1.49	0.00	34.35	3.85	1.49	0.00
31.80	3.85	1.49	0.00	34.40	3.85	1.49	0.00
31.85	3.85	1.49	0.00	34.45	3.85	1.49	0.00
31.90	3.85	1.49	0.00	34.50	3.85	1.49	0.00
31.95	3.85	1.49	0.00	34.55	3.85	1.49	0.00
32.00	3.85	1.49	0.00	34.60	3.85	1.49	0.00
32.05	3.85	1.49	0.00	34.65	3.85	1.49	0.00
32.10	3.85	1.49	0.00	34.70	3.85	1.49	0.00
32.15	3.85	1.49	0.00	34.75	3.85	1.49	0.00
32.20	3.85	1.49	0.00	34.80	3.85	1.49	0.00
32.25	3.85	1.49	0.00	34.85	3.85	1.49	0.00
32.30	3.85	1.49	0.00	34.90	3.85	1.49	0.00
32.35	3.85	1.49	0.00	34.95	3.85	1.49	0.00
32.40	3.85	1.49	0.00	35.00	3.85	1.49	0.00
32.45	3.85	1.49	0.00	35.05	3.85	1.49	0.00
32.50	3.85	1.49	0.00	35.10	3.85	1.49	0.00
32.55	3.85	1.49	0.00	35.15	3.85	1.49	0.00
32.60	3.85	1.49	0.00	35.20	3.85	1.49	0.00
32.65	3.85	1.49	0.00	35.25	3.85	1.49	0.00
32.70	3.85	1.49	0.00	35.30	3.85	1.49	0.00
32.75	3.85	1.49	0.00	35.35	3.85	1.49	0.00
32.80	3.85	1.49	0.00	35.40	3.85	1.49	0.00
32.85	3.85	1.49	0.00	35.45	3.85	1.49	0.00
32.90	3.85	1.49	0.00	35.50	3.85	1.49	0.00
32.95	3.85	1.49	0.00	35.55	3.85	1.49	0.00
33.00	3.85	1.49	0.00	35.60	3.85	1.49	0.00
33.05	3.85	1.49	0.00	35.65	3.85	1.49	0.00
33.10	3.85	1.49	0.00	35.70	3.85	1.49	0.00
33.15	3.85	1.49	0.00	35.75	3.85	1.49	0.00
33.20	3.85	1.49	0.00	35.80	3.85	1.49	0.00
33.25	3.85	1.49	0.00	35.85	3.85	1.49	0.00
33.30	3.85	1.49	0.00	35.90	3.85	1.49	0.00
33.35	3.85	1.49	0.00	35.95	3.85	1.49	0.00
33.40	3.85	1.49	0.00	36.00	3.85	1.49	0.00
33.45	3.85	1.49	0.00	36.05	3.85	1.49	0.00
33.50	3.85	1.49	0.00	36.10	3.85	1.49	0.00
33.55	3.85	1.49	0.00	36.15	3.85	1.49	0.00
33.60	3.85	1.49	0.00	36.20	3.85	1.49	0.00
33.65	3.85	1.49	0.00	36.25	3.85	1.49	0.00
33.70	3.85	1.49	0.00	36.30	3.85	1.49	0.00
33.75	3.85	1.49	0.00	36.35	3.85	1.49	0.00

Hydrograph for Subcatchment UPDA-5: PDA-5 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.49	0.00
36.45	3.85	1.49	0.00
36.50	3.85	1.49	0.00
36.55	3.85	1.49	0.00
36.60	3.85	1.49	0.00
36.65	3.85	1.49	0.00
36.70	3.85	1.49	0.00
36.75	3.85	1.49	0.00
36.80	3.85	1.49	0.00
36.85	3.85	1.49	0.00
36.90	3.85	1.49	0.00
36.95	3.85	1.49	0.00
37.00	3.85	1.49	0.00
37.05	3.85	1.49	0.00
37.10	3.85	1.49	0.00
37.15	3.85	1.49	0.00
37.20	3.85	1.49	0.00
37.25	3.85	1.49	0.00
37.30	3.85	1.49	0.00
37.35	3.85	1.49	0.00
37.40	3.85	1.49	0.00
37.45	3.85	1.49	0.00
37.50	3.85	1.49	0.00
37.55	3.85	1.49	0.00
37.60	3.85	1.49	0.00
37.65	3.85	1.49	0.00
37.70	3.85	1.49	0.00
37.75	3.85	1.49	0.00
37.80	3.85	1.49	0.00
37.85	3.85	1.49	0.00
37.90	3.85	1.49	0.00
37.95	3.85	1.49	0.00
38.00	3.85	1.49	0.00
38.05	3.85	1.49	0.00
38.10	3.85	1.49	0.00
38.15	3.85	1.49	0.00
38.20	3.85	1.49	0.00
38.25	3.85	1.49	0.00
38.30	3.85	1.49	0.00
38.35	3.85	1.49	0.00
38.40	3.85	1.49	0.00
38.45	3.85	1.49	0.00
38.50	3.85	1.49	0.00
38.55	3.85	1.49	0.00
38.60	3.85	1.49	0.00
38.65	3.85	1.49	0.00
38.70	3.85	1.49	0.00
38.75	3.85	1.49	0.00
38.80	3.85	1.49	0.00
38.85	3.85	1.49	0.00
38.90	3.85	1.49	0.00
38.95	3.85	1.49	0.00
39.00	3.85	1.49	0.00
39.05	3.85	1.49	0.00
39.10	3.85	1.49	0.00
39.15	3.85	1.49	0.00
39.20	3.85	1.49	0.00
39.25	3.85	1.49	0.00
39.30	3.85	1.49	0.00
39.35	3.85	1.49	0.00
39.40	3.85	1.49	0.00
39.45	3.85	1.49	0.00
39.50	3.85	1.49	0.00
39.55	3.85	1.49	0.00
39.60	3.85	1.49	0.00
39.65	3.85	1.49	0.00
39.70	3.85	1.49	0.00
39.75	3.85	1.49	0.00
39.80	3.85	1.49	0.00
39.85	3.85	1.49	0.00
39.90	3.85	1.49	0.00
39.95	3.85	1.49	0.00
40.00	3.85	1.49	0.00

Summary for Pond B-48: Basin #48

Inflow Area = 2.265 ac, 34.26% Impervious, Inflow Depth = 2.22" for Future 2 yr event
Inflow = 5.07 cfs @ 12.11 hrs, Volume= 0.418 af
Outflow = 0.15 cfs @ 16.75 hrs, Volume= 0.279 af, Atten= 97%, Lag= 278.5 min
Primary = 0.15 cfs @ 16.75 hrs, Volume= 0.279 af
Routed to Link PDA-5 : Proposed Drainage Area #5

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 192.35' @ 16.75 hrs Surf.Area= 10,554 sf Storage= 13,131 cf

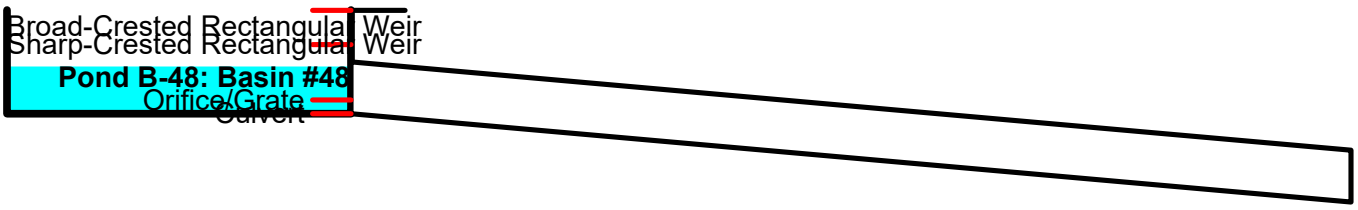
Plug-Flow detention time= 772.0 min calculated for 0.279 af (67% of inflow)
Center-of-Mass det. time= 663.2 min (1,461.8 - 798.6)

Volume	Invert	Avail.Storage	Storage Description
#1	191.00'	32,287 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

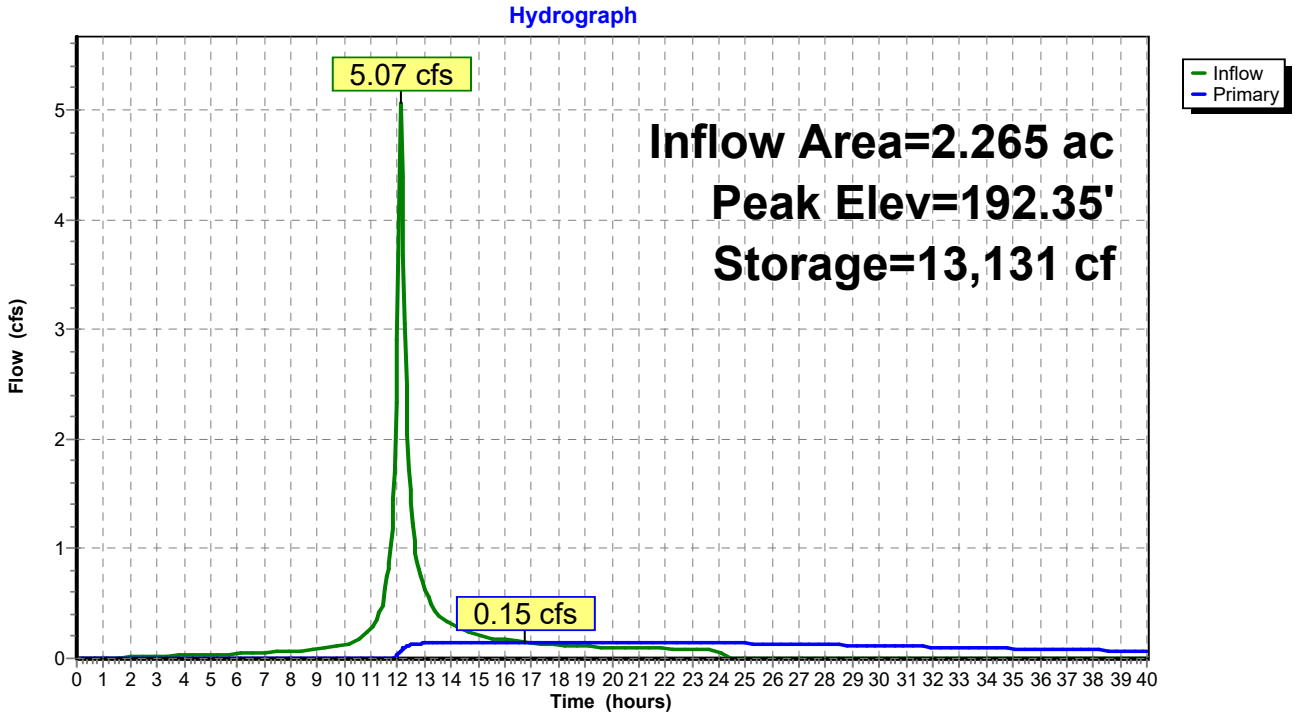
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
191.00	8,869	0	0
192.00	10,100	9,485	9,485
193.00	11,387	10,744	20,228
194.00	12,731	12,059	32,287

Device	Routing	Invert	Outlet Devices
#1	Primary	191.00'	**18.0" Round Culvert** L= 185.0' Ke= 0.500 Inlet / Outlet Invert= 191.00' / 188.45' S= 0.0138 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	191.40'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	193.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	193.99'	**50.0' long + 3.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

Primary OutFlow Max=0.15 cfs @ 16.75 hrs HW=192.35' (Free Discharge)
- **1=Culvert** (Passes 0.15 cfs of 6.65 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.15 cfs @ 4.44 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-48: Basin #48



Hydrograph for Pond B-48: Basin #48

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	191.00	0.00
0.10	0.00	0	191.00	0.00
0.20	0.00	0	191.00	0.00
0.30	0.00	0	191.00	0.00
0.40	0.00	0	191.00	0.00
0.50	0.00	0	191.00	0.00
0.60	0.00	0	191.00	0.00
0.70	0.00	0	191.00	0.00
0.80	0.00	0	191.00	0.00
0.90	0.00	0	191.00	0.00
1.00	0.00	0	191.00	0.00
1.10	0.00	0	191.00	0.00
1.20	0.00	1	191.00	0.00
1.30	0.00	2	191.00	0.00
1.40	0.01	4	191.00	0.00
1.50	0.01	6	191.00	0.00
1.60	0.01	8	191.00	0.00
1.70	0.01	11	191.00	0.00
1.80	0.01	14	191.00	0.00
1.90	0.01	18	191.00	0.00
2.00	0.01	22	191.00	0.00
2.10	0.01	26	191.00	0.00
2.20	0.01	31	191.00	0.00
2.30	0.01	36	191.00	0.00
2.40	0.02	42	191.00	0.00
2.50	0.02	48	191.01	0.00
2.60	0.02	54	191.01	0.00
2.70	0.02	60	191.01	0.00
2.80	0.02	67	191.01	0.00
2.90	0.02	74	191.01	0.00
3.00	0.02	81	191.01	0.00
3.10	0.02	89	191.01	0.00
3.20	0.02	97	191.01	0.00
3.30	0.02	105	191.01	0.00
3.40	0.02	114	191.01	0.00
3.50	0.02	122	191.01	0.00
3.60	0.03	131	191.01	0.00
3.70	0.03	141	191.02	0.00
3.80	0.03	150	191.02	0.00
3.90	0.03	160	191.02	0.00
4.00	0.03	170	191.02	0.00
4.10	0.03	180	191.02	0.00
4.20	0.03	190	191.02	0.00
4.30	0.03	201	191.02	0.00
4.40	0.03	212	191.02	0.00
4.50	0.03	223	191.03	0.00
4.60	0.03	234	191.03	0.00
4.70	0.03	246	191.03	0.00
4.80	0.03	257	191.03	0.00
4.90	0.03	269	191.03	0.00
5.00	0.03	281	191.03	0.00
5.10	0.03	294	191.03	0.00

Hydrograph for Pond B-48: Basin #48 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.04	306	191.03	0.00
5.30	0.04	319	191.04	0.00
5.40	0.04	332	191.04	0.00
5.50	0.04	345	191.04	0.00
5.60	0.04	358	191.04	0.00
5.70	0.04	372	191.04	0.00
5.80	0.04	385	191.04	0.00
5.90	0.04	399	191.04	0.00
6.00	0.04	413	191.05	0.00
6.10	0.04	428	191.05	0.00
6.20	0.04	442	191.05	0.00
6.30	0.04	458	191.05	0.00
6.40	0.04	473	191.05	0.00
6.50	0.05	489	191.05	0.00
6.60	0.05	506	191.06	0.00
6.70	0.05	523	191.06	0.00
6.80	0.05	540	191.06	0.00
6.90	0.05	558	191.06	0.00
7.00	0.05	577	191.06	0.00
7.10	0.05	596	191.07	0.00
7.20	0.05	615	191.07	0.00
7.30	0.06	635	191.07	0.00
7.40	0.06	655	191.07	0.00
7.50	0.06	676	191.08	0.00
7.60	0.06	697	191.08	0.00
7.70	0.06	718	191.08	0.00
7.80	0.06	741	191.08	0.00
7.90	0.06	763	191.09	0.00
8.00	0.06	786	191.09	0.00
8.10	0.07	810	191.09	0.00
8.20	0.07	834	191.09	0.00
8.30	0.07	858	191.10	0.00
8.40	0.07	883	191.10	0.00
8.50	0.07	908	191.10	0.00
8.60	0.07	934	191.10	0.00
8.70	0.07	961	191.11	0.00
8.80	0.07	987	191.11	0.00
8.90	0.08	1,015	191.11	0.00
9.00	0.08	1,042	191.12	0.00
9.10	0.08	1,071	191.12	0.00
9.20	0.09	1,101	191.12	0.00
9.30	0.09	1,133	191.13	0.00
9.40	0.10	1,167	191.13	0.00
9.50	0.10	1,202	191.13	0.00
9.60	0.10	1,239	191.14	0.00
9.70	0.11	1,277	191.14	0.00
9.80	0.11	1,317	191.15	0.00
9.90	0.12	1,359	191.15	0.00
10.00	0.12	1,402	191.16	0.00
10.10	0.13	1,447	191.16	0.00
10.20	0.13	1,494	191.17	0.00
10.30	0.14	1,543	191.17	0.00

Hydrograph for Pond B-48: Basin #48 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.15	1,594	191.18	0.00
10.50	0.15	1,649	191.18	0.00
10.60	0.17	1,708	191.19	0.00
10.70	0.20	1,775	191.20	0.00
10.80	0.22	1,850	191.21	0.00
10.90	0.24	1,933	191.21	0.00
11.00	0.27	2,026	191.22	0.00
11.10	0.31	2,130	191.24	0.00
11.20	0.36	2,251	191.25	0.00
11.30	0.40	2,388	191.26	0.00
11.40	0.46	2,544	191.28	0.00
11.50	0.51	2,718	191.30	0.00
11.60	0.75	2,946	191.32	0.00
11.70	0.87	3,239	191.36	0.00
11.80	1.18	3,610	191.40	0.00
11.90	1.69	4,129	191.45	0.01
12.00	2.91	4,956	191.54	0.03
12.10	**5.06**	6,385	191.69	0.07
12.20	3.67	7,932	191.84	0.10
12.30	2.49	8,999	191.95	0.11
12.40	1.73	9,705	192.02	0.12
12.50	1.42	10,222	192.07	0.12
12.60	1.07	10,622	192.11	0.13
12.70	0.88	10,925	192.14	0.13
12.80	0.78	11,174	192.17	0.13
12.90	0.70	11,392	192.19	0.14
13.00	0.64	11,584	192.21	0.14
13.10	0.57	11,750	192.22	0.14
13.20	0.52	11,894	192.24	0.14
13.30	0.48	12,022	192.25	0.14
13.40	0.44	12,135	192.26	0.14
13.50	0.40	12,234	192.27	0.14
13.60	0.36	12,319	192.28	0.14
13.70	0.34	12,394	192.28	0.14
13.80	0.33	12,462	192.29	0.15
13.90	0.32	12,525	192.30	0.15
14.00	0.31	12,585	192.30	0.15
14.10	0.30	12,641	192.31	0.15
14.20	0.29	12,693	192.31	0.15
14.30	0.28	12,742	192.32	0.15
14.40	0.27	12,787	192.32	0.15
14.50	0.26	12,828	192.32	0.15
14.60	0.25	12,866	192.33	0.15
14.70	0.24	12,900	192.33	0.15
14.80	0.23	12,930	192.33	0.15
14.90	0.22	12,957	192.34	0.15
15.00	0.21	12,980	192.34	0.15
15.10	0.20	12,999	192.34	0.15
15.20	0.19	13,016	192.34	0.15
15.30	0.19	13,030	192.34	0.15
15.40	0.19	13,044	192.34	0.15
15.50	0.18	13,056	192.35	0.15

Hydrograph for Pond B-48: Basin #48 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.18	13,068	192.35	0.15
15.70	0.18	13,078	192.35	0.15
15.80	0.18	13,088	192.35	0.15
15.90	0.17	13,096	192.35	0.15
16.00	0.17	13,104	192.35	0.15
16.10	0.17	13,111	192.35	0.15
16.20	0.17	13,117	192.35	0.15
16.30	0.16	13,121	192.35	0.15
16.40	0.16	13,125	192.35	0.15
16.50	0.16	13,128	192.35	0.15
16.60	0.16	13,130	192.35	0.15
16.70	0.15	**13,131**	**192.35**	**0.15**
16.80	0.15	**13,131**	**192.35**	**0.15**
16.90	0.15	13,130	192.35	0.15
17.00	0.14	13,128	192.35	0.15
17.10	0.14	13,125	192.35	0.15
17.20	0.14	13,121	192.35	0.15
17.30	0.14	13,116	192.35	0.15
17.40	0.13	13,110	192.35	0.15
17.50	0.13	13,104	192.35	0.15
17.60	0.13	13,096	192.35	0.15
17.70	0.13	13,087	192.35	0.15
17.80	0.12	13,078	192.35	0.15
17.90	0.12	13,067	192.35	0.15
18.00	0.12	13,056	192.35	0.15
18.10	0.11	13,044	192.34	0.15
18.20	0.11	13,030	192.34	0.15
18.30	0.11	13,017	192.34	0.15
18.40	0.11	13,003	192.34	0.15
18.50	0.11	12,989	192.34	0.15
18.60	0.11	12,975	192.34	0.15
18.70	0.11	12,960	192.34	0.15
18.80	0.11	12,946	192.34	0.15
18.90	0.11	12,931	192.33	0.15
19.00	0.11	12,916	192.33	0.15
19.10	0.11	12,901	192.33	0.15
19.20	0.11	12,886	192.33	0.15
19.30	0.11	12,870	192.33	0.15
19.40	0.10	12,854	192.33	0.15
19.50	0.10	12,838	192.33	0.15
19.60	0.10	12,822	192.32	0.15
19.70	0.10	12,806	192.32	0.15
19.80	0.10	12,790	192.32	0.15
19.90	0.10	12,773	192.32	0.15
20.00	0.10	12,756	192.32	0.15
20.10	0.10	12,739	192.32	0.15
20.20	0.10	12,722	192.31	0.15
20.30	0.10	12,705	192.31	0.15
20.40	0.10	12,687	192.31	0.15
20.50	0.10	12,669	192.31	0.15
20.60	0.10	12,651	192.31	0.15
20.70	0.10	12,633	192.31	0.15

Hydrograph for Pond B-48: Basin #48 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.10	12,615	192.30	0.15
20.90	0.09	12,596	192.30	0.15
21.00	0.09	12,578	192.30	0.15
21.10	0.09	12,559	192.30	0.15
21.20	0.09	12,540	192.30	0.15
21.30	0.09	12,521	192.30	0.15
21.40	0.09	12,501	192.29	0.15
21.50	0.09	12,482	192.29	0.15
21.60	0.09	12,462	192.29	0.15
21.70	0.09	12,442	192.29	0.15
21.80	0.09	12,422	192.29	0.15
21.90	0.09	12,402	192.28	0.14
22.00	0.09	12,381	192.28	0.14
22.10	0.09	12,360	192.28	0.14
22.20	0.09	12,340	192.28	0.14
22.30	0.09	12,319	192.28	0.14
22.40	0.08	12,297	192.27	0.14
22.50	0.08	12,276	192.27	0.14
22.60	0.08	12,254	192.27	0.14
22.70	0.08	12,233	192.27	0.14
22.80	0.08	12,211	192.27	0.14
22.90	0.08	12,189	192.26	0.14
23.00	0.08	12,166	192.26	0.14
23.10	0.08	12,144	192.26	0.14
23.20	0.08	12,122	192.26	0.14
23.30	0.08	12,099	192.25	0.14
23.40	0.08	12,076	192.25	0.14
23.50	0.08	12,053	192.25	0.14
23.60	0.08	12,029	192.25	0.14
23.70	0.08	12,006	192.25	0.14
23.80	0.08	11,982	192.24	0.14
23.90	0.07	11,958	192.24	0.14
24.00	0.08	11,936	192.24	0.14
24.10	0.04	11,908	192.24	0.14
24.20	0.01	11,867	192.23	0.14
24.30	0.00	11,819	192.23	0.14
24.40	0.00	11,770	192.22	0.14
24.50	0.00	11,720	192.22	0.14
24.60	0.00	11,670	192.21	0.14
24.70	0.00	11,621	192.21	0.14
24.80	0.00	11,571	192.20	0.14
24.90	0.00	11,522	192.20	0.14
25.00	0.00	11,472	192.19	0.14
25.10	0.00	11,423	192.19	0.14
25.20	0.00	11,375	192.18	0.14
25.30	0.00	11,326	192.18	0.13
25.40	0.00	11,277	192.18	0.13
25.50	0.00	11,229	192.17	0.13
25.60	0.00	11,181	192.17	0.13
25.70	0.00	11,133	192.16	0.13
25.80	0.00	11,085	192.16	0.13
25.90	0.00	11,038	192.15	0.13

Hydrograph for Pond B-48: Basin #48 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	10,990	192.15	0.13
26.10	0.00	10,943	192.14	0.13
26.20	0.00	10,896	192.14	0.13
26.30	0.00	10,849	192.13	0.13
26.40	0.00	10,802	192.13	0.13
26.50	0.00	10,755	192.12	0.13
26.60	0.00	10,709	192.12	0.13
26.70	0.00	10,662	192.12	0.13
26.80	0.00	10,616	192.11	0.13
26.90	0.00	10,570	192.11	0.13
27.00	0.00	10,525	192.10	0.13
27.10	0.00	10,479	192.10	0.13
27.20	0.00	10,434	192.09	0.13
27.30	0.00	10,388	192.09	0.13
27.40	0.00	10,343	192.08	0.13
27.50	0.00	10,298	192.08	0.12
27.60	0.00	10,253	192.08	0.12
27.70	0.00	10,209	192.07	0.12
27.80	0.00	10,164	192.07	0.12
27.90	0.00	10,120	192.06	0.12
28.00	0.00	10,076	192.06	0.12
28.10	0.00	10,032	192.05	0.12
28.20	0.00	9,989	192.05	0.12
28.30	0.00	9,945	192.05	0.12
28.40	0.00	9,902	192.04	0.12
28.50	0.00	9,858	192.04	0.12
28.60	0.00	9,815	192.03	0.12
28.70	0.00	9,772	192.03	0.12
28.80	0.00	9,730	192.02	0.12
28.90	0.00	9,687	192.02	0.12
29.00	0.00	9,645	192.02	0.12
29.10	0.00	9,603	192.01	0.12
29.20	0.00	9,561	192.01	0.12
29.30	0.00	9,519	192.00	0.12
29.40	0.00	9,477	192.00	0.12
29.50	0.00	9,436	192.00	0.12
29.60	0.00	9,394	191.99	0.11
29.70	0.00	9,353	191.99	0.11
29.80	0.00	9,312	191.98	0.11
29.90	0.00	9,271	191.98	0.11
30.00	0.00	9,231	191.97	0.11
30.10	0.00	9,190	191.97	0.11
30.20	0.00	9,150	191.97	0.11
30.30	0.00	9,110	191.96	0.11
30.40	0.00	9,070	191.96	0.11
30.50	0.00	9,030	191.95	0.11
30.60	0.00	8,991	191.95	0.11
30.70	0.00	8,951	191.95	0.11
30.80	0.00	8,912	191.94	0.11
30.90	0.00	8,873	191.94	0.11
31.00	0.00	8,834	191.94	0.11
31.10	0.00	8,795	191.93	0.11

Hydrograph for Pond B-48: Basin #48 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	8,757	191.93	0.11
31.30	0.00	8,719	191.92	0.11
31.40	0.00	8,680	191.92	0.11
31.50	0.00	8,642	191.92	0.11
31.60	0.00	8,605	191.91	0.10
31.70	0.00	8,567	191.91	0.10
31.80	0.00	8,529	191.90	0.10
31.90	0.00	8,492	191.90	0.10
32.00	0.00	8,455	191.90	0.10
32.10	0.00	8,418	191.89	0.10
32.20	0.00	8,381	191.89	0.10
32.30	0.00	8,345	191.89	0.10
32.40	0.00	8,308	191.88	0.10
32.50	0.00	8,272	191.88	0.10
32.60	0.00	8,236	191.88	0.10
32.70	0.00	8,200	191.87	0.10
32.80	0.00	8,164	191.87	0.10
32.90	0.00	8,129	191.86	0.10
33.00	0.00	8,093	191.86	0.10
33.10	0.00	8,058	191.86	0.10
33.20	0.00	8,023	191.85	0.10
33.30	0.00	7,988	191.85	0.10
33.40	0.00	7,953	191.85	0.10
33.50	0.00	7,919	191.84	0.10
33.60	0.00	7,885	191.84	0.10
33.70	0.00	7,850	191.84	0.09
33.80	0.00	7,817	191.83	0.09
33.90	0.00	7,783	191.83	0.09
34.00	0.00	7,749	191.83	0.09
34.10	0.00	7,716	191.82	0.09
34.20	0.00	7,682	191.82	0.09
34.30	0.00	7,649	191.82	0.09
34.40	0.00	7,616	191.81	0.09
34.50	0.00	7,584	191.81	0.09
34.60	0.00	7,551	191.81	0.09
34.70	0.00	7,519	191.80	0.09
34.80	0.00	7,486	191.80	0.09
34.90	0.00	7,454	191.80	0.09
35.00	0.00	7,423	191.79	0.09
35.10	0.00	7,391	191.79	0.09
35.20	0.00	7,359	191.79	0.09
35.30	0.00	7,328	191.78	0.09
35.40	0.00	7,297	191.78	0.09
35.50	0.00	7,266	191.78	0.09
35.60	0.00	7,235	191.77	0.09
35.70	0.00	7,205	191.77	0.08
35.80	0.00	7,174	191.77	0.08
35.90	0.00	7,144	191.76	0.08
36.00	0.00	7,114	191.76	0.08
36.10	0.00	7,084	191.76	0.08
36.20	0.00	7,054	191.76	0.08
36.30	0.00	7,025	191.75	0.08

Hydrograph for Pond B-48: Basin #48 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	6,995	191.75	0.08
36.50	0.00	6,966	191.75	0.08
36.60	0.00	6,937	191.74	0.08
36.70	0.00	6,908	191.74	0.08
36.80	0.00	6,880	191.74	0.08
36.90	0.00	6,851	191.73	0.08
37.00	0.00	6,823	191.73	0.08
37.10	0.00	6,795	191.73	0.08
37.20	0.00	6,767	191.73	0.08
37.30	0.00	6,739	191.72	0.08
37.40	0.00	6,712	191.72	0.08
37.50	0.00	6,684	191.72	0.08
37.60	0.00	6,657	191.72	0.08
37.70	0.00	6,630	191.71	0.07
37.80	0.00	6,603	191.71	0.07
37.90	0.00	6,576	191.71	0.07
38.00	0.00	6,550	191.70	0.07
38.10	0.00	6,524	191.70	0.07
38.20	0.00	6,497	191.70	0.07
38.30	0.00	6,471	191.70	0.07
38.40	0.00	6,446	191.69	0.07
38.50	0.00	6,420	191.69	0.07
38.60	0.00	6,395	191.69	0.07
38.70	0.00	6,369	191.69	0.07
38.80	0.00	6,344	191.68	0.07
38.90	0.00	6,319	191.68	0.07
39.00	0.00	6,295	191.68	0.07
39.10	0.00	6,270	191.68	0.07
39.20	0.00	6,246	191.67	0.07
39.30	0.00	6,222	191.67	0.07
39.40	0.00	6,198	191.67	0.07
39.50	0.00	6,174	191.67	0.07
39.60	0.00	6,150	191.66	0.07
39.70	0.00	6,127	191.66	0.06
39.80	0.00	6,104	191.66	0.06
39.90	0.00	6,081	191.66	0.06
40.00	0.00	6,058	191.65	0.06

Stage-Discharge for Pond B-48: Basin #48

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
191.00	0.00	191.52	0.02	192.04	0.12	192.56	0.17
191.01	0.00	191.53	0.03	192.05	0.12	192.57	0.17
191.02	0.00	191.54	0.03	192.06	0.12	192.58	0.17
191.03	0.00	191.55	0.03	192.07	0.12	192.59	0.17
191.04	0.00	191.56	0.04	192.08	0.12	192.60	0.17
191.05	0.00	191.57	0.04	192.09	0.13	192.61	0.17
191.06	0.00	191.58	0.05	192.10	0.13	192.62	0.17
191.07	0.00	191.59	0.05	192.11	0.13	192.63	0.17
191.08	0.00	191.60	0.05	192.12	0.13	192.64	0.17
191.09	0.00	191.61	0.05	192.13	0.13	192.65	0.18
191.10	0.00	191.62	0.06	192.14	0.13	192.66	0.18
191.11	0.00	191.63	0.06	192.15	0.13	192.67	0.18
191.12	0.00	191.64	0.06	192.16	0.13	192.68	0.18
191.13	0.00	191.65	0.06	192.17	0.13	192.69	0.18
191.14	0.00	191.66	0.06	192.18	0.13	192.70	0.18
191.15	0.00	191.67	0.07	192.19	0.14	192.71	0.18
191.16	0.00	191.68	0.07	192.20	0.14	192.72	0.18
191.17	0.00	191.69	0.07	192.21	0.14	192.73	0.18
191.18	0.00	191.70	0.07	192.22	0.14	192.74	0.18
191.19	0.00	191.71	0.07	192.23	0.14	192.75	0.18
191.20	0.00	191.72	0.08	192.24	0.14	192.76	0.18
191.21	0.00	191.73	0.08	192.25	0.14	192.77	0.18
191.22	0.00	191.74	0.08	192.26	0.14	192.78	0.19
191.23	0.00	191.75	0.08	192.27	0.14	192.79	0.19
191.24	0.00	191.76	0.08	192.28	0.14	192.80	0.19
191.25	0.00	191.77	0.08	192.29	0.15	192.81	0.19
191.26	0.00	191.78	0.09	192.30	0.15	192.82	0.19
191.27	0.00	191.79	0.09	192.31	0.15	192.83	0.19
191.28	0.00	191.80	0.09	192.32	0.15	192.84	0.19
191.29	0.00	191.81	0.09	192.33	0.15	192.85	0.19
191.30	0.00	191.82	0.09	192.34	0.15	192.86	0.19
191.31	0.00	191.83	0.09	192.35	0.15	192.87	0.19
191.32	0.00	191.84	0.10	192.36	0.15	192.88	0.19
191.33	0.00	191.85	0.10	192.37	0.15	192.89	0.19
191.34	0.00	191.86	0.10	192.38	0.15	192.90	0.19
191.35	0.00	191.87	0.10	192.39	0.15	192.91	0.19
191.36	0.00	191.88	0.10	192.40	0.16	192.92	0.20
191.37	0.00	191.89	0.10	192.41	0.16	192.93	0.20
191.38	0.00	191.90	0.10	192.42	0.16	192.94	0.20
191.39	0.00	191.91	0.10	192.43	0.16	192.95	0.20
191.40	0.00	191.92	0.11	192.44	0.16	192.96	0.20
191.41	0.00	191.93	0.11	192.45	0.16	192.97	0.20
191.42	0.00	191.94	0.11	192.46	0.16	192.98	0.20
191.43	0.00	191.95	0.11	192.47	0.16	192.99	0.20
191.44	0.00	191.96	0.11	192.48	0.16	193.00	0.20
191.45	0.00	191.97	0.11	192.49	0.16	193.01	0.21
191.46	0.01	191.98	0.11	192.50	0.16	193.02	0.24
191.47	0.01	191.99	0.11	192.51	0.16	193.03	0.27
191.48	0.01	192.00	0.12	192.52	0.17	193.04	0.31
191.49	0.01	192.01	0.12	192.53	0.17	193.05	0.35
191.50	0.02	192.02	0.12	192.54	0.17	193.06	0.40
191.51	0.02	192.03	0.12	192.55	0.17	193.07	0.45

Stage-Discharge for Pond B-48: Basin #48 (continued)

Elevation (feet)	Primary (cfs)
193.08	0.50
193.09	0.56
193.10	0.62
193.11	0.68
193.12	0.75
193.13	0.82
193.14	0.89
193.15	0.96
193.16	1.04
193.17	1.12
193.18	1.20
193.19	1.29
193.20	1.37
193.21	1.46
193.22	1.55
193.23	1.64
193.24	1.74
193.25	1.83
193.26	1.93
193.27	2.03
193.28	2.13
193.29	2.23
193.30	2.34
193.31	2.44
193.32	2.55
193.33	2.66
193.34	2.77
193.35	2.88
193.36	3.00
193.37	3.11
193.38	3.23
193.39	3.35
193.40	3.47
193.41	3.59
193.42	3.71
193.43	3.84
193.44	3.96
193.45	4.09
193.46	4.22
193.47	4.35
193.48	4.48
193.49	4.61
193.50	4.74
193.51	4.87
193.52	5.01
193.53	5.15
193.54	5.28
193.55	5.42
193.56	5.56
193.57	5.70
193.58	5.85
193.59	5.99
193.60	6.13
193.61	6.28
193.62	6.43
193.63	6.57
193.64	6.72
193.65	6.87
193.66	7.02
193.67	7.17
193.68	7.33
193.69	7.48
193.70	7.64
193.71	7.79
193.72	7.95
193.73	8.11
193.74	8.26
193.75	8.42
193.76	8.58
193.77	8.74
193.78	8.91
193.79	9.07
193.80	9.23
193.81	9.40
193.82	9.56
193.83	9.73
193.84	9.90
193.85	10.07
193.86	10.24
193.87	10.40
193.88	10.58
193.89	10.75
193.90	10.92
193.91	11.09
193.92	11.27
193.93	11.44
193.94	11.62
193.95	11.79
193.96	11.97
193.97	12.15
193.98	12.33
193.99	12.51
194.00	**12.81**

Stage-Area-Storage for Pond B-48: Basin #48

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
191.00	8,869	0	191.52	9,509	4,778
191.01	8,881	89	191.53	9,521	4,873
191.02	8,894	178	191.54	9,534	4,969
191.03	8,906	267	191.55	9,546	5,064
191.04	8,918	356	191.56	9,558	5,160
191.05	8,931	445	191.57	9,571	5,255
191.06	8,943	534	191.58	9,583	5,351
191.07	8,955	624	191.59	9,595	5,447
191.08	8,967	713	191.60	9,608	5,543
191.09	8,980	803	191.61	9,620	5,639
191.10	8,992	893	191.62	9,632	5,735
191.11	9,004	983	191.63	9,645	5,832
191.12	9,017	1,073	191.64	9,657	5,928
191.13	9,029	1,163	191.65	9,669	6,025
191.14	9,041	1,254	191.66	9,681	6,122
191.15	9,054	1,344	191.67	9,694	6,219
191.16	9,066	1,435	191.68	9,706	6,316
191.17	9,078	1,526	191.69	9,718	6,413
191.18	9,091	1,616	191.70	9,731	6,510
191.19	9,103	1,707	191.71	9,743	6,607
191.20	9,115	1,798	191.72	9,755	6,705
191.21	9,128	1,890	191.73	9,768	6,802
191.22	9,140	1,981	191.74	9,780	6,900
191.23	9,152	2,072	191.75	9,792	6,998
191.24	9,164	2,164	191.76	9,805	7,096
191.25	9,177	2,256	191.77	9,817	7,194
191.26	9,189	2,348	191.78	9,829	7,292
191.27	9,201	2,439	191.79	9,841	7,391
191.28	9,214	2,532	191.80	9,854	7,489
191.29	9,226	2,624	191.81	9,866	7,588
191.30	9,238	2,716	191.82	9,878	7,686
191.31	9,251	2,809	191.83	9,891	7,785
191.32	9,263	2,901	191.84	9,903	7,884
191.33	9,275	2,994	191.85	9,915	7,983
191.34	9,288	3,087	191.86	9,928	8,083
191.35	9,300	3,180	191.87	9,940	8,182
191.36	9,312	3,273	191.88	9,952	8,281
191.37	9,324	3,366	191.89	9,965	8,381
191.38	9,337	3,459	191.90	9,977	8,481
191.39	9,349	3,553	191.91	9,989	8,580
191.40	9,361	3,646	191.92	10,002	8,680
191.41	9,374	3,740	191.93	10,014	8,781
191.42	9,386	3,834	191.94	10,026	8,881
191.43	9,398	3,927	191.95	10,038	8,981
191.44	9,411	4,022	191.96	10,051	9,081
191.45	9,423	4,116	191.97	10,063	9,182
191.46	9,435	4,210	191.98	10,075	9,283
191.47	9,448	4,304	191.99	10,088	9,384
191.48	9,460	4,399	192.00	10,100	9,485
191.49	9,472	4,494	192.01	10,113	9,586
191.50	9,485	4,588	192.02	10,126	9,687
191.51	9,497	4,683	192.03	10,139	9,788

Stage-Area-Storage for Pond B-48: Basin #48 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
192.04	10,151	9,890	192.56	10,821	15,342
192.05	10,164	9,991	192.57	10,834	15,451
192.06	10,177	10,093	192.58	10,846	15,559
192.07	10,190	10,195	192.59	10,859	15,668
192.08	10,203	10,297	192.60	10,872	15,776
192.09	10,216	10,399	192.61	10,885	15,885
192.10	10,229	10,501	192.62	10,898	15,994
192.11	10,242	10,603	192.63	10,911	16,103
192.12	10,254	10,706	192.64	10,924	16,212
192.13	10,267	10,808	192.65	10,937	16,321
192.14	10,280	10,911	192.66	10,949	16,431
192.15	10,293	11,014	192.67	10,962	16,540
192.16	10,306	11,117	192.68	10,975	16,650
192.17	10,319	11,220	192.69	10,988	16,760
192.18	10,332	11,323	192.70	11,001	16,870
192.19	10,345	11,427	192.71	11,014	16,980
192.20	10,357	11,530	192.72	11,027	17,090
192.21	10,370	11,634	192.73	11,040	17,200
192.22	10,383	11,738	192.74	11,052	17,311
192.23	10,396	11,842	192.75	11,065	17,421
192.24	10,409	11,946	192.76	11,078	17,532
192.25	10,422	12,050	192.77	11,091	17,643
192.26	10,435	12,154	192.78	11,104	17,754
192.27	10,447	12,258	192.79	11,117	17,865
192.28	10,460	12,363	192.80	11,130	17,976
192.29	10,473	12,468	192.81	11,142	18,088
192.30	10,486	12,572	192.82	11,155	18,199
192.31	10,499	12,677	192.83	11,168	18,311
192.32	10,512	12,782	192.84	11,181	18,423
192.33	10,525	12,888	192.85	11,194	18,534
192.34	10,538	12,993	192.86	11,207	18,646
192.35	10,550	13,098	192.87	11,220	18,759
192.36	10,563	13,204	192.88	11,233	18,871
192.37	10,576	13,310	192.89	11,245	18,983
192.38	10,589	13,415	192.90	11,258	19,096
192.39	10,602	13,521	192.91	11,271	19,208
192.40	10,615	13,627	192.92	11,284	19,321
192.41	10,628	13,734	192.93	11,297	19,434
192.42	10,641	13,840	192.94	11,310	19,547
192.43	10,653	13,946	192.95	11,323	19,660
192.44	10,666	14,053	192.96	11,336	19,774
192.45	10,679	14,160	192.97	11,348	19,887
192.46	10,692	14,267	192.98	11,361	20,001
192.47	10,705	14,374	192.99	11,374	20,114
192.48	10,718	14,481	193.00	11,387	20,228
192.49	10,731	14,588	193.01	11,400	20,342
192.50	10,744	14,695	193.02	11,414	20,456
192.51	10,756	14,803	193.03	11,427	20,570
192.52	10,769	14,911	193.04	11,441	20,685
192.53	10,782	15,018	193.05	11,454	20,799
192.54	10,795	15,126	193.06	11,468	20,914
192.55	10,808	15,234	193.07	11,481	21,028

Stage-Area-Storage for Pond B-48: Basin #48 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
193.08	11,495	21,143
193.09	11,508	21,258
193.10	11,521	21,373
193.11	11,535	21,489
193.12	11,548	21,604
193.13	11,562	21,720
193.14	11,575	21,835
193.15	11,589	21,951
193.16	11,602	22,067
193.17	11,615	22,183
193.18	11,629	22,299
193.19	11,642	22,416
193.20	11,656	22,532
193.21	11,669	22,649
193.22	11,683	22,766
193.23	11,696	22,883
193.24	11,710	23,000
193.25	11,723	23,117
193.26	11,736	23,234
193.27	11,750	23,351
193.28	11,763	23,469
193.29	11,777	23,587
193.30	11,790	23,705
193.31	11,804	23,823
193.32	11,817	23,941
193.33	11,831	24,059
193.34	11,844	24,177
193.35	11,857	24,296
193.36	11,871	24,414
193.37	11,884	24,533
193.38	11,898	24,652
193.39	11,911	24,771
193.40	11,925	24,890
193.41	11,938	25,010
193.42	11,951	25,129
193.43	11,965	25,249
193.44	11,978	25,368
193.45	11,992	25,488
193.46	12,005	25,608
193.47	12,019	25,728
193.48	12,032	25,849
193.49	12,046	25,969
193.50	12,059	26,090
193.51	12,072	26,210
193.52	12,086	26,331
193.53	12,099	26,452
193.54	12,113	26,573
193.55	12,126	26,694
193.56	12,140	26,815
193.57	12,153	26,937
193.58	12,167	27,059
193.59	12,180	27,180
193.60	12,193	27,302
193.61	12,207	27,424
193.62	12,220	27,546
193.63	12,234	27,669
193.64	12,247	27,791
193.65	12,261	27,913
193.66	12,274	28,036
193.67	12,287	28,159
193.68	12,301	28,282
193.69	12,314	28,405
193.70	12,328	28,528
193.71	12,341	28,652
193.72	12,355	28,775
193.73	12,368	28,899
193.74	12,382	29,022
193.75	12,395	29,146
193.76	12,408	29,270
193.77	12,422	29,394
193.78	12,435	29,519
193.79	12,449	29,643
193.80	12,462	29,768
193.81	12,476	29,892
193.82	12,489	30,017
193.83	12,503	30,142
193.84	12,516	30,267
193.85	12,529	30,392
193.86	12,543	30,518
193.87	12,556	30,643
193.88	12,570	30,769
193.89	12,583	30,895
193.90	12,597	31,021
193.91	12,610	31,147
193.92	12,623	31,273
193.93	12,637	31,399
193.94	12,650	31,526
193.95	12,664	31,652
193.96	12,677	31,779
193.97	12,691	31,906
193.98	12,704	32,033
193.99	12,718	32,160
194.00	**12,731**	**32,287**

Summary for Pond B-49: Basin #49

Inflow Area = 2.090 ac, 43.68% Impervious, Inflow Depth = 2.42" for Future 2 yr event
Inflow = 5.90 cfs @ 12.11 hrs, Volume= 0.421 af
Outflow = 0.17 cfs @ 15.60 hrs, Volume= 0.300 af, Atten= 97%, Lag= 209.2 min
Primary = 0.17 cfs @ 15.60 hrs, Volume= 0.300 af
Routed to Link PDA-5 : Proposed Drainage Area #5

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 184.74' @ 15.60 hrs Surf.Area= 8,434 sf Storage= 13,046 cf

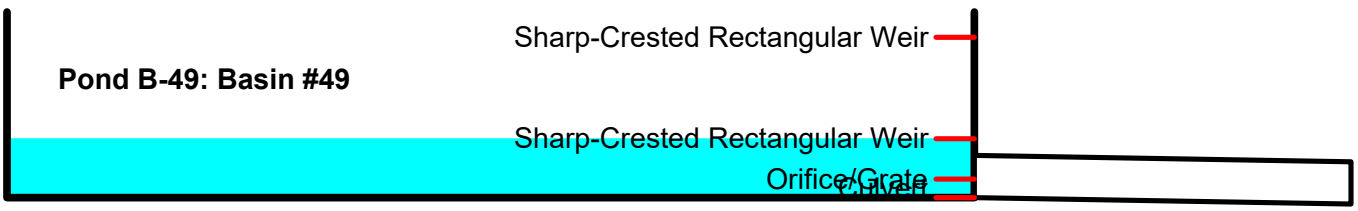
Plug-Flow detention time= 742.7 min calculated for 0.300 af (71% of inflow)
Center-of-Mass det. time= 642.1 min (1,429.8 - 787.7)

Volume	Invert	Avail.Storage	Storage Description
#1	183.00'	52,993 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

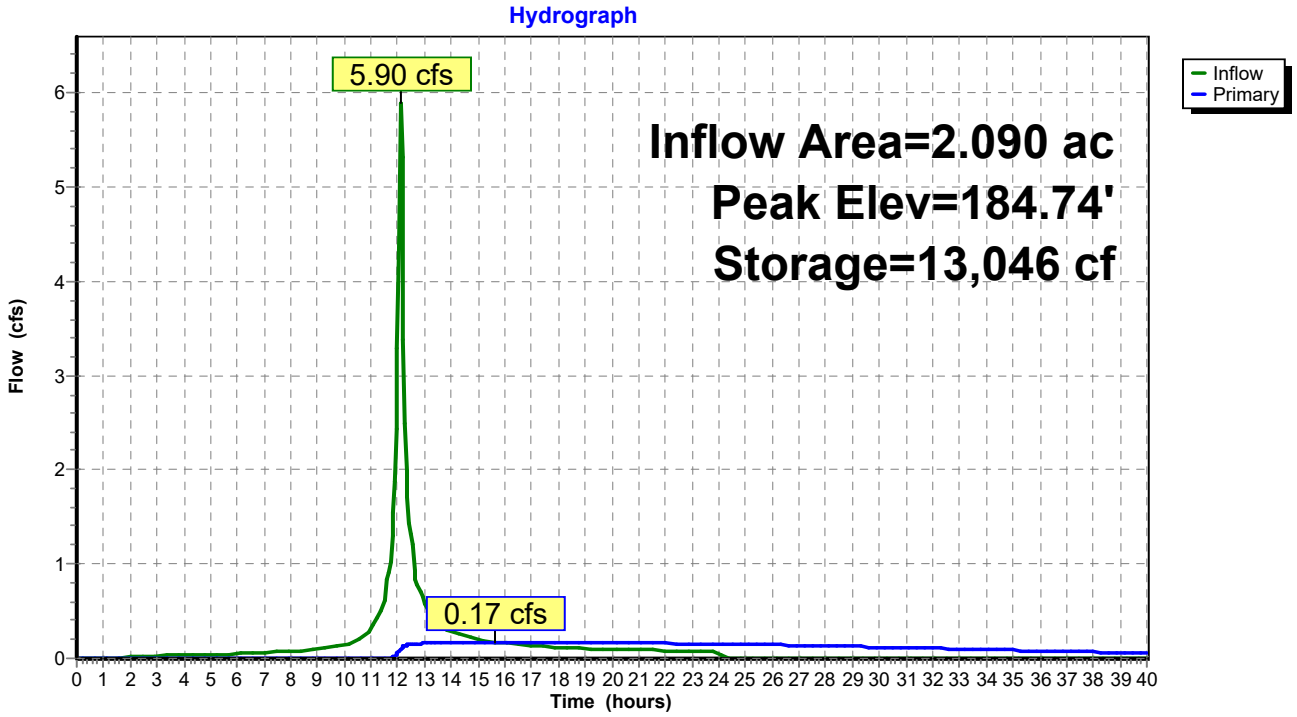
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
183.00	6,565	0	0
184.00	7,625	7,095	7,095
185.00	8,717	8,171	15,266
186.00	9,853	9,285	24,551
187.00	11,027	10,440	34,991
188.00	12,333	11,680	46,671
188.50	12,956	6,322	52,993

Device	Routing	Invert	Outlet Devices
#1	Primary	183.00'	**15.0" Round Culvert** L= 25.0' Ke= 0.500 Inlet / Outlet Invert= 183.00' / 182.81' S= 0.0076 '/' Cc= 0.900 n= 0.013, Flow Area= 1.23 sf
#2	Device 1	183.55'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	184.74'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	187.75'	**30.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)

Primary OutFlow Max=0.17 cfs @ 15.60 hrs HW=184.74' (Free Discharge)
- **1=Culvert** (Passes 0.17 cfs of 5.63 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.17 cfs @ 5.02 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 0.00 cfs @ 0.11 fps)
- **4=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-49: Basin #49



Hydrograph for Pond B-49: Basin #49

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	183.00	0.00
0.10	0.00	0	183.00	0.00
0.20	0.00	0	183.00	0.00
0.30	0.00	0	183.00	0.00
0.40	0.00	0	183.00	0.00
0.50	0.00	0	183.00	0.00
0.60	0.00	0	183.00	0.00
0.70	0.00	0	183.00	0.00
0.80	0.00	0	183.00	0.00
0.90	0.00	0	183.00	0.00
1.00	0.00	0	183.00	0.00
1.10	0.00	0	183.00	0.00
1.20	0.00	1	183.00	0.00
1.30	0.00	2	183.00	0.00
1.40	0.01	4	183.00	0.00
1.50	0.01	6	183.00	0.00
1.60	0.01	9	183.00	0.00
1.70	0.01	12	183.00	0.00
1.80	0.01	16	183.00	0.00
1.90	0.01	20	183.00	0.00
2.00	0.01	25	183.00	0.00
2.10	0.01	30	183.00	0.00
2.20	0.02	36	183.01	0.00
2.30	0.02	42	183.01	0.00
2.40	0.02	48	183.01	0.00
2.50	0.02	55	183.01	0.00
2.60	0.02	62	183.01	0.00
2.70	0.02	69	183.01	0.00
2.80	0.02	77	183.01	0.00
2.90	0.02	86	183.01	0.00
3.00	0.02	94	183.01	0.00
3.10	0.03	103	183.02	0.00
3.20	0.03	112	183.02	0.00
3.30	0.03	122	183.02	0.00
3.40	0.03	132	183.02	0.00
3.50	0.03	142	183.02	0.00
3.60	0.03	153	183.02	0.00
3.70	0.03	163	183.02	0.00
3.80	0.03	174	183.03	0.00
3.90	0.03	186	183.03	0.00
4.00	0.03	197	183.03	0.00
4.10	0.03	209	183.03	0.00
4.20	0.03	222	183.03	0.00
4.30	0.04	234	183.04	0.00
4.40	0.04	247	183.04	0.00
4.50	0.04	260	183.04	0.00
4.60	0.04	273	183.04	0.00
4.70	0.04	287	183.04	0.00
4.80	0.04	300	183.05	0.00
4.90	0.04	314	183.05	0.00
5.00	0.04	329	183.05	0.00
5.10	0.04	343	183.05	0.00

Hydrograph for Pond B-49: Basin #49 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.04	358	183.05	0.00
5.30	0.04	373	183.06	0.00
5.40	0.04	388	183.06	0.00
5.50	0.04	403	183.06	0.00
5.60	0.04	419	183.06	0.00
5.70	0.04	435	183.07	0.00
5.80	0.04	451	183.07	0.00
5.90	0.05	467	183.07	0.00
6.00	0.05	483	183.07	0.00
6.10	0.05	500	183.08	0.00
6.20	0.05	517	183.08	0.00
6.30	0.05	535	183.08	0.00
6.40	0.05	553	183.08	0.00
6.50	0.05	572	183.09	0.00
6.60	0.05	592	183.09	0.00
6.70	0.06	612	183.09	0.00
6.80	0.06	632	183.10	0.00
6.90	0.06	653	183.10	0.00
7.00	0.06	675	183.10	0.00
7.10	0.06	697	183.11	0.00
7.20	0.06	719	183.11	0.00
7.30	0.06	742	183.11	0.00
7.40	0.07	766	183.12	0.00
7.50	0.07	790	183.12	0.00
7.60	0.07	815	183.12	0.00
7.70	0.07	841	183.13	0.00
7.80	0.07	866	183.13	0.00
7.90	0.07	893	183.13	0.00
8.00	0.08	920	183.14	0.00
8.10	0.08	947	183.14	0.00
8.20	0.08	976	183.15	0.00
8.30	0.08	1,004	183.15	0.00
8.40	0.08	1,033	183.16	0.00
8.50	0.08	1,063	183.16	0.00
8.60	0.08	1,093	183.16	0.00
8.70	0.09	1,124	183.17	0.00
8.80	0.09	1,156	183.17	0.00
8.90	0.09	1,188	183.18	0.00
9.00	0.09	1,220	183.18	0.00
9.10	0.10	1,254	183.19	0.00
9.20	0.10	1,289	183.19	0.00
9.30	0.11	1,326	183.20	0.00
9.40	0.11	1,366	183.20	0.00
9.50	0.12	1,407	183.21	0.00
9.60	0.12	1,449	183.22	0.00
9.70	0.13	1,494	183.22	0.00
9.80	0.13	1,541	183.23	0.00
9.90	0.14	1,590	183.24	0.00
10.00	0.14	1,640	183.24	0.00
10.10	0.15	1,692	183.25	0.00
10.20	0.16	1,747	183.26	0.00
10.30	0.16	1,805	183.27	0.00

Hydrograph for Pond B-49: Basin #49 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.17	1,865	183.28	0.00
10.50	0.18	1,928	183.29	0.00
10.60	0.20	1,996	183.30	0.00
10.70	0.22	2,072	183.31	0.00
10.80	0.25	2,158	183.32	0.00
10.90	0.28	2,252	183.33	0.00
11.00	0.30	2,356	183.35	0.00
11.10	0.35	2,473	183.37	0.00
11.20	0.40	2,607	183.39	0.00
11.30	0.45	2,760	183.41	0.00
11.40	0.51	2,932	183.43	0.00
11.50	0.56	3,123	183.46	0.00
11.60	0.83	3,368	183.49	0.00
11.70	0.96	3,693	183.54	0.00
11.80	1.30	4,093	183.59	0.00
11.90	1.88	4,653	183.67	0.02
12.00	3.29	5,541	183.79	0.06
12.10	**5.84**	7,118	184.00	0.10
12.20	3.39	8,868	184.23	0.12
12.30	1.99	9,755	184.34	0.14
12.40	1.44	10,321	184.41	0.14
12.50	1.28	10,752	184.46	0.15
12.60	0.93	11,102	184.51	0.15
12.70	0.79	11,352	184.54	0.15
12.80	0.72	11,568	184.56	0.16
12.90	0.66	11,760	184.59	0.16
13.00	0.59	11,928	184.61	0.16
13.10	0.52	12,071	184.62	0.16
13.20	0.48	12,194	184.64	0.16
13.30	0.45	12,302	184.65	0.16
13.40	0.41	12,397	184.66	0.16
13.50	0.37	12,478	184.67	0.17
13.60	0.34	12,547	184.68	0.17
13.70	0.32	12,605	184.69	0.17
13.80	0.31	12,658	184.69	0.17
13.90	0.30	12,708	184.70	0.17
14.00	0.29	12,755	184.71	0.17
14.10	0.28	12,797	184.71	0.17
14.20	0.27	12,837	184.72	0.17
14.30	0.26	12,873	184.72	0.17
14.40	0.25	12,905	184.72	0.17
14.50	0.25	12,934	184.73	0.17
14.60	0.24	12,959	184.73	0.17
14.70	0.23	12,981	184.73	0.17
14.80	0.22	12,999	184.74	0.17
14.90	0.21	13,014	184.74	0.17
15.00	0.20	13,025	184.74	0.17
15.10	0.19	13,033	184.74	0.17
15.20	0.18	13,038	184.74	0.17
15.30	0.18	13,041	184.74	0.17
15.40	0.18	13,044	184.74	0.17
15.50	0.18	13,045	184.74	0.17

Hydrograph for Pond B-49: Basin #49 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.17	**13,046**	**184.74**	**0.17**
15.70	0.17	13,045	184.74	0.17
15.80	0.17	13,044	184.74	0.17
15.90	0.17	13,042	184.74	0.17
16.00	0.16	13,039	184.74	0.17
16.10	0.16	13,035	184.74	0.17
16.20	0.16	13,031	184.74	0.17
16.30	0.16	13,026	184.74	0.17
16.40	0.15	13,020	184.74	0.17
16.50	0.15	13,013	184.74	0.17
16.60	0.15	13,005	184.74	0.17
16.70	0.15	12,996	184.74	0.17
16.80	0.14	12,987	184.73	0.17
16.90	0.14	12,976	184.73	0.17
17.00	0.14	12,965	184.73	0.17
17.10	0.13	12,952	184.73	0.17
17.20	0.13	12,939	184.73	0.17
17.30	0.13	12,925	184.73	0.17
17.40	0.13	12,910	184.72	0.17
17.50	0.12	12,894	184.72	0.17
17.60	0.12	12,878	184.72	0.17
17.70	0.12	12,860	184.72	0.17
17.80	0.12	12,841	184.72	0.17
17.90	0.11	12,822	184.71	0.17
18.00	0.11	12,802	184.71	0.17
18.10	0.11	12,781	184.71	0.17
18.20	0.11	12,759	184.71	0.17
18.30	0.11	12,737	184.70	0.17
18.40	0.11	12,715	184.70	0.17
18.50	0.11	12,693	184.70	0.17
18.60	0.11	12,670	184.70	0.17
18.70	0.10	12,648	184.69	0.17
18.80	0.10	12,625	184.69	0.17
18.90	0.10	12,602	184.69	0.17
19.00	0.10	12,579	184.69	0.17
19.10	0.10	12,556	184.68	0.17
19.20	0.10	12,532	184.68	0.17
19.30	0.10	12,509	184.68	0.17
19.40	0.10	12,485	184.67	0.17
19.50	0.10	12,462	184.67	0.17
19.60	0.10	12,438	184.67	0.17
19.70	0.10	12,414	184.67	0.17
19.80	0.10	12,390	184.66	0.16
19.90	0.10	12,365	184.66	0.16
20.00	0.10	12,341	184.66	0.16
20.10	0.10	12,316	184.65	0.16
20.20	0.09	12,291	184.65	0.16
20.30	0.09	12,266	184.65	0.16
20.40	0.09	12,241	184.65	0.16
20.50	0.09	12,216	184.64	0.16
20.60	0.09	12,191	184.64	0.16
20.70	0.09	12,166	184.64	0.16

Hydrograph for Pond B-49: Basin #49 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.09	12,140	184.63	0.16
20.90	0.09	12,114	184.63	0.16
21.00	0.09	12,088	184.63	0.16
21.10	0.09	12,062	184.62	0.16
21.20	0.09	12,036	184.62	0.16
21.30	0.09	12,010	184.62	0.16
21.40	0.09	11,983	184.61	0.16
21.50	0.09	11,957	184.61	0.16
21.60	0.09	11,930	184.61	0.16
21.70	0.09	11,903	184.60	0.16
21.80	0.08	11,876	184.60	0.16
21.90	0.08	11,849	184.60	0.16
22.00	0.08	11,822	184.59	0.16
22.10	0.08	11,794	184.59	0.16
22.20	0.08	11,767	184.59	0.16
22.30	0.08	11,739	184.58	0.16
22.40	0.08	11,712	184.58	0.16
22.50	0.08	11,684	184.58	0.16
22.60	0.08	11,656	184.57	0.16
22.70	0.08	11,627	184.57	0.16
22.80	0.08	11,599	184.57	0.16
22.90	0.08	11,571	184.56	0.16
23.00	0.08	11,542	184.56	0.16
23.10	0.08	11,513	184.56	0.16
23.20	0.08	11,485	184.55	0.16
23.30	0.07	11,456	184.55	0.16
23.40	0.07	11,426	184.55	0.16
23.50	0.07	11,397	184.54	0.15
23.60	0.07	11,368	184.54	0.15
23.70	0.07	11,338	184.54	0.15
23.80	0.07	11,309	184.53	0.15
23.90	0.07	11,279	184.53	0.15
24.00	0.08	11,251	184.53	0.15
24.10	0.02	11,217	184.52	0.15
24.20	0.00	11,165	184.51	0.15
24.30	0.00	11,111	184.51	0.15
24.40	0.00	11,056	184.50	0.15
24.50	0.00	11,002	184.49	0.15
24.60	0.00	10,948	184.49	0.15
24.70	0.00	10,894	184.48	0.15
24.80	0.00	10,841	184.48	0.15
24.90	0.00	10,787	184.47	0.15
25.00	0.00	10,734	184.46	0.15
25.10	0.00	10,681	184.46	0.15
25.20	0.00	10,628	184.45	0.15
25.30	0.00	10,576	184.44	0.15
25.40	0.00	10,523	184.44	0.15
25.50	0.00	10,471	184.43	0.14
25.60	0.00	10,419	184.42	0.14
25.70	0.00	10,368	184.42	0.14
25.80	0.00	10,316	184.41	0.14
25.90	0.00	10,265	184.40	0.14

Hydrograph for Pond B-49: Basin #49 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	10,214	184.40	0.14
26.10	0.00	10,163	184.39	0.14
26.20	0.00	10,112	184.39	0.14
26.30	0.00	10,062	184.38	0.14
26.40	0.00	10,012	184.37	0.14
26.50	0.00	9,962	184.37	0.14
26.60	0.00	9,912	184.36	0.14
26.70	0.00	9,862	184.35	0.14
26.80	0.00	9,813	184.35	0.14
26.90	0.00	9,764	184.34	0.14
27.00	0.00	9,715	184.34	0.14
27.10	0.00	9,667	184.33	0.13
27.20	0.00	9,618	184.32	0.13
27.30	0.00	9,570	184.32	0.13
27.40	0.00	9,522	184.31	0.13
27.50	0.00	9,474	184.31	0.13
27.60	0.00	9,427	184.30	0.13
27.70	0.00	9,379	184.29	0.13
27.80	0.00	9,332	184.29	0.13
27.90	0.00	9,285	184.28	0.13
28.00	0.00	9,238	184.28	0.13
28.10	0.00	9,192	184.27	0.13
28.20	0.00	9,146	184.26	0.13
28.30	0.00	9,100	184.26	0.13
28.40	0.00	9,054	184.25	0.13
28.50	0.00	9,008	184.25	0.13
28.60	0.00	8,963	184.24	0.13
28.70	0.00	8,918	184.24	0.13
28.80	0.00	8,873	184.23	0.12
28.90	0.00	8,828	184.22	0.12
29.00	0.00	8,784	184.22	0.12
29.10	0.00	8,740	184.21	0.12
29.20	0.00	8,696	184.21	0.12
29.30	0.00	8,652	184.20	0.12
29.40	0.00	8,608	184.20	0.12
29.50	0.00	8,565	184.19	0.12
29.60	0.00	8,522	184.18	0.12
29.70	0.00	8,479	184.18	0.12
29.80	0.00	8,436	184.17	0.12
29.90	0.00	8,394	184.17	0.12
30.00	0.00	8,351	184.16	0.12
30.10	0.00	8,309	184.16	0.12
30.20	0.00	8,267	184.15	0.12
30.30	0.00	8,226	184.15	0.12
30.40	0.00	8,185	184.14	0.11
30.50	0.00	8,143	184.14	0.11
30.60	0.00	8,103	184.13	0.11
30.70	0.00	8,062	184.13	0.11
30.80	0.00	8,021	184.12	0.11
30.90	0.00	7,981	184.12	0.11
31.00	0.00	7,941	184.11	0.11
31.10	0.00	7,901	184.10	0.11

Hydrograph for Pond B-49: Basin #49 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	7,862	184.10	0.11
31.30	0.00	7,823	184.09	0.11
31.40	0.00	7,783	184.09	0.11
31.50	0.00	7,745	184.08	0.11
31.60	0.00	7,706	184.08	0.11
31.70	0.00	7,668	184.07	0.11
31.80	0.00	7,629	184.07	0.11
31.90	0.00	7,591	184.06	0.11
32.00	0.00	7,554	184.06	0.10
32.10	0.00	7,516	184.05	0.10
32.20	0.00	7,479	184.05	0.10
32.30	0.00	7,442	184.05	0.10
32.40	0.00	7,405	184.04	0.10
32.50	0.00	7,368	184.04	0.10
32.60	0.00	7,332	184.03	0.10
32.70	0.00	7,296	184.03	0.10
32.80	0.00	7,260	184.02	0.10
32.90	0.00	7,224	184.02	0.10
33.00	0.00	7,189	184.01	0.10
33.10	0.00	7,154	184.01	0.10
33.20	0.00	7,119	184.00	0.10
33.30	0.00	7,084	184.00	0.10
33.40	0.00	7,049	183.99	0.10
33.50	0.00	7,015	183.99	0.10
33.60	0.00	6,981	183.98	0.09
33.70	0.00	6,947	183.98	0.09
33.80	0.00	6,913	183.98	0.09
33.90	0.00	6,880	183.97	0.09
34.00	0.00	6,847	183.97	0.09
34.10	0.00	6,814	183.96	0.09
34.20	0.00	6,781	183.96	0.09
34.30	0.00	6,749	183.95	0.09
34.40	0.00	6,716	183.95	0.09
34.50	0.00	6,684	183.95	0.09
34.60	0.00	6,653	183.94	0.09
34.70	0.00	6,621	183.94	0.09
34.80	0.00	6,590	183.93	0.09
34.90	0.00	6,559	183.93	0.09
35.00	0.00	6,528	183.93	0.09
35.10	0.00	6,497	183.92	0.08
35.20	0.00	6,467	183.92	0.08
35.30	0.00	6,437	183.91	0.08
35.40	0.00	6,407	183.91	0.08
35.50	0.00	6,377	183.91	0.08
35.60	0.00	6,348	183.90	0.08
35.70	0.00	6,318	183.90	0.08
35.80	0.00	6,289	183.89	0.08
35.90	0.00	6,261	183.89	0.08
36.00	0.00	6,232	183.89	0.08
36.10	0.00	6,204	183.88	0.08
36.20	0.00	6,176	183.88	0.08
36.30	0.00	6,148	183.87	0.08

Hydrograph for Pond B-49: Basin #49 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	6,120	183.87	0.08
36.50	0.00	6,093	183.87	0.08
36.60	0.00	6,066	183.86	0.07
36.70	0.00	6,039	183.86	0.07
36.80	0.00	6,012	183.86	0.07
36.90	0.00	5,986	183.85	0.07
37.00	0.00	5,960	183.85	0.07
37.10	0.00	5,934	183.85	0.07
37.20	0.00	5,908	183.84	0.07
37.30	0.00	5,883	183.84	0.07
37.40	0.00	5,857	183.84	0.07
37.50	0.00	5,832	183.83	0.07
37.60	0.00	5,808	183.83	0.07
37.70	0.00	5,783	183.83	0.07
37.80	0.00	5,759	183.82	0.07
37.90	0.00	5,734	183.82	0.07
38.00	0.00	5,711	183.82	0.07
38.10	0.00	5,687	183.81	0.07
38.20	0.00	5,664	183.81	0.06
38.30	0.00	5,641	183.81	0.06
38.40	0.00	5,618	183.80	0.06
38.50	0.00	5,595	183.80	0.06
38.60	0.00	5,573	183.80	0.06
38.70	0.00	5,551	183.79	0.06
38.80	0.00	5,529	183.79	0.06
38.90	0.00	5,507	183.79	0.06
39.00	0.00	5,486	183.79	0.06
39.10	0.00	5,464	183.78	0.06
39.20	0.00	5,443	183.78	0.06
39.30	0.00	5,423	183.78	0.06
39.40	0.00	5,402	183.77	0.06
39.50	0.00	5,382	183.77	0.06
39.60	0.00	5,361	183.77	0.06
39.70	0.00	5,342	183.77	0.05
39.80	0.00	5,322	183.76	0.05
39.90	0.00	5,303	183.76	0.05
40.00	0.00	5,284	183.76	0.05

Stage-Discharge for Pond B-49: Basin #49

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
183.00	0.00	183.52	0.00	184.04	0.10	184.56	0.16
183.01	0.00	183.53	0.00	184.05	0.10	184.57	0.16
183.02	0.00	183.54	0.00	184.06	0.10	184.58	0.16
183.03	0.00	183.55	0.00	184.07	0.11	184.59	0.16
183.04	0.00	183.56	0.00	184.08	0.11	184.60	0.16
183.05	0.00	183.57	0.00	184.09	0.11	184.61	0.16
183.06	0.00	183.58	0.00	184.10	0.11	184.62	0.16
183.07	0.00	183.59	0.00	184.11	0.11	184.63	0.16
183.08	0.00	183.60	0.00	184.12	0.11	184.64	0.16
183.09	0.00	183.61	0.01	184.13	0.11	184.65	0.16
183.10	0.00	183.62	0.01	184.14	0.11	184.66	0.16
183.11	0.00	183.63	0.01	184.15	0.12	184.67	0.17
183.12	0.00	183.64	0.01	184.16	0.12	184.68	0.17
183.13	0.00	183.65	0.02	184.17	0.12	184.69	0.17
183.14	0.00	183.66	0.02	184.18	0.12	184.70	0.17
183.15	0.00	183.67	0.02	184.19	0.12	184.71	0.17
183.16	0.00	183.68	0.03	184.20	0.12	184.72	0.17
183.17	0.00	183.69	0.03	184.21	0.12	184.73	0.17
183.18	0.00	183.70	0.03	184.22	0.12	184.74	0.17
183.19	0.00	183.71	0.04	184.23	0.12	184.75	0.18
183.20	0.00	183.72	0.04	184.24	0.13	184.76	0.21
183.21	0.00	183.73	0.05	184.25	0.13	184.77	0.24
183.22	0.00	183.74	0.05	184.26	0.13	184.78	0.28
183.23	0.00	183.75	0.05	184.27	0.13	184.79	0.32
183.24	0.00	183.76	0.05	184.28	0.13	184.80	0.37
183.25	0.00	183.77	0.06	184.29	0.13	184.81	0.42
183.26	0.00	183.78	0.06	184.30	0.13	184.82	0.47
183.27	0.00	183.79	0.06	184.31	0.13	184.83	0.53
183.28	0.00	183.80	0.06	184.32	0.13	184.84	0.59
183.29	0.00	183.81	0.06	184.33	0.13	184.85	0.65
183.30	0.00	183.82	0.07	184.34	0.14	184.86	0.72
183.31	0.00	183.83	0.07	184.35	0.14	184.87	0.79
183.32	0.00	183.84	0.07	184.36	0.14	184.88	0.86
183.33	0.00	183.85	0.07	184.37	0.14	184.89	0.94
183.34	0.00	183.86	0.07	184.38	0.14	184.90	1.01
183.35	0.00	183.87	0.08	184.39	0.14	184.91	1.09
183.36	0.00	183.88	0.08	184.40	0.14	184.92	1.17
183.37	0.00	183.89	0.08	184.41	0.14	184.93	1.26
183.38	0.00	183.90	0.08	184.42	0.14	184.94	1.34
183.39	0.00	183.91	0.08	184.43	0.14	184.95	1.43
183.40	0.00	183.92	0.08	184.44	0.15	184.96	1.52
183.41	0.00	183.93	0.09	184.45	0.15	184.97	1.61
183.42	0.00	183.94	0.09	184.46	0.15	184.98	1.71
183.43	0.00	183.95	0.09	184.47	0.15	184.99	1.80
183.44	0.00	183.96	0.09	184.48	0.15	185.00	1.90
183.45	0.00	183.97	0.09	184.49	0.15	185.01	2.00
183.46	0.00	183.98	0.09	184.50	0.15	185.02	2.10
183.47	0.00	183.99	0.10	184.51	0.15	185.03	2.21
183.48	0.00	184.00	0.10	184.52	0.15	185.04	2.31
183.49	0.00	184.01	0.10	184.53	0.15	185.05	2.42
183.50	0.00	184.02	0.10	184.54	0.15	185.06	2.52
183.51	0.00	184.03	0.10	184.55	0.16	185.07	2.63

Stage-Discharge for Pond B-49: Basin #49 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
185.08	2.75	185.60	8.30	186.12	9.33	186.64	10.26
185.09	2.86	185.61	8.33	186.13	9.35	186.65	10.28
185.10	2.97	185.62	8.35	186.14	9.37	186.66	10.29
185.11	3.09	185.63	8.37	186.15	9.39	186.67	10.31
185.12	3.20	185.64	8.39	186.16	9.41	186.68	10.33
185.13	3.32	185.65	8.41	186.17	9.43	186.69	10.34
185.14	3.44	185.66	8.43	186.18	9.44	186.70	10.36
185.15	3.56	185.67	8.45	186.19	9.46	186.71	10.38
185.16	3.69	185.68	8.47	186.20	9.48	186.72	10.40
185.17	3.81	185.69	8.49	186.21	9.50	186.73	10.41
185.18	3.94	185.70	8.51	186.22	9.52	186.74	10.43
185.19	4.06	185.71	8.53	186.23	9.54	186.75	10.45
185.20	4.19	185.72	8.55	186.24	9.56	186.76	10.46
185.21	4.32	185.73	8.57	186.25	9.57	186.77	10.48
185.22	4.45	185.74	8.59	186.26	9.59	186.78	10.50
185.23	4.58	185.75	8.61	186.27	9.61	186.79	10.51
185.24	4.72	185.76	8.63	186.28	9.63	186.80	10.53
185.25	4.85	185.77	8.65	186.29	9.65	186.81	10.55
185.26	4.99	185.78	8.67	186.30	9.66	186.82	10.56
185.27	5.12	185.79	8.69	186.31	9.68	186.83	10.58
185.28	5.26	185.80	8.71	186.32	9.70	186.84	10.59
185.29	5.40	185.81	8.73	186.33	9.72	186.85	10.61
185.30	5.54	185.82	8.75	186.34	9.74	186.86	10.63
185.31	5.68	185.83	8.77	186.35	9.75	186.87	10.64
185.32	5.82	185.84	8.79	186.36	9.77	186.88	10.66
185.33	5.97	185.85	8.81	186.37	9.79	186.89	10.68
185.34	6.11	185.86	8.83	186.38	9.81	186.90	10.69
185.35	6.26	185.87	8.85	186.39	9.83	186.91	10.71
185.36	6.40	185.88	8.87	186.40	9.84	186.92	10.73
185.37	6.55	185.89	8.89	186.41	9.86	186.93	10.74
185.38	6.70	185.90	8.91	186.42	9.88	186.94	10.76
185.39	6.85	185.91	8.93	186.43	9.90	186.95	10.77
185.40	7.00	185.92	8.95	186.44	9.91	186.96	10.79
185.41	7.15	185.93	8.97	186.45	9.93	186.97	10.81
185.42	7.30	185.94	8.99	186.46	9.95	186.98	10.82
185.43	7.46	185.95	9.01	186.47	9.97	186.99	10.84
185.44	7.61	185.96	9.03	186.48	9.98	187.00	10.86
185.45	7.77	185.97	9.05	186.49	10.00	187.01	10.87
185.46	7.92	185.98	9.07	186.50	10.02	187.02	10.89
185.47	8.03	185.99	9.09	186.51	10.04	187.03	10.90
185.48	8.05	186.00	9.11	186.52	10.05	187.04	10.92
185.49	8.07	186.01	9.13	186.53	10.07	187.05	10.94
185.50	8.09	186.02	9.14	186.54	10.09	187.06	10.95
185.51	8.11	186.03	9.16	186.55	10.11	187.07	10.97
185.52	8.13	186.04	9.18	186.56	10.12	187.08	10.98
185.53	8.16	186.05	9.20	186.57	10.14	187.09	11.00
185.54	8.18	186.06	9.22	186.58	10.16	187.10	11.01
185.55	8.20	186.07	9.24	186.59	10.17	187.11	11.03
185.56	8.22	186.08	9.26	186.60	10.19	187.12	11.05
185.57	8.24	186.09	9.28	186.61	10.21	187.13	11.06
185.58	8.26	186.10	9.30	186.62	10.23	187.14	11.08
185.59	8.28	186.11	9.31	186.63	10.24	187.15	11.09

Stage-Discharge for Pond B-49: Basin #49 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
187.16	11.11	187.68	11.90	188.20	42.16
187.17	11.13	187.69	11.91	188.21	43.16
187.18	11.14	187.70	11.93	188.22	44.18
187.19	11.16	187.71	11.94	188.23	45.20
187.20	11.17	187.72	11.96	188.24	46.23
187.21	11.19	187.73	11.97	188.25	47.28
187.22	11.20	187.74	11.99	188.26	48.33
187.23	11.22	187.75	12.00	188.27	49.39
187.24	11.23	187.76	12.11	188.28	50.47
187.25	11.25	187.77	12.31	188.29	51.55
187.26	11.27	187.78	12.55	188.30	52.64
187.27	11.28	187.79	12.84	188.31	53.75
187.28	11.30	187.80	13.17	188.32	54.86
187.29	11.31	187.81	13.53	188.33	55.98
187.30	11.33	187.82	13.92	188.34	57.11
187.31	11.34	187.83	14.34	188.35	58.25
187.32	11.36	187.84	14.78	188.36	59.40
187.33	11.37	187.85	15.25	188.37	60.56
187.34	11.39	187.86	15.74	188.38	61.73
187.35	11.40	187.87	16.25	188.39	62.91
187.36	11.42	187.88	16.78	188.40	64.10
187.37	11.43	187.89	17.34	188.41	65.29
187.38	11.45	187.90	17.91	188.42	66.50
187.39	11.47	187.91	18.50	188.43	67.71
187.40	11.48	187.92	19.11	188.44	68.93
187.41	11.50	187.93	19.74	188.45	70.16
187.42	11.51	187.94	20.39	188.46	71.40
187.43	11.53	187.95	21.05	188.47	72.65
187.44	11.54	187.96	21.73	188.48	73.91
187.45	11.56	187.97	22.42	188.49	75.17
187.46	11.57	187.98	23.14	188.50	**76.45**
187.47	11.59	187.99	23.86		
187.48	11.60	188.00	24.60		
187.49	11.62	188.01	25.36		
187.50	11.63	188.02	26.13		
187.51	11.65	188.03	26.91		
187.52	11.66	188.04	27.71		
187.53	11.68	188.05	28.52		
187.54	11.69	188.06	29.34		
187.55	11.71	188.07	30.18		
187.56	11.72	188.08	31.03		
187.57	11.74	188.09	31.89		
187.58	11.75	188.10	32.77		
187.59	11.77	188.11	33.65		
187.60	11.78	188.12	34.55		
187.61	11.80	188.13	35.46		
187.62	11.81	188.14	36.39		
187.63	11.83	188.15	37.32		
187.64	11.84	188.16	38.27		
187.65	11.85	188.17	39.22		
187.66	11.87	188.18	40.19		
187.67	11.88	188.19	41.17		

Stage-Area-Storage for Pond B-49: Basin #49

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
183.00	6,565	0	183.52	7,116	3,557
183.01	6,576	66	183.53	7,127	3,628
183.02	6,586	132	183.54	7,137	3,700
183.03	6,597	197	183.55	7,148	3,771
183.04	6,607	263	183.56	7,159	3,843
183.05	6,618	330	183.57	7,169	3,914
183.06	6,629	396	183.58	7,180	3,986
183.07	6,639	462	183.59	7,190	4,058
183.08	6,650	529	183.60	7,201	4,130
183.09	6,660	595	183.61	7,212	4,202
183.10	6,671	662	183.62	7,222	4,274
183.11	6,682	729	183.63	7,233	4,346
183.12	6,692	795	183.64	7,243	4,419
183.13	6,703	862	183.65	7,254	4,491
183.14	6,713	929	183.66	7,265	4,564
183.15	6,724	997	183.67	7,275	4,636
183.16	6,735	1,064	183.68	7,286	4,709
183.17	6,745	1,131	183.69	7,296	4,782
183.18	6,756	1,199	183.70	7,307	4,855
183.19	6,766	1,266	183.71	7,318	4,928
183.20	6,777	1,334	183.72	7,328	5,002
183.21	6,788	1,402	183.73	7,339	5,075
183.22	6,798	1,470	183.74	7,349	5,148
183.23	6,809	1,538	183.75	7,360	5,222
183.24	6,819	1,606	183.76	7,371	5,296
183.25	6,830	1,674	183.77	7,381	5,369
183.26	6,841	1,743	183.78	7,392	5,443
183.27	6,851	1,811	183.79	7,402	5,517
183.28	6,862	1,880	183.80	7,413	5,591
183.29	6,872	1,948	183.81	7,424	5,665
183.30	6,883	2,017	183.82	7,434	5,740
183.31	6,894	2,086	183.83	7,445	5,814
183.32	6,904	2,155	183.84	7,455	5,889
183.33	6,915	2,224	183.85	7,466	5,963
183.34	6,925	2,293	183.86	7,477	6,038
183.35	6,936	2,363	183.87	7,487	6,113
183.36	6,947	2,432	183.88	7,498	6,188
183.37	6,957	2,502	183.89	7,508	6,263
183.38	6,968	2,571	183.90	7,519	6,338
183.39	6,978	2,641	183.91	7,530	6,413
183.40	6,989	2,711	183.92	7,540	6,488
183.41	7,000	2,781	183.93	7,551	6,564
183.42	7,010	2,851	183.94	7,561	6,639
183.43	7,021	2,921	183.95	7,572	6,715
183.44	7,031	2,991	183.96	7,583	6,791
183.45	7,042	3,062	183.97	7,593	6,867
183.46	7,053	3,132	183.98	7,604	6,943
183.47	7,063	3,203	183.99	7,614	7,019
183.48	7,074	3,273	184.00	7,625	7,095
183.49	7,084	3,344	184.01	7,636	7,171
183.50	7,095	3,415	184.02	7,647	7,248
183.51	7,106	3,486	184.03	7,658	7,324

Stage-Area-Storage for Pond B-49: Basin #49 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
184.04	7,669	7,401	184.56	8,237	11,536
184.05	7,680	7,478	184.57	8,247	11,619
184.06	7,691	7,554	184.58	8,258	11,701
184.07	7,701	7,631	184.59	8,269	11,784
184.08	7,712	7,708	184.60	8,280	11,867
184.09	7,723	7,786	184.61	8,291	11,949
184.10	7,734	7,863	184.62	8,302	12,032
184.11	7,745	7,940	184.63	8,313	12,115
184.12	7,756	8,018	184.64	8,324	12,199
184.13	7,767	8,095	184.65	8,335	12,282
184.14	7,778	8,173	184.66	8,346	12,365
184.15	7,789	8,251	184.67	8,357	12,449
184.16	7,800	8,329	184.68	8,368	12,532
184.17	7,811	8,407	184.69	8,378	12,616
184.18	7,822	8,485	184.70	8,389	12,700
184.19	7,832	8,563	184.71	8,400	12,784
184.20	7,843	8,642	184.72	8,411	12,868
184.21	7,854	8,720	184.73	8,422	12,952
184.22	7,865	8,799	184.74	8,433	13,036
184.23	7,876	8,878	184.75	8,444	13,121
184.24	7,887	8,956	184.76	8,455	13,205
184.25	7,898	9,035	184.77	8,466	13,290
184.26	7,909	9,114	184.78	8,477	13,375
184.27	7,920	9,194	184.79	8,488	13,460
184.28	7,931	9,273	184.80	8,499	13,544
184.29	7,942	9,352	184.81	8,510	13,629
184.30	7,953	9,432	184.82	8,520	13,715
184.31	7,964	9,511	184.83	8,531	13,800
184.32	7,974	9,591	184.84	8,542	13,885
184.33	7,985	9,671	184.85	8,553	13,971
184.34	7,996	9,751	184.86	8,564	14,056
184.35	8,007	9,831	184.87	8,575	14,142
184.36	8,018	9,911	184.88	8,586	14,228
184.37	8,029	9,991	184.89	8,597	14,314
184.38	8,040	10,071	184.90	8,608	14,400
184.39	8,051	10,152	184.91	8,619	14,486
184.40	8,062	10,232	184.92	8,630	14,572
184.41	8,073	10,313	184.93	8,641	14,658
184.42	8,084	10,394	184.94	8,651	14,745
184.43	8,095	10,475	184.95	8,662	14,832
184.44	8,105	10,556	184.96	8,673	14,918
184.45	8,116	10,637	184.97	8,684	15,005
184.46	8,127	10,718	184.98	8,695	15,092
184.47	8,138	10,799	184.99	8,706	15,179
184.48	8,149	10,881	185.00	8,717	15,266
184.49	8,160	10,962	185.01	8,728	15,353
184.50	8,171	11,044	185.02	8,740	15,441
184.51	8,182	11,126	185.03	8,751	15,528
184.52	8,193	11,208	185.04	8,762	15,616
184.53	8,204	11,290	185.05	8,774	15,703
184.54	8,215	11,372	185.06	8,785	15,791
184.55	8,226	11,454	185.07	8,797	15,879

Stage-Area-Storage for Pond B-49: Basin #49 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
185.08	8,808	15,967	185.60	9,399	20,701
185.09	8,819	16,055	185.61	9,410	20,795
185.10	8,831	16,143	185.62	9,421	20,889
185.11	8,842	16,232	185.63	9,433	20,983
185.12	8,853	16,320	185.64	9,444	21,078
185.13	8,865	16,409	185.65	9,455	21,172
185.14	8,876	16,498	185.66	9,467	21,267
185.15	8,887	16,586	185.67	9,478	21,361
185.16	8,899	16,675	185.68	9,489	21,456
185.17	8,910	16,764	185.69	9,501	21,551
185.18	8,921	16,853	185.70	9,512	21,646
185.19	8,933	16,943	185.71	9,524	21,741
185.20	8,944	17,032	185.72	9,535	21,837
185.21	8,956	17,122	185.73	9,546	21,932
185.22	8,967	17,211	185.74	9,558	22,028
185.23	8,978	17,301	185.75	9,569	22,123
185.24	8,990	17,391	185.76	9,580	22,219
185.25	9,001	17,481	185.77	9,592	22,315
185.26	9,012	17,571	185.78	9,603	22,411
185.27	9,024	17,661	185.79	9,614	22,507
185.28	9,035	17,751	185.80	9,626	22,603
185.29	9,046	17,842	185.81	9,637	22,699
185.30	9,058	17,932	185.82	9,649	22,796
185.31	9,069	18,023	185.83	9,660	22,892
185.32	9,081	18,114	185.84	9,671	22,989
185.33	9,092	18,204	185.85	9,683	23,086
185.34	9,103	18,295	185.86	9,694	23,183
185.35	9,115	18,387	185.87	9,705	23,280
185.36	9,126	18,478	185.88	9,717	23,377
185.37	9,137	18,569	185.89	9,728	23,474
185.38	9,149	18,660	185.90	9,739	23,571
185.39	9,160	18,752	185.91	9,751	23,669
185.40	9,171	18,844	185.92	9,762	23,766
185.41	9,183	18,935	185.93	9,773	23,864
185.42	9,194	19,027	185.94	9,785	23,962
185.43	9,205	19,119	185.95	9,796	24,060
185.44	9,217	19,211	185.96	9,808	24,158
185.45	9,228	19,304	185.97	9,819	24,256
185.46	9,240	19,396	185.98	9,830	24,354
185.47	9,251	19,488	185.99	9,842	24,453
185.48	9,262	19,581	186.00	9,853	24,551
185.49	9,274	19,674	186.01	9,865	24,650
185.50	9,285	19,767	186.02	9,876	24,748
185.51	9,296	19,859	186.03	9,888	24,847
185.52	9,308	19,952	186.04	9,900	24,946
185.53	9,319	20,046	186.05	9,912	25,045
185.54	9,330	20,139	186.06	9,923	25,144
185.55	9,342	20,232	186.07	9,935	25,244
185.56	9,353	20,326	186.08	9,947	25,343
185.57	9,365	20,419	186.09	9,959	25,443
185.58	9,376	20,513	186.10	9,970	25,542
185.59	9,387	20,607	186.11	9,982	25,642

Stage-Area-Storage for Pond B-49: Basin #49 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
186.12	9,994	25,742	186.64	10,604	31,097
186.13	10,006	25,842	186.65	10,616	31,203
186.14	10,017	25,942	186.66	10,628	31,310
186.15	10,029	26,042	186.67	10,640	31,416
186.16	10,041	26,143	186.68	10,651	31,522
186.17	10,053	26,243	186.69	10,663	31,629
186.18	10,064	26,344	186.70	10,675	31,736
186.19	10,076	26,444	186.71	10,687	31,843
186.20	10,088	26,545	186.72	10,698	31,949
186.21	10,100	26,646	186.73	10,710	32,057
186.22	10,111	26,747	186.74	10,722	32,164
186.23	10,123	26,848	186.75	10,734	32,271
186.24	10,135	26,950	186.76	10,745	32,378
186.25	10,147	27,051	186.77	10,757	32,486
186.26	10,158	27,152	186.78	10,769	32,593
186.27	10,170	27,254	186.79	10,780	32,701
186.28	10,182	27,356	186.80	10,792	32,809
186.29	10,193	27,458	186.81	10,804	32,917
186.30	10,205	27,560	186.82	10,816	33,025
186.31	10,217	27,662	186.83	10,827	33,133
186.32	10,229	27,764	186.84	10,839	33,242
186.33	10,240	27,866	186.85	10,851	33,350
186.34	10,252	27,969	186.86	10,863	33,459
186.35	10,264	28,071	186.87	10,874	33,567
186.36	10,276	28,174	186.88	10,886	33,676
186.37	10,287	28,277	186.89	10,898	33,785
186.38	10,299	28,380	186.90	10,910	33,894
186.39	10,311	28,483	186.91	10,921	34,003
186.40	10,323	28,586	186.92	10,933	34,113
186.41	10,334	28,689	186.93	10,945	34,222
186.42	10,346	28,793	186.94	10,957	34,331
186.43	10,358	28,896	186.95	10,968	34,441
186.44	10,370	29,000	186.96	10,980	34,551
186.45	10,381	29,104	186.97	10,992	34,661
186.46	10,393	29,208	186.98	11,004	34,771
186.47	10,405	29,312	186.99	11,015	34,881
186.48	10,417	29,416	187.00	11,027	34,991
186.49	10,428	29,520	187.01	11,040	35,101
186.50	10,440	29,624	187.02	11,053	35,212
186.51	10,452	29,729	187.03	11,066	35,322
186.52	10,463	29,833	187.04	11,079	35,433
186.53	10,475	29,938	187.05	11,092	35,544
186.54	10,487	30,043	187.06	11,105	35,655
186.55	10,499	30,148	187.07	11,118	35,766
186.56	10,510	30,253	187.08	11,131	35,877
186.57	10,522	30,358	187.09	11,145	35,989
186.58	10,534	30,463	187.10	11,158	36,100
186.59	10,546	30,569	187.11	11,171	36,212
186.60	10,557	30,674	187.12	11,184	36,324
186.61	10,569	30,780	187.13	11,197	36,436
186.62	10,581	30,886	187.14	11,210	36,548
186.63	10,593	30,991	187.15	11,223	36,660

Stage-Area-Storage for Pond B-49: Basin #49 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
187.16	11,236	36,772	187.68	11,915	42,791
187.17	11,249	36,884	187.69	11,928	42,911
187.18	11,262	36,997	187.70	11,941	43,030
187.19	11,275	37,110	187.71	11,954	43,149
187.20	11,288	37,223	187.72	11,967	43,269
187.21	11,301	37,335	187.73	11,980	43,389
187.22	11,314	37,449	187.74	11,993	43,509
187.23	11,327	37,562	187.75	12,007	43,629
187.24	11,340	37,675	187.76	12,020	43,749
187.25	11,354	37,789	187.77	12,033	43,869
187.26	11,367	37,902	187.78	12,046	43,989
187.27	11,380	38,016	187.79	12,059	44,110
187.28	11,393	38,130	187.80	12,072	44,231
187.29	11,406	38,244	187.81	12,085	44,351
187.30	11,419	38,358	187.82	12,098	44,472
187.31	11,432	38,472	187.83	12,111	44,593
187.32	11,445	38,587	187.84	12,124	44,714
187.33	11,458	38,701	187.85	12,137	44,836
187.34	11,471	38,816	187.86	12,150	44,957
187.35	11,484	38,930	187.87	12,163	45,079
187.36	11,497	39,045	187.88	12,176	45,200
187.37	11,510	39,160	187.89	12,189	45,322
187.38	11,523	39,276	187.90	12,202	45,444
187.39	11,536	39,391	187.91	12,215	45,566
187.40	11,549	39,506	187.92	12,229	45,689
187.41	11,562	39,622	187.93	12,242	45,811
187.42	11,576	39,738	187.94	12,255	45,933
187.43	11,589	39,853	187.95	12,268	46,056
187.44	11,602	39,969	187.96	12,281	46,179
187.45	11,615	40,085	187.97	12,294	46,302
187.46	11,628	40,202	187.98	12,307	46,425
187.47	11,641	40,318	187.99	12,320	46,548
187.48	11,654	40,434	188.00	12,333	46,671
187.49	11,667	40,551	188.01	12,345	46,794
187.50	11,680	40,668	188.02	12,358	46,918
187.51	11,693	40,785	188.03	12,370	47,042
187.52	11,706	40,902	188.04	12,383	47,165
187.53	11,719	41,019	188.05	12,395	47,289
187.54	11,732	41,136	188.06	12,408	47,413
187.55	11,745	41,253	188.07	12,420	47,537
187.56	11,758	41,371	188.08	12,433	47,662
187.57	11,771	41,489	188.09	12,445	47,786
187.58	11,784	41,606	188.10	12,458	47,911
187.59	11,798	41,724	188.11	12,470	48,035
187.60	11,811	41,842	188.12	12,483	48,160
187.61	11,824	41,960	188.13	12,495	48,285
187.62	11,837	42,079	188.14	12,507	48,410
187.63	11,850	42,197	188.15	12,520	48,535
187.64	11,863	42,316	188.16	12,532	48,660
187.65	11,876	42,434	188.17	12,545	48,786
187.66	11,889	42,553	188.18	12,557	48,911
187.67	11,902	42,672	188.19	12,570	49,037

Stage-Area-Storage for Pond B-49: Basin #49 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
188.20	12,582	49,163
188.21	12,595	49,288
188.22	12,607	49,414
188.23	12,620	49,541
188.24	12,632	49,667
188.25	12,645	49,793
188.26	12,657	49,920
188.27	12,669	50,046
188.28	12,682	50,173
188.29	12,694	50,300
188.30	12,707	50,427
188.31	12,719	50,554
188.32	12,732	50,681
188.33	12,744	50,809
188.34	12,757	50,936
188.35	12,769	51,064
188.36	12,782	51,192
188.37	12,794	51,319
188.38	12,806	51,448
188.39	12,819	51,576
188.40	12,831	51,704
188.41	12,844	51,832
188.42	12,856	51,961
188.43	12,869	52,089
188.44	12,881	52,218
188.45	12,894	52,347
188.46	12,906	52,476
188.47	12,919	52,605
188.48	12,931	52,734
188.49	12,944	52,864
188.50	**12,956**	**52,993**

Summary for Pond B-50: Basin #50

Inflow Area = 2.262 ac, 29.27% Impervious, Inflow Depth = 2.11" for Future 2 yr event
Inflow = 5.62 cfs @ 12.10 hrs, Volume= 0.398 af
Outflow = 0.15 cfs @ 16.58 hrs, Volume= 0.279 af, Atten= 97%, Lag= 268.8 min
Primary = 0.15 cfs @ 16.58 hrs, Volume= 0.279 af
Routed to Link PDA-5 : Proposed Drainage Area #5

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 185.27' @ 16.58 hrs Surf.Area= 10,475 sf Storage= 12,275 cf

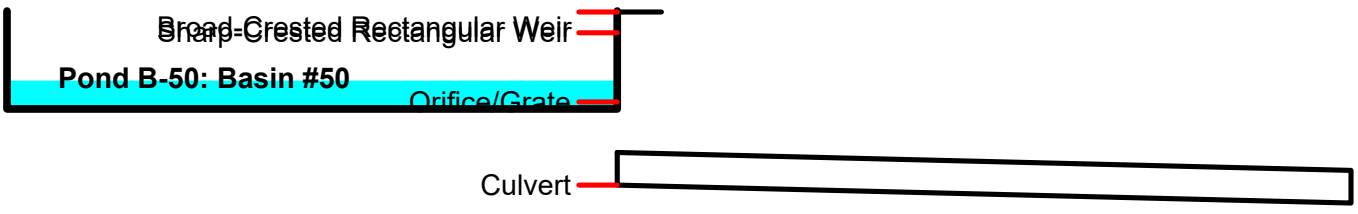
Plug-Flow detention time= 758.1 min calculated for 0.278 af (70% of inflow)
Center-of-Mass det. time= 654.7 min (1,457.2 - 802.5)

Volume	Invert	Avail.Storage	Storage Description
#1	184.00'	53,209 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

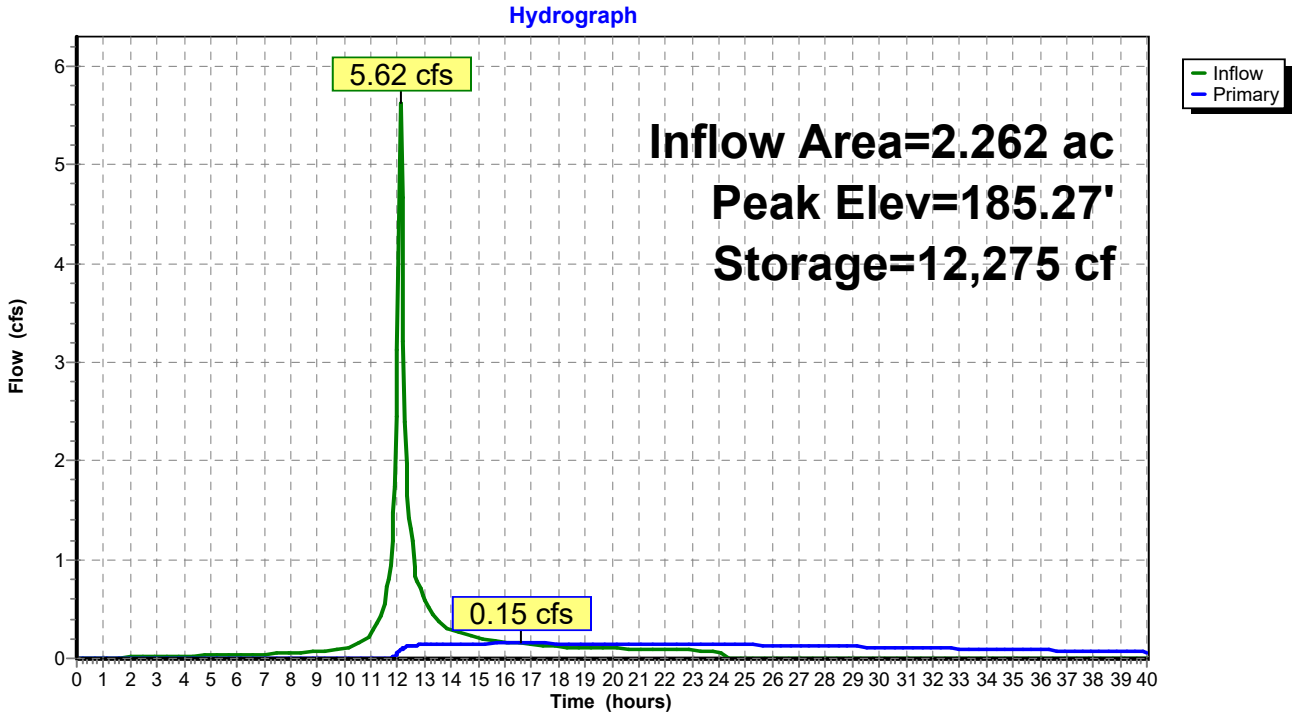
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
184.00	8,805	0	0
185.00	10,108	9,457	9,457
186.00	11,448	10,778	20,235
187.00	12,826	12,137	32,372
188.00	14,244	13,535	45,907
188.50	14,966	7,303	53,209

Device	Routing	Invert	Outlet Devices
#1	Primary	180.50'	**18.0" Round Culvert** L= 83.0' Ke= 0.500 Inlet / Outlet Invert= 180.50' / 179.67' S= 0.0100 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	184.32'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	187.50'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	188.45'	**30.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.15 cfs @ 16.58 hrs HW=185.27' (Free Discharge)
- **1=Culvert** (Passes 0.15 cfs of 16.54 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.15 cfs @ 4.44 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-50: Basin #50



Hydrograph for Pond B-50: Basin #50

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	184.00	0.00
0.10	0.00	0	184.00	0.00
0.20	0.00	0	184.00	0.00
0.30	0.00	0	184.00	0.00
0.40	0.00	0	184.00	0.00
0.50	0.00	0	184.00	0.00
0.60	0.00	0	184.00	0.00
0.70	0.00	0	184.00	0.00
0.80	0.00	0	184.00	0.00
0.90	0.00	0	184.00	0.00
1.00	0.00	0	184.00	0.00
1.10	0.00	0	184.00	0.00
1.20	0.00	1	184.00	0.00
1.30	0.00	2	184.00	0.00
1.40	0.00	3	184.00	0.00
1.50	0.01	5	184.00	0.00
1.60	0.01	7	184.00	0.00
1.70	0.01	10	184.00	0.00
1.80	0.01	12	184.00	0.00
1.90	0.01	16	184.00	0.00
2.00	0.01	19	184.00	0.00
2.10	0.01	23	184.00	0.00
2.20	0.01	27	184.00	0.00
2.30	0.01	31	184.00	0.00
2.40	0.01	36	184.00	0.00
2.50	0.01	41	184.00	0.00
2.60	0.01	46	184.01	0.00
2.70	0.02	52	184.01	0.00
2.80	0.02	58	184.01	0.00
2.90	0.02	64	184.01	0.00
3.00	0.02	70	184.01	0.00
3.10	0.02	76	184.01	0.00
3.20	0.02	83	184.01	0.00
3.30	0.02	90	184.01	0.00
3.40	0.02	97	184.01	0.00
3.50	0.02	105	184.01	0.00
3.60	0.02	113	184.01	0.00
3.70	0.02	120	184.01	0.00
3.80	0.02	128	184.01	0.00
3.90	0.02	137	184.02	0.00
4.00	0.02	145	184.02	0.00
4.10	0.02	154	184.02	0.00
4.20	0.02	163	184.02	0.00
4.30	0.03	172	184.02	0.00
4.40	0.03	181	184.02	0.00
4.50	0.03	191	184.02	0.00
4.60	0.03	200	184.02	0.00
4.70	0.03	210	184.02	0.00
4.80	0.03	220	184.02	0.00
4.90	0.03	230	184.03	0.00
5.00	0.03	241	184.03	0.00
5.10	0.03	251	184.03	0.00

Hydrograph for Pond B-50: Basin #50 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.03	262	184.03	0.00
5.30	0.03	273	184.03	0.00
5.40	0.03	284	184.03	0.00
5.50	0.03	295	184.03	0.00
5.60	0.03	306	184.03	0.00
5.70	0.03	318	184.04	0.00
5.80	0.03	330	184.04	0.00
5.90	0.03	341	184.04	0.00
6.00	0.03	353	184.04	0.00
6.10	0.03	366	184.04	0.00
6.20	0.04	378	184.04	0.00
6.30	0.04	391	184.04	0.00
6.40	0.04	405	184.05	0.00
6.50	0.04	418	184.05	0.00
6.60	0.04	433	184.05	0.00
6.70	0.04	447	184.05	0.00
6.80	0.04	462	184.05	0.00
6.90	0.04	477	184.05	0.00
7.00	0.04	493	184.06	0.00
7.10	0.05	509	184.06	0.00
7.20	0.05	526	184.06	0.00
7.30	0.05	543	184.06	0.00
7.40	0.05	560	184.06	0.00
7.50	0.05	578	184.07	0.00
7.60	0.05	596	184.07	0.00
7.70	0.05	614	184.07	0.00
7.80	0.05	633	184.07	0.00
7.90	0.05	652	184.07	0.00
8.00	0.06	672	184.08	0.00
8.10	0.06	692	184.08	0.00
8.20	0.06	712	184.08	0.00
8.30	0.06	733	184.08	0.00
8.40	0.06	755	184.09	0.00
8.50	0.06	776	184.09	0.00
8.60	0.06	798	184.09	0.00
8.70	0.06	821	184.09	0.00
8.80	0.06	844	184.10	0.00
8.90	0.07	867	184.10	0.00
9.00	0.07	891	184.10	0.00
9.10	0.07	915	184.10	0.00
9.20	0.07	941	184.11	0.00
9.30	0.08	969	184.11	0.00
9.40	0.08	997	184.11	0.00
9.50	0.09	1,027	184.12	0.00
9.60	0.09	1,059	184.12	0.00
9.70	0.09	1,092	184.12	0.00
9.80	0.10	1,126	184.13	0.00
9.90	0.10	1,161	184.13	0.00
10.00	0.10	1,198	184.13	0.00
10.10	0.11	1,237	184.14	0.00
10.20	0.12	1,277	184.14	0.00
10.30	0.12	1,320	184.15	0.00

Hydrograph for Pond B-50: Basin #50 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.13	1,365	184.15	0.00
10.50	0.14	1,413	184.16	0.00
10.60	0.16	1,466	184.16	0.00
10.70	0.18	1,526	184.17	0.00
10.80	0.20	1,593	184.18	0.00
10.90	0.22	1,669	184.19	0.00
11.00	0.25	1,753	184.20	0.00
11.10	0.29	1,849	184.21	0.00
11.20	0.33	1,961	184.22	0.00
11.30	0.38	2,089	184.23	0.00
11.40	0.43	2,235	184.25	0.00
11.50	0.48	2,399	184.27	0.00
11.60	0.74	2,620	184.29	0.00
11.70	0.85	2,907	184.32	0.00
11.80	1.18	3,274	184.36	0.00
11.90	1.74	3,799	184.42	0.02
12.00	3.13	4,666	184.51	0.05
12.10	**5.62**	6,227	184.67	0.08
12.20	3.21	7,827	184.84	0.11
12.30	1.97	8,683	184.92	0.12
12.40	1.42	9,242	184.98	0.12
12.50	1.27	9,678	185.02	0.13
12.60	0.92	10,027	185.06	0.13
12.70	0.79	10,283	185.08	0.13
12.80	0.72	10,507	185.10	0.14
12.90	0.66	10,707	185.12	0.14
13.00	0.59	10,883	185.14	0.14
13.10	0.53	11,034	185.15	0.14
13.20	0.49	11,165	185.17	0.14
13.30	0.45	11,282	185.18	0.14
13.40	0.41	11,386	185.19	0.14
13.50	0.38	11,476	185.20	0.14
13.60	0.34	11,553	185.20	0.14
13.70	0.32	11,620	185.21	0.15
13.80	0.31	11,682	185.22	0.15
13.90	0.31	11,741	185.22	0.15
14.00	0.30	11,797	185.23	0.15
14.10	0.29	11,849	185.23	0.15
14.20	0.28	11,897	185.24	0.15
14.30	0.27	11,942	185.24	0.15
14.40	0.26	11,983	185.25	0.15
14.50	0.25	12,021	185.25	0.15
14.60	0.24	12,055	185.25	0.15
14.70	0.23	12,086	185.26	0.15
14.80	0.22	12,113	185.26	0.15
14.90	0.21	12,136	185.26	0.15
15.00	0.20	12,156	185.26	0.15
15.10	0.19	12,172	185.26	0.15
15.20	0.19	12,186	185.27	0.15
15.30	0.18	12,198	185.27	0.15
15.40	0.18	12,210	185.27	0.15
15.50	0.18	12,220	185.27	0.15

Hydrograph for Pond B-50: Basin #50 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.18	12,230	185.27	0.15
15.70	0.17	12,239	185.27	0.15
15.80	0.17	12,246	185.27	0.15
15.90	0.17	12,253	185.27	0.15
16.00	0.17	12,259	185.27	0.15
16.10	0.16	12,264	185.27	0.15
16.20	0.16	12,268	185.27	0.15
16.30	0.16	12,271	185.27	0.15
16.40	0.16	12,273	185.27	0.15
16.50	0.15	12,275	185.27	0.15
16.60	0.15	**12,275**	**185.27**	**0.15**
16.70	0.15	12,274	185.27	0.15
16.80	0.15	12,273	185.27	0.15
16.90	0.14	12,270	185.27	0.15
17.00	0.14	12,267	185.27	0.15
17.10	0.14	12,263	185.27	0.15
17.20	0.14	12,257	185.27	0.15
17.30	0.13	12,251	185.27	0.15
17.40	0.13	12,244	185.27	0.15
17.50	0.13	12,236	185.27	0.15
17.60	0.12	12,227	185.27	0.15
17.70	0.12	12,217	185.27	0.15
17.80	0.12	12,206	185.27	0.15
17.90	0.12	12,195	185.27	0.15
18.00	0.11	12,182	185.26	0.15
18.10	0.11	12,168	185.26	0.15
18.20	0.11	12,154	185.26	0.15
18.30	0.11	12,140	185.26	0.15
18.40	0.11	12,125	185.26	0.15
18.50	0.11	12,110	185.26	0.15
18.60	0.11	12,095	185.26	0.15
18.70	0.11	12,080	185.26	0.15
18.80	0.11	12,064	185.25	0.15
18.90	0.11	12,049	185.25	0.15
19.00	0.11	12,033	185.25	0.15
19.10	0.10	12,017	185.25	0.15
19.20	0.10	12,001	185.25	0.15
19.30	0.10	11,985	185.25	0.15
19.40	0.10	11,968	185.24	0.15
19.50	0.10	11,951	185.24	0.15
19.60	0.10	11,935	185.24	0.15
19.70	0.10	11,918	185.24	0.15
19.80	0.10	11,901	185.24	0.15
19.90	0.10	11,883	185.24	0.15
20.00	0.10	11,866	185.23	0.15
20.10	0.10	11,848	185.23	0.15
20.20	0.10	11,830	185.23	0.15
20.30	0.10	11,812	185.23	0.15
20.40	0.10	11,794	185.23	0.15
20.50	0.10	11,775	185.23	0.15
20.60	0.10	11,757	185.22	0.15
20.70	0.09	11,738	185.22	0.15

Hydrograph for Pond B-50: Basin #50 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.09	11,719	185.22	0.15
20.90	0.09	11,700	185.22	0.15
21.00	0.09	11,681	185.22	0.15
21.10	0.09	11,661	185.22	0.15
21.20	0.09	11,641	185.21	0.15
21.30	0.09	11,622	185.21	0.15
21.40	0.09	11,602	185.21	0.15
21.50	0.09	11,582	185.21	0.15
21.60	0.09	11,561	185.21	0.15
21.70	0.09	11,541	185.20	0.14
21.80	0.09	11,520	185.20	0.14
21.90	0.09	11,499	185.20	0.14
22.00	0.09	11,478	185.20	0.14
22.10	0.08	11,457	185.20	0.14
22.20	0.08	11,436	185.19	0.14
22.30	0.08	11,414	185.19	0.14
22.40	0.08	11,392	185.19	0.14
22.50	0.08	11,371	185.19	0.14
22.60	0.08	11,348	185.18	0.14
22.70	0.08	11,326	185.18	0.14
22.80	0.08	11,304	185.18	0.14
22.90	0.08	11,281	185.18	0.14
23.00	0.08	11,259	185.18	0.14
23.10	0.08	11,236	185.17	0.14
23.20	0.08	11,213	185.17	0.14
23.30	0.08	11,189	185.17	0.14
23.40	0.08	11,166	185.17	0.14
23.50	0.08	11,143	185.16	0.14
23.60	0.07	11,119	185.16	0.14
23.70	0.07	11,095	185.16	0.14
23.80	0.07	11,071	185.16	0.14
23.90	0.07	11,047	185.16	0.14
24.00	0.08	11,025	185.15	0.14
24.10	0.02	10,994	185.15	0.14
24.20	0.00	10,947	185.15	0.14
24.30	0.00	10,898	185.14	0.14
24.40	0.00	10,848	185.14	0.14
24.50	0.00	10,798	185.13	0.14
24.60	0.00	10,748	185.13	0.14
24.70	0.00	10,699	185.12	0.14
24.80	0.00	10,650	185.12	0.14
24.90	0.00	10,600	185.11	0.14
25.00	0.00	10,552	185.11	0.14
25.10	0.00	10,503	185.10	0.14
25.20	0.00	10,454	185.10	0.13
25.30	0.00	10,406	185.09	0.13
25.40	0.00	10,358	185.09	0.13
25.50	0.00	10,309	185.08	0.13
25.60	0.00	10,262	185.08	0.13
25.70	0.00	10,214	185.07	0.13
25.80	0.00	10,166	185.07	0.13
25.90	0.00	10,119	185.07	0.13

Hydrograph for Pond B-50: Basin #50 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	10,072	185.06	0.13
26.10	0.00	10,025	185.06	0.13
26.20	0.00	9,978	185.05	0.13
26.30	0.00	9,931	185.05	0.13
26.40	0.00	9,884	185.04	0.13
26.50	0.00	9,838	185.04	0.13
26.60	0.00	9,792	185.03	0.13
26.70	0.00	9,746	185.03	0.13
26.80	0.00	9,700	185.02	0.13
26.90	0.00	9,654	185.02	0.13
27.00	0.00	9,609	185.02	0.13
27.10	0.00	9,564	185.01	0.13
27.20	0.00	9,518	185.01	0.13
27.30	0.00	9,473	185.00	0.12
27.40	0.00	9,429	185.00	0.12
27.50	0.00	9,384	184.99	0.12
27.60	0.00	9,339	184.99	0.12
27.70	0.00	9,295	184.98	0.12
27.80	0.00	9,251	184.98	0.12
27.90	0.00	9,207	184.98	0.12
28.00	0.00	9,163	184.97	0.12
28.10	0.00	9,120	184.97	0.12
28.20	0.00	9,076	184.96	0.12
28.30	0.00	9,033	184.96	0.12
28.40	0.00	8,990	184.95	0.12
28.50	0.00	8,947	184.95	0.12
28.60	0.00	8,904	184.95	0.12
28.70	0.00	8,862	184.94	0.12
28.80	0.00	8,819	184.94	0.12
28.90	0.00	8,777	184.93	0.12
29.00	0.00	8,735	184.93	0.12
29.10	0.00	8,693	184.92	0.12
29.20	0.00	8,652	184.92	0.12
29.30	0.00	8,610	184.92	0.12
29.40	0.00	8,569	184.91	0.11
29.50	0.00	8,528	184.91	0.11
29.60	0.00	8,487	184.90	0.11
29.70	0.00	8,446	184.90	0.11
29.80	0.00	8,405	184.90	0.11
29.90	0.00	8,365	184.89	0.11
30.00	0.00	8,324	184.89	0.11
30.10	0.00	8,284	184.88	0.11
30.20	0.00	8,244	184.88	0.11
30.30	0.00	8,205	184.88	0.11
30.40	0.00	8,165	184.87	0.11
30.50	0.00	8,126	184.87	0.11
30.60	0.00	8,086	184.86	0.11
30.70	0.00	8,047	184.86	0.11
30.80	0.00	8,008	184.86	0.11
30.90	0.00	7,970	184.85	0.11
31.00	0.00	7,931	184.85	0.11
31.10	0.00	7,893	184.84	0.11

Hydrograph for Pond B-50: Basin #50 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	7,855	184.84	0.11
31.30	0.00	7,817	184.84	0.11
31.40	0.00	7,779	184.83	0.10
31.50	0.00	7,741	184.83	0.10
31.60	0.00	7,704	184.82	0.10
31.70	0.00	7,667	184.82	0.10
31.80	0.00	7,629	184.82	0.10
31.90	0.00	7,592	184.81	0.10
32.00	0.00	7,556	184.81	0.10
32.10	0.00	7,519	184.81	0.10
32.20	0.00	7,483	184.80	0.10
32.30	0.00	7,446	184.80	0.10
32.40	0.00	7,410	184.79	0.10
32.50	0.00	7,375	184.79	0.10
32.60	0.00	7,339	184.79	0.10
32.70	0.00	7,303	184.78	0.10
32.80	0.00	7,268	184.78	0.10
32.90	0.00	7,233	184.78	0.10
33.00	0.00	7,198	184.77	0.10
33.10	0.00	7,163	184.77	0.10
33.20	0.00	7,128	184.77	0.10
33.30	0.00	7,094	184.76	0.10
33.40	0.00	7,060	184.76	0.09
33.50	0.00	7,026	184.76	0.09
33.60	0.00	6,992	184.75	0.09
33.70	0.00	6,958	184.75	0.09
33.80	0.00	6,924	184.75	0.09
33.90	0.00	6,891	184.74	0.09
34.00	0.00	6,858	184.74	0.09
34.10	0.00	6,825	184.74	0.09
34.20	0.00	6,792	184.73	0.09
34.30	0.00	6,759	184.73	0.09
34.40	0.00	6,727	184.73	0.09
34.50	0.00	6,694	184.72	0.09
34.60	0.00	6,662	184.72	0.09
34.70	0.00	6,630	184.72	0.09
34.80	0.00	6,599	184.71	0.09
34.90	0.00	6,567	184.71	0.09
35.00	0.00	6,536	184.71	0.09
35.10	0.00	6,504	184.70	0.09
35.20	0.00	6,473	184.70	0.09
35.30	0.00	6,442	184.70	0.09
35.40	0.00	6,412	184.69	0.08
35.50	0.00	6,381	184.69	0.08
35.60	0.00	6,351	184.69	0.08
35.70	0.00	6,321	184.68	0.08
35.80	0.00	6,291	184.68	0.08
35.90	0.00	6,261	184.68	0.08
36.00	0.00	6,231	184.67	0.08
36.10	0.00	6,202	184.67	0.08
36.20	0.00	6,173	184.67	0.08
36.30	0.00	6,144	184.66	0.08

Hydrograph for Pond B-50: Basin #50 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	6,115	184.66	0.08
36.50	0.00	6,086	184.66	0.08
36.60	0.00	6,058	184.66	0.08
36.70	0.00	6,029	184.65	0.08
36.80	0.00	6,001	184.65	0.08
36.90	0.00	5,973	184.65	0.08
37.00	0.00	5,945	184.64	0.08
37.10	0.00	5,918	184.64	0.08
37.20	0.00	5,890	184.64	0.08
37.30	0.00	5,863	184.64	0.08
37.40	0.00	5,836	184.63	0.08
37.50	0.00	5,809	184.63	0.07
37.60	0.00	5,782	184.63	0.07
37.70	0.00	5,756	184.62	0.07
37.80	0.00	5,729	184.62	0.07
37.90	0.00	5,703	184.62	0.07
38.00	0.00	5,677	184.62	0.07
38.10	0.00	5,651	184.61	0.07
38.20	0.00	5,626	184.61	0.07
38.30	0.00	5,600	184.61	0.07
38.40	0.00	5,575	184.61	0.07
38.50	0.00	5,550	184.60	0.07
38.60	0.00	5,525	184.60	0.07
38.70	0.00	5,501	184.60	0.07
38.80	0.00	5,476	184.60	0.07
38.90	0.00	5,452	184.59	0.07
39.00	0.00	5,427	184.59	0.07
39.10	0.00	5,403	184.59	0.07
39.20	0.00	5,380	184.59	0.07
39.30	0.00	5,356	184.58	0.07
39.40	0.00	5,333	184.58	0.06
39.50	0.00	5,309	184.58	0.06
39.60	0.00	5,286	184.58	0.06
39.70	0.00	5,263	184.57	0.06
39.80	0.00	5,241	184.57	0.06
39.90	0.00	5,218	184.57	0.06
40.00	0.00	5,196	184.57	0.06

Stage-Discharge for Pond B-50: Basin #50

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
184.00	0.00	184.52	0.05	185.04	0.13	185.56	0.17
184.01	0.00	184.53	0.05	185.05	0.13	185.57	0.18
184.02	0.00	184.54	0.06	185.06	0.13	185.58	0.18
184.03	0.00	184.55	0.06	185.07	0.13	185.59	0.18
184.04	0.00	184.56	0.06	185.08	0.13	185.60	0.18
184.05	0.00	184.57	0.06	185.09	0.13	185.61	0.18
184.06	0.00	184.58	0.06	185.10	0.13	185.62	0.18
184.07	0.00	184.59	0.07	185.11	0.14	185.63	0.18
184.08	0.00	184.60	0.07	185.12	0.14	185.64	0.18
184.09	0.00	184.61	0.07	185.13	0.14	185.65	0.18
184.10	0.00	184.62	0.07	185.14	0.14	185.66	0.18
184.11	0.00	184.63	0.07	185.15	0.14	185.67	0.18
184.12	0.00	184.64	0.08	185.16	0.14	185.68	0.18
184.13	0.00	184.65	0.08	185.17	0.14	185.69	0.18
184.14	0.00	184.66	0.08	185.18	0.14	185.70	0.19
184.15	0.00	184.67	0.08	185.19	0.14	185.71	0.19
184.16	0.00	184.68	0.08	185.20	0.14	185.72	0.19
184.17	0.00	184.69	0.08	185.21	0.15	185.73	0.19
184.18	0.00	184.70	0.09	185.22	0.15	185.74	0.19
184.19	0.00	184.71	0.09	185.23	0.15	185.75	0.19
184.20	0.00	184.72	0.09	185.24	0.15	185.76	0.19
184.21	0.00	184.73	0.09	185.25	0.15	185.77	0.19
184.22	0.00	184.74	0.09	185.26	0.15	185.78	0.19
184.23	0.00	184.75	0.09	185.27	0.15	185.79	0.19
184.24	0.00	184.76	0.10	185.28	0.15	185.80	0.19
184.25	0.00	184.77	0.10	185.29	0.15	185.81	0.19
184.26	0.00	184.78	0.10	185.30	0.15	185.82	0.19
184.27	0.00	184.79	0.10	185.31	0.15	185.83	0.19
184.28	0.00	184.80	0.10	185.32	0.16	185.84	0.20
184.29	0.00	184.81	0.10	185.33	0.16	185.85	0.20
184.30	0.00	184.82	0.10	185.34	0.16	185.86	0.20
184.31	0.00	184.83	0.10	185.35	0.16	185.87	0.20
184.32	0.00	184.84	0.11	185.36	0.16	185.88	0.20
184.33	0.00	184.85	0.11	185.37	0.16	185.89	0.20
184.34	0.00	184.86	0.11	185.38	0.16	185.90	0.20
184.35	0.00	184.87	0.11	185.39	0.16	185.91	0.20
184.36	0.00	184.88	0.11	185.40	0.16	185.92	0.20
184.37	0.00	184.89	0.11	185.41	0.16	185.93	0.20
184.38	0.01	184.90	0.11	185.42	0.16	185.94	0.20
184.39	0.01	184.91	0.11	185.43	0.16	185.95	0.20
184.40	0.01	184.92	0.12	185.44	0.17	185.96	0.20
184.41	0.01	184.93	0.12	185.45	0.17	185.97	0.20
184.42	0.02	184.94	0.12	185.46	0.17	185.98	0.20
184.43	0.02	184.95	0.12	185.47	0.17	185.99	0.21
184.44	0.02	184.96	0.12	185.48	0.17	186.00	0.21
184.45	0.03	184.97	0.12	185.49	0.17	186.01	0.21
184.46	0.03	184.98	0.12	185.50	0.17	186.02	0.21
184.47	0.03	184.99	0.12	185.51	0.17	186.03	0.21
184.48	0.04	185.00	0.12	185.52	0.17	186.04	0.21
184.49	0.04	185.01	0.13	185.53	0.17	186.05	0.21
184.50	0.05	185.02	0.13	185.54	0.17	186.06	0.21
184.51	0.05	185.03	0.13	185.55	0.17	186.07	0.21

Stage-Discharge for Pond B-50: Basin #50 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
186.08	0.21	186.60	0.24	187.12	0.27	187.64	0.97
186.09	0.21	186.61	0.24	187.13	0.27	187.65	1.05
186.10	0.21	186.62	0.24	187.14	0.27	187.66	1.13
186.11	0.21	186.63	0.24	187.15	0.27	187.67	1.20
186.12	0.21	186.64	0.24	187.16	0.27	187.68	1.29
186.13	0.21	186.65	0.24	187.17	0.27	187.69	1.37
186.14	0.22	186.66	0.25	187.18	0.27	187.70	1.46
186.15	0.22	186.67	0.25	187.19	0.27	187.71	1.54
186.16	0.22	186.68	0.25	187.20	0.27	187.72	1.63
186.17	0.22	186.69	0.25	187.21	0.27	187.73	1.72
186.18	0.22	186.70	0.25	187.22	0.27	187.74	1.82
186.19	0.22	186.71	0.25	187.23	0.27	187.75	1.91
186.20	0.22	186.72	0.25	187.24	0.28	187.76	2.01
186.21	0.22	186.73	0.25	187.25	0.28	187.77	2.11
186.22	0.22	186.74	0.25	187.26	0.28	187.78	2.21
186.23	0.22	186.75	0.25	187.27	0.28	187.79	2.31
186.24	0.22	186.76	0.25	187.28	0.28	187.80	2.42
186.25	0.22	186.77	0.25	187.29	0.28	187.81	2.52
186.26	0.22	186.78	0.25	187.30	0.28	187.82	2.63
186.27	0.22	186.79	0.25	187.31	0.28	187.83	2.74
186.28	0.22	186.80	0.25	187.32	0.28	187.84	2.85
186.29	0.22	186.81	0.25	187.33	0.28	187.85	2.96
186.30	0.22	186.82	0.25	187.34	0.28	187.86	3.08
186.31	0.23	186.83	0.25	187.35	0.28	187.87	3.19
186.32	0.23	186.84	0.26	187.36	0.28	187.88	3.31
186.33	0.23	186.85	0.26	187.37	0.28	187.89	3.43
186.34	0.23	186.86	0.26	187.38	0.28	187.90	3.55
186.35	0.23	186.87	0.26	187.39	0.28	187.91	3.67
186.36	0.23	186.88	0.26	187.40	0.28	187.92	3.79
186.37	0.23	186.89	0.26	187.41	0.28	187.93	3.92
186.38	0.23	186.90	0.26	187.42	0.28	187.94	4.04
186.39	0.23	186.91	0.26	187.43	0.28	187.95	4.17
186.40	0.23	186.92	0.26	187.44	0.29	187.96	4.30
186.41	0.23	186.93	0.26	187.45	0.29	187.97	4.42
186.42	0.23	186.94	0.26	187.46	0.29	187.98	4.55
186.43	0.23	186.95	0.26	187.47	0.29	187.99	4.69
186.44	0.23	186.96	0.26	187.48	0.29	188.00	4.82
186.45	0.23	186.97	0.26	187.49	0.29	188.01	4.95
186.46	0.23	186.98	0.26	187.50	0.29	188.02	5.09
186.47	0.23	186.99	0.26	187.51	0.30	188.03	5.22
186.48	0.24	187.00	0.26	187.52	0.33	188.04	5.36
186.49	0.24	187.01	0.26	187.53	0.36	188.05	5.50
186.50	0.24	187.02	0.26	187.54	0.39	188.06	5.64
186.51	0.24	187.03	0.26	187.55	0.44	188.07	5.78
186.52	0.24	187.04	0.27	187.56	0.48	188.08	5.92
186.53	0.24	187.05	0.27	187.57	0.53	188.09	6.07
186.54	0.24	187.06	0.27	187.58	0.59	188.10	6.21
186.55	0.24	187.07	0.27	187.59	0.64	188.11	6.36
186.56	0.24	187.08	0.27	187.60	0.70	188.12	6.50
186.57	0.24	187.09	0.27	187.61	0.77	188.13	6.65
186.58	0.24	187.10	0.27	187.62	0.83	188.14	6.80
186.59	0.24	187.11	0.27	187.63	0.90	188.15	6.95

Stage-Discharge for Pond B-50: Basin #50 (continued)

Elevation (feet)	Primary (cfs)
188.16	7.10
188.17	7.25
188.18	7.40
188.19	7.56
188.20	7.71
188.21	7.87
188.22	8.02
188.23	8.18
188.24	8.34
188.25	8.50
188.26	8.66
188.27	8.82
188.28	8.98
188.29	9.14
188.30	9.31
188.31	9.47
188.32	9.64
188.33	9.80
188.34	9.97
188.35	10.14
188.36	10.31
188.37	10.48
188.38	10.65
188.39	10.82
188.40	10.99
188.41	11.17
188.42	11.34
188.43	11.51
188.44	11.69
188.45	11.87
188.46	12.11
188.47	12.42
188.48	12.76
188.49	13.14
188.50	**13.55**

Stage-Area-Storage for Pond B-50: Basin #50

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
184.00	8,805	0	184.52	9,483	4,755
184.01	8,818	88	184.53	9,496	4,850
184.02	8,831	176	184.54	9,509	4,945
184.03	8,844	265	184.55	9,522	5,040
184.04	8,857	353	184.56	9,535	5,135
184.05	8,870	442	184.57	9,548	5,231
184.06	8,883	531	184.58	9,561	5,326
184.07	8,896	620	184.59	9,574	5,422
184.08	8,909	709	184.60	9,587	5,518
184.09	8,922	798	184.61	9,600	5,613
184.10	8,935	887	184.62	9,613	5,710
184.11	8,948	976	184.63	9,626	5,806
184.12	8,961	1,066	184.64	9,639	5,902
184.13	8,974	1,156	184.65	9,652	5,999
184.14	8,987	1,245	184.66	9,665	6,095
184.15	9,000	1,335	184.67	9,678	6,192
184.16	9,013	1,425	184.68	9,691	6,289
184.17	9,027	1,516	184.69	9,704	6,386
184.18	9,040	1,606	184.70	9,717	6,483
184.19	9,053	1,696	184.71	9,730	6,580
184.20	9,066	1,787	184.72	9,743	6,677
184.21	9,079	1,878	184.73	9,756	6,775
184.22	9,092	1,969	184.74	9,769	6,872
184.23	9,105	2,060	184.75	9,782	6,970
184.24	9,118	2,151	184.76	9,795	7,068
184.25	9,131	2,242	184.77	9,808	7,166
184.26	9,144	2,333	184.78	9,821	7,264
184.27	9,157	2,425	184.79	9,834	7,363
184.28	9,170	2,516	184.80	9,847	7,461
184.29	9,183	2,608	184.81	9,860	7,559
184.30	9,196	2,700	184.82	9,873	7,658
184.31	9,209	2,792	184.83	9,886	7,757
184.32	9,222	2,884	184.84	9,900	7,856
184.33	9,235	2,977	184.85	9,913	7,955
184.34	9,248	3,069	184.86	9,926	8,054
184.35	9,261	3,162	184.87	9,939	8,153
184.36	9,274	3,254	184.88	9,952	8,253
184.37	9,287	3,347	184.89	9,965	8,353
184.38	9,300	3,440	184.90	9,978	8,452
184.39	9,313	3,533	184.91	9,991	8,552
184.40	9,326	3,626	184.92	10,004	8,652
184.41	9,339	3,720	184.93	10,017	8,752
184.42	9,352	3,813	184.94	10,030	8,852
184.43	9,365	3,907	184.95	10,043	8,953
184.44	9,378	4,000	184.96	10,056	9,053
184.45	9,391	4,094	184.97	10,069	9,154
184.46	9,404	4,188	184.98	10,082	9,255
184.47	9,417	4,282	184.99	10,095	9,355
184.48	9,430	4,377	185.00	10,108	9,457
184.49	9,443	4,471	185.01	10,121	9,558
184.50	9,457	4,565	185.02	10,135	9,659
184.51	9,470	4,660	185.03	10,148	9,760

Stage-Area-Storage for Pond B-50: Basin #50 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
185.04	10,162	9,862	185.56	10,858	15,327
185.05	10,175	9,964	185.57	10,872	15,436
185.06	10,188	10,065	185.58	10,885	15,545
185.07	10,202	10,167	185.59	10,899	15,653
185.08	10,215	10,269	185.60	10,912	15,762
185.09	10,229	10,372	185.61	10,925	15,872
185.10	10,242	10,474	185.62	10,939	15,981
185.11	10,255	10,576	185.63	10,952	16,090
185.12	10,269	10,679	185.64	10,966	16,200
185.13	10,282	10,782	185.65	10,979	16,310
185.14	10,296	10,885	185.66	10,992	16,420
185.15	10,309	10,988	185.67	11,006	16,530
185.16	10,322	11,091	185.68	11,019	16,640
185.17	10,336	11,194	185.69	11,033	16,750
185.18	10,349	11,298	185.70	11,046	16,860
185.19	10,363	11,401	185.71	11,059	16,971
185.20	10,376	11,505	185.72	11,073	17,082
185.21	10,389	11,609	185.73	11,086	17,192
185.22	10,403	11,713	185.74	11,100	17,303
185.23	10,416	11,817	185.75	11,113	17,414
185.24	10,430	11,921	185.76	11,126	17,526
185.25	10,443	12,025	185.77	11,140	17,637
185.26	10,456	12,130	185.78	11,153	17,748
185.27	10,470	12,235	185.79	11,167	17,860
185.28	10,483	12,339	185.80	11,180	17,972
185.29	10,497	12,444	185.81	11,193	18,084
185.30	10,510	12,549	185.82	11,207	18,196
185.31	10,523	12,654	185.83	11,220	18,308
185.32	10,537	12,760	185.84	11,234	18,420
185.33	10,550	12,865	185.85	11,247	18,532
185.34	10,564	12,971	185.86	11,260	18,645
185.35	10,577	13,076	185.87	11,274	18,758
185.36	10,590	13,182	185.88	11,287	18,870
185.37	10,604	13,288	185.89	11,301	18,983
185.38	10,617	13,394	185.90	11,314	19,096
185.39	10,631	13,501	185.91	11,327	19,210
185.40	10,644	13,607	185.92	11,341	19,323
185.41	10,657	13,713	185.93	11,354	19,436
185.42	10,671	13,820	185.94	11,368	19,550
185.43	10,684	13,927	185.95	11,381	19,664
185.44	10,698	14,034	185.96	11,394	19,778
185.45	10,711	14,141	185.97	11,408	19,892
185.46	10,724	14,248	185.98	11,421	20,006
185.47	10,738	14,355	185.99	11,435	20,120
185.48	10,751	14,463	186.00	11,448	20,235
185.49	10,765	14,570	186.01	11,462	20,349
185.50	10,778	14,678	186.02	11,476	20,464
185.51	10,791	14,786	186.03	11,489	20,579
185.52	10,805	14,894	186.04	11,503	20,694
185.53	10,818	15,002	186.05	11,517	20,809
185.54	10,832	15,110	186.06	11,531	20,924
185.55	10,845	15,219	186.07	11,544	21,039

Stage-Area-Storage for Pond B-50: Basin #50 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
186.08	11,558	21,155	186.60	12,275	27,351
186.09	11,572	21,270	186.61	12,289	27,474
186.10	11,586	21,386	186.62	12,302	27,597
186.11	11,600	21,502	186.63	12,316	27,720
186.12	11,613	21,618	186.64	12,330	27,843
186.13	11,627	21,734	186.65	12,344	27,967
186.14	11,641	21,851	186.66	12,357	28,090
186.15	11,655	21,967	186.67	12,371	28,214
186.16	11,668	22,084	186.68	12,385	28,338
186.17	11,682	22,201	186.69	12,399	28,462
186.18	11,696	22,317	186.70	12,413	28,586
186.19	11,710	22,434	186.71	12,426	28,710
186.20	11,724	22,552	186.72	12,440	28,834
186.21	11,737	22,669	186.73	12,454	28,959
186.22	11,751	22,786	186.74	12,468	29,083
186.23	11,765	22,904	186.75	12,482	29,208
186.24	11,779	23,022	186.76	12,495	29,333
186.25	11,793	23,140	186.77	12,509	29,458
186.26	11,806	23,258	186.78	12,523	29,583
186.27	11,820	23,376	186.79	12,537	29,708
186.28	11,834	23,494	186.80	12,550	29,834
186.29	11,848	23,612	186.81	12,564	29,959
186.30	11,861	23,731	186.82	12,578	30,085
186.31	11,875	23,850	186.83	12,592	30,211
186.32	11,889	23,968	186.84	12,606	30,337
186.33	11,903	24,087	186.85	12,619	30,463
186.34	11,917	24,206	186.86	12,633	30,589
186.35	11,930	24,326	186.87	12,647	30,716
186.36	11,944	24,445	186.88	12,661	30,842
186.37	11,958	24,565	186.89	12,674	30,969
186.38	11,972	24,684	186.90	12,688	31,096
186.39	11,985	24,804	186.91	12,702	31,223
186.40	11,999	24,924	186.92	12,716	31,350
186.41	12,013	25,044	186.93	12,730	31,477
186.42	12,027	25,164	186.94	12,743	31,604
186.43	12,041	25,285	186.95	12,757	31,732
186.44	12,054	25,405	186.96	12,771	31,860
186.45	12,068	25,526	186.97	12,785	31,987
186.46	12,082	25,646	186.98	12,798	32,115
186.47	12,096	25,767	186.99	12,812	32,243
186.48	12,109	25,888	187.00	12,826	32,372
186.49	12,123	26,009	187.01	12,840	32,500
186.50	12,137	26,131	187.02	12,854	32,628
186.51	12,151	26,252	187.03	12,869	32,757
186.52	12,165	26,374	187.04	12,883	32,886
186.53	12,178	26,495	187.05	12,897	33,015
186.54	12,192	26,617	187.06	12,911	33,144
186.55	12,206	26,739	187.07	12,925	33,273
186.56	12,220	26,861	187.08	12,939	33,402
186.57	12,233	26,984	187.09	12,954	33,532
186.58	12,247	27,106	187.10	12,968	33,661
186.59	12,261	27,229	187.11	12,982	33,791

Stage-Area-Storage for Pond B-50: Basin #50 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
187.12	12,996	33,921	187.64	13,734	40,871
187.13	13,010	34,051	187.65	13,748	41,008
187.14	13,025	34,181	187.66	13,762	41,146
187.15	13,039	34,311	187.67	13,776	41,283
187.16	13,053	34,442	187.68	13,790	41,421
187.17	13,067	34,572	187.69	13,804	41,559
187.18	13,081	34,703	187.70	13,819	41,697
187.19	13,095	34,834	187.71	13,833	41,835
187.20	13,110	34,965	187.72	13,847	41,974
187.21	13,124	35,096	187.73	13,861	42,112
187.22	13,138	35,228	187.74	13,875	42,251
187.23	13,152	35,359	187.75	13,890	42,390
187.24	13,166	35,491	187.76	13,904	42,529
187.25	13,181	35,622	187.77	13,918	42,668
187.26	13,195	35,754	187.78	13,932	42,807
187.27	13,209	35,886	187.79	13,946	42,947
187.28	13,223	36,018	187.80	13,960	43,086
187.29	13,237	36,151	187.81	13,975	43,226
187.30	13,251	36,283	187.82	13,989	43,366
187.31	13,266	36,416	187.83	14,003	43,506
187.32	13,280	36,548	187.84	14,017	43,646
187.33	13,294	36,681	187.85	14,031	43,786
187.34	13,308	36,814	187.86	14,045	43,926
187.35	13,322	36,947	187.87	14,060	44,067
187.36	13,336	37,081	187.88	14,074	44,207
187.37	13,351	37,214	187.89	14,088	44,348
187.38	13,365	37,348	187.90	14,102	44,489
187.39	13,379	37,481	187.91	14,116	44,630
187.40	13,393	37,615	187.92	14,131	44,772
187.41	13,407	37,749	187.93	14,145	44,913
187.42	13,422	37,883	187.94	14,159	45,054
187.43	13,436	38,018	187.95	14,173	45,196
187.44	13,450	38,152	187.96	14,187	45,338
187.45	13,464	38,287	187.97	14,201	45,480
187.46	13,478	38,421	187.98	14,216	45,622
187.47	13,492	38,556	187.99	14,230	45,764
187.48	13,507	38,691	188.00	14,244	45,907
187.49	13,521	38,826	188.01	14,258	46,049
187.50	13,535	38,962	188.02	14,273	46,192
187.51	13,549	39,097	188.03	14,287	46,334
187.52	13,563	39,233	188.04	14,302	46,477
187.53	13,578	39,368	188.05	14,316	46,621
187.54	13,592	39,504	188.06	14,331	46,764
187.55	13,606	39,640	188.07	14,345	46,907
187.56	13,620	39,776	188.08	14,360	47,051
187.57	13,634	39,913	188.09	14,374	47,194
187.58	13,648	40,049	188.10	14,388	47,338
187.59	13,663	40,186	188.11	14,403	47,482
187.60	13,677	40,322	188.12	14,417	47,626
187.61	13,691	40,459	188.13	14,432	47,770
187.62	13,705	40,596	188.14	14,446	47,915
187.63	13,719	40,733	188.15	14,461	48,059

Stage-Area-Storage for Pond B-50: Basin #50 (continued)

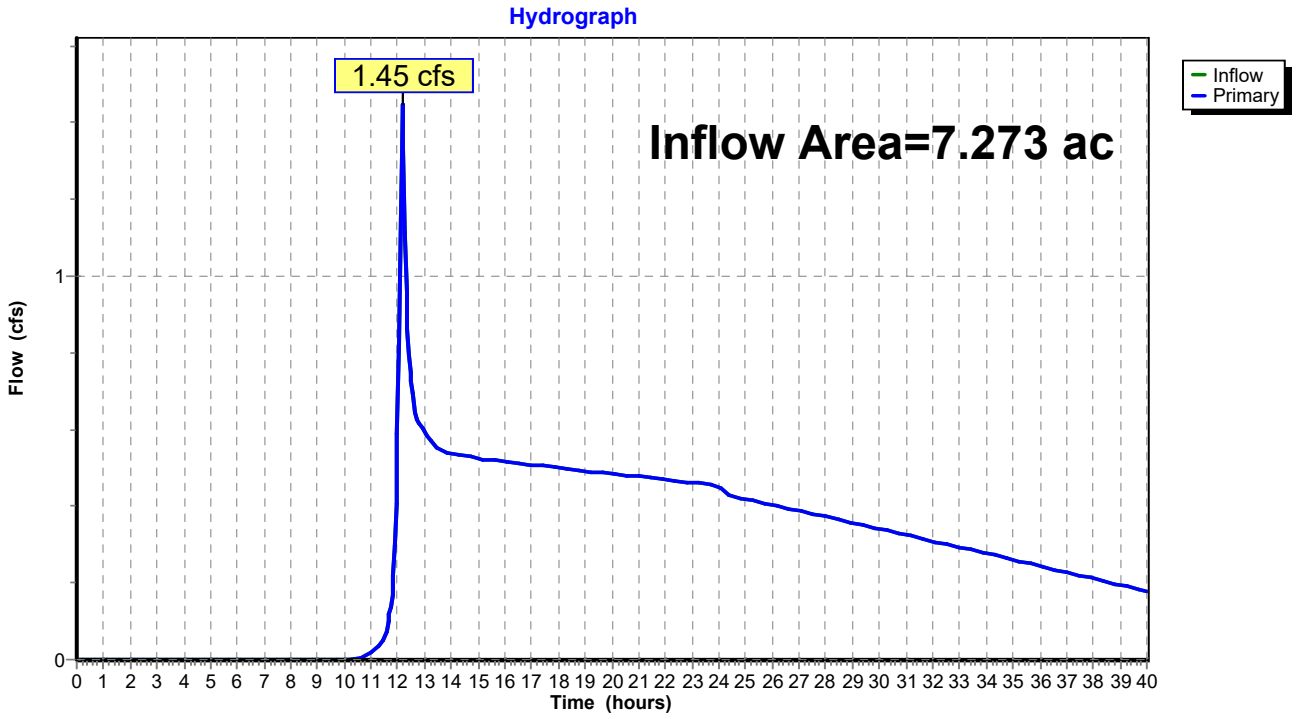
Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
188.16	14,475	48,204
188.17	14,489	48,349
188.18	14,504	48,494
188.19	14,518	48,639
188.20	14,533	48,784
188.21	14,547	48,930
188.22	14,562	49,075
188.23	14,576	49,221
188.24	14,591	49,367
188.25	14,605	49,513
188.26	14,619	49,659
188.27	14,634	49,805
188.28	14,648	49,951
188.29	14,663	50,098
188.30	14,677	50,245
188.31	14,692	50,392
188.32	14,706	50,539
188.33	14,721	50,686
188.34	14,735	50,833
188.35	14,749	50,980
188.36	14,764	51,128
188.37	14,778	51,276
188.38	14,793	51,423
188.39	14,807	51,571
188.40	14,822	51,720
188.41	14,836	51,868
188.42	14,850	52,016
188.43	14,865	52,165
188.44	14,879	52,314
188.45	14,894	52,463
188.46	14,908	52,612
188.47	14,923	52,761
188.48	14,937	52,910
188.49	14,952	53,059
188.50	**14,966**	**53,209**

Summary for Link PDA-5: Proposed Drainage Area #5

Inflow Area = 7.273 ac, 32.33% Impervious, Inflow Depth > 1.55" for Future 2 yr event
Inflow = 1.45 cfs @ 12.16 hrs, Volume= 0.939 af
Primary = 1.45 cfs @ 12.16 hrs, Volume= 0.939 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link PDA-5: Proposed Drainage Area #5



Hydrograph for Link PDA-5: Proposed Drainage Area #5

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link PDA-5: Proposed Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.00	0.00	0.00
7.40	0.00	0.00	0.00	10.00	0.00	0.00	0.00
7.45	0.00	0.00	0.00	10.05	0.00	0.00	0.00
7.50	0.00	0.00	0.00	10.10	0.00	0.00	0.00
7.55	0.00	0.00	0.00	10.15	0.00	0.00	0.00
7.60	0.00	0.00	0.00	10.20	0.00	0.00	0.00
7.65	0.00	0.00	0.00	10.25	0.00	0.00	0.00
7.70	0.00	0.00	0.00	10.30	0.00	0.00	0.00
7.75	0.00	0.00	0.00	10.35	0.00	0.00	0.00

Hydrograph for Link PDA-5: Proposed Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.00	0.00	0.00	13.00	0.59	0.00	0.59
10.45	0.00	0.00	0.00	13.05	0.59	0.00	0.59
10.50	0.00	0.00	0.00	13.10	0.58	0.00	0.58
10.55	0.01	0.00	0.01	13.15	0.57	0.00	0.57
10.60	0.01	0.00	0.01	13.20	0.57	0.00	0.57
10.65	0.01	0.00	0.01	13.25	0.57	0.00	0.57
10.70	0.01	0.00	0.01	13.30	0.56	0.00	0.56
10.75	0.01	0.00	0.01	13.35	0.56	0.00	0.56
10.80	0.01	0.00	0.01	13.40	0.56	0.00	0.56
10.85	0.01	0.00	0.01	13.45	0.56	0.00	0.56
10.90	0.01	0.00	0.01	13.50	0.55	0.00	0.55
10.95	0.02	0.00	0.02	13.55	0.55	0.00	0.55
11.00	0.02	0.00	0.02	13.60	0.55	0.00	0.55
11.05	0.02	0.00	0.02	13.65	0.54	0.00	0.54
11.10	0.02	0.00	0.02	13.70	0.54	0.00	0.54
11.15	0.03	0.00	0.03	13.75	0.54	0.00	0.54
11.20	0.03	0.00	0.03	13.80	0.54	0.00	0.54
11.25	0.03	0.00	0.03	13.85	0.54	0.00	0.54
11.30	0.04	0.00	0.04	13.90	0.54	0.00	0.54
11.35	0.04	0.00	0.04	13.95	0.54	0.00	0.54
11.40	0.05	0.00	0.05	14.00	0.54	0.00	0.54
11.45	0.05	0.00	0.05	14.05	0.54	0.00	0.54
11.50	0.06	0.00	0.06	14.10	0.54	0.00	0.54
11.55	0.07	0.00	0.07	14.15	0.54	0.00	0.54
11.60	0.08	0.00	0.08	14.20	0.54	0.00	0.54
11.65	0.10	0.00	0.10	14.25	0.54	0.00	0.54
11.70	0.12	0.00	0.12	14.30	0.53	0.00	0.53
11.75	0.14	0.00	0.14	14.35	0.53	0.00	0.53
11.80	0.17	0.00	0.17	14.40	0.53	0.00	0.53
11.85	0.22	0.00	0.22	14.45	0.53	0.00	0.53
11.90	0.30	0.00	0.30	14.50	0.53	0.00	0.53
11.95	0.41	0.00	0.41	14.55	0.53	0.00	0.53
12.00	0.59	0.00	0.59	14.60	0.53	0.00	0.53
12.05	0.82	0.00	0.82	14.65	0.53	0.00	0.53
12.10	1.15	0.00	1.15	14.70	0.53	0.00	0.53
12.15	**1.43**	0.00	**1.43**	14.75	0.53	0.00	0.53
12.20	1.35	0.00	1.35	14.80	0.53	0.00	0.53
12.25	1.12	0.00	1.12	14.85	0.53	0.00	0.53
12.30	0.96	0.00	0.96	14.90	0.53	0.00	0.53
12.35	0.86	0.00	0.86	14.95	0.52	0.00	0.52
12.40	0.80	0.00	0.80	15.00	0.52	0.00	0.52
12.45	0.75	0.00	0.75	15.05	0.52	0.00	0.52
12.50	0.73	0.00	0.73	15.10	0.52	0.00	0.52
12.55	0.71	0.00	0.71	15.15	0.52	0.00	0.52
12.60	0.68	0.00	0.68	15.20	0.52	0.00	0.52
12.65	0.64	0.00	0.64	15.25	0.52	0.00	0.52
12.70	0.63	0.00	0.63	15.30	0.52	0.00	0.52
12.75	0.62	0.00	0.62	15.35	0.52	0.00	0.52
12.80	0.61	0.00	0.61	15.40	0.52	0.00	0.52
12.85	0.61	0.00	0.61	15.45	0.52	0.00	0.52
12.90	0.60	0.00	0.60	15.50	0.52	0.00	0.52
12.95	0.60	0.00	0.60	15.55	0.52	0.00	0.52

Hydrograph for Link PDA-5: Proposed Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	0.52	0.00	0.52	18.20	0.50	0.00	0.50
15.65	0.52	0.00	0.52	18.25	0.50	0.00	0.50
15.70	0.52	0.00	0.52	18.30	0.50	0.00	0.50
15.75	0.52	0.00	0.52	18.35	0.50	0.00	0.50
15.80	0.52	0.00	0.52	18.40	0.50	0.00	0.50
15.85	0.52	0.00	0.52	18.45	0.50	0.00	0.50
15.90	0.52	0.00	0.52	18.50	0.50	0.00	0.50
15.95	0.52	0.00	0.52	18.55	0.50	0.00	0.50
16.00	0.52	0.00	0.52	18.60	0.50	0.00	0.50
16.05	0.52	0.00	0.52	18.65	0.49	0.00	0.49
16.10	0.52	0.00	0.52	18.70	0.49	0.00	0.49
16.15	0.52	0.00	0.52	18.75	0.49	0.00	0.49
16.20	0.51	0.00	0.51	18.80	0.49	0.00	0.49
16.25	0.51	0.00	0.51	18.85	0.49	0.00	0.49
16.30	0.51	0.00	0.51	18.90	0.49	0.00	0.49
16.35	0.51	0.00	0.51	18.95	0.49	0.00	0.49
16.40	0.51	0.00	0.51	19.00	0.49	0.00	0.49
16.45	0.51	0.00	0.51	19.05	0.49	0.00	0.49
16.50	0.51	0.00	0.51	19.10	0.49	0.00	0.49
16.55	0.51	0.00	0.51	19.15	0.49	0.00	0.49
16.60	0.51	0.00	0.51	19.20	0.49	0.00	0.49
16.65	0.51	0.00	0.51	19.25	0.49	0.00	0.49
16.70	0.51	0.00	0.51	19.30	0.49	0.00	0.49
16.75	0.51	0.00	0.51	19.35	0.49	0.00	0.49
16.80	0.51	0.00	0.51	19.40	0.49	0.00	0.49
16.85	0.51	0.00	0.51	19.45	0.49	0.00	0.49
16.90	0.51	0.00	0.51	19.50	0.49	0.00	0.49
16.95	0.51	0.00	0.51	19.55	0.49	0.00	0.49
17.00	0.51	0.00	0.51	19.60	0.49	0.00	0.49
17.05	0.51	0.00	0.51	19.65	0.49	0.00	0.49
17.10	0.51	0.00	0.51	19.70	0.49	0.00	0.49
17.15	0.51	0.00	0.51	19.75	0.49	0.00	0.49
17.20	0.51	0.00	0.51	19.80	0.49	0.00	0.49
17.25	0.51	0.00	0.51	19.85	0.49	0.00	0.49
17.30	0.51	0.00	0.51	19.90	0.49	0.00	0.49
17.35	0.51	0.00	0.51	19.95	0.49	0.00	0.49
17.40	0.51	0.00	0.51	20.00	0.49	0.00	0.49
17.45	0.51	0.00	0.51	20.05	0.49	0.00	0.49
17.50	0.50	0.00	0.50	20.10	0.49	0.00	0.49
17.55	0.50	0.00	0.50	20.15	0.48	0.00	0.48
17.60	0.50	0.00	0.50	20.20	0.48	0.00	0.48
17.65	0.50	0.00	0.50	20.25	0.48	0.00	0.48
17.70	0.50	0.00	0.50	20.30	0.48	0.00	0.48
17.75	0.50	0.00	0.50	20.35	0.48	0.00	0.48
17.80	0.50	0.00	0.50	20.40	0.48	0.00	0.48
17.85	0.50	0.00	0.50	20.45	0.48	0.00	0.48
17.90	0.50	0.00	0.50	20.50	0.48	0.00	0.48
17.95	0.50	0.00	0.50	20.55	0.48	0.00	0.48
18.00	0.50	0.00	0.50	20.60	0.48	0.00	0.48
18.05	0.50	0.00	0.50	20.65	0.48	0.00	0.48
18.10	0.50	0.00	0.50	20.70	0.48	0.00	0.48
18.15	0.50	0.00	0.50	20.75	0.48	0.00	0.48

Hydrograph for Link PDA-5: Proposed Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.48	0.00	0.48	23.40	0.46	0.00	0.46
20.85	0.48	0.00	0.48	23.45	0.46	0.00	0.46
20.90	0.48	0.00	0.48	23.50	0.46	0.00	0.46
20.95	0.48	0.00	0.48	23.55	0.46	0.00	0.46
21.00	0.48	0.00	0.48	23.60	0.46	0.00	0.46
21.05	0.48	0.00	0.48	23.65	0.46	0.00	0.46
21.10	0.48	0.00	0.48	23.70	0.46	0.00	0.46
21.15	0.48	0.00	0.48	23.75	0.46	0.00	0.46
21.20	0.48	0.00	0.48	23.80	0.45	0.00	0.45
21.25	0.48	0.00	0.48	23.85	0.45	0.00	0.45
21.30	0.48	0.00	0.48	23.90	0.45	0.00	0.45
21.35	0.48	0.00	0.48	23.95	0.45	0.00	0.45
21.40	0.48	0.00	0.48	24.00	0.45	0.00	0.45
21.45	0.47	0.00	0.47	24.05	0.45	0.00	0.45
21.50	0.47	0.00	0.47	24.10	0.45	0.00	0.45
21.55	0.47	0.00	0.47	24.15	0.44	0.00	0.44
21.60	0.47	0.00	0.47	24.20	0.43	0.00	0.43
21.65	0.47	0.00	0.47	24.25	0.43	0.00	0.43
21.70	0.47	0.00	0.47	24.30	0.43	0.00	0.43
21.75	0.47	0.00	0.47	24.35	0.43	0.00	0.43
21.80	0.47	0.00	0.47	24.40	0.43	0.00	0.43
21.85	0.47	0.00	0.47	24.45	0.43	0.00	0.43
21.90	0.47	0.00	0.47	24.50	0.43	0.00	0.43
21.95	0.47	0.00	0.47	24.55	0.43	0.00	0.43
22.00	0.47	0.00	0.47	24.60	0.43	0.00	0.43
22.05	0.47	0.00	0.47	24.65	0.42	0.00	0.42
22.10	0.47	0.00	0.47	24.70	0.42	0.00	0.42
22.15	0.47	0.00	0.47	24.75	0.42	0.00	0.42
22.20	0.47	0.00	0.47	24.80	0.42	0.00	0.42
22.25	0.47	0.00	0.47	24.85	0.42	0.00	0.42
22.30	0.47	0.00	0.47	24.90	0.42	0.00	0.42
22.35	0.47	0.00	0.47	24.95	0.42	0.00	0.42
22.40	0.47	0.00	0.47	25.00	0.42	0.00	0.42
22.45	0.47	0.00	0.47	25.05	0.42	0.00	0.42
22.50	0.47	0.00	0.47	25.10	0.42	0.00	0.42
22.55	0.47	0.00	0.47	25.15	0.42	0.00	0.42
22.60	0.47	0.00	0.47	25.20	0.42	0.00	0.42
22.65	0.47	0.00	0.47	25.25	0.42	0.00	0.42
22.70	0.46	0.00	0.46	25.30	0.41	0.00	0.41
22.75	0.46	0.00	0.46	25.35	0.41	0.00	0.41
22.80	0.46	0.00	0.46	25.40	0.41	0.00	0.41
22.85	0.46	0.00	0.46	25.45	0.41	0.00	0.41
22.90	0.46	0.00	0.46	25.50	0.41	0.00	0.41
22.95	0.46	0.00	0.46	25.55	0.41	0.00	0.41
23.00	0.46	0.00	0.46	25.60	0.41	0.00	0.41
23.05	0.46	0.00	0.46	25.65	0.41	0.00	0.41
23.10	0.46	0.00	0.46	25.70	0.41	0.00	0.41
23.15	0.46	0.00	0.46	25.75	0.41	0.00	0.41
23.20	0.46	0.00	0.46	25.80	0.41	0.00	0.41
23.25	0.46	0.00	0.46	25.85	0.41	0.00	0.41
23.30	0.46	0.00	0.46	25.90	0.41	0.00	0.41
23.35	0.46	0.00	0.46	25.95	0.40	0.00	0.40

Hydrograph for Link PDA-5: Proposed Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.40	0.00	0.40	28.60	0.36	0.00	0.36
26.05	0.40	0.00	0.40	28.65	0.36	0.00	0.36
26.10	0.40	0.00	0.40	28.70	0.36	0.00	0.36
26.15	0.40	0.00	0.40	28.75	0.36	0.00	0.36
26.20	0.40	0.00	0.40	28.80	0.36	0.00	0.36
26.25	0.40	0.00	0.40	28.85	0.36	0.00	0.36
26.30	0.40	0.00	0.40	28.90	0.36	0.00	0.36
26.35	0.40	0.00	0.40	28.95	0.36	0.00	0.36
26.40	0.40	0.00	0.40	29.00	0.36	0.00	0.36
26.45	0.40	0.00	0.40	29.05	0.36	0.00	0.36
26.50	0.40	0.00	0.40	29.10	0.36	0.00	0.36
26.55	0.40	0.00	0.40	29.15	0.35	0.00	0.35
26.60	0.39	0.00	0.39	29.20	0.35	0.00	0.35
26.65	0.39	0.00	0.39	29.25	0.35	0.00	0.35
26.70	0.39	0.00	0.39	29.30	0.35	0.00	0.35
26.75	0.39	0.00	0.39	29.35	0.35	0.00	0.35
26.80	0.39	0.00	0.39	29.40	0.35	0.00	0.35
26.85	0.39	0.00	0.39	29.45	0.35	0.00	0.35
26.90	0.39	0.00	0.39	29.50	0.35	0.00	0.35
26.95	0.39	0.00	0.39	29.55	0.35	0.00	0.35
27.00	0.39	0.00	0.39	29.60	0.35	0.00	0.35
27.05	0.39	0.00	0.39	29.65	0.35	0.00	0.35
27.10	0.39	0.00	0.39	29.70	0.35	0.00	0.35
27.15	0.39	0.00	0.39	29.75	0.35	0.00	0.35
27.20	0.39	0.00	0.39	29.80	0.34	0.00	0.34
27.25	0.38	0.00	0.38	29.85	0.34	0.00	0.34
27.30	0.38	0.00	0.38	29.90	0.34	0.00	0.34
27.35	0.38	0.00	0.38	29.95	0.34	0.00	0.34
27.40	0.38	0.00	0.38	30.00	0.34	0.00	0.34
27.45	0.38	0.00	0.38	30.05	0.34	0.00	0.34
27.50	0.38	0.00	0.38	30.10	0.34	0.00	0.34
27.55	0.38	0.00	0.38	30.15	0.34	0.00	0.34
27.60	0.38	0.00	0.38	30.20	0.34	0.00	0.34
27.65	0.38	0.00	0.38	30.25	0.34	0.00	0.34
27.70	0.38	0.00	0.38	30.30	0.34	0.00	0.34
27.75	0.38	0.00	0.38	30.35	0.34	0.00	0.34
27.80	0.38	0.00	0.38	30.40	0.33	0.00	0.33
27.85	0.38	0.00	0.38	30.45	0.33	0.00	0.33
27.90	0.37	0.00	0.37	30.50	0.33	0.00	0.33
27.95	0.37	0.00	0.37	30.55	0.33	0.00	0.33
28.00	0.37	0.00	0.37	30.60	0.33	0.00	0.33
28.05	0.37	0.00	0.37	30.65	0.33	0.00	0.33
28.10	0.37	0.00	0.37	30.70	0.33	0.00	0.33
28.15	0.37	0.00	0.37	30.75	0.33	0.00	0.33
28.20	0.37	0.00	0.37	30.80	0.33	0.00	0.33
28.25	0.37	0.00	0.37	30.85	0.33	0.00	0.33
28.30	0.37	0.00	0.37	30.90	0.33	0.00	0.33
28.35	0.37	0.00	0.37	30.95	0.33	0.00	0.33
28.40	0.37	0.00	0.37	31.00	0.33	0.00	0.33
28.45	0.37	0.00	0.37	31.05	0.32	0.00	0.32
28.50	0.37	0.00	0.37	31.10	0.32	0.00	0.32
28.55	0.36	0.00	0.36	31.15	0.32	0.00	0.32

Hydrograph for Link PDA-5: Proposed Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.32	0.00	0.32	33.80	0.28	0.00	0.28
31.25	0.32	0.00	0.32	33.85	0.28	0.00	0.28
31.30	0.32	0.00	0.32	33.90	0.28	0.00	0.28
31.35	0.32	0.00	0.32	33.95	0.28	0.00	0.28
31.40	0.32	0.00	0.32	34.00	0.28	0.00	0.28
31.45	0.32	0.00	0.32	34.05	0.28	0.00	0.28
31.50	0.32	0.00	0.32	34.10	0.28	0.00	0.28
31.55	0.32	0.00	0.32	34.15	0.27	0.00	0.27
31.60	0.32	0.00	0.32	34.20	0.27	0.00	0.27
31.65	0.31	0.00	0.31	34.25	0.27	0.00	0.27
31.70	0.31	0.00	0.31	34.30	0.27	0.00	0.27
31.75	0.31	0.00	0.31	34.35	0.27	0.00	0.27
31.80	0.31	0.00	0.31	34.40	0.27	0.00	0.27
31.85	0.31	0.00	0.31	34.45	0.27	0.00	0.27
31.90	0.31	0.00	0.31	34.50	0.27	0.00	0.27
31.95	0.31	0.00	0.31	34.55	0.27	0.00	0.27
32.00	0.31	0.00	0.31	34.60	0.27	0.00	0.27
32.05	0.31	0.00	0.31	34.65	0.27	0.00	0.27
32.10	0.31	0.00	0.31	34.70	0.27	0.00	0.27
32.15	0.31	0.00	0.31	34.75	0.26	0.00	0.26
32.20	0.31	0.00	0.31	34.80	0.26	0.00	0.26
32.25	0.31	0.00	0.31	34.85	0.26	0.00	0.26
32.30	0.30	0.00	0.30	34.90	0.26	0.00	0.26
32.35	0.30	0.00	0.30	34.95	0.26	0.00	0.26
32.40	0.30	0.00	0.30	35.00	0.26	0.00	0.26
32.45	0.30	0.00	0.30	35.05	0.26	0.00	0.26
32.50	0.30	0.00	0.30	35.10	0.26	0.00	0.26
32.55	0.30	0.00	0.30	35.15	0.26	0.00	0.26
32.60	0.30	0.00	0.30	35.20	0.26	0.00	0.26
32.65	0.30	0.00	0.30	35.25	0.26	0.00	0.26
32.70	0.30	0.00	0.30	35.30	0.26	0.00	0.26
32.75	0.30	0.00	0.30	35.35	0.25	0.00	0.25
32.80	0.30	0.00	0.30	35.40	0.25	0.00	0.25
32.85	0.30	0.00	0.30	35.45	0.25	0.00	0.25
32.90	0.29	0.00	0.29	35.50	0.25	0.00	0.25
32.95	0.29	0.00	0.29	35.55	0.25	0.00	0.25
33.00	0.29	0.00	0.29	35.60	0.25	0.00	0.25
33.05	0.29	0.00	0.29	35.65	0.25	0.00	0.25
33.10	0.29	0.00	0.29	35.70	0.25	0.00	0.25
33.15	0.29	0.00	0.29	35.75	0.25	0.00	0.25
33.20	0.29	0.00	0.29	35.80	0.25	0.00	0.25
33.25	0.29	0.00	0.29	35.85	0.25	0.00	0.25
33.30	0.29	0.00	0.29	35.90	0.25	0.00	0.25
33.35	0.29	0.00	0.29	35.95	0.25	0.00	0.25
33.40	0.29	0.00	0.29	36.00	0.24	0.00	0.24
33.45	0.29	0.00	0.29	36.05	0.24	0.00	0.24
33.50	0.29	0.00	0.29	36.10	0.24	0.00	0.24
33.55	0.28	0.00	0.28	36.15	0.24	0.00	0.24
33.60	0.28	0.00	0.28	36.20	0.24	0.00	0.24
33.65	0.28	0.00	0.28	36.25	0.24	0.00	0.24
33.70	0.28	0.00	0.28	36.30	0.24	0.00	0.24
33.75	0.28	0.00	0.28	36.35	0.24	0.00	0.24

Hydrograph for Link PDA-5: Proposed Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.24	0.00	0.24
36.45	0.24	0.00	0.24
36.50	0.24	0.00	0.24
36.55	0.24	0.00	0.24
36.60	0.23	0.00	0.23
36.65	0.23	0.00	0.23
36.70	0.23	0.00	0.23
36.75	0.23	0.00	0.23
36.80	0.23	0.00	0.23
36.85	0.23	0.00	0.23
36.90	0.23	0.00	0.23
36.95	0.23	0.00	0.23
37.00	0.23	0.00	0.23
37.05	0.23	0.00	0.23
37.10	0.23	0.00	0.23
37.15	0.23	0.00	0.23
37.20	0.22	0.00	0.22
37.25	0.22	0.00	0.22
37.30	0.22	0.00	0.22
37.35	0.22	0.00	0.22
37.40	0.22	0.00	0.22
37.45	0.22	0.00	0.22
37.50	0.22	0.00	0.22
37.55	0.22	0.00	0.22
37.60	0.22	0.00	0.22
37.65	0.22	0.00	0.22
37.70	0.22	0.00	0.22
37.75	0.22	0.00	0.22
37.80	0.21	0.00	0.21
37.85	0.21	0.00	0.21
37.90	0.21	0.00	0.21
37.95	0.21	0.00	0.21
38.00	0.21	0.00	0.21
38.05	0.21	0.00	0.21
38.10	0.21	0.00	0.21
38.15	0.21	0.00	0.21
38.20	0.21	0.00	0.21
38.25	0.21	0.00	0.21
38.30	0.21	0.00	0.21
38.35	0.21	0.00	0.21
38.40	0.20	0.00	0.20
38.45	0.20	0.00	0.20
38.50	0.20	0.00	0.20
38.55	0.20	0.00	0.20
38.60	0.20	0.00	0.20
38.65	0.20	0.00	0.20
38.70	0.20	0.00	0.20
38.75	0.20	0.00	0.20
38.80	0.20	0.00	0.20
38.85	0.20	0.00	0.20
38.90	0.20	0.00	0.20
38.95	0.20	0.00	0.20
39.00	0.19	0.00	0.19
39.05	0.19	0.00	0.19
39.10	0.19	0.00	0.19
39.15	0.19	0.00	0.19
39.20	0.19	0.00	0.19
39.25	0.19	0.00	0.19
39.30	0.19	0.00	0.19
39.35	0.19	0.00	0.19
39.40	0.19	0.00	0.19
39.45	0.19	0.00	0.19
39.50	0.19	0.00	0.19
39.55	0.19	0.00	0.19
39.60	0.18	0.00	0.18
39.65	0.18	0.00	0.18
39.70	0.18	0.00	0.18
39.75	0.18	0.00	0.18
39.80	0.18	0.00	0.18
39.85	0.18	0.00	0.18
39.90	0.18	0.00	0.18
39.95	0.18	0.00	0.18
40.00	0.18	0.00	0.18

Summary for Subcatchment 48I: PDA-48 (impervious)

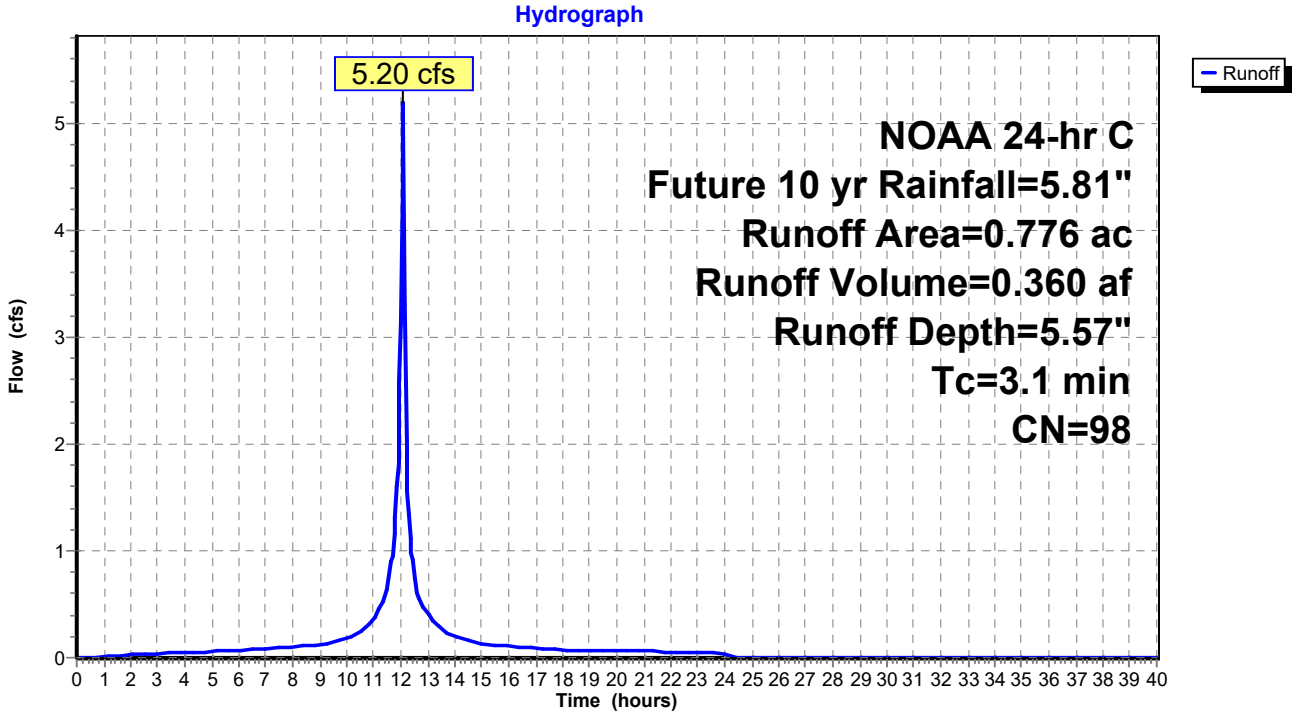
Runoff = 5.20 cfs @ 12.09 hrs, Volume= 0.360 af, Depth= 5.57"
Routed to Pond B-48 : Basin #48

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

	Area (ac)	CN	Description
*	0.235	98	Pavement, HSG C
*	0.522	98	Roof, HSG C
*	0.019	98	Concrete, HSG C
	0.776	98	Weighted Average
	0.776		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.1					**Direct Entry,**

Subcatchment 48I: PDA-48 (impervious)



Hydrograph for Subcatchment 48I: PDA-48 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.05	0.04
0.05	0.00	0.00	0.00	2.65	0.18	0.06	0.04
0.10	0.01	0.00	0.00	2.70	0.18	0.06	0.04
0.15	0.01	0.00	0.00	2.75	0.19	0.06	0.04
0.20	0.01	0.00	0.00	2.80	0.19	0.06	0.04
0.25	0.02	0.00	0.00	2.85	0.19	0.07	0.04
0.30	0.02	0.00	0.00	2.90	0.20	0.07	0.04
0.35	0.02	0.00	0.00	2.95	0.20	0.07	0.04
0.40	0.03	0.00	0.00	3.00	0.20	0.07	0.04
0.45	0.03	0.00	0.00	3.05	0.21	0.08	0.04
0.50	0.03	0.00	0.00	3.10	0.21	0.08	0.04
0.55	0.03	0.00	0.00	3.15	0.22	0.08	0.04
0.60	0.04	0.00	0.00	3.20	0.22	0.08	0.04
0.65	0.04	0.00	0.00	3.25	0.22	0.09	0.04
0.70	0.04	0.00	0.00	3.30	0.23	0.09	0.04
0.75	0.05	0.00	0.00	3.35	0.23	0.09	0.04
0.80	0.05	0.00	0.00	3.40	0.24	0.10	0.05
0.85	0.05	0.00	0.00	3.45	0.24	0.10	0.05
0.90	0.06	0.00	0.01	3.50	0.24	0.10	0.05
0.95	0.06	0.00	0.01	3.55	0.25	0.10	0.05
1.00	0.06	0.00	0.01	3.60	0.25	0.11	0.05
1.05	0.07	0.00	0.01	3.65	0.26	0.11	0.05
1.10	0.07	0.00	0.01	3.70	0.26	0.11	0.05
1.15	0.07	0.00	0.01	3.75	0.26	0.12	0.05
1.20	0.08	0.01	0.01	3.80	0.27	0.12	0.05
1.25	0.08	0.01	0.01	3.85	0.27	0.12	0.05
1.30	0.08	0.01	0.02	3.90	0.28	0.13	0.05
1.35	0.09	0.01	0.02	3.95	0.28	0.13	0.05
1.40	0.09	0.01	0.02	4.00	0.28	0.13	0.05
1.45	0.09	0.01	0.02	4.05	0.29	0.14	0.05
1.50	0.10	0.01	0.02	4.10	0.29	0.14	0.05
1.55	0.10	0.01	0.02	4.15	0.30	0.14	0.05
1.60	0.10	0.01	0.02	4.20	0.30	0.15	0.05
1.65	0.11	0.02	0.02	4.25	0.31	0.15	0.05
1.70	0.11	0.02	0.02	4.30	0.31	0.15	0.05
1.75	0.11	0.02	0.02	4.35	0.31	0.16	0.05
1.80	0.12	0.02	0.02	4.40	0.32	0.16	0.05
1.85	0.12	0.02	0.03	4.45	0.32	0.16	0.05
1.90	0.12	0.02	0.03	4.50	0.33	0.17	0.05
1.95	0.13	0.03	0.03	4.55	0.33	0.17	0.06
2.00	0.13	0.03	0.03	4.60	0.33	0.17	0.06
2.05	0.13	0.03	0.03	4.65	0.34	0.18	0.06
2.10	0.14	0.03	0.03	4.70	0.34	0.18	0.06
2.15	0.14	0.03	0.03	4.75	0.35	0.18	0.06
2.20	0.15	0.04	0.03	4.80	0.35	0.19	0.06
2.25	0.15	0.04	0.03	4.85	0.36	0.19	0.06
2.30	0.15	0.04	0.03	4.90	0.36	0.20	0.06
2.35	0.16	0.04	0.03	4.95	0.37	0.20	0.06
2.40	0.16	0.04	0.03	5.00	0.37	0.20	0.06
2.45	0.16	0.05	0.03	5.05	0.37	0.21	0.06
2.50	0.17	0.05	0.03	5.10	0.38	0.21	0.06
2.55	0.17	0.05	0.04	5.15	0.38	0.21	0.06

Hydrograph for Subcatchment 48I: PDA-48 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.22	0.06	7.80	0.67	0.47	0.10
5.25	0.39	0.22	0.06	7.85	0.68	0.48	0.10
5.30	0.40	0.23	0.06	7.90	0.68	0.49	0.10
5.35	0.40	0.23	0.06	7.95	0.69	0.49	0.10
5.40	0.41	0.23	0.06	8.00	0.70	0.50	0.10
5.45	0.41	0.24	0.06	8.05	0.70	0.51	0.10
5.50	0.41	0.24	0.06	8.10	0.71	0.51	0.10
5.55	0.42	0.25	0.06	8.15	0.72	0.52	0.11
5.60	0.42	0.25	0.06	8.20	0.72	0.53	0.11
5.65	0.43	0.25	0.06	8.25	0.73	0.53	0.11
5.70	0.43	0.26	0.06	8.30	0.74	0.54	0.11
5.75	0.44	0.26	0.06	8.35	0.75	0.55	0.11
5.80	0.44	0.27	0.06	8.40	0.75	0.55	0.11
5.85	0.45	0.27	0.06	8.45	0.76	0.56	0.11
5.90	0.45	0.27	0.06	8.50	0.77	0.57	0.11
5.95	0.46	0.28	0.06	8.55	0.78	0.58	0.11
6.00	0.46	0.28	0.07	8.60	0.78	0.58	0.11
6.05	0.47	0.29	0.07	8.65	0.79	0.59	0.12
6.10	0.47	0.29	0.07	8.70	0.80	0.60	0.12
6.15	0.47	0.30	0.07	8.75	0.81	0.61	0.12
6.20	0.48	0.30	0.07	8.80	0.82	0.61	0.12
6.25	0.48	0.30	0.07	8.85	0.82	0.62	0.12
6.30	0.49	0.31	0.07	8.90	0.83	0.63	0.12
6.35	0.50	0.31	0.07	8.95	0.84	0.64	0.12
6.40	0.50	0.32	0.07	9.00	0.85	0.64	0.12
6.45	0.51	0.32	0.07	9.05	0.86	0.65	0.13
6.50	0.51	0.33	0.07	9.10	0.87	0.66	0.13
6.55	0.52	0.33	0.08	9.15	0.87	0.67	0.13
6.60	0.52	0.34	0.08	9.20	0.88	0.68	0.14
6.65	0.53	0.34	0.08	9.25	0.89	0.69	0.14
6.70	0.53	0.35	0.08	9.30	0.90	0.70	0.14
6.75	0.54	0.35	0.08	9.35	0.91	0.71	0.15
6.80	0.54	0.36	0.08	9.40	0.92	0.72	0.15
6.85	0.55	0.36	0.08	9.45	0.93	0.73	0.15
6.90	0.56	0.37	0.08	9.50	0.94	0.74	0.16
6.95	0.56	0.37	0.08	9.55	0.95	0.75	0.16
7.00	0.57	0.38	0.08	9.60	0.96	0.76	0.16
7.05	0.57	0.38	0.09	9.65	0.98	0.77	0.17
7.10	0.58	0.39	0.09	9.70	0.99	0.78	0.17
7.15	0.58	0.40	0.09	9.75	1.00	0.79	0.17
7.20	0.59	0.40	0.09	9.80	1.01	0.80	0.18
7.25	0.60	0.41	0.09	9.85	1.02	0.81	0.18
7.30	0.60	0.41	0.09	9.90	1.03	0.82	0.18
7.35	0.61	0.42	0.09	9.95	1.05	0.84	0.19
7.40	0.62	0.42	0.09	10.00	1.06	0.85	0.19
7.45	0.62	0.43	0.09	10.05	1.07	0.86	0.19
7.50	0.63	0.44	0.09	10.10	1.09	0.87	0.20
7.55	0.64	0.44	0.09	10.15	1.10	0.89	0.20
7.60	0.64	0.45	0.10	10.20	1.11	0.90	0.20
7.65	0.65	0.45	0.10	10.25	1.13	0.91	0.21
7.70	0.65	0.46	0.10	10.30	1.14	0.93	0.21
7.75	0.66	0.47	0.10	10.35	1.15	0.94	0.21

Hydrograph for Subcatchment 48I: PDA-48 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.95	0.22	13.00	4.42	4.18	0.41
10.45	1.18	0.97	0.22	13.05	4.44	4.20	0.38
10.50	1.20	0.98	0.22	13.10	4.46	4.23	0.36
10.55	1.21	1.00	0.24	13.15	4.48	4.25	0.34
10.60	1.23	1.02	0.25	13.20	4.50	4.27	0.33
10.65	1.25	1.03	0.26	13.25	4.52	4.29	0.32
10.70	1.27	1.05	0.28	13.30	4.54	4.31	0.31
10.75	1.29	1.07	0.29	13.35	4.56	4.33	0.29
10.80	1.31	1.09	0.30	13.40	4.58	4.34	0.28
10.85	1.33	1.11	0.32	13.45	4.60	4.36	0.27
10.90	1.35	1.13	0.33	13.50	4.61	4.38	0.26
10.95	1.37	1.15	0.34	13.55	4.63	4.39	0.24
11.00	1.39	1.18	0.35	13.60	4.64	4.41	0.23
11.05	1.42	1.20	0.38	13.65	4.66	4.42	0.23
11.10	1.45	1.23	0.40	13.70	4.67	4.43	0.22
11.15	1.48	1.26	0.43	13.75	4.68	4.45	0.22
11.20	1.51	1.29	0.45	13.80	4.70	4.46	0.22
11.25	1.54	1.32	0.48	13.85	4.71	4.48	0.21
11.30	1.57	1.35	0.50	13.90	4.72	4.49	0.21
11.35	1.61	1.38	0.53	13.95	4.74	4.50	0.21
11.40	1.64	1.42	0.55	14.00	4.75	4.51	0.20
11.45	1.68	1.46	0.57	14.05	4.76	4.53	0.20
11.50	1.72	1.49	0.59	14.10	4.78	4.54	0.20
11.55	1.78	1.55	0.77	14.15	4.79	4.55	0.19
11.60	1.83	1.61	0.90	14.20	4.80	4.56	0.19
11.65	1.90	1.67	0.94	14.25	4.81	4.57	0.18
11.70	1.96	1.73	0.96	14.30	4.82	4.59	0.18
11.75	2.04	1.82	1.16	14.35	4.83	4.60	0.18
11.80	2.13	1.90	1.31	14.40	4.85	4.61	0.17
11.85	2.25	2.02	1.61	14.45	4.86	4.62	0.17
11.90	2.36	2.13	1.83	14.50	4.87	4.63	0.17
11.95	2.57	2.34	2.59	14.55	4.88	4.64	0.16
12.00	2.77	2.54	3.13	14.60	4.89	4.65	0.16
12.05	3.11	2.88	4.37	14.65	4.90	4.66	0.16
12.10	3.45	3.21	**5.14**	14.70	4.91	4.67	0.15
12.15	3.56	3.33	3.30	14.75	4.92	4.68	0.15
12.20	3.68	3.45	1.98	14.80	4.93	4.69	0.15
12.25	3.77	3.53	1.55	14.85	4.94	4.70	0.14
12.30	3.85	3.62	1.34	14.90	4.94	4.71	0.14
12.35	3.91	3.68	1.12	14.95	4.95	4.72	0.14
12.40	3.98	3.74	0.98	15.00	4.96	4.72	0.13
12.45	4.03	3.80	0.94	15.05	4.97	4.73	0.13
12.50	4.09	3.86	0.91	15.10	4.98	4.74	0.13
12.55	4.13	3.90	0.73	15.15	4.99	4.75	0.13
12.60	4.17	3.93	0.61	15.20	4.99	4.76	0.13
12.65	4.20	3.97	0.57	15.25	5.00	4.76	0.12
12.70	4.24	4.00	0.56	15.30	5.01	4.77	0.12
12.75	4.27	4.04	0.53	15.35	5.02	4.78	0.12
12.80	4.30	4.07	0.51	15.40	5.03	4.79	0.12
12.85	4.33	4.10	0.48	15.45	5.03	4.80	0.12
12.90	4.36	4.13	0.46	15.50	5.04	4.80	0.12
12.95	4.39	4.15	0.43	15.55	5.05	4.81	0.12

Hydrograph for Subcatchment 48I: PDA-48 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	4.82	0.12	18.20	5.37	5.13	0.07
15.65	5.06	4.83	0.12	18.25	5.37	5.14	0.07
15.70	5.07	4.83	0.12	18.30	5.38	5.14	0.07
15.75	5.08	4.84	0.12	18.35	5.38	5.14	0.07
15.80	5.09	4.85	0.11	18.40	5.39	5.15	0.07
15.85	5.09	4.86	0.11	18.45	5.39	5.15	0.07
15.90	5.10	4.86	0.11	18.50	5.40	5.16	0.07
15.95	5.11	4.87	0.11	18.55	5.40	5.16	0.07
16.00	5.11	4.88	0.11	18.60	5.40	5.17	0.07
16.05	5.12	4.88	0.11	18.65	5.41	5.17	0.07
16.10	5.13	4.89	0.11	18.70	5.41	5.18	0.07
16.15	5.13	4.90	0.11	18.75	5.42	5.18	0.07
16.20	5.14	4.90	0.11	18.80	5.42	5.19	0.07
16.25	5.15	4.91	0.11	18.85	5.43	5.19	0.07
16.30	5.16	4.92	0.11	18.90	5.43	5.19	0.07
16.35	5.16	4.92	0.10	18.95	5.44	5.20	0.07
16.40	5.17	4.93	0.10	19.00	5.44	5.20	0.07
16.45	5.17	4.94	0.10	19.05	5.44	5.21	0.07
16.50	5.18	4.94	0.10	19.10	5.45	5.21	0.07
16.55	5.19	4.95	0.10	19.15	5.45	5.22	0.07
16.60	5.19	4.96	0.10	19.20	5.46	5.22	0.07
16.65	5.20	4.96	0.10	19.25	5.46	5.22	0.07
16.70	5.21	4.97	0.10	19.30	5.47	5.23	0.07
16.75	5.21	4.98	0.10	19.35	5.47	5.23	0.07
16.80	5.22	4.98	0.10	19.40	5.48	5.24	0.07
16.85	5.23	4.99	0.10	19.45	5.48	5.24	0.07
16.90	5.23	4.99	0.09	19.50	5.48	5.25	0.07
16.95	5.24	5.00	0.09	19.55	5.49	5.25	0.07
17.00	5.24	5.01	0.09	19.60	5.49	5.25	0.07
17.05	5.25	5.01	0.09	19.65	5.50	5.26	0.07
17.10	5.25	5.02	0.09	19.70	5.50	5.26	0.07
17.15	5.26	5.02	0.09	19.75	5.50	5.27	0.07
17.20	5.27	5.03	0.09	19.80	5.51	5.27	0.07
17.25	5.27	5.03	0.09	19.85	5.51	5.28	0.07
17.30	5.28	5.04	0.09	19.90	5.52	5.28	0.06
17.35	5.28	5.05	0.09	19.95	5.52	5.28	0.06
17.40	5.29	5.05	0.09	20.00	5.53	5.29	0.06
17.45	5.29	5.06	0.08	20.05	5.53	5.29	0.06
17.50	5.30	5.06	0.08	20.10	5.53	5.30	0.06
17.55	5.30	5.07	0.08	20.15	5.54	5.30	0.06
17.60	5.31	5.07	0.08	20.20	5.54	5.30	0.06
17.65	5.31	5.08	0.08	20.25	5.55	5.31	0.06
17.70	5.32	5.08	0.08	20.30	5.55	5.31	0.06
17.75	5.33	5.09	0.08	20.35	5.55	5.32	0.06
17.80	5.33	5.09	0.08	20.40	5.56	5.32	0.06
17.85	5.34	5.10	0.08	20.45	5.56	5.32	0.06
17.90	5.34	5.10	0.08	20.50	5.57	5.33	0.06
17.95	5.34	5.11	0.08	20.55	5.57	5.33	0.06
18.00	5.35	5.11	0.07	20.60	5.57	5.34	0.06
18.05	5.35	5.12	0.07	20.65	5.58	5.34	0.06
18.10	5.36	5.12	0.07	20.70	5.58	5.34	0.06
18.15	5.36	5.13	0.07	20.75	5.59	5.35	0.06

Hydrograph for Subcatchment 48I: PDA-48 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	5.35	0.06	23.40	5.77	5.53	0.05
20.85	5.59	5.36	0.06	23.45	5.78	5.54	0.05
20.90	5.60	5.36	0.06	23.50	5.78	5.54	0.05
20.95	5.60	5.36	0.06	23.55	5.78	5.54	0.05
21.00	5.61	5.37	0.06	23.60	5.78	5.55	0.05
21.05	5.61	5.37	0.06	23.65	5.79	5.55	0.05
21.10	5.61	5.37	0.06	23.70	5.79	5.55	0.05
21.15	5.62	5.38	0.06	23.75	5.79	5.56	0.05
21.20	5.62	5.38	0.06	23.80	5.80	5.56	0.05
21.25	5.62	5.39	0.06	23.85	5.80	5.56	0.05
21.30	5.63	5.39	0.06	23.90	5.80	5.56	0.05
21.35	5.63	5.39	0.06	23.95	5.81	5.57	0.05
21.40	5.64	5.40	0.06	24.00	**5.81**	**5.57**	0.06
21.45	5.64	5.40	0.06	24.05	5.81	5.57	0.02
21.50	5.64	5.40	0.06	24.10	5.81	5.57	0.00
21.55	5.65	5.41	0.06	24.15	5.81	5.57	0.00
21.60	5.65	5.41	0.06	24.20	5.81	5.57	0.00
21.65	5.65	5.42	0.06	24.25	5.81	5.57	0.00
21.70	5.66	5.42	0.06	24.30	5.81	5.57	0.00
21.75	5.66	5.42	0.06	24.35	5.81	5.57	0.00
21.80	5.66	5.43	0.06	24.40	5.81	5.57	0.00
21.85	5.67	5.43	0.06	24.45	5.81	5.57	0.00
21.90	5.67	5.43	0.06	24.50	5.81	5.57	0.00
21.95	5.68	5.44	0.06	24.55	5.81	5.57	0.00
22.00	5.68	5.44	0.06	24.60	5.81	5.57	0.00
22.05	5.68	5.44	0.06	24.65	5.81	5.57	0.00
22.10	5.69	5.45	0.05	24.70	5.81	5.57	0.00
22.15	5.69	5.45	0.05	24.75	5.81	5.57	0.00
22.20	5.69	5.45	0.05	24.80	5.81	5.57	0.00
22.25	5.70	5.46	0.05	24.85	5.81	5.57	0.00
22.30	5.70	5.46	0.05	24.90	5.81	5.57	0.00
22.35	5.70	5.47	0.05	24.95	5.81	5.57	0.00
22.40	5.71	5.47	0.05	25.00	5.81	5.57	0.00
22.45	5.71	5.47	0.05	25.05	5.81	5.57	0.00
22.50	5.71	5.48	0.05	25.10	5.81	5.57	0.00
22.55	5.72	5.48	0.05	25.15	5.81	5.57	0.00
22.60	5.72	5.48	0.05	25.20	5.81	5.57	0.00
22.65	5.72	5.49	0.05	25.25	5.81	5.57	0.00
22.70	5.73	5.49	0.05	25.30	5.81	5.57	0.00
22.75	5.73	5.49	0.05	25.35	5.81	5.57	0.00
22.80	5.73	5.50	0.05	25.40	5.81	5.57	0.00
22.85	5.74	5.50	0.05	25.45	5.81	5.57	0.00
22.90	5.74	5.50	0.05	25.50	5.81	5.57	0.00
22.95	5.74	5.51	0.05	25.55	5.81	5.57	0.00
23.00	5.75	5.51	0.05	25.60	5.81	5.57	0.00
23.05	5.75	5.51	0.05	25.65	5.81	5.57	0.00
23.10	5.75	5.52	0.05	25.70	5.81	5.57	0.00
23.15	5.76	5.52	0.05	25.75	5.81	5.57	0.00
23.20	5.76	5.52	0.05	25.80	5.81	5.57	0.00
23.25	5.76	5.52	0.05	25.85	5.81	5.57	0.00
23.30	5.77	5.53	0.05	25.90	5.81	5.57	0.00
23.35	5.77	5.53	0.05	25.95	5.81	5.57	0.00

Hydrograph for Subcatchment 48I: PDA-48 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	5.57	0.00	28.60	5.81	5.57	0.00
26.05	5.81	5.57	0.00	28.65	5.81	5.57	0.00
26.10	5.81	5.57	0.00	28.70	5.81	5.57	0.00
26.15	5.81	5.57	0.00	28.75	5.81	5.57	0.00
26.20	5.81	5.57	0.00	28.80	5.81	5.57	0.00
26.25	5.81	5.57	0.00	28.85	5.81	5.57	0.00
26.30	5.81	5.57	0.00	28.90	5.81	5.57	0.00
26.35	5.81	5.57	0.00	28.95	5.81	5.57	0.00
26.40	5.81	5.57	0.00	29.00	5.81	5.57	0.00
26.45	5.81	5.57	0.00	29.05	5.81	5.57	0.00
26.50	5.81	5.57	0.00	29.10	5.81	5.57	0.00
26.55	5.81	5.57	0.00	29.15	5.81	5.57	0.00
26.60	5.81	5.57	0.00	29.20	5.81	5.57	0.00
26.65	5.81	5.57	0.00	29.25	5.81	5.57	0.00
26.70	5.81	5.57	0.00	29.30	5.81	5.57	0.00
26.75	5.81	5.57	0.00	29.35	5.81	5.57	0.00
26.80	5.81	5.57	0.00	29.40	5.81	5.57	0.00
26.85	5.81	5.57	0.00	29.45	5.81	5.57	0.00
26.90	5.81	5.57	0.00	29.50	5.81	5.57	0.00
26.95	5.81	5.57	0.00	29.55	5.81	5.57	0.00
27.00	5.81	5.57	0.00	29.60	5.81	5.57	0.00
27.05	5.81	5.57	0.00	29.65	5.81	5.57	0.00
27.10	5.81	5.57	0.00	29.70	5.81	5.57	0.00
27.15	5.81	5.57	0.00	29.75	5.81	5.57	0.00
27.20	5.81	5.57	0.00	29.80	5.81	5.57	0.00
27.25	5.81	5.57	0.00	29.85	5.81	5.57	0.00
27.30	5.81	5.57	0.00	29.90	5.81	5.57	0.00
27.35	5.81	5.57	0.00	29.95	5.81	5.57	0.00
27.40	5.81	5.57	0.00	30.00	5.81	5.57	0.00
27.45	5.81	5.57	0.00	30.05	5.81	5.57	0.00
27.50	5.81	5.57	0.00	30.10	5.81	5.57	0.00
27.55	5.81	5.57	0.00	30.15	5.81	5.57	0.00
27.60	5.81	5.57	0.00	30.20	5.81	5.57	0.00
27.65	5.81	5.57	0.00	30.25	5.81	5.57	0.00
27.70	5.81	5.57	0.00	30.30	5.81	5.57	0.00
27.75	5.81	5.57	0.00	30.35	5.81	5.57	0.00
27.80	5.81	5.57	0.00	30.40	5.81	5.57	0.00
27.85	5.81	5.57	0.00	30.45	5.81	5.57	0.00
27.90	5.81	5.57	0.00	30.50	5.81	5.57	0.00
27.95	5.81	5.57	0.00	30.55	5.81	5.57	0.00
28.00	5.81	5.57	0.00	30.60	5.81	5.57	0.00
28.05	5.81	5.57	0.00	30.65	5.81	5.57	0.00
28.10	5.81	5.57	0.00	30.70	5.81	5.57	0.00
28.15	5.81	5.57	0.00	30.75	5.81	5.57	0.00
28.20	5.81	5.57	0.00	30.80	5.81	5.57	0.00
28.25	5.81	5.57	0.00	30.85	5.81	5.57	0.00
28.30	5.81	5.57	0.00	30.90	5.81	5.57	0.00
28.35	5.81	5.57	0.00	30.95	5.81	5.57	0.00
28.40	5.81	5.57	0.00	31.00	5.81	5.57	0.00
28.45	5.81	5.57	0.00	31.05	5.81	5.57	0.00
28.50	5.81	5.57	0.00	31.10	5.81	5.57	0.00
28.55	5.81	5.57	0.00	31.15	5.81	5.57	0.00

Hydrograph for Subcatchment 48I: PDA-48 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	5.57	0.00	33.80	5.81	5.57	0.00
31.25	5.81	5.57	0.00	33.85	5.81	5.57	0.00
31.30	5.81	5.57	0.00	33.90	5.81	5.57	0.00
31.35	5.81	5.57	0.00	33.95	5.81	5.57	0.00
31.40	5.81	5.57	0.00	34.00	5.81	5.57	0.00
31.45	5.81	5.57	0.00	34.05	5.81	5.57	0.00
31.50	5.81	5.57	0.00	34.10	5.81	5.57	0.00
31.55	5.81	5.57	0.00	34.15	5.81	5.57	0.00
31.60	5.81	5.57	0.00	34.20	5.81	5.57	0.00
31.65	5.81	5.57	0.00	34.25	5.81	5.57	0.00
31.70	5.81	5.57	0.00	34.30	5.81	5.57	0.00
31.75	5.81	5.57	0.00	34.35	5.81	5.57	0.00
31.80	5.81	5.57	0.00	34.40	5.81	5.57	0.00
31.85	5.81	5.57	0.00	34.45	5.81	5.57	0.00
31.90	5.81	5.57	0.00	34.50	5.81	5.57	0.00
31.95	5.81	5.57	0.00	34.55	5.81	5.57	0.00
32.00	5.81	5.57	0.00	34.60	5.81	5.57	0.00
32.05	5.81	5.57	0.00	34.65	5.81	5.57	0.00
32.10	5.81	5.57	0.00	34.70	5.81	5.57	0.00
32.15	5.81	5.57	0.00	34.75	5.81	5.57	0.00
32.20	5.81	5.57	0.00	34.80	5.81	5.57	0.00
32.25	5.81	5.57	0.00	34.85	5.81	5.57	0.00
32.30	5.81	5.57	0.00	34.90	5.81	5.57	0.00
32.35	5.81	5.57	0.00	34.95	5.81	5.57	0.00
32.40	5.81	5.57	0.00	35.00	5.81	5.57	0.00
32.45	5.81	5.57	0.00	35.05	5.81	5.57	0.00
32.50	5.81	5.57	0.00	35.10	5.81	5.57	0.00
32.55	5.81	5.57	0.00	35.15	5.81	5.57	0.00
32.60	5.81	5.57	0.00	35.20	5.81	5.57	0.00
32.65	5.81	5.57	0.00	35.25	5.81	5.57	0.00
32.70	5.81	5.57	0.00	35.30	5.81	5.57	0.00
32.75	5.81	5.57	0.00	35.35	5.81	5.57	0.00
32.80	5.81	5.57	0.00	35.40	5.81	5.57	0.00
32.85	5.81	5.57	0.00	35.45	5.81	5.57	0.00
32.90	5.81	5.57	0.00	35.50	5.81	5.57	0.00
32.95	5.81	5.57	0.00	35.55	5.81	5.57	0.00
33.00	5.81	5.57	0.00	35.60	5.81	5.57	0.00
33.05	5.81	5.57	0.00	35.65	5.81	5.57	0.00
33.10	5.81	5.57	0.00	35.70	5.81	5.57	0.00
33.15	5.81	5.57	0.00	35.75	5.81	5.57	0.00
33.20	5.81	5.57	0.00	35.80	5.81	5.57	0.00
33.25	5.81	5.57	0.00	35.85	5.81	5.57	0.00
33.30	5.81	5.57	0.00	35.90	5.81	5.57	0.00
33.35	5.81	5.57	0.00	35.95	5.81	5.57	0.00
33.40	5.81	5.57	0.00	36.00	5.81	5.57	0.00
33.45	5.81	5.57	0.00	36.05	5.81	5.57	0.00
33.50	5.81	5.57	0.00	36.10	5.81	5.57	0.00
33.55	5.81	5.57	0.00	36.15	5.81	5.57	0.00
33.60	5.81	5.57	0.00	36.20	5.81	5.57	0.00
33.65	5.81	5.57	0.00	36.25	5.81	5.57	0.00
33.70	5.81	5.57	0.00	36.30	5.81	5.57	0.00
33.75	5.81	5.57	0.00	36.35	5.81	5.57	0.00

Hydrograph for Subcatchment 48I: PDA-48 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	5.57	0.00
36.45	5.81	5.57	0.00
36.50	5.81	5.57	0.00
36.55	5.81	5.57	0.00
36.60	5.81	5.57	0.00
36.65	5.81	5.57	0.00
36.70	5.81	5.57	0.00
36.75	5.81	5.57	0.00
36.80	5.81	5.57	0.00
36.85	5.81	5.57	0.00
36.90	5.81	5.57	0.00
36.95	5.81	5.57	0.00
37.00	5.81	5.57	0.00
37.05	5.81	5.57	0.00
37.10	5.81	5.57	0.00
37.15	5.81	5.57	0.00
37.20	5.81	5.57	0.00
37.25	5.81	5.57	0.00
37.30	5.81	5.57	0.00
37.35	5.81	5.57	0.00
37.40	5.81	5.57	0.00
37.45	5.81	5.57	0.00
37.50	5.81	5.57	0.00
37.55	5.81	5.57	0.00
37.60	5.81	5.57	0.00
37.65	5.81	5.57	0.00
37.70	5.81	5.57	0.00
37.75	5.81	5.57	0.00
37.80	5.81	5.57	0.00
37.85	5.81	5.57	0.00
37.90	5.81	5.57	0.00
37.95	5.81	5.57	0.00
38.00	5.81	5.57	0.00
38.05	5.81	5.57	0.00
38.10	5.81	5.57	0.00
38.15	5.81	5.57	0.00
38.20	5.81	5.57	0.00
38.25	5.81	5.57	0.00
38.30	5.81	5.57	0.00
38.35	5.81	5.57	0.00
38.40	5.81	5.57	0.00
38.45	5.81	5.57	0.00
38.50	5.81	5.57	0.00
38.55	5.81	5.57	0.00
38.60	5.81	5.57	0.00
38.65	5.81	5.57	0.00
38.70	5.81	5.57	0.00
38.75	5.81	5.57	0.00
38.80	5.81	5.57	0.00
38.85	5.81	5.57	0.00
38.90	5.81	5.57	0.00
38.95	5.81	5.57	0.00
39.00	5.81	5.57	0.00
39.05	5.81	5.57	0.00
39.10	5.81	5.57	0.00
39.15	5.81	5.57	0.00
39.20	5.81	5.57	0.00
39.25	5.81	5.57	0.00
39.30	5.81	5.57	0.00
39.35	5.81	5.57	0.00
39.40	5.81	5.57	0.00
39.45	5.81	5.57	0.00
39.50	5.81	5.57	0.00
39.55	5.81	5.57	0.00
39.60	5.81	5.57	0.00
39.65	5.81	5.57	0.00
39.70	5.81	5.57	0.00
39.75	5.81	5.57	0.00
39.80	5.81	5.57	0.00
39.85	5.81	5.57	0.00
39.90	5.81	5.57	0.00
39.95	5.81	5.57	0.00
40.00	5.81	5.57	0.00

Summary for Subcatchment 48P: PDA-48 (pervious)

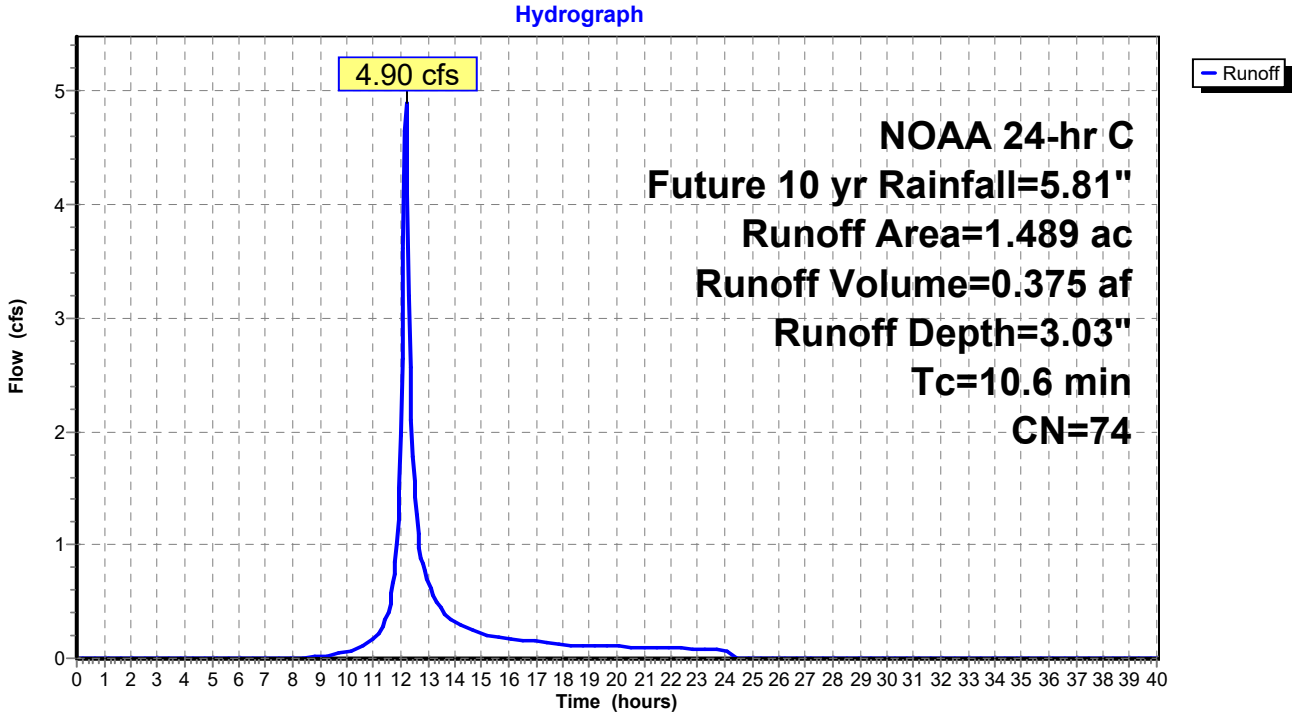
Runoff = 4.90 cfs @ 12.19 hrs, Volume= 0.375 af, Depth= 3.03"
Routed to Pond B-48 : Basin #48

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
1.489	74	>75% Grass cover, Good, HSG C
1.489		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.6					**Direct Entry,**

Subcatchment 48P: PDA-48 (pervious)



Hydrograph for Subcatchment 48P: PDA-48 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment 48P: PDA-48 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.00
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.00
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.01
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.01
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.01
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.01
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.01
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.01
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.01
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.01
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.01
6.35	0.50	0.00	0.00	8.95	0.84	0.01	0.01
6.40	0.50	0.00	0.00	9.00	0.85	0.01	0.02
6.45	0.51	0.00	0.00	9.05	0.86	0.01	0.02
6.50	0.51	0.00	0.00	9.10	0.87	0.01	0.02
6.55	0.52	0.00	0.00	9.15	0.87	0.01	0.02
6.60	0.52	0.00	0.00	9.20	0.88	0.01	0.02
6.65	0.53	0.00	0.00	9.25	0.89	0.01	0.02
6.70	0.53	0.00	0.00	9.30	0.90	0.01	0.02
6.75	0.54	0.00	0.00	9.35	0.91	0.01	0.03
6.80	0.54	0.00	0.00	9.40	0.92	0.01	0.03
6.85	0.55	0.00	0.00	9.45	0.93	0.01	0.03
6.90	0.56	0.00	0.00	9.50	0.94	0.02	0.03
6.95	0.56	0.00	0.00	9.55	0.95	0.02	0.03
7.00	0.57	0.00	0.00	9.60	0.96	0.02	0.04
7.05	0.57	0.00	0.00	9.65	0.98	0.02	0.04
7.10	0.58	0.00	0.00	9.70	0.99	0.02	0.04
7.15	0.58	0.00	0.00	9.75	1.00	0.02	0.04
7.20	0.59	0.00	0.00	9.80	1.01	0.02	0.05
7.25	0.60	0.00	0.00	9.85	1.02	0.03	0.05
7.30	0.60	0.00	0.00	9.90	1.03	0.03	0.05
7.35	0.61	0.00	0.00	9.95	1.05	0.03	0.05
7.40	0.62	0.00	0.00	10.00	1.06	0.03	0.06
7.45	0.62	0.00	0.00	10.05	1.07	0.04	0.06
7.50	0.63	0.00	0.00	10.10	1.09	0.04	0.06
7.55	0.64	0.00	0.00	10.15	1.10	0.04	0.07
7.60	0.64	0.00	0.00	10.20	1.11	0.04	0.07
7.65	0.65	0.00	0.00	10.25	1.13	0.05	0.07
7.70	0.65	0.00	0.00	10.30	1.14	0.05	0.08
7.75	0.66	0.00	0.00	10.35	1.15	0.05	0.08

Hydrograph for Subcatchment 48P: PDA-48 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.05	0.08	13.00	4.42	1.91	0.68
10.45	1.18	0.06	0.09	13.05	4.44	1.93	0.64
10.50	1.20	0.06	0.09	13.10	4.46	1.94	0.61
10.55	1.21	0.06	0.09	13.15	4.48	1.96	0.57
10.60	1.23	0.07	0.10	13.20	4.50	1.98	0.55
10.65	1.25	0.07	0.11	13.25	4.52	1.99	0.52
10.70	1.27	0.08	0.12	13.30	4.54	2.01	0.50
10.75	1.29	0.08	0.12	13.35	4.56	2.02	0.48
10.80	1.31	0.09	0.13	13.40	4.58	2.03	0.46
10.85	1.33	0.09	0.14	13.45	4.60	2.05	0.44
10.90	1.35	0.10	0.15	13.50	4.61	2.06	0.42
10.95	1.37	0.11	0.16	13.55	4.63	2.07	0.40
11.00	1.39	0.11	0.18	13.60	4.64	2.08	0.39
11.05	1.42	0.12	0.19	13.65	4.66	2.09	0.37
11.10	1.45	0.13	0.20	13.70	4.67	2.10	0.35
11.15	1.48	0.14	0.22	13.75	4.68	2.12	0.34
11.20	1.51	0.15	0.24	13.80	4.70	2.13	0.34
11.25	1.54	0.16	0.26	13.85	4.71	2.14	0.33
11.30	1.57	0.17	0.28	13.90	4.72	2.15	0.33
11.35	1.61	0.18	0.31	13.95	4.74	2.16	0.32
11.40	1.64	0.20	0.33	14.00	4.75	2.17	0.32
11.45	1.68	0.21	0.36	14.05	4.76	2.18	0.31
11.50	1.72	0.23	0.38	14.10	4.78	2.19	0.31
11.55	1.78	0.25	0.42	14.15	4.79	2.20	0.30
11.60	1.83	0.28	0.48	14.20	4.80	2.21	0.30
11.65	1.90	0.30	0.58	14.25	4.81	2.21	0.29
11.70	1.96	0.33	0.67	14.30	4.82	2.22	0.29
11.75	2.04	0.37	0.75	14.35	4.83	2.23	0.28
11.80	2.13	0.41	0.85	14.40	4.85	2.24	0.28
11.85	2.25	0.47	1.01	14.45	4.86	2.25	0.27
11.90	2.36	0.53	1.22	14.50	4.87	2.26	0.27
11.95	2.57	0.65	1.50	14.55	4.88	2.27	0.26
12.00	2.77	0.77	1.96	14.60	4.89	2.27	0.26
12.05	3.11	0.98	2.64	14.65	4.90	2.28	0.25
12.10	3.45	1.20	3.61	14.70	4.91	2.29	0.25
12.15	3.56	1.28	4.66	14.75	4.92	2.30	0.24
12.20	3.68	1.37	**4.86**	14.80	4.93	2.31	0.24
12.25	3.77	1.43	4.09	14.85	4.94	2.31	0.23
12.30	3.85	1.49	3.19	14.90	4.94	2.32	0.23
12.35	3.91	1.53	2.56	14.95	4.95	2.33	0.22
12.40	3.98	1.58	2.11	15.00	4.96	2.33	0.22
12.45	4.03	1.62	1.77	15.05	4.97	2.34	0.21
12.50	4.09	1.67	1.56	15.10	4.98	2.35	0.21
12.55	4.13	1.69	1.42	15.15	4.99	2.35	0.20
12.60	4.17	1.72	1.27	15.20	4.99	2.36	0.20
12.65	4.20	1.75	1.10	15.25	5.00	2.37	0.20
12.70	4.24	1.77	0.97	15.30	5.01	2.37	0.19
12.75	4.27	1.80	0.88	15.35	5.02	2.38	0.19
12.80	4.30	1.82	0.83	15.40	5.03	2.38	0.19
12.85	4.33	1.85	0.79	15.45	5.03	2.39	0.19
12.90	4.36	1.87	0.75	15.50	5.04	2.40	0.19
12.95	4.39	1.89	0.71	15.55	5.05	2.40	0.19

Hydrograph for Subcatchment 48P: PDA-48 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	2.41	0.18	18.20	5.37	2.66	0.12
15.65	5.06	2.41	0.18	18.25	5.37	2.67	0.11
15.70	5.07	2.42	0.18	18.30	5.38	2.67	0.11
15.75	5.08	2.43	0.18	18.35	5.38	2.67	0.11
15.80	5.09	2.43	0.18	18.40	5.39	2.68	0.11
15.85	5.09	2.44	0.18	18.45	5.39	2.68	0.11
15.90	5.10	2.44	0.18	18.50	5.40	2.68	0.11
15.95	5.11	2.45	0.18	18.55	5.40	2.69	0.11
16.00	5.11	2.46	0.17	18.60	5.40	2.69	0.11
16.05	5.12	2.46	0.17	18.65	5.41	2.69	0.11
16.10	5.13	2.47	0.17	18.70	5.41	2.70	0.11
16.15	5.13	2.47	0.17	18.75	5.42	2.70	0.11
16.20	5.14	2.48	0.17	18.80	5.42	2.71	0.11
16.25	5.15	2.48	0.17	18.85	5.43	2.71	0.11
16.30	5.16	2.49	0.17	18.90	5.43	2.71	0.11
16.35	5.16	2.49	0.17	18.95	5.44	2.72	0.11
16.40	5.17	2.50	0.16	19.00	5.44	2.72	0.11
16.45	5.17	2.50	0.16	19.05	5.44	2.72	0.11
16.50	5.18	2.51	0.16	19.10	5.45	2.73	0.11
16.55	5.19	2.52	0.16	19.15	5.45	2.73	0.11
16.60	5.19	2.52	0.16	19.20	5.46	2.73	0.11
16.65	5.20	2.53	0.16	19.25	5.46	2.74	0.11
16.70	5.21	2.53	0.16	19.30	5.47	2.74	0.11
16.75	5.21	2.54	0.15	19.35	5.47	2.75	0.11
16.80	5.22	2.54	0.15	19.40	5.48	2.75	0.11
16.85	5.23	2.55	0.15	19.45	5.48	2.75	0.11
16.90	5.23	2.55	0.15	19.50	5.48	2.76	0.11
16.95	5.24	2.55	0.15	19.55	5.49	2.76	0.11
17.00	5.24	2.56	0.15	19.60	5.49	2.76	0.11
17.05	5.25	2.56	0.15	19.65	5.50	2.77	0.10
17.10	5.25	2.57	0.15	19.70	5.50	2.77	0.10
17.15	5.26	2.57	0.14	19.75	5.50	2.77	0.10
17.20	5.27	2.58	0.14	19.80	5.51	2.78	0.10
17.25	5.27	2.58	0.14	19.85	5.51	2.78	0.10
17.30	5.28	2.59	0.14	19.90	5.52	2.78	0.10
17.35	5.28	2.59	0.14	19.95	5.52	2.79	0.10
17.40	5.29	2.60	0.14	20.00	5.53	2.79	0.10
17.45	5.29	2.60	0.14	20.05	5.53	2.79	0.10
17.50	5.30	2.61	0.13	20.10	5.53	2.80	0.10
17.55	5.30	2.61	0.13	20.15	5.54	2.80	0.10
17.60	5.31	2.61	0.13	20.20	5.54	2.80	0.10
17.65	5.31	2.62	0.13	20.25	5.55	2.81	0.10
17.70	5.32	2.62	0.13	20.30	5.55	2.81	0.10
17.75	5.33	2.63	0.13	20.35	5.55	2.81	0.10
17.80	5.33	2.63	0.13	20.40	5.56	2.82	0.10
17.85	5.34	2.63	0.12	20.45	5.56	2.82	0.10
17.90	5.34	2.64	0.12	20.50	5.57	2.82	0.10
17.95	5.34	2.64	0.12	20.55	5.57	2.83	0.10
18.00	5.35	2.65	0.12	20.60	5.57	2.83	0.10
18.05	5.35	2.65	0.12	20.65	5.58	2.83	0.10
18.10	5.36	2.65	0.12	20.70	5.58	2.84	0.10
18.15	5.36	2.66	0.12	20.75	5.59	2.84	0.10

Hydrograph for Subcatchment 48P: PDA-48 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.84	0.10	23.40	5.77	2.99	0.08
20.85	5.59	2.85	0.10	23.45	5.78	3.00	0.08
20.90	5.60	2.85	0.10	23.50	5.78	3.00	0.08
20.95	5.60	2.85	0.10	23.55	5.78	3.00	0.08
21.00	5.61	2.86	0.10	23.60	5.78	3.00	0.08
21.05	5.61	2.86	0.10	23.65	5.79	3.01	0.08
21.10	5.61	2.86	0.10	23.70	5.79	3.01	0.08
21.15	5.62	2.87	0.09	23.75	5.79	3.01	0.08
21.20	5.62	2.87	0.09	23.80	5.80	3.01	0.08
21.25	5.62	2.87	0.09	23.85	5.80	3.02	0.08
21.30	5.63	2.87	0.09	23.90	5.80	3.02	0.08
21.35	5.63	2.88	0.09	23.95	5.81	3.02	0.08
21.40	5.64	2.88	0.09	24.00	**5.81**	**3.03**	0.08
21.45	5.64	2.88	0.09	24.05	5.81	3.03	0.08
21.50	5.64	2.89	0.09	24.10	5.81	3.03	0.07
21.55	5.65	2.89	0.09	24.15	5.81	3.03	0.04
21.60	5.65	2.89	0.09	24.20	5.81	3.03	0.02
21.65	5.65	2.90	0.09	24.25	5.81	3.03	0.01
21.70	5.66	2.90	0.09	24.30	5.81	3.03	0.01
21.75	5.66	2.90	0.09	24.35	5.81	3.03	0.00
21.80	5.66	2.90	0.09	24.40	5.81	3.03	0.00
21.85	5.67	2.91	0.09	24.45	5.81	3.03	0.00
21.90	5.67	2.91	0.09	24.50	5.81	3.03	0.00
21.95	5.68	2.91	0.09	24.55	5.81	3.03	0.00
22.00	5.68	2.92	0.09	24.60	5.81	3.03	0.00
22.05	5.68	2.92	0.09	24.65	5.81	3.03	0.00
22.10	5.69	2.92	0.09	24.70	5.81	3.03	0.00
22.15	5.69	2.93	0.09	24.75	5.81	3.03	0.00
22.20	5.69	2.93	0.09	24.80	5.81	3.03	0.00
22.25	5.70	2.93	0.09	24.85	5.81	3.03	0.00
22.30	5.70	2.93	0.09	24.90	5.81	3.03	0.00
22.35	5.70	2.94	0.09	24.95	5.81	3.03	0.00
22.40	5.71	2.94	0.09	25.00	5.81	3.03	0.00
22.45	5.71	2.94	0.09	25.05	5.81	3.03	0.00
22.50	5.71	2.95	0.09	25.10	5.81	3.03	0.00
22.55	5.72	2.95	0.09	25.15	5.81	3.03	0.00
22.60	5.72	2.95	0.08	25.20	5.81	3.03	0.00
22.65	5.72	2.95	0.08	25.25	5.81	3.03	0.00
22.70	5.73	2.96	0.08	25.30	5.81	3.03	0.00
22.75	5.73	2.96	0.08	25.35	5.81	3.03	0.00
22.80	5.73	2.96	0.08	25.40	5.81	3.03	0.00
22.85	5.74	2.96	0.08	25.45	5.81	3.03	0.00
22.90	5.74	2.97	0.08	25.50	5.81	3.03	0.00
22.95	5.74	2.97	0.08	25.55	5.81	3.03	0.00
23.00	5.75	2.97	0.08	25.60	5.81	3.03	0.00
23.05	5.75	2.98	0.08	25.65	5.81	3.03	0.00
23.10	5.75	2.98	0.08	25.70	5.81	3.03	0.00
23.15	5.76	2.98	0.08	25.75	5.81	3.03	0.00
23.20	5.76	2.98	0.08	25.80	5.81	3.03	0.00
23.25	5.76	2.99	0.08	25.85	5.81	3.03	0.00
23.30	5.77	2.99	0.08	25.90	5.81	3.03	0.00
23.35	5.77	2.99	0.08	25.95	5.81	3.03	0.00

Hydrograph for Subcatchment 48P: PDA-48 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	3.03	0.00	28.60	5.81	3.03	0.00
26.05	5.81	3.03	0.00	28.65	5.81	3.03	0.00
26.10	5.81	3.03	0.00	28.70	5.81	3.03	0.00
26.15	5.81	3.03	0.00	28.75	5.81	3.03	0.00
26.20	5.81	3.03	0.00	28.80	5.81	3.03	0.00
26.25	5.81	3.03	0.00	28.85	5.81	3.03	0.00
26.30	5.81	3.03	0.00	28.90	5.81	3.03	0.00
26.35	5.81	3.03	0.00	28.95	5.81	3.03	0.00
26.40	5.81	3.03	0.00	29.00	5.81	3.03	0.00
26.45	5.81	3.03	0.00	29.05	5.81	3.03	0.00
26.50	5.81	3.03	0.00	29.10	5.81	3.03	0.00
26.55	5.81	3.03	0.00	29.15	5.81	3.03	0.00
26.60	5.81	3.03	0.00	29.20	5.81	3.03	0.00
26.65	5.81	3.03	0.00	29.25	5.81	3.03	0.00
26.70	5.81	3.03	0.00	29.30	5.81	3.03	0.00
26.75	5.81	3.03	0.00	29.35	5.81	3.03	0.00
26.80	5.81	3.03	0.00	29.40	5.81	3.03	0.00
26.85	5.81	3.03	0.00	29.45	5.81	3.03	0.00
26.90	5.81	3.03	0.00	29.50	5.81	3.03	0.00
26.95	5.81	3.03	0.00	29.55	5.81	3.03	0.00
27.00	5.81	3.03	0.00	29.60	5.81	3.03	0.00
27.05	5.81	3.03	0.00	29.65	5.81	3.03	0.00
27.10	5.81	3.03	0.00	29.70	5.81	3.03	0.00
27.15	5.81	3.03	0.00	29.75	5.81	3.03	0.00
27.20	5.81	3.03	0.00	29.80	5.81	3.03	0.00
27.25	5.81	3.03	0.00	29.85	5.81	3.03	0.00
27.30	5.81	3.03	0.00	29.90	5.81	3.03	0.00
27.35	5.81	3.03	0.00	29.95	5.81	3.03	0.00
27.40	5.81	3.03	0.00	30.00	5.81	3.03	0.00
27.45	5.81	3.03	0.00	30.05	5.81	3.03	0.00
27.50	5.81	3.03	0.00	30.10	5.81	3.03	0.00
27.55	5.81	3.03	0.00	30.15	5.81	3.03	0.00
27.60	5.81	3.03	0.00	30.20	5.81	3.03	0.00
27.65	5.81	3.03	0.00	30.25	5.81	3.03	0.00
27.70	5.81	3.03	0.00	30.30	5.81	3.03	0.00
27.75	5.81	3.03	0.00	30.35	5.81	3.03	0.00
27.80	5.81	3.03	0.00	30.40	5.81	3.03	0.00
27.85	5.81	3.03	0.00	30.45	5.81	3.03	0.00
27.90	5.81	3.03	0.00	30.50	5.81	3.03	0.00
27.95	5.81	3.03	0.00	30.55	5.81	3.03	0.00
28.00	5.81	3.03	0.00	30.60	5.81	3.03	0.00
28.05	5.81	3.03	0.00	30.65	5.81	3.03	0.00
28.10	5.81	3.03	0.00	30.70	5.81	3.03	0.00
28.15	5.81	3.03	0.00	30.75	5.81	3.03	0.00
28.20	5.81	3.03	0.00	30.80	5.81	3.03	0.00
28.25	5.81	3.03	0.00	30.85	5.81	3.03	0.00
28.30	5.81	3.03	0.00	30.90	5.81	3.03	0.00
28.35	5.81	3.03	0.00	30.95	5.81	3.03	0.00
28.40	5.81	3.03	0.00	31.00	5.81	3.03	0.00
28.45	5.81	3.03	0.00	31.05	5.81	3.03	0.00
28.50	5.81	3.03	0.00	31.10	5.81	3.03	0.00
28.55	5.81	3.03	0.00	31.15	5.81	3.03	0.00

Hydrograph for Subcatchment 48P: PDA-48 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	3.03	0.00	33.80	5.81	3.03	0.00
31.25	5.81	3.03	0.00	33.85	5.81	3.03	0.00
31.30	5.81	3.03	0.00	33.90	5.81	3.03	0.00
31.35	5.81	3.03	0.00	33.95	5.81	3.03	0.00
31.40	5.81	3.03	0.00	34.00	5.81	3.03	0.00
31.45	5.81	3.03	0.00	34.05	5.81	3.03	0.00
31.50	5.81	3.03	0.00	34.10	5.81	3.03	0.00
31.55	5.81	3.03	0.00	34.15	5.81	3.03	0.00
31.60	5.81	3.03	0.00	34.20	5.81	3.03	0.00
31.65	5.81	3.03	0.00	34.25	5.81	3.03	0.00
31.70	5.81	3.03	0.00	34.30	5.81	3.03	0.00
31.75	5.81	3.03	0.00	34.35	5.81	3.03	0.00
31.80	5.81	3.03	0.00	34.40	5.81	3.03	0.00
31.85	5.81	3.03	0.00	34.45	5.81	3.03	0.00
31.90	5.81	3.03	0.00	34.50	5.81	3.03	0.00
31.95	5.81	3.03	0.00	34.55	5.81	3.03	0.00
32.00	5.81	3.03	0.00	34.60	5.81	3.03	0.00
32.05	5.81	3.03	0.00	34.65	5.81	3.03	0.00
32.10	5.81	3.03	0.00	34.70	5.81	3.03	0.00
32.15	5.81	3.03	0.00	34.75	5.81	3.03	0.00
32.20	5.81	3.03	0.00	34.80	5.81	3.03	0.00
32.25	5.81	3.03	0.00	34.85	5.81	3.03	0.00
32.30	5.81	3.03	0.00	34.90	5.81	3.03	0.00
32.35	5.81	3.03	0.00	34.95	5.81	3.03	0.00
32.40	5.81	3.03	0.00	35.00	5.81	3.03	0.00
32.45	5.81	3.03	0.00	35.05	5.81	3.03	0.00
32.50	5.81	3.03	0.00	35.10	5.81	3.03	0.00
32.55	5.81	3.03	0.00	35.15	5.81	3.03	0.00
32.60	5.81	3.03	0.00	35.20	5.81	3.03	0.00
32.65	5.81	3.03	0.00	35.25	5.81	3.03	0.00
32.70	5.81	3.03	0.00	35.30	5.81	3.03	0.00
32.75	5.81	3.03	0.00	35.35	5.81	3.03	0.00
32.80	5.81	3.03	0.00	35.40	5.81	3.03	0.00
32.85	5.81	3.03	0.00	35.45	5.81	3.03	0.00
32.90	5.81	3.03	0.00	35.50	5.81	3.03	0.00
32.95	5.81	3.03	0.00	35.55	5.81	3.03	0.00
33.00	5.81	3.03	0.00	35.60	5.81	3.03	0.00
33.05	5.81	3.03	0.00	35.65	5.81	3.03	0.00
33.10	5.81	3.03	0.00	35.70	5.81	3.03	0.00
33.15	5.81	3.03	0.00	35.75	5.81	3.03	0.00
33.20	5.81	3.03	0.00	35.80	5.81	3.03	0.00
33.25	5.81	3.03	0.00	35.85	5.81	3.03	0.00
33.30	5.81	3.03	0.00	35.90	5.81	3.03	0.00
33.35	5.81	3.03	0.00	35.95	5.81	3.03	0.00
33.40	5.81	3.03	0.00	36.00	5.81	3.03	0.00
33.45	5.81	3.03	0.00	36.05	5.81	3.03	0.00
33.50	5.81	3.03	0.00	36.10	5.81	3.03	0.00
33.55	5.81	3.03	0.00	36.15	5.81	3.03	0.00
33.60	5.81	3.03	0.00	36.20	5.81	3.03	0.00
33.65	5.81	3.03	0.00	36.25	5.81	3.03	0.00
33.70	5.81	3.03	0.00	36.30	5.81	3.03	0.00
33.75	5.81	3.03	0.00	36.35	5.81	3.03	0.00

Hydrograph for Subcatchment 48P: PDA-48 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	3.03	0.00
36.45	5.81	3.03	0.00
36.50	5.81	3.03	0.00
36.55	5.81	3.03	0.00
36.60	5.81	3.03	0.00
36.65	5.81	3.03	0.00
36.70	5.81	3.03	0.00
36.75	5.81	3.03	0.00
36.80	5.81	3.03	0.00
36.85	5.81	3.03	0.00
36.90	5.81	3.03	0.00
36.95	5.81	3.03	0.00
37.00	5.81	3.03	0.00
37.05	5.81	3.03	0.00
37.10	5.81	3.03	0.00
37.15	5.81	3.03	0.00
37.20	5.81	3.03	0.00
37.25	5.81	3.03	0.00
37.30	5.81	3.03	0.00
37.35	5.81	3.03	0.00
37.40	5.81	3.03	0.00
37.45	5.81	3.03	0.00
37.50	5.81	3.03	0.00
37.55	5.81	3.03	0.00
37.60	5.81	3.03	0.00
37.65	5.81	3.03	0.00
37.70	5.81	3.03	0.00
37.75	5.81	3.03	0.00
37.80	5.81	3.03	0.00
37.85	5.81	3.03	0.00
37.90	5.81	3.03	0.00
37.95	5.81	3.03	0.00
38.00	5.81	3.03	0.00
38.05	5.81	3.03	0.00
38.10	5.81	3.03	0.00
38.15	5.81	3.03	0.00
38.20	5.81	3.03	0.00
38.25	5.81	3.03	0.00
38.30	5.81	3.03	0.00
38.35	5.81	3.03	0.00
38.40	5.81	3.03	0.00
38.45	5.81	3.03	0.00
38.50	5.81	3.03	0.00
38.55	5.81	3.03	0.00
38.60	5.81	3.03	0.00
38.65	5.81	3.03	0.00
38.70	5.81	3.03	0.00
38.75	5.81	3.03	0.00
38.80	5.81	3.03	0.00
38.85	5.81	3.03	0.00
38.90	5.81	3.03	0.00
38.95	5.81	3.03	0.00
39.00	5.81	3.03	0.00
39.05	5.81	3.03	0.00
39.10	5.81	3.03	0.00
39.15	5.81	3.03	0.00
39.20	5.81	3.03	0.00
39.25	5.81	3.03	0.00
39.30	5.81	3.03	0.00
39.35	5.81	3.03	0.00
39.40	5.81	3.03	0.00
39.45	5.81	3.03	0.00
39.50	5.81	3.03	0.00
39.55	5.81	3.03	0.00
39.60	5.81	3.03	0.00
39.65	5.81	3.03	0.00
39.70	5.81	3.03	0.00
39.75	5.81	3.03	0.00
39.80	5.81	3.03	0.00
39.85	5.81	3.03	0.00
39.90	5.81	3.03	0.00
39.95	5.81	3.03	0.00
40.00	5.81	3.03	0.00

Summary for Subcatchment 49I: PDA-49 (impervious)

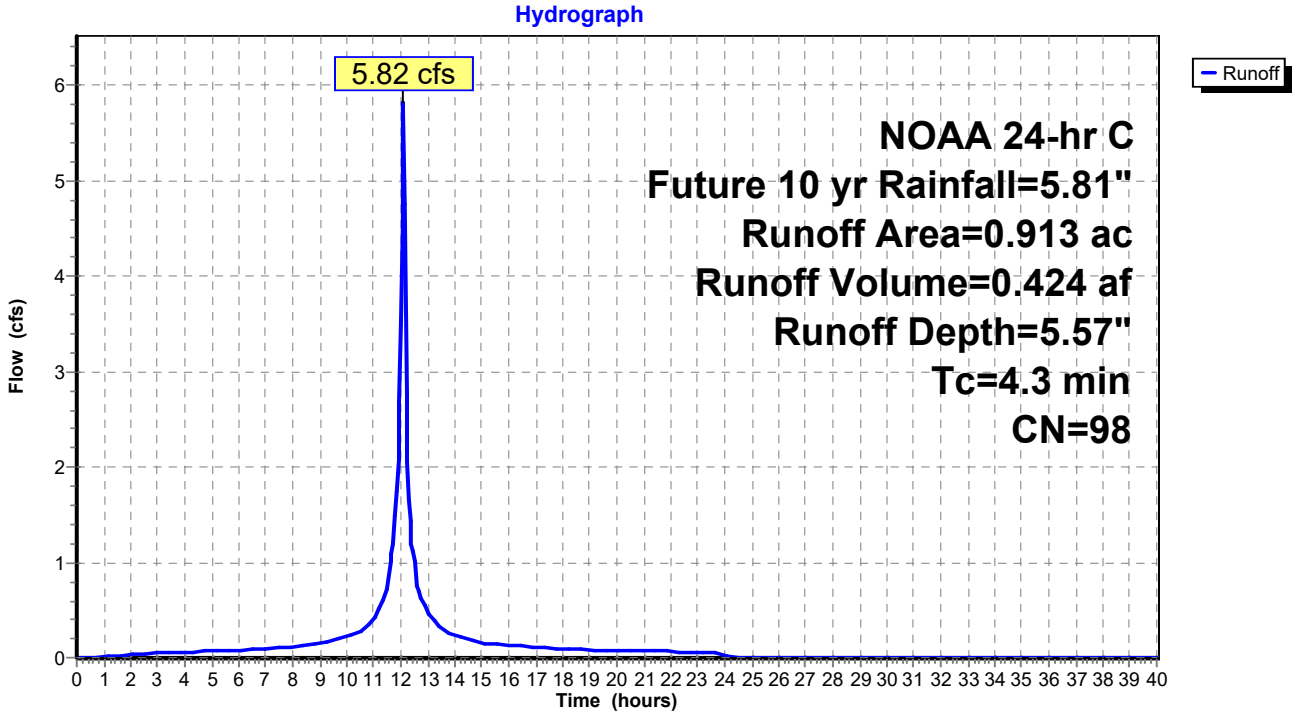
Runoff = 5.82 cfs @ 12.10 hrs, Volume= 0.424 af, Depth= 5.57"
Routed to Pond B-49 : Basin #49

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

	Area (ac)	CN	Description
*	0.434	98	Pavement, HSG C
*	0.418	98	Roof, HSG C
*	0.061	98	Concrete, HSG C
	0.913	98	Weighted Average
	0.913		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
4.3					**Direct Entry,**

Subcatchment 49I: PDA-49 (impervious)



Hydrograph for Subcatchment 49I: PDA-49 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.05	0.04
0.05	0.00	0.00	0.00	2.65	0.18	0.06	0.04
0.10	0.01	0.00	0.00	2.70	0.18	0.06	0.04
0.15	0.01	0.00	0.00	2.75	0.19	0.06	0.04
0.20	0.01	0.00	0.00	2.80	0.19	0.06	0.05
0.25	0.02	0.00	0.00	2.85	0.19	0.07	0.05
0.30	0.02	0.00	0.00	2.90	0.20	0.07	0.05
0.35	0.02	0.00	0.00	2.95	0.20	0.07	0.05
0.40	0.03	0.00	0.00	3.00	0.20	0.07	0.05
0.45	0.03	0.00	0.00	3.05	0.21	0.08	0.05
0.50	0.03	0.00	0.00	3.10	0.21	0.08	0.05
0.55	0.03	0.00	0.00	3.15	0.22	0.08	0.05
0.60	0.04	0.00	0.00	3.20	0.22	0.08	0.05
0.65	0.04	0.00	0.00	3.25	0.22	0.09	0.05
0.70	0.04	0.00	0.00	3.30	0.23	0.09	0.05
0.75	0.05	0.00	0.00	3.35	0.23	0.09	0.05
0.80	0.05	0.00	0.00	3.40	0.24	0.10	0.05
0.85	0.05	0.00	0.00	3.45	0.24	0.10	0.05
0.90	0.06	0.00	0.01	3.50	0.24	0.10	0.05
0.95	0.06	0.00	0.01	3.55	0.25	0.10	0.05
1.00	0.06	0.00	0.01	3.60	0.25	0.11	0.06
1.05	0.07	0.00	0.01	3.65	0.26	0.11	0.06
1.10	0.07	0.00	0.01	3.70	0.26	0.11	0.06
1.15	0.07	0.00	0.01	3.75	0.26	0.12	0.06
1.20	0.08	0.01	0.02	3.80	0.27	0.12	0.06
1.25	0.08	0.01	0.02	3.85	0.27	0.12	0.06
1.30	0.08	0.01	0.02	3.90	0.28	0.13	0.06
1.35	0.09	0.01	0.02	3.95	0.28	0.13	0.06
1.40	0.09	0.01	0.02	4.00	0.28	0.13	0.06
1.45	0.09	0.01	0.02	4.05	0.29	0.14	0.06
1.50	0.10	0.01	0.02	4.10	0.29	0.14	0.06
1.55	0.10	0.01	0.02	4.15	0.30	0.14	0.06
1.60	0.10	0.01	0.02	4.20	0.30	0.15	0.06
1.65	0.11	0.02	0.03	4.25	0.31	0.15	0.06
1.70	0.11	0.02	0.03	4.30	0.31	0.15	0.06
1.75	0.11	0.02	0.03	4.35	0.31	0.16	0.06
1.80	0.12	0.02	0.03	4.40	0.32	0.16	0.06
1.85	0.12	0.02	0.03	4.45	0.32	0.16	0.06
1.90	0.12	0.02	0.03	4.50	0.33	0.17	0.06
1.95	0.13	0.03	0.03	4.55	0.33	0.17	0.06
2.00	0.13	0.03	0.03	4.60	0.33	0.17	0.07
2.05	0.13	0.03	0.03	4.65	0.34	0.18	0.07
2.10	0.14	0.03	0.03	4.70	0.34	0.18	0.07
2.15	0.14	0.03	0.04	4.75	0.35	0.18	0.07
2.20	0.15	0.04	0.04	4.80	0.35	0.19	0.07
2.25	0.15	0.04	0.04	4.85	0.36	0.19	0.07
2.30	0.15	0.04	0.04	4.90	0.36	0.20	0.07
2.35	0.16	0.04	0.04	4.95	0.37	0.20	0.07
2.40	0.16	0.04	0.04	5.00	0.37	0.20	0.07
2.45	0.16	0.05	0.04	5.05	0.37	0.21	0.07
2.50	0.17	0.05	0.04	5.10	0.38	0.21	0.07
2.55	0.17	0.05	0.04	5.15	0.38	0.21	0.07

Hydrograph for Subcatchment 49I: PDA-49 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.22	0.07	7.80	0.67	0.47	0.12
5.25	0.39	0.22	0.07	7.85	0.68	0.48	0.12
5.30	0.40	0.23	0.07	7.90	0.68	0.49	0.12
5.35	0.40	0.23	0.07	7.95	0.69	0.49	0.12
5.40	0.41	0.23	0.07	8.00	0.70	0.50	0.12
5.45	0.41	0.24	0.07	8.05	0.70	0.51	0.12
5.50	0.41	0.24	0.07	8.10	0.71	0.51	0.12
5.55	0.42	0.25	0.07	8.15	0.72	0.52	0.12
5.60	0.42	0.25	0.07	8.20	0.72	0.53	0.13
5.65	0.43	0.25	0.07	8.25	0.73	0.53	0.13
5.70	0.43	0.26	0.07	8.30	0.74	0.54	0.13
5.75	0.44	0.26	0.07	8.35	0.75	0.55	0.13
5.80	0.44	0.27	0.08	8.40	0.75	0.55	0.13
5.85	0.45	0.27	0.08	8.45	0.76	0.56	0.13
5.90	0.45	0.27	0.08	8.50	0.77	0.57	0.13
5.95	0.46	0.28	0.08	8.55	0.78	0.58	0.13
6.00	0.46	0.28	0.08	8.60	0.78	0.58	0.13
6.05	0.47	0.29	0.08	8.65	0.79	0.59	0.14
6.10	0.47	0.29	0.08	8.70	0.80	0.60	0.14
6.15	0.47	0.30	0.08	8.75	0.81	0.61	0.14
6.20	0.48	0.30	0.08	8.80	0.82	0.61	0.14
6.25	0.48	0.30	0.08	8.85	0.82	0.62	0.14
6.30	0.49	0.31	0.08	8.90	0.83	0.63	0.14
6.35	0.50	0.31	0.08	8.95	0.84	0.64	0.14
6.40	0.50	0.32	0.09	9.00	0.85	0.64	0.14
6.45	0.51	0.32	0.09	9.05	0.86	0.65	0.15
6.50	0.51	0.33	0.09	9.10	0.87	0.66	0.15
6.55	0.52	0.33	0.09	9.15	0.87	0.67	0.15
6.60	0.52	0.34	0.09	9.20	0.88	0.68	0.16
6.65	0.53	0.34	0.09	9.25	0.89	0.69	0.16
6.70	0.53	0.35	0.09	9.30	0.90	0.70	0.17
6.75	0.54	0.35	0.09	9.35	0.91	0.71	0.17
6.80	0.54	0.36	0.09	9.40	0.92	0.72	0.17
6.85	0.55	0.36	0.09	9.45	0.93	0.73	0.18
6.90	0.56	0.37	0.10	9.50	0.94	0.74	0.18
6.95	0.56	0.37	0.10	9.55	0.95	0.75	0.19
7.00	0.57	0.38	0.10	9.60	0.96	0.76	0.19
7.05	0.57	0.38	0.10	9.65	0.98	0.77	0.19
7.10	0.58	0.39	0.10	9.70	0.99	0.78	0.20
7.15	0.58	0.40	0.10	9.75	1.00	0.79	0.20
7.20	0.59	0.40	0.10	9.80	1.01	0.80	0.21
7.25	0.60	0.41	0.10	9.85	1.02	0.81	0.21
7.30	0.60	0.41	0.10	9.90	1.03	0.82	0.21
7.35	0.61	0.42	0.11	9.95	1.05	0.84	0.22
7.40	0.62	0.42	0.11	10.00	1.06	0.85	0.22
7.45	0.62	0.43	0.11	10.05	1.07	0.86	0.23
7.50	0.63	0.44	0.11	10.10	1.09	0.87	0.23
7.55	0.64	0.44	0.11	10.15	1.10	0.89	0.23
7.60	0.64	0.45	0.11	10.20	1.11	0.90	0.24
7.65	0.65	0.45	0.11	10.25	1.13	0.91	0.24
7.70	0.65	0.46	0.11	10.30	1.14	0.93	0.25
7.75	0.66	0.47	0.12	10.35	1.15	0.94	0.25

Hydrograph for Subcatchment 49I: PDA-49 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.95	0.25	13.00	4.42	4.18	0.49
10.45	1.18	0.97	0.26	13.05	4.44	4.20	0.46
10.50	1.20	0.98	0.26	13.10	4.46	4.23	0.43
10.55	1.21	1.00	0.27	13.15	4.48	4.25	0.41
10.60	1.23	1.02	0.29	13.20	4.50	4.27	0.40
10.65	1.25	1.03	0.30	13.25	4.52	4.29	0.38
10.70	1.27	1.05	0.32	13.30	4.54	4.31	0.37
10.75	1.29	1.07	0.33	13.35	4.56	4.33	0.35
10.80	1.31	1.09	0.35	13.40	4.58	4.34	0.34
10.85	1.33	1.11	0.37	13.45	4.60	4.36	0.32
10.90	1.35	1.13	0.38	13.50	4.61	4.38	0.31
10.95	1.37	1.15	0.40	13.55	4.63	4.39	0.29
11.00	1.39	1.18	0.41	13.60	4.64	4.41	0.27
11.05	1.42	1.20	0.44	13.65	4.66	4.42	0.27
11.10	1.45	1.23	0.47	13.70	4.67	4.43	0.26
11.15	1.48	1.26	0.49	13.75	4.68	4.45	0.26
11.20	1.51	1.29	0.52	13.80	4.70	4.46	0.25
11.25	1.54	1.32	0.55	13.85	4.71	4.48	0.25
11.30	1.57	1.35	0.58	13.90	4.72	4.49	0.25
11.35	1.61	1.38	0.61	13.95	4.74	4.50	0.24
11.40	1.64	1.42	0.64	14.00	4.75	4.51	0.24
11.45	1.68	1.46	0.66	14.05	4.76	4.53	0.24
11.50	1.72	1.49	0.68	14.10	4.78	4.54	0.23
11.55	1.78	1.55	0.82	14.15	4.79	4.55	0.23
11.60	1.83	1.61	1.01	14.20	4.80	4.56	0.22
11.65	1.90	1.67	1.08	14.25	4.81	4.57	0.22
11.70	1.96	1.73	1.12	14.30	4.82	4.59	0.21
11.75	2.04	1.82	1.27	14.35	4.83	4.60	0.21
11.80	2.13	1.90	1.49	14.40	4.85	4.61	0.21
11.85	2.25	2.02	1.74	14.45	4.86	4.62	0.20
11.90	2.36	2.13	2.07	14.50	4.87	4.63	0.20
11.95	2.57	2.34	2.67	14.55	4.88	4.64	0.20
12.00	2.77	2.54	3.50	14.60	4.89	4.65	0.19
12.05	3.11	2.88	4.54	14.65	4.90	4.66	0.19
12.10	3.45	3.21	**5.82**	14.70	4.91	4.67	0.18
12.15	3.56	3.33	4.76	14.75	4.92	4.68	0.18
12.20	3.68	3.45	2.75	14.80	4.93	4.69	0.18
12.25	3.77	3.53	2.06	14.85	4.94	4.70	0.17
12.30	3.85	3.62	1.66	14.90	4.94	4.71	0.17
12.35	3.91	3.68	1.43	14.95	4.95	4.72	0.16
12.40	3.98	3.74	1.20	15.00	4.96	4.72	0.16
12.45	4.03	3.80	1.13	15.05	4.97	4.73	0.16
12.50	4.09	3.86	1.09	15.10	4.98	4.74	0.15
12.55	4.13	3.90	0.95	15.15	4.99	4.75	0.15
12.60	4.17	3.93	0.75	15.20	4.99	4.76	0.15
12.65	4.20	3.97	0.69	15.25	5.00	4.76	0.15
12.70	4.24	4.00	0.66	15.30	5.01	4.77	0.15
12.75	4.27	4.04	0.63	15.35	5.02	4.78	0.14
12.80	4.30	4.07	0.60	15.40	5.03	4.79	0.14
12.85	4.33	4.10	0.58	15.45	5.03	4.80	0.14
12.90	4.36	4.13	0.55	15.50	5.04	4.80	0.14
12.95	4.39	4.15	0.52	15.55	5.05	4.81	0.14

Hydrograph for Subcatchment 49I: PDA-49 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	4.82	0.14	18.20	5.37	5.13	0.09
15.65	5.06	4.83	0.14	18.25	5.37	5.14	0.09
15.70	5.07	4.83	0.14	18.30	5.38	5.14	0.09
15.75	5.08	4.84	0.14	18.35	5.38	5.14	0.08
15.80	5.09	4.85	0.13	18.40	5.39	5.15	0.08
15.85	5.09	4.86	0.13	18.45	5.39	5.15	0.08
15.90	5.10	4.86	0.13	18.50	5.40	5.16	0.08
15.95	5.11	4.87	0.13	18.55	5.40	5.16	0.08
16.00	5.11	4.88	0.13	18.60	5.40	5.17	0.08
16.05	5.12	4.88	0.13	18.65	5.41	5.17	0.08
16.10	5.13	4.89	0.13	18.70	5.41	5.18	0.08
16.15	5.13	4.90	0.13	18.75	5.42	5.18	0.08
16.20	5.14	4.90	0.13	18.80	5.42	5.19	0.08
16.25	5.15	4.91	0.13	18.85	5.43	5.19	0.08
16.30	5.16	4.92	0.12	18.90	5.43	5.19	0.08
16.35	5.16	4.92	0.12	18.95	5.44	5.20	0.08
16.40	5.17	4.93	0.12	19.00	5.44	5.20	0.08
16.45	5.17	4.94	0.12	19.05	5.44	5.21	0.08
16.50	5.18	4.94	0.12	19.10	5.45	5.21	0.08
16.55	5.19	4.95	0.12	19.15	5.45	5.22	0.08
16.60	5.19	4.96	0.12	19.20	5.46	5.22	0.08
16.65	5.20	4.96	0.12	19.25	5.46	5.22	0.08
16.70	5.21	4.97	0.12	19.30	5.47	5.23	0.08
16.75	5.21	4.98	0.12	19.35	5.47	5.23	0.08
16.80	5.22	4.98	0.11	19.40	5.48	5.24	0.08
16.85	5.23	4.99	0.11	19.45	5.48	5.24	0.08
16.90	5.23	4.99	0.11	19.50	5.48	5.25	0.08
16.95	5.24	5.00	0.11	19.55	5.49	5.25	0.08
17.00	5.24	5.01	0.11	19.60	5.49	5.25	0.08
17.05	5.25	5.01	0.11	19.65	5.50	5.26	0.08
17.10	5.25	5.02	0.11	19.70	5.50	5.26	0.08
17.15	5.26	5.02	0.11	19.75	5.50	5.27	0.08
17.20	5.27	5.03	0.11	19.80	5.51	5.27	0.08
17.25	5.27	5.03	0.10	19.85	5.51	5.28	0.08
17.30	5.28	5.04	0.10	19.90	5.52	5.28	0.08
17.35	5.28	5.05	0.10	19.95	5.52	5.28	0.08
17.40	5.29	5.05	0.10	20.00	5.53	5.29	0.08
17.45	5.29	5.06	0.10	20.05	5.53	5.29	0.08
17.50	5.30	5.06	0.10	20.10	5.53	5.30	0.08
17.55	5.30	5.07	0.10	20.15	5.54	5.30	0.08
17.60	5.31	5.07	0.10	20.20	5.54	5.30	0.07
17.65	5.31	5.08	0.10	20.25	5.55	5.31	0.07
17.70	5.32	5.08	0.09	20.30	5.55	5.31	0.07
17.75	5.33	5.09	0.09	20.35	5.55	5.32	0.07
17.80	5.33	5.09	0.09	20.40	5.56	5.32	0.07
17.85	5.34	5.10	0.09	20.45	5.56	5.32	0.07
17.90	5.34	5.10	0.09	20.50	5.57	5.33	0.07
17.95	5.34	5.11	0.09	20.55	5.57	5.33	0.07
18.00	5.35	5.11	0.09	20.60	5.57	5.34	0.07
18.05	5.35	5.12	0.09	20.65	5.58	5.34	0.07
18.10	5.36	5.12	0.09	20.70	5.58	5.34	0.07
18.15	5.36	5.13	0.09	20.75	5.59	5.35	0.07

Hydrograph for Subcatchment 49I: PDA-49 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	5.35	0.07	23.40	5.77	5.53	0.06
20.85	5.59	5.36	0.07	23.45	5.78	5.54	0.06
20.90	5.60	5.36	0.07	23.50	5.78	5.54	0.06
20.95	5.60	5.36	0.07	23.55	5.78	5.54	0.06
21.00	5.61	5.37	0.07	23.60	5.78	5.55	0.06
21.05	5.61	5.37	0.07	23.65	5.79	5.55	0.06
21.10	5.61	5.37	0.07	23.70	5.79	5.55	0.06
21.15	5.62	5.38	0.07	23.75	5.79	5.56	0.06
21.20	5.62	5.38	0.07	23.80	5.80	5.56	0.06
21.25	5.62	5.39	0.07	23.85	5.80	5.56	0.06
21.30	5.63	5.39	0.07	23.90	5.80	5.56	0.06
21.35	5.63	5.39	0.07	23.95	5.81	5.57	0.06
21.40	5.64	5.40	0.07	24.00	**5.81**	**5.57**	0.07
21.45	5.64	5.40	0.07	24.05	5.81	5.57	0.04
21.50	5.64	5.40	0.07	24.10	5.81	5.57	0.01
21.55	5.65	5.41	0.07	24.15	5.81	5.57	0.00
21.60	5.65	5.41	0.07	24.20	5.81	5.57	0.00
21.65	5.65	5.42	0.07	24.25	5.81	5.57	0.00
21.70	5.66	5.42	0.07	24.30	5.81	5.57	0.00
21.75	5.66	5.42	0.07	24.35	5.81	5.57	0.00
21.80	5.66	5.43	0.07	24.40	5.81	5.57	0.00
21.85	5.67	5.43	0.07	24.45	5.81	5.57	0.00
21.90	5.67	5.43	0.07	24.50	5.81	5.57	0.00
21.95	5.68	5.44	0.07	24.55	5.81	5.57	0.00
22.00	5.68	5.44	0.07	24.60	5.81	5.57	0.00
22.05	5.68	5.44	0.07	24.65	5.81	5.57	0.00
22.10	5.69	5.45	0.06	24.70	5.81	5.57	0.00
22.15	5.69	5.45	0.06	24.75	5.81	5.57	0.00
22.20	5.69	5.45	0.06	24.80	5.81	5.57	0.00
22.25	5.70	5.46	0.06	24.85	5.81	5.57	0.00
22.30	5.70	5.46	0.06	24.90	5.81	5.57	0.00
22.35	5.70	5.47	0.06	24.95	5.81	5.57	0.00
22.40	5.71	5.47	0.06	25.00	5.81	5.57	0.00
22.45	5.71	5.47	0.06	25.05	5.81	5.57	0.00
22.50	5.71	5.48	0.06	25.10	5.81	5.57	0.00
22.55	5.72	5.48	0.06	25.15	5.81	5.57	0.00
22.60	5.72	5.48	0.06	25.20	5.81	5.57	0.00
22.65	5.72	5.49	0.06	25.25	5.81	5.57	0.00
22.70	5.73	5.49	0.06	25.30	5.81	5.57	0.00
22.75	5.73	5.49	0.06	25.35	5.81	5.57	0.00
22.80	5.73	5.50	0.06	25.40	5.81	5.57	0.00
22.85	5.74	5.50	0.06	25.45	5.81	5.57	0.00
22.90	5.74	5.50	0.06	25.50	5.81	5.57	0.00
22.95	5.74	5.51	0.06	25.55	5.81	5.57	0.00
23.00	5.75	5.51	0.06	25.60	5.81	5.57	0.00
23.05	5.75	5.51	0.06	25.65	5.81	5.57	0.00
23.10	5.75	5.52	0.06	25.70	5.81	5.57	0.00
23.15	5.76	5.52	0.06	25.75	5.81	5.57	0.00
23.20	5.76	5.52	0.06	25.80	5.81	5.57	0.00
23.25	5.76	5.52	0.06	25.85	5.81	5.57	0.00
23.30	5.77	5.53	0.06	25.90	5.81	5.57	0.00
23.35	5.77	5.53	0.06	25.95	5.81	5.57	0.00

Hydrograph for Subcatchment 49I: PDA-49 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	5.57	0.00	28.60	5.81	5.57	0.00
26.05	5.81	5.57	0.00	28.65	5.81	5.57	0.00
26.10	5.81	5.57	0.00	28.70	5.81	5.57	0.00
26.15	5.81	5.57	0.00	28.75	5.81	5.57	0.00
26.20	5.81	5.57	0.00	28.80	5.81	5.57	0.00
26.25	5.81	5.57	0.00	28.85	5.81	5.57	0.00
26.30	5.81	5.57	0.00	28.90	5.81	5.57	0.00
26.35	5.81	5.57	0.00	28.95	5.81	5.57	0.00
26.40	5.81	5.57	0.00	29.00	5.81	5.57	0.00
26.45	5.81	5.57	0.00	29.05	5.81	5.57	0.00
26.50	5.81	5.57	0.00	29.10	5.81	5.57	0.00
26.55	5.81	5.57	0.00	29.15	5.81	5.57	0.00
26.60	5.81	5.57	0.00	29.20	5.81	5.57	0.00
26.65	5.81	5.57	0.00	29.25	5.81	5.57	0.00
26.70	5.81	5.57	0.00	29.30	5.81	5.57	0.00
26.75	5.81	5.57	0.00	29.35	5.81	5.57	0.00
26.80	5.81	5.57	0.00	29.40	5.81	5.57	0.00
26.85	5.81	5.57	0.00	29.45	5.81	5.57	0.00
26.90	5.81	5.57	0.00	29.50	5.81	5.57	0.00
26.95	5.81	5.57	0.00	29.55	5.81	5.57	0.00
27.00	5.81	5.57	0.00	29.60	5.81	5.57	0.00
27.05	5.81	5.57	0.00	29.65	5.81	5.57	0.00
27.10	5.81	5.57	0.00	29.70	5.81	5.57	0.00
27.15	5.81	5.57	0.00	29.75	5.81	5.57	0.00
27.20	5.81	5.57	0.00	29.80	5.81	5.57	0.00
27.25	5.81	5.57	0.00	29.85	5.81	5.57	0.00
27.30	5.81	5.57	0.00	29.90	5.81	5.57	0.00
27.35	5.81	5.57	0.00	29.95	5.81	5.57	0.00
27.40	5.81	5.57	0.00	30.00	5.81	5.57	0.00
27.45	5.81	5.57	0.00	30.05	5.81	5.57	0.00
27.50	5.81	5.57	0.00	30.10	5.81	5.57	0.00
27.55	5.81	5.57	0.00	30.15	5.81	5.57	0.00
27.60	5.81	5.57	0.00	30.20	5.81	5.57	0.00
27.65	5.81	5.57	0.00	30.25	5.81	5.57	0.00
27.70	5.81	5.57	0.00	30.30	5.81	5.57	0.00
27.75	5.81	5.57	0.00	30.35	5.81	5.57	0.00
27.80	5.81	5.57	0.00	30.40	5.81	5.57	0.00
27.85	5.81	5.57	0.00	30.45	5.81	5.57	0.00
27.90	5.81	5.57	0.00	30.50	5.81	5.57	0.00
27.95	5.81	5.57	0.00	30.55	5.81	5.57	0.00
28.00	5.81	5.57	0.00	30.60	5.81	5.57	0.00
28.05	5.81	5.57	0.00	30.65	5.81	5.57	0.00
28.10	5.81	5.57	0.00	30.70	5.81	5.57	0.00
28.15	5.81	5.57	0.00	30.75	5.81	5.57	0.00
28.20	5.81	5.57	0.00	30.80	5.81	5.57	0.00
28.25	5.81	5.57	0.00	30.85	5.81	5.57	0.00
28.30	5.81	5.57	0.00	30.90	5.81	5.57	0.00
28.35	5.81	5.57	0.00	30.95	5.81	5.57	0.00
28.40	5.81	5.57	0.00	31.00	5.81	5.57	0.00
28.45	5.81	5.57	0.00	31.05	5.81	5.57	0.00
28.50	5.81	5.57	0.00	31.10	5.81	5.57	0.00
28.55	5.81	5.57	0.00	31.15	5.81	5.57	0.00

Hydrograph for Subcatchment 49I: PDA-49 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	5.57	0.00	33.80	5.81	5.57	0.00
31.25	5.81	5.57	0.00	33.85	5.81	5.57	0.00
31.30	5.81	5.57	0.00	33.90	5.81	5.57	0.00
31.35	5.81	5.57	0.00	33.95	5.81	5.57	0.00
31.40	5.81	5.57	0.00	34.00	5.81	5.57	0.00
31.45	5.81	5.57	0.00	34.05	5.81	5.57	0.00
31.50	5.81	5.57	0.00	34.10	5.81	5.57	0.00
31.55	5.81	5.57	0.00	34.15	5.81	5.57	0.00
31.60	5.81	5.57	0.00	34.20	5.81	5.57	0.00
31.65	5.81	5.57	0.00	34.25	5.81	5.57	0.00
31.70	5.81	5.57	0.00	34.30	5.81	5.57	0.00
31.75	5.81	5.57	0.00	34.35	5.81	5.57	0.00
31.80	5.81	5.57	0.00	34.40	5.81	5.57	0.00
31.85	5.81	5.57	0.00	34.45	5.81	5.57	0.00
31.90	5.81	5.57	0.00	34.50	5.81	5.57	0.00
31.95	5.81	5.57	0.00	34.55	5.81	5.57	0.00
32.00	5.81	5.57	0.00	34.60	5.81	5.57	0.00
32.05	5.81	5.57	0.00	34.65	5.81	5.57	0.00
32.10	5.81	5.57	0.00	34.70	5.81	5.57	0.00
32.15	5.81	5.57	0.00	34.75	5.81	5.57	0.00
32.20	5.81	5.57	0.00	34.80	5.81	5.57	0.00
32.25	5.81	5.57	0.00	34.85	5.81	5.57	0.00
32.30	5.81	5.57	0.00	34.90	5.81	5.57	0.00
32.35	5.81	5.57	0.00	34.95	5.81	5.57	0.00
32.40	5.81	5.57	0.00	35.00	5.81	5.57	0.00
32.45	5.81	5.57	0.00	35.05	5.81	5.57	0.00
32.50	5.81	5.57	0.00	35.10	5.81	5.57	0.00
32.55	5.81	5.57	0.00	35.15	5.81	5.57	0.00
32.60	5.81	5.57	0.00	35.20	5.81	5.57	0.00
32.65	5.81	5.57	0.00	35.25	5.81	5.57	0.00
32.70	5.81	5.57	0.00	35.30	5.81	5.57	0.00
32.75	5.81	5.57	0.00	35.35	5.81	5.57	0.00
32.80	5.81	5.57	0.00	35.40	5.81	5.57	0.00
32.85	5.81	5.57	0.00	35.45	5.81	5.57	0.00
32.90	5.81	5.57	0.00	35.50	5.81	5.57	0.00
32.95	5.81	5.57	0.00	35.55	5.81	5.57	0.00
33.00	5.81	5.57	0.00	35.60	5.81	5.57	0.00
33.05	5.81	5.57	0.00	35.65	5.81	5.57	0.00
33.10	5.81	5.57	0.00	35.70	5.81	5.57	0.00
33.15	5.81	5.57	0.00	35.75	5.81	5.57	0.00
33.20	5.81	5.57	0.00	35.80	5.81	5.57	0.00
33.25	5.81	5.57	0.00	35.85	5.81	5.57	0.00
33.30	5.81	5.57	0.00	35.90	5.81	5.57	0.00
33.35	5.81	5.57	0.00	35.95	5.81	5.57	0.00
33.40	5.81	5.57	0.00	36.00	5.81	5.57	0.00
33.45	5.81	5.57	0.00	36.05	5.81	5.57	0.00
33.50	5.81	5.57	0.00	36.10	5.81	5.57	0.00
33.55	5.81	5.57	0.00	36.15	5.81	5.57	0.00
33.60	5.81	5.57	0.00	36.20	5.81	5.57	0.00
33.65	5.81	5.57	0.00	36.25	5.81	5.57	0.00
33.70	5.81	5.57	0.00	36.30	5.81	5.57	0.00
33.75	5.81	5.57	0.00	36.35	5.81	5.57	0.00

Hydrograph for Subcatchment 49I: PDA-49 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	5.57	0.00
36.45	5.81	5.57	0.00
36.50	5.81	5.57	0.00
36.55	5.81	5.57	0.00
36.60	5.81	5.57	0.00
36.65	5.81	5.57	0.00
36.70	5.81	5.57	0.00
36.75	5.81	5.57	0.00
36.80	5.81	5.57	0.00
36.85	5.81	5.57	0.00
36.90	5.81	5.57	0.00
36.95	5.81	5.57	0.00
37.00	5.81	5.57	0.00
37.05	5.81	5.57	0.00
37.10	5.81	5.57	0.00
37.15	5.81	5.57	0.00
37.20	5.81	5.57	0.00
37.25	5.81	5.57	0.00
37.30	5.81	5.57	0.00
37.35	5.81	5.57	0.00
37.40	5.81	5.57	0.00
37.45	5.81	5.57	0.00
37.50	5.81	5.57	0.00
37.55	5.81	5.57	0.00
37.60	5.81	5.57	0.00
37.65	5.81	5.57	0.00
37.70	5.81	5.57	0.00
37.75	5.81	5.57	0.00
37.80	5.81	5.57	0.00
37.85	5.81	5.57	0.00
37.90	5.81	5.57	0.00
37.95	5.81	5.57	0.00
38.00	5.81	5.57	0.00
38.05	5.81	5.57	0.00
38.10	5.81	5.57	0.00
38.15	5.81	5.57	0.00
38.20	5.81	5.57	0.00
38.25	5.81	5.57	0.00
38.30	5.81	5.57	0.00
38.35	5.81	5.57	0.00
38.40	5.81	5.57	0.00
38.45	5.81	5.57	0.00
38.50	5.81	5.57	0.00
38.55	5.81	5.57	0.00
38.60	5.81	5.57	0.00
38.65	5.81	5.57	0.00
38.70	5.81	5.57	0.00
38.75	5.81	5.57	0.00
38.80	5.81	5.57	0.00
38.85	5.81	5.57	0.00
38.90	5.81	5.57	0.00
38.95	5.81	5.57	0.00
39.00	5.81	5.57	0.00
39.05	5.81	5.57	0.00
39.10	5.81	5.57	0.00
39.15	5.81	5.57	0.00
39.20	5.81	5.57	0.00
39.25	5.81	5.57	0.00
39.30	5.81	5.57	0.00
39.35	5.81	5.57	0.00
39.40	5.81	5.57	0.00
39.45	5.81	5.57	0.00
39.50	5.81	5.57	0.00
39.55	5.81	5.57	0.00
39.60	5.81	5.57	0.00
39.65	5.81	5.57	0.00
39.70	5.81	5.57	0.00
39.75	5.81	5.57	0.00
39.80	5.81	5.57	0.00
39.85	5.81	5.57	0.00
39.90	5.81	5.57	0.00
39.95	5.81	5.57	0.00
40.00	5.81	5.57	0.00

Summary for Subcatchment 49P: PDA-49 (pervious)

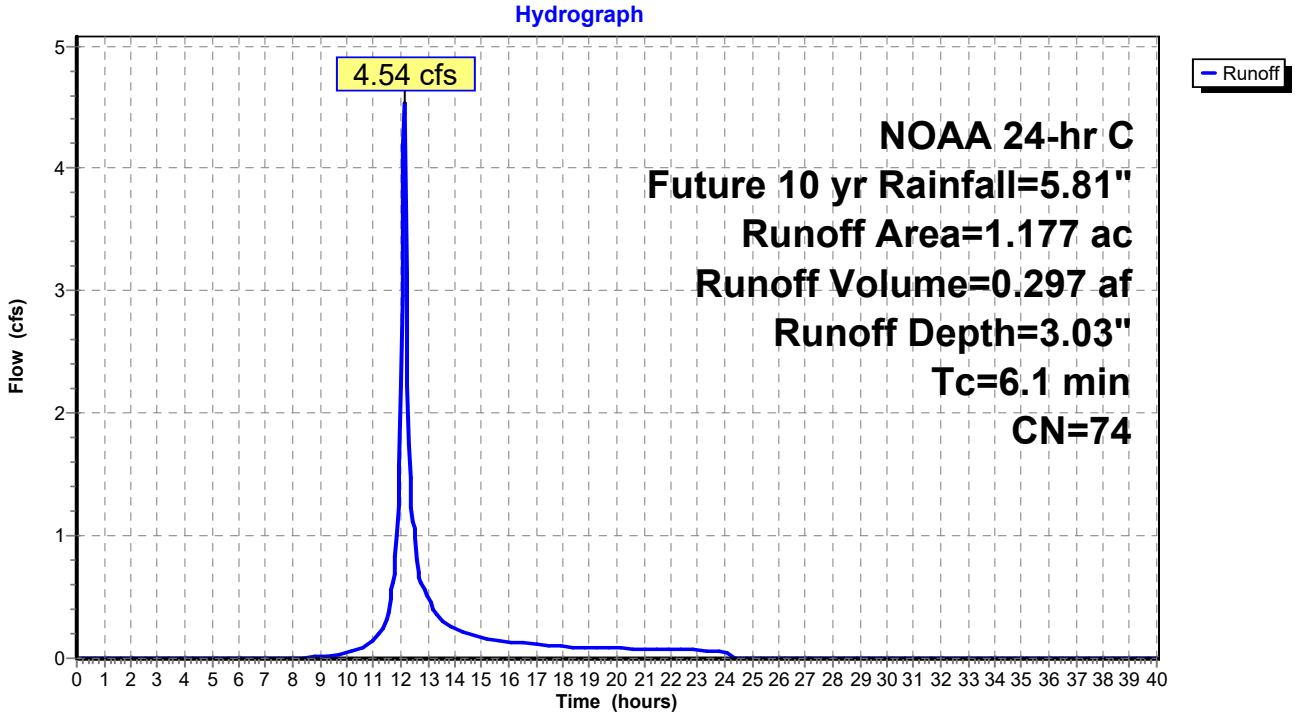
Runoff = 4.54 cfs @ 12.13 hrs, Volume= 0.297 af, Depth= 3.03"
Routed to Pond B-49 : Basin #49

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
1.177	74	>75% Grass cover, Good, HSG C
1.177		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.1					**Direct Entry,**

Subcatchment 49P: PDA-49 (pervious)



Hydrograph for Subcatchment 49P: PDA-49 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment 49P: PDA-49 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.00
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.00
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.01
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.01
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.01
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.01
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.01
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.01
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.01
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.01
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.01
6.35	0.50	0.00	0.00	8.95	0.84	0.01	0.01
6.40	0.50	0.00	0.00	9.00	0.85	0.01	0.01
6.45	0.51	0.00	0.00	9.05	0.86	0.01	0.01
6.50	0.51	0.00	0.00	9.10	0.87	0.01	0.02
6.55	0.52	0.00	0.00	9.15	0.87	0.01	0.02
6.60	0.52	0.00	0.00	9.20	0.88	0.01	0.02
6.65	0.53	0.00	0.00	9.25	0.89	0.01	0.02
6.70	0.53	0.00	0.00	9.30	0.90	0.01	0.02
6.75	0.54	0.00	0.00	9.35	0.91	0.01	0.02
6.80	0.54	0.00	0.00	9.40	0.92	0.01	0.02
6.85	0.55	0.00	0.00	9.45	0.93	0.01	0.03
6.90	0.56	0.00	0.00	9.50	0.94	0.02	0.03
6.95	0.56	0.00	0.00	9.55	0.95	0.02	0.03
7.00	0.57	0.00	0.00	9.60	0.96	0.02	0.03
7.05	0.57	0.00	0.00	9.65	0.98	0.02	0.03
7.10	0.58	0.00	0.00	9.70	0.99	0.02	0.04
7.15	0.58	0.00	0.00	9.75	1.00	0.02	0.04
7.20	0.59	0.00	0.00	9.80	1.01	0.02	0.04
7.25	0.60	0.00	0.00	9.85	1.02	0.03	0.04
7.30	0.60	0.00	0.00	9.90	1.03	0.03	0.04
7.35	0.61	0.00	0.00	9.95	1.05	0.03	0.05
7.40	0.62	0.00	0.00	10.00	1.06	0.03	0.05
7.45	0.62	0.00	0.00	10.05	1.07	0.04	0.05
7.50	0.63	0.00	0.00	10.10	1.09	0.04	0.05
7.55	0.64	0.00	0.00	10.15	1.10	0.04	0.06
7.60	0.64	0.00	0.00	10.20	1.11	0.04	0.06
7.65	0.65	0.00	0.00	10.25	1.13	0.05	0.06
7.70	0.65	0.00	0.00	10.30	1.14	0.05	0.06
7.75	0.66	0.00	0.00	10.35	1.15	0.05	0.07

Hydrograph for Subcatchment 49P: PDA-49 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.05	0.07	13.00	4.42	1.91	0.50
10.45	1.18	0.06	0.07	13.05	4.44	1.93	0.47
10.50	1.20	0.06	0.08	13.10	4.46	1.94	0.44
10.55	1.21	0.06	0.08	13.15	4.48	1.96	0.42
10.60	1.23	0.07	0.09	13.20	4.50	1.98	0.40
10.65	1.25	0.07	0.09	13.25	4.52	1.99	0.39
10.70	1.27	0.08	0.10	13.30	4.54	2.01	0.37
10.75	1.29	0.08	0.11	13.35	4.56	2.02	0.36
10.80	1.31	0.09	0.12	13.40	4.58	2.03	0.34
10.85	1.33	0.09	0.12	13.45	4.60	2.05	0.33
10.90	1.35	0.10	0.13	13.50	4.61	2.06	0.31
10.95	1.37	0.11	0.14	13.55	4.63	2.07	0.30
11.00	1.39	0.11	0.15	13.60	4.64	2.08	0.28
11.05	1.42	0.12	0.16	13.65	4.66	2.09	0.27
11.10	1.45	0.13	0.18	13.70	4.67	2.10	0.27
11.15	1.48	0.14	0.19	13.75	4.68	2.12	0.26
11.20	1.51	0.15	0.21	13.80	4.70	2.13	0.26
11.25	1.54	0.16	0.23	13.85	4.71	2.14	0.26
11.30	1.57	0.17	0.25	13.90	4.72	2.15	0.25
11.35	1.61	0.18	0.27	13.95	4.74	2.16	0.25
11.40	1.64	0.20	0.29	14.00	4.75	2.17	0.24
11.45	1.68	0.21	0.31	14.05	4.76	2.18	0.24
11.50	1.72	0.23	0.33	14.10	4.78	2.19	0.24
11.55	1.78	0.25	0.38	14.15	4.79	2.20	0.23
11.60	1.83	0.28	0.49	14.20	4.80	2.21	0.23
11.65	1.90	0.30	0.56	14.25	4.81	2.21	0.23
11.70	1.96	0.33	0.61	14.30	4.82	2.22	0.22
11.75	2.04	0.37	0.69	14.35	4.83	2.23	0.22
11.80	2.13	0.41	0.83	14.40	4.85	2.24	0.21
11.85	2.25	0.47	1.00	14.45	4.86	2.25	0.21
11.90	2.36	0.53	1.24	14.50	4.87	2.26	0.21
11.95	2.57	0.65	1.58	14.55	4.88	2.27	0.20
12.00	2.77	0.77	2.22	14.60	4.89	2.27	0.20
12.05	3.11	0.98	2.97	14.65	4.90	2.28	0.19
12.10	3.45	1.20	4.18	14.70	4.91	2.29	0.19
12.15	3.56	1.28	**4.45**	14.75	4.92	2.30	0.19
12.20	3.68	1.37	3.14	14.80	4.93	2.31	0.18
12.25	3.77	1.43	2.24	14.85	4.94	2.31	0.18
12.30	3.85	1.49	1.74	14.90	4.94	2.32	0.17
12.35	3.91	1.53	1.47	14.95	4.95	2.33	0.17
12.40	3.98	1.58	1.23	15.00	4.96	2.33	0.17
12.45	4.03	1.62	1.11	15.05	4.97	2.34	0.16
12.50	4.09	1.67	1.06	15.10	4.98	2.35	0.16
12.55	4.13	1.69	0.98	15.15	4.99	2.35	0.15
12.60	4.17	1.72	0.81	15.20	4.99	2.36	0.15
12.65	4.20	1.75	0.71	15.25	5.00	2.37	0.15
12.70	4.24	1.77	0.66	15.30	5.01	2.37	0.15
12.75	4.27	1.80	0.63	15.35	5.02	2.38	0.15
12.80	4.30	1.82	0.60	15.40	5.03	2.38	0.15
12.85	4.33	1.85	0.58	15.45	5.03	2.39	0.15
12.90	4.36	1.87	0.55	15.50	5.04	2.40	0.15
12.95	4.39	1.89	0.53	15.55	5.05	2.40	0.15

Hydrograph for Subcatchment 49P: PDA-49 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	2.41	0.14	18.20	5.37	2.66	0.09
15.65	5.06	2.41	0.14	18.25	5.37	2.67	0.09
15.70	5.07	2.42	0.14	18.30	5.38	2.67	0.09
15.75	5.08	2.43	0.14	18.35	5.38	2.67	0.09
15.80	5.09	2.43	0.14	18.40	5.39	2.68	0.09
15.85	5.09	2.44	0.14	18.45	5.39	2.68	0.09
15.90	5.10	2.44	0.14	18.50	5.40	2.68	0.09
15.95	5.11	2.45	0.14	18.55	5.40	2.69	0.09
16.00	5.11	2.46	0.14	18.60	5.40	2.69	0.09
16.05	5.12	2.46	0.14	18.65	5.41	2.69	0.09
16.10	5.13	2.47	0.13	18.70	5.41	2.70	0.09
16.15	5.13	2.47	0.13	18.75	5.42	2.70	0.09
16.20	5.14	2.48	0.13	18.80	5.42	2.71	0.09
16.25	5.15	2.48	0.13	18.85	5.43	2.71	0.09
16.30	5.16	2.49	0.13	18.90	5.43	2.71	0.09
16.35	5.16	2.49	0.13	18.95	5.44	2.72	0.09
16.40	5.17	2.50	0.13	19.00	5.44	2.72	0.09
16.45	5.17	2.50	0.13	19.05	5.44	2.72	0.09
16.50	5.18	2.51	0.13	19.10	5.45	2.73	0.09
16.55	5.19	2.52	0.12	19.15	5.45	2.73	0.09
16.60	5.19	2.52	0.12	19.20	5.46	2.73	0.08
16.65	5.20	2.53	0.12	19.25	5.46	2.74	0.08
16.70	5.21	2.53	0.12	19.30	5.47	2.74	0.08
16.75	5.21	2.54	0.12	19.35	5.47	2.75	0.08
16.80	5.22	2.54	0.12	19.40	5.48	2.75	0.08
16.85	5.23	2.55	0.12	19.45	5.48	2.75	0.08
16.90	5.23	2.55	0.12	19.50	5.48	2.76	0.08
16.95	5.24	2.55	0.12	19.55	5.49	2.76	0.08
17.00	5.24	2.56	0.12	19.60	5.49	2.76	0.08
17.05	5.25	2.56	0.11	19.65	5.50	2.77	0.08
17.10	5.25	2.57	0.11	19.70	5.50	2.77	0.08
17.15	5.26	2.57	0.11	19.75	5.50	2.77	0.08
17.20	5.27	2.58	0.11	19.80	5.51	2.78	0.08
17.25	5.27	2.58	0.11	19.85	5.51	2.78	0.08
17.30	5.28	2.59	0.11	19.90	5.52	2.78	0.08
17.35	5.28	2.59	0.11	19.95	5.52	2.79	0.08
17.40	5.29	2.60	0.11	20.00	5.53	2.79	0.08
17.45	5.29	2.60	0.11	20.05	5.53	2.79	0.08
17.50	5.30	2.61	0.10	20.10	5.53	2.80	0.08
17.55	5.30	2.61	0.10	20.15	5.54	2.80	0.08
17.60	5.31	2.61	0.10	20.20	5.54	2.80	0.08
17.65	5.31	2.62	0.10	20.25	5.55	2.81	0.08
17.70	5.32	2.62	0.10	20.30	5.55	2.81	0.08
17.75	5.33	2.63	0.10	20.35	5.55	2.81	0.08
17.80	5.33	2.63	0.10	20.40	5.56	2.82	0.08
17.85	5.34	2.63	0.10	20.45	5.56	2.82	0.08
17.90	5.34	2.64	0.10	20.50	5.57	2.82	0.08
17.95	5.34	2.64	0.09	20.55	5.57	2.83	0.08
18.00	5.35	2.65	0.09	20.60	5.57	2.83	0.08
18.05	5.35	2.65	0.09	20.65	5.58	2.83	0.08
18.10	5.36	2.65	0.09	20.70	5.58	2.84	0.08
18.15	5.36	2.66	0.09	20.75	5.59	2.84	0.08

Hydrograph for Subcatchment 49P: PDA-49 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.84	0.08	23.40	5.77	2.99	0.06
20.85	5.59	2.85	0.08	23.45	5.78	3.00	0.06
20.90	5.60	2.85	0.08	23.50	5.78	3.00	0.06
20.95	5.60	2.85	0.08	23.55	5.78	3.00	0.06
21.00	5.61	2.86	0.08	23.60	5.78	3.00	0.06
21.05	5.61	2.86	0.08	23.65	5.79	3.01	0.06
21.10	5.61	2.86	0.07	23.70	5.79	3.01	0.06
21.15	5.62	2.87	0.07	23.75	5.79	3.01	0.06
21.20	5.62	2.87	0.07	23.80	5.80	3.01	0.06
21.25	5.62	2.87	0.07	23.85	5.80	3.02	0.06
21.30	5.63	2.87	0.07	23.90	5.80	3.02	0.06
21.35	5.63	2.88	0.07	23.95	5.81	3.02	0.06
21.40	5.64	2.88	0.07	24.00	**5.81**	**3.03**	0.07
21.45	5.64	2.88	0.07	24.05	5.81	3.03	0.06
21.50	5.64	2.89	0.07	24.10	5.81	3.03	0.03
21.55	5.65	2.89	0.07	24.15	5.81	3.03	0.01
21.60	5.65	2.89	0.07	24.20	5.81	3.03	0.00
21.65	5.65	2.90	0.07	24.25	5.81	3.03	0.00
21.70	5.66	2.90	0.07	24.30	5.81	3.03	0.00
21.75	5.66	2.90	0.07	24.35	5.81	3.03	0.00
21.80	5.66	2.90	0.07	24.40	5.81	3.03	0.00
21.85	5.67	2.91	0.07	24.45	5.81	3.03	0.00
21.90	5.67	2.91	0.07	24.50	5.81	3.03	0.00
21.95	5.68	2.91	0.07	24.55	5.81	3.03	0.00
22.00	5.68	2.92	0.07	24.60	5.81	3.03	0.00
22.05	5.68	2.92	0.07	24.65	5.81	3.03	0.00
22.10	5.69	2.92	0.07	24.70	5.81	3.03	0.00
22.15	5.69	2.93	0.07	24.75	5.81	3.03	0.00
22.20	5.69	2.93	0.07	24.80	5.81	3.03	0.00
22.25	5.70	2.93	0.07	24.85	5.81	3.03	0.00
22.30	5.70	2.93	0.07	24.90	5.81	3.03	0.00
22.35	5.70	2.94	0.07	24.95	5.81	3.03	0.00
22.40	5.71	2.94	0.07	25.00	5.81	3.03	0.00
22.45	5.71	2.94	0.07	25.05	5.81	3.03	0.00
22.50	5.71	2.95	0.07	25.10	5.81	3.03	0.00
22.55	5.72	2.95	0.07	25.15	5.81	3.03	0.00
22.60	5.72	2.95	0.07	25.20	5.81	3.03	0.00
22.65	5.72	2.95	0.07	25.25	5.81	3.03	0.00
22.70	5.73	2.96	0.07	25.30	5.81	3.03	0.00
22.75	5.73	2.96	0.07	25.35	5.81	3.03	0.00
22.80	5.73	2.96	0.07	25.40	5.81	3.03	0.00
22.85	5.74	2.96	0.07	25.45	5.81	3.03	0.00
22.90	5.74	2.97	0.06	25.50	5.81	3.03	0.00
22.95	5.74	2.97	0.06	25.55	5.81	3.03	0.00
23.00	5.75	2.97	0.06	25.60	5.81	3.03	0.00
23.05	5.75	2.98	0.06	25.65	5.81	3.03	0.00
23.10	5.75	2.98	0.06	25.70	5.81	3.03	0.00
23.15	5.76	2.98	0.06	25.75	5.81	3.03	0.00
23.20	5.76	2.98	0.06	25.80	5.81	3.03	0.00
23.25	5.76	2.99	0.06	25.85	5.81	3.03	0.00
23.30	5.77	2.99	0.06	25.90	5.81	3.03	0.00
23.35	5.77	2.99	0.06	25.95	5.81	3.03	0.00

Hydrograph for Subcatchment 49P: PDA-49 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	3.03	0.00	28.60	5.81	3.03	0.00
26.05	5.81	3.03	0.00	28.65	5.81	3.03	0.00
26.10	5.81	3.03	0.00	28.70	5.81	3.03	0.00
26.15	5.81	3.03	0.00	28.75	5.81	3.03	0.00
26.20	5.81	3.03	0.00	28.80	5.81	3.03	0.00
26.25	5.81	3.03	0.00	28.85	5.81	3.03	0.00
26.30	5.81	3.03	0.00	28.90	5.81	3.03	0.00
26.35	5.81	3.03	0.00	28.95	5.81	3.03	0.00
26.40	5.81	3.03	0.00	29.00	5.81	3.03	0.00
26.45	5.81	3.03	0.00	29.05	5.81	3.03	0.00
26.50	5.81	3.03	0.00	29.10	5.81	3.03	0.00
26.55	5.81	3.03	0.00	29.15	5.81	3.03	0.00
26.60	5.81	3.03	0.00	29.20	5.81	3.03	0.00
26.65	5.81	3.03	0.00	29.25	5.81	3.03	0.00
26.70	5.81	3.03	0.00	29.30	5.81	3.03	0.00
26.75	5.81	3.03	0.00	29.35	5.81	3.03	0.00
26.80	5.81	3.03	0.00	29.40	5.81	3.03	0.00
26.85	5.81	3.03	0.00	29.45	5.81	3.03	0.00
26.90	5.81	3.03	0.00	29.50	5.81	3.03	0.00
26.95	5.81	3.03	0.00	29.55	5.81	3.03	0.00
27.00	5.81	3.03	0.00	29.60	5.81	3.03	0.00
27.05	5.81	3.03	0.00	29.65	5.81	3.03	0.00
27.10	5.81	3.03	0.00	29.70	5.81	3.03	0.00
27.15	5.81	3.03	0.00	29.75	5.81	3.03	0.00
27.20	5.81	3.03	0.00	29.80	5.81	3.03	0.00
27.25	5.81	3.03	0.00	29.85	5.81	3.03	0.00
27.30	5.81	3.03	0.00	29.90	5.81	3.03	0.00
27.35	5.81	3.03	0.00	29.95	5.81	3.03	0.00
27.40	5.81	3.03	0.00	30.00	5.81	3.03	0.00
27.45	5.81	3.03	0.00	30.05	5.81	3.03	0.00
27.50	5.81	3.03	0.00	30.10	5.81	3.03	0.00
27.55	5.81	3.03	0.00	30.15	5.81	3.03	0.00
27.60	5.81	3.03	0.00	30.20	5.81	3.03	0.00
27.65	5.81	3.03	0.00	30.25	5.81	3.03	0.00
27.70	5.81	3.03	0.00	30.30	5.81	3.03	0.00
27.75	5.81	3.03	0.00	30.35	5.81	3.03	0.00
27.80	5.81	3.03	0.00	30.40	5.81	3.03	0.00
27.85	5.81	3.03	0.00	30.45	5.81	3.03	0.00
27.90	5.81	3.03	0.00	30.50	5.81	3.03	0.00
27.95	5.81	3.03	0.00	30.55	5.81	3.03	0.00
28.00	5.81	3.03	0.00	30.60	5.81	3.03	0.00
28.05	5.81	3.03	0.00	30.65	5.81	3.03	0.00
28.10	5.81	3.03	0.00	30.70	5.81	3.03	0.00
28.15	5.81	3.03	0.00	30.75	5.81	3.03	0.00
28.20	5.81	3.03	0.00	30.80	5.81	3.03	0.00
28.25	5.81	3.03	0.00	30.85	5.81	3.03	0.00
28.30	5.81	3.03	0.00	30.90	5.81	3.03	0.00
28.35	5.81	3.03	0.00	30.95	5.81	3.03	0.00
28.40	5.81	3.03	0.00	31.00	5.81	3.03	0.00
28.45	5.81	3.03	0.00	31.05	5.81	3.03	0.00
28.50	5.81	3.03	0.00	31.10	5.81	3.03	0.00
28.55	5.81	3.03	0.00	31.15	5.81	3.03	0.00

Hydrograph for Subcatchment 49P: PDA-49 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	3.03	0.00	33.80	5.81	3.03	0.00
31.25	5.81	3.03	0.00	33.85	5.81	3.03	0.00
31.30	5.81	3.03	0.00	33.90	5.81	3.03	0.00
31.35	5.81	3.03	0.00	33.95	5.81	3.03	0.00
31.40	5.81	3.03	0.00	34.00	5.81	3.03	0.00
31.45	5.81	3.03	0.00	34.05	5.81	3.03	0.00
31.50	5.81	3.03	0.00	34.10	5.81	3.03	0.00
31.55	5.81	3.03	0.00	34.15	5.81	3.03	0.00
31.60	5.81	3.03	0.00	34.20	5.81	3.03	0.00
31.65	5.81	3.03	0.00	34.25	5.81	3.03	0.00
31.70	5.81	3.03	0.00	34.30	5.81	3.03	0.00
31.75	5.81	3.03	0.00	34.35	5.81	3.03	0.00
31.80	5.81	3.03	0.00	34.40	5.81	3.03	0.00
31.85	5.81	3.03	0.00	34.45	5.81	3.03	0.00
31.90	5.81	3.03	0.00	34.50	5.81	3.03	0.00
31.95	5.81	3.03	0.00	34.55	5.81	3.03	0.00
32.00	5.81	3.03	0.00	34.60	5.81	3.03	0.00
32.05	5.81	3.03	0.00	34.65	5.81	3.03	0.00
32.10	5.81	3.03	0.00	34.70	5.81	3.03	0.00
32.15	5.81	3.03	0.00	34.75	5.81	3.03	0.00
32.20	5.81	3.03	0.00	34.80	5.81	3.03	0.00
32.25	5.81	3.03	0.00	34.85	5.81	3.03	0.00
32.30	5.81	3.03	0.00	34.90	5.81	3.03	0.00
32.35	5.81	3.03	0.00	34.95	5.81	3.03	0.00
32.40	5.81	3.03	0.00	35.00	5.81	3.03	0.00
32.45	5.81	3.03	0.00	35.05	5.81	3.03	0.00
32.50	5.81	3.03	0.00	35.10	5.81	3.03	0.00
32.55	5.81	3.03	0.00	35.15	5.81	3.03	0.00
32.60	5.81	3.03	0.00	35.20	5.81	3.03	0.00
32.65	5.81	3.03	0.00	35.25	5.81	3.03	0.00
32.70	5.81	3.03	0.00	35.30	5.81	3.03	0.00
32.75	5.81	3.03	0.00	35.35	5.81	3.03	0.00
32.80	5.81	3.03	0.00	35.40	5.81	3.03	0.00
32.85	5.81	3.03	0.00	35.45	5.81	3.03	0.00
32.90	5.81	3.03	0.00	35.50	5.81	3.03	0.00
32.95	5.81	3.03	0.00	35.55	5.81	3.03	0.00
33.00	5.81	3.03	0.00	35.60	5.81	3.03	0.00
33.05	5.81	3.03	0.00	35.65	5.81	3.03	0.00
33.10	5.81	3.03	0.00	35.70	5.81	3.03	0.00
33.15	5.81	3.03	0.00	35.75	5.81	3.03	0.00
33.20	5.81	3.03	0.00	35.80	5.81	3.03	0.00
33.25	5.81	3.03	0.00	35.85	5.81	3.03	0.00
33.30	5.81	3.03	0.00	35.90	5.81	3.03	0.00
33.35	5.81	3.03	0.00	35.95	5.81	3.03	0.00
33.40	5.81	3.03	0.00	36.00	5.81	3.03	0.00
33.45	5.81	3.03	0.00	36.05	5.81	3.03	0.00
33.50	5.81	3.03	0.00	36.10	5.81	3.03	0.00
33.55	5.81	3.03	0.00	36.15	5.81	3.03	0.00
33.60	5.81	3.03	0.00	36.20	5.81	3.03	0.00
33.65	5.81	3.03	0.00	36.25	5.81	3.03	0.00
33.70	5.81	3.03	0.00	36.30	5.81	3.03	0.00
33.75	5.81	3.03	0.00	36.35	5.81	3.03	0.00

Hydrograph for Subcatchment 49P: PDA-49 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	3.03	0.00
36.45	5.81	3.03	0.00
36.50	5.81	3.03	0.00
36.55	5.81	3.03	0.00
36.60	5.81	3.03	0.00
36.65	5.81	3.03	0.00
36.70	5.81	3.03	0.00
36.75	5.81	3.03	0.00
36.80	5.81	3.03	0.00
36.85	5.81	3.03	0.00
36.90	5.81	3.03	0.00
36.95	5.81	3.03	0.00
37.00	5.81	3.03	0.00
37.05	5.81	3.03	0.00
37.10	5.81	3.03	0.00
37.15	5.81	3.03	0.00
37.20	5.81	3.03	0.00
37.25	5.81	3.03	0.00
37.30	5.81	3.03	0.00
37.35	5.81	3.03	0.00
37.40	5.81	3.03	0.00
37.45	5.81	3.03	0.00
37.50	5.81	3.03	0.00
37.55	5.81	3.03	0.00
37.60	5.81	3.03	0.00
37.65	5.81	3.03	0.00
37.70	5.81	3.03	0.00
37.75	5.81	3.03	0.00
37.80	5.81	3.03	0.00
37.85	5.81	3.03	0.00
37.90	5.81	3.03	0.00
37.95	5.81	3.03	0.00
38.00	5.81	3.03	0.00
38.05	5.81	3.03	0.00
38.10	5.81	3.03	0.00
38.15	5.81	3.03	0.00
38.20	5.81	3.03	0.00
38.25	5.81	3.03	0.00
38.30	5.81	3.03	0.00
38.35	5.81	3.03	0.00
38.40	5.81	3.03	0.00
38.45	5.81	3.03	0.00
38.50	5.81	3.03	0.00
38.55	5.81	3.03	0.00
38.60	5.81	3.03	0.00
38.65	5.81	3.03	0.00
38.70	5.81	3.03	0.00
38.75	5.81	3.03	0.00
38.80	5.81	3.03	0.00
38.85	5.81	3.03	0.00
38.90	5.81	3.03	0.00
38.95	5.81	3.03	0.00
39.00	5.81	3.03	0.00
39.05	5.81	3.03	0.00
39.10	5.81	3.03	0.00
39.15	5.81	3.03	0.00
39.20	5.81	3.03	0.00
39.25	5.81	3.03	0.00
39.30	5.81	3.03	0.00
39.35	5.81	3.03	0.00
39.40	5.81	3.03	0.00
39.45	5.81	3.03	0.00
39.50	5.81	3.03	0.00
39.55	5.81	3.03	0.00
39.60	5.81	3.03	0.00
39.65	5.81	3.03	0.00
39.70	5.81	3.03	0.00
39.75	5.81	3.03	0.00
39.80	5.81	3.03	0.00
39.85	5.81	3.03	0.00
39.90	5.81	3.03	0.00
39.95	5.81	3.03	0.00
40.00	5.81	3.03	0.00

Summary for Subcatchment 50l: PDA-50 (impervious)

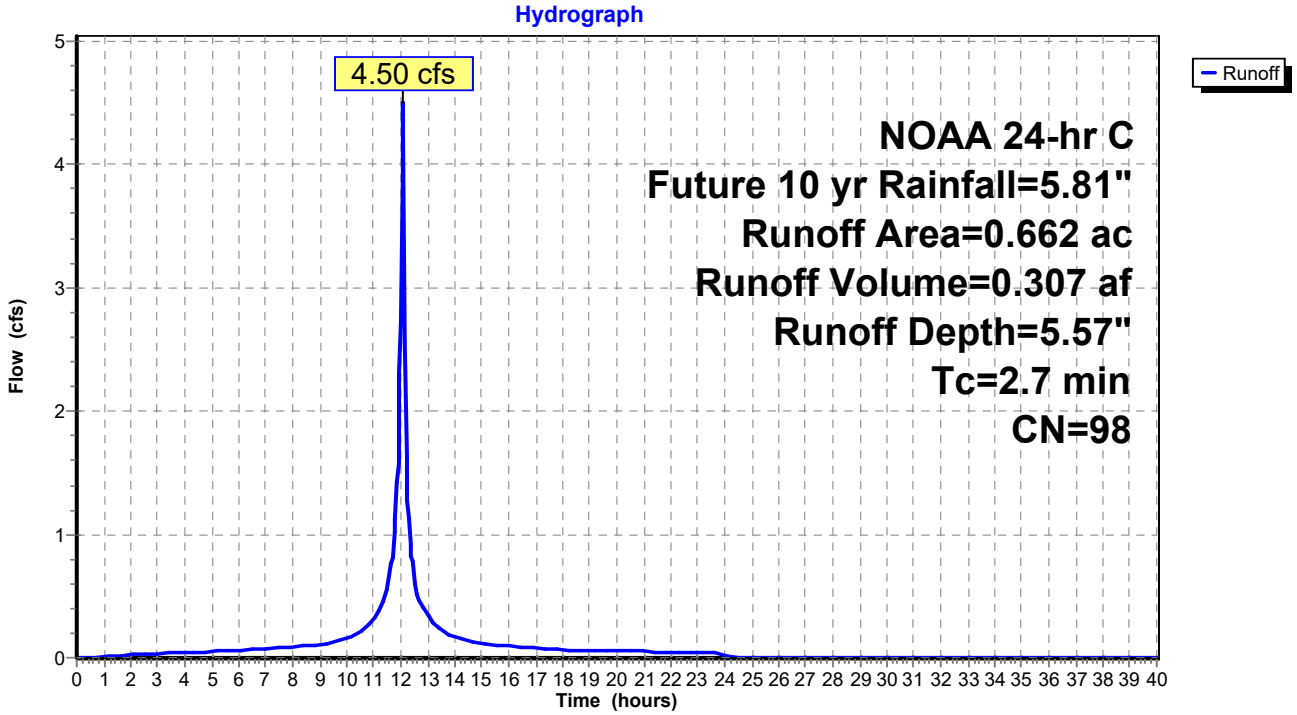
Runoff = 4.50 cfs @ 12.09 hrs, Volume= 0.307 af, Depth= 5.57"
Routed to Pond B-50 : Basin #50

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

	Area (ac)	CN	Description
*	0.291	98	Pavement, HSG C
*	0.325	98	Roof, HSG C
*	0.046	98	Concrete, HSG C
	0.662	98	Weighted Average
	0.662		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.7					**Direct Entry,**

Subcatchment 50l: PDA-50 (impervious)



Hydrograph for Subcatchment 50I: PDA-50 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.05	0.03
0.05	0.00	0.00	0.00	2.65	0.18	0.06	0.03
0.10	0.01	0.00	0.00	2.70	0.18	0.06	0.03
0.15	0.01	0.00	0.00	2.75	0.19	0.06	0.03
0.20	0.01	0.00	0.00	2.80	0.19	0.06	0.03
0.25	0.02	0.00	0.00	2.85	0.19	0.07	0.03
0.30	0.02	0.00	0.00	2.90	0.20	0.07	0.03
0.35	0.02	0.00	0.00	2.95	0.20	0.07	0.03
0.40	0.03	0.00	0.00	3.00	0.20	0.07	0.03
0.45	0.03	0.00	0.00	3.05	0.21	0.08	0.04
0.50	0.03	0.00	0.00	3.10	0.21	0.08	0.04
0.55	0.03	0.00	0.00	3.15	0.22	0.08	0.04
0.60	0.04	0.00	0.00	3.20	0.22	0.08	0.04
0.65	0.04	0.00	0.00	3.25	0.22	0.09	0.04
0.70	0.04	0.00	0.00	3.30	0.23	0.09	0.04
0.75	0.05	0.00	0.00	3.35	0.23	0.09	0.04
0.80	0.05	0.00	0.00	3.40	0.24	0.10	0.04
0.85	0.05	0.00	0.00	3.45	0.24	0.10	0.04
0.90	0.06	0.00	0.01	3.50	0.24	0.10	0.04
0.95	0.06	0.00	0.01	3.55	0.25	0.10	0.04
1.00	0.06	0.00	0.01	3.60	0.25	0.11	0.04
1.05	0.07	0.00	0.01	3.65	0.26	0.11	0.04
1.10	0.07	0.00	0.01	3.70	0.26	0.11	0.04
1.15	0.07	0.00	0.01	3.75	0.26	0.12	0.04
1.20	0.08	0.01	0.01	3.80	0.27	0.12	0.04
1.25	0.08	0.01	0.01	3.85	0.27	0.12	0.04
1.30	0.08	0.01	0.01	3.90	0.28	0.13	0.04
1.35	0.09	0.01	0.01	3.95	0.28	0.13	0.04
1.40	0.09	0.01	0.01	4.00	0.28	0.13	0.04
1.45	0.09	0.01	0.02	4.05	0.29	0.14	0.04
1.50	0.10	0.01	0.02	4.10	0.29	0.14	0.04
1.55	0.10	0.01	0.02	4.15	0.30	0.14	0.04
1.60	0.10	0.01	0.02	4.20	0.30	0.15	0.04
1.65	0.11	0.02	0.02	4.25	0.31	0.15	0.05
1.70	0.11	0.02	0.02	4.30	0.31	0.15	0.05
1.75	0.11	0.02	0.02	4.35	0.31	0.16	0.05
1.80	0.12	0.02	0.02	4.40	0.32	0.16	0.05
1.85	0.12	0.02	0.02	4.45	0.32	0.16	0.05
1.90	0.12	0.02	0.02	4.50	0.33	0.17	0.05
1.95	0.13	0.03	0.02	4.55	0.33	0.17	0.05
2.00	0.13	0.03	0.02	4.60	0.33	0.17	0.05
2.05	0.13	0.03	0.02	4.65	0.34	0.18	0.05
2.10	0.14	0.03	0.03	4.70	0.34	0.18	0.05
2.15	0.14	0.03	0.03	4.75	0.35	0.18	0.05
2.20	0.15	0.04	0.03	4.80	0.35	0.19	0.05
2.25	0.15	0.04	0.03	4.85	0.36	0.19	0.05
2.30	0.15	0.04	0.03	4.90	0.36	0.20	0.05
2.35	0.16	0.04	0.03	4.95	0.37	0.20	0.05
2.40	0.16	0.04	0.03	5.00	0.37	0.20	0.05
2.45	0.16	0.05	0.03	5.05	0.37	0.21	0.05
2.50	0.17	0.05	0.03	5.10	0.38	0.21	0.05
2.55	0.17	0.05	0.03	5.15	0.38	0.21	0.05

Hydrograph for Subcatchment 50I: PDA-50 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.22	0.05	7.80	0.67	0.47	0.08
5.25	0.39	0.22	0.05	7.85	0.68	0.48	0.09
5.30	0.40	0.23	0.05	7.90	0.68	0.49	0.09
5.35	0.40	0.23	0.05	7.95	0.69	0.49	0.09
5.40	0.41	0.23	0.05	8.00	0.70	0.50	0.09
5.45	0.41	0.24	0.05	8.05	0.70	0.51	0.09
5.50	0.41	0.24	0.05	8.10	0.71	0.51	0.09
5.55	0.42	0.25	0.05	8.15	0.72	0.52	0.09
5.60	0.42	0.25	0.05	8.20	0.72	0.53	0.09
5.65	0.43	0.25	0.05	8.25	0.73	0.53	0.09
5.70	0.43	0.26	0.05	8.30	0.74	0.54	0.09
5.75	0.44	0.26	0.05	8.35	0.75	0.55	0.09
5.80	0.44	0.27	0.05	8.40	0.75	0.55	0.09
5.85	0.45	0.27	0.05	8.45	0.76	0.56	0.10
5.90	0.45	0.27	0.06	8.50	0.77	0.57	0.10
5.95	0.46	0.28	0.06	8.55	0.78	0.58	0.10
6.00	0.46	0.28	0.06	8.60	0.78	0.58	0.10
6.05	0.47	0.29	0.06	8.65	0.79	0.59	0.10
6.10	0.47	0.29	0.06	8.70	0.80	0.60	0.10
6.15	0.47	0.30	0.06	8.75	0.81	0.61	0.10
6.20	0.48	0.30	0.06	8.80	0.82	0.61	0.10
6.25	0.48	0.30	0.06	8.85	0.82	0.62	0.10
6.30	0.49	0.31	0.06	8.90	0.83	0.63	0.10
6.35	0.50	0.31	0.06	8.95	0.84	0.64	0.10
6.40	0.50	0.32	0.06	9.00	0.85	0.64	0.10
6.45	0.51	0.32	0.06	9.05	0.86	0.65	0.11
6.50	0.51	0.33	0.06	9.10	0.87	0.66	0.11
6.55	0.52	0.33	0.06	9.15	0.87	0.67	0.11
6.60	0.52	0.34	0.07	9.20	0.88	0.68	0.12
6.65	0.53	0.34	0.07	9.25	0.89	0.69	0.12
6.70	0.53	0.35	0.07	9.30	0.90	0.70	0.12
6.75	0.54	0.35	0.07	9.35	0.91	0.71	0.13
6.80	0.54	0.36	0.07	9.40	0.92	0.72	0.13
6.85	0.55	0.36	0.07	9.45	0.93	0.73	0.13
6.90	0.56	0.37	0.07	9.50	0.94	0.74	0.13
6.95	0.56	0.37	0.07	9.55	0.95	0.75	0.14
7.00	0.57	0.38	0.07	9.60	0.96	0.76	0.14
7.05	0.57	0.38	0.07	9.65	0.98	0.77	0.14
7.10	0.58	0.39	0.07	9.70	0.99	0.78	0.14
7.15	0.58	0.40	0.07	9.75	1.00	0.79	0.15
7.20	0.59	0.40	0.08	9.80	1.01	0.80	0.15
7.25	0.60	0.41	0.08	9.85	1.02	0.81	0.15
7.30	0.60	0.41	0.08	9.90	1.03	0.82	0.16
7.35	0.61	0.42	0.08	9.95	1.05	0.84	0.16
7.40	0.62	0.42	0.08	10.00	1.06	0.85	0.16
7.45	0.62	0.43	0.08	10.05	1.07	0.86	0.17
7.50	0.63	0.44	0.08	10.10	1.09	0.87	0.17
7.55	0.64	0.44	0.08	10.15	1.10	0.89	0.17
7.60	0.64	0.45	0.08	10.20	1.11	0.90	0.17
7.65	0.65	0.45	0.08	10.25	1.13	0.91	0.18
7.70	0.65	0.46	0.08	10.30	1.14	0.93	0.18
7.75	0.66	0.47	0.08	10.35	1.15	0.94	0.18

Hydrograph for Subcatchment 50I: PDA-50 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.95	0.19	13.00	4.42	4.18	0.35
10.45	1.18	0.97	0.19	13.05	4.44	4.20	0.32
10.50	1.20	0.98	0.19	13.10	4.46	4.23	0.31
10.55	1.21	1.00	0.21	13.15	4.48	4.25	0.29
10.60	1.23	1.02	0.21	13.20	4.50	4.27	0.28
10.65	1.25	1.03	0.23	13.25	4.52	4.29	0.27
10.70	1.27	1.05	0.24	13.30	4.54	4.31	0.26
10.75	1.29	1.07	0.25	13.35	4.56	4.33	0.25
10.80	1.31	1.09	0.26	13.40	4.58	4.34	0.24
10.85	1.33	1.11	0.27	13.45	4.60	4.36	0.23
10.90	1.35	1.13	0.28	13.50	4.61	4.38	0.22
10.95	1.37	1.15	0.29	13.55	4.63	4.39	0.20
11.00	1.39	1.18	0.30	13.60	4.64	4.41	0.20
11.05	1.42	1.20	0.33	13.65	4.66	4.42	0.19
11.10	1.45	1.23	0.34	13.70	4.67	4.43	0.19
11.15	1.48	1.26	0.37	13.75	4.68	4.45	0.19
11.20	1.51	1.29	0.38	13.80	4.70	4.46	0.18
11.25	1.54	1.32	0.41	13.85	4.71	4.48	0.18
11.30	1.57	1.35	0.43	13.90	4.72	4.49	0.18
11.35	1.61	1.38	0.45	13.95	4.74	4.50	0.17
11.40	1.64	1.42	0.47	14.00	4.75	4.51	0.17
11.45	1.68	1.46	0.49	14.05	4.76	4.53	0.17
11.50	1.72	1.49	0.51	14.10	4.78	4.54	0.17
11.55	1.78	1.55	0.68	14.15	4.79	4.55	0.16
11.60	1.83	1.61	0.77	14.20	4.80	4.56	0.16
11.65	1.90	1.67	0.80	14.25	4.81	4.57	0.16
11.70	1.96	1.73	0.82	14.30	4.82	4.59	0.15
11.75	2.04	1.82	1.02	14.35	4.83	4.60	0.15
11.80	2.13	1.90	1.13	14.40	4.85	4.61	0.15
11.85	2.25	2.02	1.41	14.45	4.86	4.62	0.15
11.90	2.36	2.13	1.58	14.50	4.87	4.63	0.14
11.95	2.57	2.34	2.32	14.55	4.88	4.64	0.14
12.00	2.77	2.54	2.71	14.60	4.89	4.65	0.14
12.05	3.11	2.88	3.90	14.65	4.90	4.66	0.13
12.10	3.45	3.21	**4.40**	14.70	4.91	4.67	0.13
12.15	3.56	3.33	2.55	14.75	4.92	4.68	0.13
12.20	3.68	3.45	1.62	14.80	4.93	4.69	0.13
12.25	3.77	3.53	1.28	14.85	4.94	4.70	0.12
12.30	3.85	3.62	1.13	14.90	4.94	4.71	0.12
12.35	3.91	3.68	0.93	14.95	4.95	4.72	0.12
12.40	3.98	3.74	0.83	15.00	4.96	4.72	0.11
12.45	4.03	3.80	0.80	15.05	4.97	4.73	0.11
12.50	4.09	3.86	0.78	15.10	4.98	4.74	0.11
12.55	4.13	3.90	0.60	15.15	4.99	4.75	0.11
12.60	4.17	3.93	0.51	15.20	4.99	4.76	0.11
12.65	4.20	3.97	0.48	15.25	5.00	4.76	0.11
12.70	4.24	4.00	0.47	15.30	5.01	4.77	0.11
12.75	4.27	4.04	0.45	15.35	5.02	4.78	0.10
12.80	4.30	4.07	0.43	15.40	5.03	4.79	0.10
12.85	4.33	4.10	0.40	15.45	5.03	4.80	0.10
12.90	4.36	4.13	0.39	15.50	5.04	4.80	0.10
12.95	4.39	4.15	0.36	15.55	5.05	4.81	0.10

Hydrograph for Subcatchment 50I: PDA-50 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	4.82	0.10	18.20	5.37	5.13	0.06
15.65	5.06	4.83	0.10	18.25	5.37	5.14	0.06
15.70	5.07	4.83	0.10	18.30	5.38	5.14	0.06
15.75	5.08	4.84	0.10	18.35	5.38	5.14	0.06
15.80	5.09	4.85	0.10	18.40	5.39	5.15	0.06
15.85	5.09	4.86	0.10	18.45	5.39	5.15	0.06
15.90	5.10	4.86	0.10	18.50	5.40	5.16	0.06
15.95	5.11	4.87	0.10	18.55	5.40	5.16	0.06
16.00	5.11	4.88	0.09	18.60	5.40	5.17	0.06
16.05	5.12	4.88	0.09	18.65	5.41	5.17	0.06
16.10	5.13	4.89	0.09	18.70	5.41	5.18	0.06
16.15	5.13	4.90	0.09	18.75	5.42	5.18	0.06
16.20	5.14	4.90	0.09	18.80	5.42	5.19	0.06
16.25	5.15	4.91	0.09	18.85	5.43	5.19	0.06
16.30	5.16	4.92	0.09	18.90	5.43	5.19	0.06
16.35	5.16	4.92	0.09	18.95	5.44	5.20	0.06
16.40	5.17	4.93	0.09	19.00	5.44	5.20	0.06
16.45	5.17	4.94	0.09	19.05	5.44	5.21	0.06
16.50	5.18	4.94	0.09	19.10	5.45	5.21	0.06
16.55	5.19	4.95	0.09	19.15	5.45	5.22	0.06
16.60	5.19	4.96	0.09	19.20	5.46	5.22	0.06
16.65	5.20	4.96	0.08	19.25	5.46	5.22	0.06
16.70	5.21	4.97	0.08	19.30	5.47	5.23	0.06
16.75	5.21	4.98	0.08	19.35	5.47	5.23	0.06
16.80	5.22	4.98	0.08	19.40	5.48	5.24	0.06
16.85	5.23	4.99	0.08	19.45	5.48	5.24	0.06
16.90	5.23	4.99	0.08	19.50	5.48	5.25	0.06
16.95	5.24	5.00	0.08	19.55	5.49	5.25	0.06
17.00	5.24	5.01	0.08	19.60	5.49	5.25	0.06
17.05	5.25	5.01	0.08	19.65	5.50	5.26	0.06
17.10	5.25	5.02	0.08	19.70	5.50	5.26	0.06
17.15	5.26	5.02	0.08	19.75	5.50	5.27	0.06
17.20	5.27	5.03	0.08	19.80	5.51	5.27	0.06
17.25	5.27	5.03	0.08	19.85	5.51	5.28	0.06
17.30	5.28	5.04	0.07	19.90	5.52	5.28	0.06
17.35	5.28	5.05	0.07	19.95	5.52	5.28	0.06
17.40	5.29	5.05	0.07	20.00	5.53	5.29	0.06
17.45	5.29	5.06	0.07	20.05	5.53	5.29	0.05
17.50	5.30	5.06	0.07	20.10	5.53	5.30	0.05
17.55	5.30	5.07	0.07	20.15	5.54	5.30	0.05
17.60	5.31	5.07	0.07	20.20	5.54	5.30	0.05
17.65	5.31	5.08	0.07	20.25	5.55	5.31	0.05
17.70	5.32	5.08	0.07	20.30	5.55	5.31	0.05
17.75	5.33	5.09	0.07	20.35	5.55	5.32	0.05
17.80	5.33	5.09	0.07	20.40	5.56	5.32	0.05
17.85	5.34	5.10	0.07	20.45	5.56	5.32	0.05
17.90	5.34	5.10	0.07	20.50	5.57	5.33	0.05
17.95	5.34	5.11	0.06	20.55	5.57	5.33	0.05
18.00	5.35	5.11	0.06	20.60	5.57	5.34	0.05
18.05	5.35	5.12	0.06	20.65	5.58	5.34	0.05
18.10	5.36	5.12	0.06	20.70	5.58	5.34	0.05
18.15	5.36	5.13	0.06	20.75	5.59	5.35	0.05

Hydrograph for Subcatchment 50I: PDA-50 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	5.35	0.05	23.40	5.77	5.53	0.04
20.85	5.59	5.36	0.05	23.45	5.78	5.54	0.04
20.90	5.60	5.36	0.05	23.50	5.78	5.54	0.04
20.95	5.60	5.36	0.05	23.55	5.78	5.54	0.04
21.00	5.61	5.37	0.05	23.60	5.78	5.55	0.04
21.05	5.61	5.37	0.05	23.65	5.79	5.55	0.04
21.10	5.61	5.37	0.05	23.70	5.79	5.55	0.04
21.15	5.62	5.38	0.05	23.75	5.79	5.56	0.04
21.20	5.62	5.38	0.05	23.80	5.80	5.56	0.04
21.25	5.62	5.39	0.05	23.85	5.80	5.56	0.04
21.30	5.63	5.39	0.05	23.90	5.80	5.56	0.04
21.35	5.63	5.39	0.05	23.95	5.81	5.57	0.05
21.40	5.64	5.40	0.05	24.00	**5.81**	**5.57**	0.05
21.45	5.64	5.40	0.05	24.05	5.81	5.57	0.02
21.50	5.64	5.40	0.05	24.10	5.81	5.57	0.00
21.55	5.65	5.41	0.05	24.15	5.81	5.57	0.00
21.60	5.65	5.41	0.05	24.20	5.81	5.57	0.00
21.65	5.65	5.42	0.05	24.25	5.81	5.57	0.00
21.70	5.66	5.42	0.05	24.30	5.81	5.57	0.00
21.75	5.66	5.42	0.05	24.35	5.81	5.57	0.00
21.80	5.66	5.43	0.05	24.40	5.81	5.57	0.00
21.85	5.67	5.43	0.05	24.45	5.81	5.57	0.00
21.90	5.67	5.43	0.05	24.50	5.81	5.57	0.00
21.95	5.68	5.44	0.05	24.55	5.81	5.57	0.00
22.00	5.68	5.44	0.05	24.60	5.81	5.57	0.00
22.05	5.68	5.44	0.05	24.65	5.81	5.57	0.00
22.10	5.69	5.45	0.05	24.70	5.81	5.57	0.00
22.15	5.69	5.45	0.05	24.75	5.81	5.57	0.00
22.20	5.69	5.45	0.05	24.80	5.81	5.57	0.00
22.25	5.70	5.46	0.05	24.85	5.81	5.57	0.00
22.30	5.70	5.46	0.05	24.90	5.81	5.57	0.00
22.35	5.70	5.47	0.05	24.95	5.81	5.57	0.00
22.40	5.71	5.47	0.05	25.00	5.81	5.57	0.00
22.45	5.71	5.47	0.05	25.05	5.81	5.57	0.00
22.50	5.71	5.48	0.05	25.10	5.81	5.57	0.00
22.55	5.72	5.48	0.05	25.15	5.81	5.57	0.00
22.60	5.72	5.48	0.05	25.20	5.81	5.57	0.00
22.65	5.72	5.49	0.04	25.25	5.81	5.57	0.00
22.70	5.73	5.49	0.04	25.30	5.81	5.57	0.00
22.75	5.73	5.49	0.04	25.35	5.81	5.57	0.00
22.80	5.73	5.50	0.04	25.40	5.81	5.57	0.00
22.85	5.74	5.50	0.04	25.45	5.81	5.57	0.00
22.90	5.74	5.50	0.04	25.50	5.81	5.57	0.00
22.95	5.74	5.51	0.04	25.55	5.81	5.57	0.00
23.00	5.75	5.51	0.04	25.60	5.81	5.57	0.00
23.05	5.75	5.51	0.04	25.65	5.81	5.57	0.00
23.10	5.75	5.52	0.04	25.70	5.81	5.57	0.00
23.15	5.76	5.52	0.04	25.75	5.81	5.57	0.00
23.20	5.76	5.52	0.04	25.80	5.81	5.57	0.00
23.25	5.76	5.52	0.04	25.85	5.81	5.57	0.00
23.30	5.77	5.53	0.04	25.90	5.81	5.57	0.00
23.35	5.77	5.53	0.04	25.95	5.81	5.57	0.00

Hydrograph for Subcatchment 50I: PDA-50 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	5.57	0.00	28.60	5.81	5.57	0.00
26.05	5.81	5.57	0.00	28.65	5.81	5.57	0.00
26.10	5.81	5.57	0.00	28.70	5.81	5.57	0.00
26.15	5.81	5.57	0.00	28.75	5.81	5.57	0.00
26.20	5.81	5.57	0.00	28.80	5.81	5.57	0.00
26.25	5.81	5.57	0.00	28.85	5.81	5.57	0.00
26.30	5.81	5.57	0.00	28.90	5.81	5.57	0.00
26.35	5.81	5.57	0.00	28.95	5.81	5.57	0.00
26.40	5.81	5.57	0.00	29.00	5.81	5.57	0.00
26.45	5.81	5.57	0.00	29.05	5.81	5.57	0.00
26.50	5.81	5.57	0.00	29.10	5.81	5.57	0.00
26.55	5.81	5.57	0.00	29.15	5.81	5.57	0.00
26.60	5.81	5.57	0.00	29.20	5.81	5.57	0.00
26.65	5.81	5.57	0.00	29.25	5.81	5.57	0.00
26.70	5.81	5.57	0.00	29.30	5.81	5.57	0.00
26.75	5.81	5.57	0.00	29.35	5.81	5.57	0.00
26.80	5.81	5.57	0.00	29.40	5.81	5.57	0.00
26.85	5.81	5.57	0.00	29.45	5.81	5.57	0.00
26.90	5.81	5.57	0.00	29.50	5.81	5.57	0.00
26.95	5.81	5.57	0.00	29.55	5.81	5.57	0.00
27.00	5.81	5.57	0.00	29.60	5.81	5.57	0.00
27.05	5.81	5.57	0.00	29.65	5.81	5.57	0.00
27.10	5.81	5.57	0.00	29.70	5.81	5.57	0.00
27.15	5.81	5.57	0.00	29.75	5.81	5.57	0.00
27.20	5.81	5.57	0.00	29.80	5.81	5.57	0.00
27.25	5.81	5.57	0.00	29.85	5.81	5.57	0.00
27.30	5.81	5.57	0.00	29.90	5.81	5.57	0.00
27.35	5.81	5.57	0.00	29.95	5.81	5.57	0.00
27.40	5.81	5.57	0.00	30.00	5.81	5.57	0.00
27.45	5.81	5.57	0.00	30.05	5.81	5.57	0.00
27.50	5.81	5.57	0.00	30.10	5.81	5.57	0.00
27.55	5.81	5.57	0.00	30.15	5.81	5.57	0.00
27.60	5.81	5.57	0.00	30.20	5.81	5.57	0.00
27.65	5.81	5.57	0.00	30.25	5.81	5.57	0.00
27.70	5.81	5.57	0.00	30.30	5.81	5.57	0.00
27.75	5.81	5.57	0.00	30.35	5.81	5.57	0.00
27.80	5.81	5.57	0.00	30.40	5.81	5.57	0.00
27.85	5.81	5.57	0.00	30.45	5.81	5.57	0.00
27.90	5.81	5.57	0.00	30.50	5.81	5.57	0.00
27.95	5.81	5.57	0.00	30.55	5.81	5.57	0.00
28.00	5.81	5.57	0.00	30.60	5.81	5.57	0.00
28.05	5.81	5.57	0.00	30.65	5.81	5.57	0.00
28.10	5.81	5.57	0.00	30.70	5.81	5.57	0.00
28.15	5.81	5.57	0.00	30.75	5.81	5.57	0.00
28.20	5.81	5.57	0.00	30.80	5.81	5.57	0.00
28.25	5.81	5.57	0.00	30.85	5.81	5.57	0.00
28.30	5.81	5.57	0.00	30.90	5.81	5.57	0.00
28.35	5.81	5.57	0.00	30.95	5.81	5.57	0.00
28.40	5.81	5.57	0.00	31.00	5.81	5.57	0.00
28.45	5.81	5.57	0.00	31.05	5.81	5.57	0.00
28.50	5.81	5.57	0.00	31.10	5.81	5.57	0.00
28.55	5.81	5.57	0.00	31.15	5.81	5.57	0.00

Hydrograph for Subcatchment 50I: PDA-50 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	5.57	0.00	33.80	5.81	5.57	0.00
31.25	5.81	5.57	0.00	33.85	5.81	5.57	0.00
31.30	5.81	5.57	0.00	33.90	5.81	5.57	0.00
31.35	5.81	5.57	0.00	33.95	5.81	5.57	0.00
31.40	5.81	5.57	0.00	34.00	5.81	5.57	0.00
31.45	5.81	5.57	0.00	34.05	5.81	5.57	0.00
31.50	5.81	5.57	0.00	34.10	5.81	5.57	0.00
31.55	5.81	5.57	0.00	34.15	5.81	5.57	0.00
31.60	5.81	5.57	0.00	34.20	5.81	5.57	0.00
31.65	5.81	5.57	0.00	34.25	5.81	5.57	0.00
31.70	5.81	5.57	0.00	34.30	5.81	5.57	0.00
31.75	5.81	5.57	0.00	34.35	5.81	5.57	0.00
31.80	5.81	5.57	0.00	34.40	5.81	5.57	0.00
31.85	5.81	5.57	0.00	34.45	5.81	5.57	0.00
31.90	5.81	5.57	0.00	34.50	5.81	5.57	0.00
31.95	5.81	5.57	0.00	34.55	5.81	5.57	0.00
32.00	5.81	5.57	0.00	34.60	5.81	5.57	0.00
32.05	5.81	5.57	0.00	34.65	5.81	5.57	0.00
32.10	5.81	5.57	0.00	34.70	5.81	5.57	0.00
32.15	5.81	5.57	0.00	34.75	5.81	5.57	0.00
32.20	5.81	5.57	0.00	34.80	5.81	5.57	0.00
32.25	5.81	5.57	0.00	34.85	5.81	5.57	0.00
32.30	5.81	5.57	0.00	34.90	5.81	5.57	0.00
32.35	5.81	5.57	0.00	34.95	5.81	5.57	0.00
32.40	5.81	5.57	0.00	35.00	5.81	5.57	0.00
32.45	5.81	5.57	0.00	35.05	5.81	5.57	0.00
32.50	5.81	5.57	0.00	35.10	5.81	5.57	0.00
32.55	5.81	5.57	0.00	35.15	5.81	5.57	0.00
32.60	5.81	5.57	0.00	35.20	5.81	5.57	0.00
32.65	5.81	5.57	0.00	35.25	5.81	5.57	0.00
32.70	5.81	5.57	0.00	35.30	5.81	5.57	0.00
32.75	5.81	5.57	0.00	35.35	5.81	5.57	0.00
32.80	5.81	5.57	0.00	35.40	5.81	5.57	0.00
32.85	5.81	5.57	0.00	35.45	5.81	5.57	0.00
32.90	5.81	5.57	0.00	35.50	5.81	5.57	0.00
32.95	5.81	5.57	0.00	35.55	5.81	5.57	0.00
33.00	5.81	5.57	0.00	35.60	5.81	5.57	0.00
33.05	5.81	5.57	0.00	35.65	5.81	5.57	0.00
33.10	5.81	5.57	0.00	35.70	5.81	5.57	0.00
33.15	5.81	5.57	0.00	35.75	5.81	5.57	0.00
33.20	5.81	5.57	0.00	35.80	5.81	5.57	0.00
33.25	5.81	5.57	0.00	35.85	5.81	5.57	0.00
33.30	5.81	5.57	0.00	35.90	5.81	5.57	0.00
33.35	5.81	5.57	0.00	35.95	5.81	5.57	0.00
33.40	5.81	5.57	0.00	36.00	5.81	5.57	0.00
33.45	5.81	5.57	0.00	36.05	5.81	5.57	0.00
33.50	5.81	5.57	0.00	36.10	5.81	5.57	0.00
33.55	5.81	5.57	0.00	36.15	5.81	5.57	0.00
33.60	5.81	5.57	0.00	36.20	5.81	5.57	0.00
33.65	5.81	5.57	0.00	36.25	5.81	5.57	0.00
33.70	5.81	5.57	0.00	36.30	5.81	5.57	0.00
33.75	5.81	5.57	0.00	36.35	5.81	5.57	0.00

Hydrograph for Subcatchment 50I: PDA-50 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	5.57	0.00
36.45	5.81	5.57	0.00
36.50	5.81	5.57	0.00
36.55	5.81	5.57	0.00
36.60	5.81	5.57	0.00
36.65	5.81	5.57	0.00
36.70	5.81	5.57	0.00
36.75	5.81	5.57	0.00
36.80	5.81	5.57	0.00
36.85	5.81	5.57	0.00
36.90	5.81	5.57	0.00
36.95	5.81	5.57	0.00
37.00	5.81	5.57	0.00
37.05	5.81	5.57	0.00
37.10	5.81	5.57	0.00
37.15	5.81	5.57	0.00
37.20	5.81	5.57	0.00
37.25	5.81	5.57	0.00
37.30	5.81	5.57	0.00
37.35	5.81	5.57	0.00
37.40	5.81	5.57	0.00
37.45	5.81	5.57	0.00
37.50	5.81	5.57	0.00
37.55	5.81	5.57	0.00
37.60	5.81	5.57	0.00
37.65	5.81	5.57	0.00
37.70	5.81	5.57	0.00
37.75	5.81	5.57	0.00
37.80	5.81	5.57	0.00
37.85	5.81	5.57	0.00
37.90	5.81	5.57	0.00
37.95	5.81	5.57	0.00
38.00	5.81	5.57	0.00
38.05	5.81	5.57	0.00
38.10	5.81	5.57	0.00
38.15	5.81	5.57	0.00
38.20	5.81	5.57	0.00
38.25	5.81	5.57	0.00
38.30	5.81	5.57	0.00
38.35	5.81	5.57	0.00
38.40	5.81	5.57	0.00
38.45	5.81	5.57	0.00
38.50	5.81	5.57	0.00
38.55	5.81	5.57	0.00
38.60	5.81	5.57	0.00
38.65	5.81	5.57	0.00
38.70	5.81	5.57	0.00
38.75	5.81	5.57	0.00
38.80	5.81	5.57	0.00
38.85	5.81	5.57	0.00
38.90	5.81	5.57	0.00
38.95	5.81	5.57	0.00
39.00	5.81	5.57	0.00
39.05	5.81	5.57	0.00
39.10	5.81	5.57	0.00
39.15	5.81	5.57	0.00
39.20	5.81	5.57	0.00
39.25	5.81	5.57	0.00
39.30	5.81	5.57	0.00
39.35	5.81	5.57	0.00
39.40	5.81	5.57	0.00
39.45	5.81	5.57	0.00
39.50	5.81	5.57	0.00
39.55	5.81	5.57	0.00
39.60	5.81	5.57	0.00
39.65	5.81	5.57	0.00
39.70	5.81	5.57	0.00
39.75	5.81	5.57	0.00
39.80	5.81	5.57	0.00
39.85	5.81	5.57	0.00
39.90	5.81	5.57	0.00
39.95	5.81	5.57	0.00
40.00	5.81	5.57	0.00

Summary for Subcatchment 50P: PDA-50 (pervious)

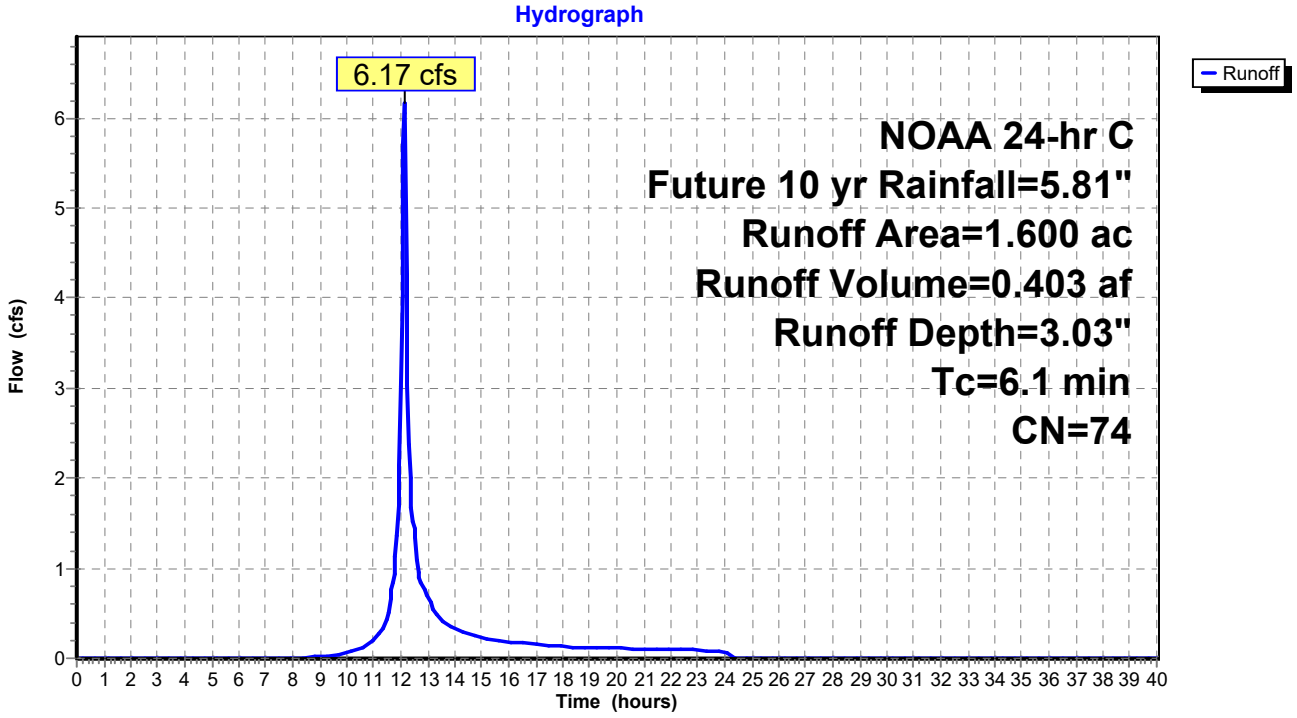
Runoff = 6.17 cfs @ 12.13 hrs, Volume= 0.403 af, Depth= 3.03"
Routed to Pond B-50 : Basin #50

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
1.600	74	>75% Grass cover, Good, HSG C
1.600		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.1					**Direct Entry,**

Subcatchment 50P: PDA-50 (pervious)



Hydrograph for Subcatchment 50P: PDA-50 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment 50P: PDA-50 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.01
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.01
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.01
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.01
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.01
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.01
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.01
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.01
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.01
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.01
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.02
6.35	0.50	0.00	0.00	8.95	0.84	0.01	0.02
6.40	0.50	0.00	0.00	9.00	0.85	0.01	0.02
6.45	0.51	0.00	0.00	9.05	0.86	0.01	0.02
6.50	0.51	0.00	0.00	9.10	0.87	0.01	0.02
6.55	0.52	0.00	0.00	9.15	0.87	0.01	0.02
6.60	0.52	0.00	0.00	9.20	0.88	0.01	0.02
6.65	0.53	0.00	0.00	9.25	0.89	0.01	0.03
6.70	0.53	0.00	0.00	9.30	0.90	0.01	0.03
6.75	0.54	0.00	0.00	9.35	0.91	0.01	0.03
6.80	0.54	0.00	0.00	9.40	0.92	0.01	0.03
6.85	0.55	0.00	0.00	9.45	0.93	0.01	0.04
6.90	0.56	0.00	0.00	9.50	0.94	0.02	0.04
6.95	0.56	0.00	0.00	9.55	0.95	0.02	0.04
7.00	0.57	0.00	0.00	9.60	0.96	0.02	0.04
7.05	0.57	0.00	0.00	9.65	0.98	0.02	0.05
7.10	0.58	0.00	0.00	9.70	0.99	0.02	0.05
7.15	0.58	0.00	0.00	9.75	1.00	0.02	0.05
7.20	0.59	0.00	0.00	9.80	1.01	0.02	0.05
7.25	0.60	0.00	0.00	9.85	1.02	0.03	0.06
7.30	0.60	0.00	0.00	9.90	1.03	0.03	0.06
7.35	0.61	0.00	0.00	9.95	1.05	0.03	0.06
7.40	0.62	0.00	0.00	10.00	1.06	0.03	0.07
7.45	0.62	0.00	0.00	10.05	1.07	0.04	0.07
7.50	0.63	0.00	0.00	10.10	1.09	0.04	0.07
7.55	0.64	0.00	0.00	10.15	1.10	0.04	0.08
7.60	0.64	0.00	0.00	10.20	1.11	0.04	0.08
7.65	0.65	0.00	0.00	10.25	1.13	0.05	0.08
7.70	0.65	0.00	0.00	10.30	1.14	0.05	0.09
7.75	0.66	0.00	0.00	10.35	1.15	0.05	0.09

Hydrograph for Subcatchment 50P: PDA-50 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.05	0.10	13.00	4.42	1.91	0.67
10.45	1.18	0.06	0.10	13.05	4.44	1.93	0.64
10.50	1.20	0.06	0.10	13.10	4.46	1.94	0.60
10.55	1.21	0.06	0.11	13.15	4.48	1.96	0.57
10.60	1.23	0.07	0.12	13.20	4.50	1.98	0.55
10.65	1.25	0.07	0.13	13.25	4.52	1.99	0.53
10.70	1.27	0.08	0.14	13.30	4.54	2.01	0.51
10.75	1.29	0.08	0.15	13.35	4.56	2.02	0.49
10.80	1.31	0.09	0.16	13.40	4.58	2.03	0.47
10.85	1.33	0.09	0.17	13.45	4.60	2.05	0.45
10.90	1.35	0.10	0.18	13.50	4.61	2.06	0.43
10.95	1.37	0.11	0.19	13.55	4.63	2.07	0.41
11.00	1.39	0.11	0.21	13.60	4.64	2.08	0.39
11.05	1.42	0.12	0.22	13.65	4.66	2.09	0.37
11.10	1.45	0.13	0.24	13.70	4.67	2.10	0.36
11.15	1.48	0.14	0.26	13.75	4.68	2.12	0.36
11.20	1.51	0.15	0.29	13.80	4.70	2.13	0.35
11.25	1.54	0.16	0.31	13.85	4.71	2.14	0.35
11.30	1.57	0.17	0.34	13.90	4.72	2.15	0.34
11.35	1.61	0.18	0.37	13.95	4.74	2.16	0.34
11.40	1.64	0.20	0.40	14.00	4.75	2.17	0.33
11.45	1.68	0.21	0.42	14.05	4.76	2.18	0.33
11.50	1.72	0.23	0.45	14.10	4.78	2.19	0.32
11.55	1.78	0.25	0.51	14.15	4.79	2.20	0.32
11.60	1.83	0.28	0.66	14.20	4.80	2.21	0.31
11.65	1.90	0.30	0.76	14.25	4.81	2.21	0.31
11.70	1.96	0.33	0.83	14.30	4.82	2.22	0.30
11.75	2.04	0.37	0.93	14.35	4.83	2.23	0.30
11.80	2.13	0.41	1.13	14.40	4.85	2.24	0.29
11.85	2.25	0.47	1.35	14.45	4.86	2.25	0.28
11.90	2.36	0.53	1.69	14.50	4.87	2.26	0.28
11.95	2.57	0.65	2.14	14.55	4.88	2.27	0.27
12.00	2.77	0.77	3.02	14.60	4.89	2.27	0.27
12.05	3.11	0.98	4.03	14.65	4.90	2.28	0.26
12.10	3.45	1.20	5.68	14.70	4.91	2.29	0.26
12.15	3.56	1.28	**6.05**	14.75	4.92	2.30	0.25
12.20	3.68	1.37	4.27	14.80	4.93	2.31	0.25
12.25	3.77	1.43	3.04	14.85	4.94	2.31	0.24
12.30	3.85	1.49	2.36	14.90	4.94	2.32	0.24
12.35	3.91	1.53	2.00	14.95	4.95	2.33	0.23
12.40	3.98	1.58	1.68	15.00	4.96	2.33	0.22
12.45	4.03	1.62	1.51	15.05	4.97	2.34	0.22
12.50	4.09	1.67	1.43	15.10	4.98	2.35	0.21
12.55	4.13	1.69	1.33	15.15	4.99	2.35	0.21
12.60	4.17	1.72	1.10	15.20	4.99	2.36	0.21
12.65	4.20	1.75	0.96	15.25	5.00	2.37	0.21
12.70	4.24	1.77	0.89	15.30	5.01	2.37	0.20
12.75	4.27	1.80	0.86	15.35	5.02	2.38	0.20
12.80	4.30	1.82	0.82	15.40	5.03	2.38	0.20
12.85	4.33	1.85	0.79	15.45	5.03	2.39	0.20
12.90	4.36	1.87	0.75	15.50	5.04	2.40	0.20
12.95	4.39	1.89	0.71	15.55	5.05	2.40	0.20

Hydrograph for Subcatchment 50P: PDA-50 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	2.41	0.20	18.20	5.37	2.66	0.12
15.65	5.06	2.41	0.20	18.25	5.37	2.67	0.12
15.70	5.07	2.42	0.19	18.30	5.38	2.67	0.12
15.75	5.08	2.43	0.19	18.35	5.38	2.67	0.12
15.80	5.09	2.43	0.19	18.40	5.39	2.68	0.12
15.85	5.09	2.44	0.19	18.45	5.39	2.68	0.12
15.90	5.10	2.44	0.19	18.50	5.40	2.68	0.12
15.95	5.11	2.45	0.19	18.55	5.40	2.69	0.12
16.00	5.11	2.46	0.19	18.60	5.40	2.69	0.12
16.05	5.12	2.46	0.18	18.65	5.41	2.69	0.12
16.10	5.13	2.47	0.18	18.70	5.41	2.70	0.12
16.15	5.13	2.47	0.18	18.75	5.42	2.70	0.12
16.20	5.14	2.48	0.18	18.80	5.42	2.71	0.12
16.25	5.15	2.48	0.18	18.85	5.43	2.71	0.12
16.30	5.16	2.49	0.18	18.90	5.43	2.71	0.12
16.35	5.16	2.49	0.18	18.95	5.44	2.72	0.12
16.40	5.17	2.50	0.17	19.00	5.44	2.72	0.12
16.45	5.17	2.50	0.17	19.05	5.44	2.72	0.12
16.50	5.18	2.51	0.17	19.10	5.45	2.73	0.12
16.55	5.19	2.52	0.17	19.15	5.45	2.73	0.12
16.60	5.19	2.52	0.17	19.20	5.46	2.73	0.12
16.65	5.20	2.53	0.17	19.25	5.46	2.74	0.12
16.70	5.21	2.53	0.17	19.30	5.47	2.74	0.11
16.75	5.21	2.54	0.16	19.35	5.47	2.75	0.11
16.80	5.22	2.54	0.16	19.40	5.48	2.75	0.11
16.85	5.23	2.55	0.16	19.45	5.48	2.75	0.11
16.90	5.23	2.55	0.16	19.50	5.48	2.76	0.11
16.95	5.24	2.55	0.16	19.55	5.49	2.76	0.11
17.00	5.24	2.56	0.16	19.60	5.49	2.76	0.11
17.05	5.25	2.56	0.16	19.65	5.50	2.77	0.11
17.10	5.25	2.57	0.15	19.70	5.50	2.77	0.11
17.15	5.26	2.57	0.15	19.75	5.50	2.77	0.11
17.20	5.27	2.58	0.15	19.80	5.51	2.78	0.11
17.25	5.27	2.58	0.15	19.85	5.51	2.78	0.11
17.30	5.28	2.59	0.15	19.90	5.52	2.78	0.11
17.35	5.28	2.59	0.15	19.95	5.52	2.79	0.11
17.40	5.29	2.60	0.14	20.00	5.53	2.79	0.11
17.45	5.29	2.60	0.14	20.05	5.53	2.79	0.11
17.50	5.30	2.61	0.14	20.10	5.53	2.80	0.11
17.55	5.30	2.61	0.14	20.15	5.54	2.80	0.11
17.60	5.31	2.61	0.14	20.20	5.54	2.80	0.11
17.65	5.31	2.62	0.14	20.25	5.55	2.81	0.11
17.70	5.32	2.62	0.14	20.30	5.55	2.81	0.11
17.75	5.33	2.63	0.13	20.35	5.55	2.81	0.11
17.80	5.33	2.63	0.13	20.40	5.56	2.82	0.11
17.85	5.34	2.63	0.13	20.45	5.56	2.82	0.11
17.90	5.34	2.64	0.13	20.50	5.57	2.82	0.11
17.95	5.34	2.64	0.13	20.55	5.57	2.83	0.11
18.00	5.35	2.65	0.13	20.60	5.57	2.83	0.11
18.05	5.35	2.65	0.13	20.65	5.58	2.83	0.11
18.10	5.36	2.65	0.12	20.70	5.58	2.84	0.10
18.15	5.36	2.66	0.12	20.75	5.59	2.84	0.10

Hydrograph for Subcatchment 50P: PDA-50 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.84	0.10	23.40	5.77	2.99	0.09
20.85	5.59	2.85	0.10	23.45	5.78	3.00	0.08
20.90	5.60	2.85	0.10	23.50	5.78	3.00	0.08
20.95	5.60	2.85	0.10	23.55	5.78	3.00	0.08
21.00	5.61	2.86	0.10	23.60	5.78	3.00	0.08
21.05	5.61	2.86	0.10	23.65	5.79	3.01	0.08
21.10	5.61	2.86	0.10	23.70	5.79	3.01	0.08
21.15	5.62	2.87	0.10	23.75	5.79	3.01	0.08
21.20	5.62	2.87	0.10	23.80	5.80	3.01	0.08
21.25	5.62	2.87	0.10	23.85	5.80	3.02	0.08
21.30	5.63	2.87	0.10	23.90	5.80	3.02	0.08
21.35	5.63	2.88	0.10	23.95	5.81	3.02	0.08
21.40	5.64	2.88	0.10	24.00	**5.81**	**3.03**	0.09
21.45	5.64	2.88	0.10	24.05	5.81	3.03	0.08
21.50	5.64	2.89	0.10	24.10	5.81	3.03	0.04
21.55	5.65	2.89	0.10	24.15	5.81	3.03	0.01
21.60	5.65	2.89	0.10	24.20	5.81	3.03	0.00
21.65	5.65	2.90	0.10	24.25	5.81	3.03	0.00
21.70	5.66	2.90	0.10	24.30	5.81	3.03	0.00
21.75	5.66	2.90	0.10	24.35	5.81	3.03	0.00
21.80	5.66	2.90	0.10	24.40	5.81	3.03	0.00
21.85	5.67	2.91	0.10	24.45	5.81	3.03	0.00
21.90	5.67	2.91	0.10	24.50	5.81	3.03	0.00
21.95	5.68	2.91	0.10	24.55	5.81	3.03	0.00
22.00	5.68	2.92	0.10	24.60	5.81	3.03	0.00
22.05	5.68	2.92	0.09	24.65	5.81	3.03	0.00
22.10	5.69	2.92	0.09	24.70	5.81	3.03	0.00
22.15	5.69	2.93	0.09	24.75	5.81	3.03	0.00
22.20	5.69	2.93	0.09	24.80	5.81	3.03	0.00
22.25	5.70	2.93	0.09	24.85	5.81	3.03	0.00
22.30	5.70	2.93	0.09	24.90	5.81	3.03	0.00
22.35	5.70	2.94	0.09	24.95	5.81	3.03	0.00
22.40	5.71	2.94	0.09	25.00	5.81	3.03	0.00
22.45	5.71	2.94	0.09	25.05	5.81	3.03	0.00
22.50	5.71	2.95	0.09	25.10	5.81	3.03	0.00
22.55	5.72	2.95	0.09	25.15	5.81	3.03	0.00
22.60	5.72	2.95	0.09	25.20	5.81	3.03	0.00
22.65	5.72	2.95	0.09	25.25	5.81	3.03	0.00
22.70	5.73	2.96	0.09	25.30	5.81	3.03	0.00
22.75	5.73	2.96	0.09	25.35	5.81	3.03	0.00
22.80	5.73	2.96	0.09	25.40	5.81	3.03	0.00
22.85	5.74	2.96	0.09	25.45	5.81	3.03	0.00
22.90	5.74	2.97	0.09	25.50	5.81	3.03	0.00
22.95	5.74	2.97	0.09	25.55	5.81	3.03	0.00
23.00	5.75	2.97	0.09	25.60	5.81	3.03	0.00
23.05	5.75	2.98	0.09	25.65	5.81	3.03	0.00
23.10	5.75	2.98	0.09	25.70	5.81	3.03	0.00
23.15	5.76	2.98	0.09	25.75	5.81	3.03	0.00
23.20	5.76	2.98	0.09	25.80	5.81	3.03	0.00
23.25	5.76	2.99	0.09	25.85	5.81	3.03	0.00
23.30	5.77	2.99	0.09	25.90	5.81	3.03	0.00
23.35	5.77	2.99	0.09	25.95	5.81	3.03	0.00

Hydrograph for Subcatchment 50P: PDA-50 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	3.03	0.00	28.60	5.81	3.03	0.00
26.05	5.81	3.03	0.00	28.65	5.81	3.03	0.00
26.10	5.81	3.03	0.00	28.70	5.81	3.03	0.00
26.15	5.81	3.03	0.00	28.75	5.81	3.03	0.00
26.20	5.81	3.03	0.00	28.80	5.81	3.03	0.00
26.25	5.81	3.03	0.00	28.85	5.81	3.03	0.00
26.30	5.81	3.03	0.00	28.90	5.81	3.03	0.00
26.35	5.81	3.03	0.00	28.95	5.81	3.03	0.00
26.40	5.81	3.03	0.00	29.00	5.81	3.03	0.00
26.45	5.81	3.03	0.00	29.05	5.81	3.03	0.00
26.50	5.81	3.03	0.00	29.10	5.81	3.03	0.00
26.55	5.81	3.03	0.00	29.15	5.81	3.03	0.00
26.60	5.81	3.03	0.00	29.20	5.81	3.03	0.00
26.65	5.81	3.03	0.00	29.25	5.81	3.03	0.00
26.70	5.81	3.03	0.00	29.30	5.81	3.03	0.00
26.75	5.81	3.03	0.00	29.35	5.81	3.03	0.00
26.80	5.81	3.03	0.00	29.40	5.81	3.03	0.00
26.85	5.81	3.03	0.00	29.45	5.81	3.03	0.00
26.90	5.81	3.03	0.00	29.50	5.81	3.03	0.00
26.95	5.81	3.03	0.00	29.55	5.81	3.03	0.00
27.00	5.81	3.03	0.00	29.60	5.81	3.03	0.00
27.05	5.81	3.03	0.00	29.65	5.81	3.03	0.00
27.10	5.81	3.03	0.00	29.70	5.81	3.03	0.00
27.15	5.81	3.03	0.00	29.75	5.81	3.03	0.00
27.20	5.81	3.03	0.00	29.80	5.81	3.03	0.00
27.25	5.81	3.03	0.00	29.85	5.81	3.03	0.00
27.30	5.81	3.03	0.00	29.90	5.81	3.03	0.00
27.35	5.81	3.03	0.00	29.95	5.81	3.03	0.00
27.40	5.81	3.03	0.00	30.00	5.81	3.03	0.00
27.45	5.81	3.03	0.00	30.05	5.81	3.03	0.00
27.50	5.81	3.03	0.00	30.10	5.81	3.03	0.00
27.55	5.81	3.03	0.00	30.15	5.81	3.03	0.00
27.60	5.81	3.03	0.00	30.20	5.81	3.03	0.00
27.65	5.81	3.03	0.00	30.25	5.81	3.03	0.00
27.70	5.81	3.03	0.00	30.30	5.81	3.03	0.00
27.75	5.81	3.03	0.00	30.35	5.81	3.03	0.00
27.80	5.81	3.03	0.00	30.40	5.81	3.03	0.00
27.85	5.81	3.03	0.00	30.45	5.81	3.03	0.00
27.90	5.81	3.03	0.00	30.50	5.81	3.03	0.00
27.95	5.81	3.03	0.00	30.55	5.81	3.03	0.00
28.00	5.81	3.03	0.00	30.60	5.81	3.03	0.00
28.05	5.81	3.03	0.00	30.65	5.81	3.03	0.00
28.10	5.81	3.03	0.00	30.70	5.81	3.03	0.00
28.15	5.81	3.03	0.00	30.75	5.81	3.03	0.00
28.20	5.81	3.03	0.00	30.80	5.81	3.03	0.00
28.25	5.81	3.03	0.00	30.85	5.81	3.03	0.00
28.30	5.81	3.03	0.00	30.90	5.81	3.03	0.00
28.35	5.81	3.03	0.00	30.95	5.81	3.03	0.00
28.40	5.81	3.03	0.00	31.00	5.81	3.03	0.00
28.45	5.81	3.03	0.00	31.05	5.81	3.03	0.00
28.50	5.81	3.03	0.00	31.10	5.81	3.03	0.00
28.55	5.81	3.03	0.00	31.15	5.81	3.03	0.00

Hydrograph for Subcatchment 50P: PDA-50 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	3.03	0.00	33.80	5.81	3.03	0.00
31.25	5.81	3.03	0.00	33.85	5.81	3.03	0.00
31.30	5.81	3.03	0.00	33.90	5.81	3.03	0.00
31.35	5.81	3.03	0.00	33.95	5.81	3.03	0.00
31.40	5.81	3.03	0.00	34.00	5.81	3.03	0.00
31.45	5.81	3.03	0.00	34.05	5.81	3.03	0.00
31.50	5.81	3.03	0.00	34.10	5.81	3.03	0.00
31.55	5.81	3.03	0.00	34.15	5.81	3.03	0.00
31.60	5.81	3.03	0.00	34.20	5.81	3.03	0.00
31.65	5.81	3.03	0.00	34.25	5.81	3.03	0.00
31.70	5.81	3.03	0.00	34.30	5.81	3.03	0.00
31.75	5.81	3.03	0.00	34.35	5.81	3.03	0.00
31.80	5.81	3.03	0.00	34.40	5.81	3.03	0.00
31.85	5.81	3.03	0.00	34.45	5.81	3.03	0.00
31.90	5.81	3.03	0.00	34.50	5.81	3.03	0.00
31.95	5.81	3.03	0.00	34.55	5.81	3.03	0.00
32.00	5.81	3.03	0.00	34.60	5.81	3.03	0.00
32.05	5.81	3.03	0.00	34.65	5.81	3.03	0.00
32.10	5.81	3.03	0.00	34.70	5.81	3.03	0.00
32.15	5.81	3.03	0.00	34.75	5.81	3.03	0.00
32.20	5.81	3.03	0.00	34.80	5.81	3.03	0.00
32.25	5.81	3.03	0.00	34.85	5.81	3.03	0.00
32.30	5.81	3.03	0.00	34.90	5.81	3.03	0.00
32.35	5.81	3.03	0.00	34.95	5.81	3.03	0.00
32.40	5.81	3.03	0.00	35.00	5.81	3.03	0.00
32.45	5.81	3.03	0.00	35.05	5.81	3.03	0.00
32.50	5.81	3.03	0.00	35.10	5.81	3.03	0.00
32.55	5.81	3.03	0.00	35.15	5.81	3.03	0.00
32.60	5.81	3.03	0.00	35.20	5.81	3.03	0.00
32.65	5.81	3.03	0.00	35.25	5.81	3.03	0.00
32.70	5.81	3.03	0.00	35.30	5.81	3.03	0.00
32.75	5.81	3.03	0.00	35.35	5.81	3.03	0.00
32.80	5.81	3.03	0.00	35.40	5.81	3.03	0.00
32.85	5.81	3.03	0.00	35.45	5.81	3.03	0.00
32.90	5.81	3.03	0.00	35.50	5.81	3.03	0.00
32.95	5.81	3.03	0.00	35.55	5.81	3.03	0.00
33.00	5.81	3.03	0.00	35.60	5.81	3.03	0.00
33.05	5.81	3.03	0.00	35.65	5.81	3.03	0.00
33.10	5.81	3.03	0.00	35.70	5.81	3.03	0.00
33.15	5.81	3.03	0.00	35.75	5.81	3.03	0.00
33.20	5.81	3.03	0.00	35.80	5.81	3.03	0.00
33.25	5.81	3.03	0.00	35.85	5.81	3.03	0.00
33.30	5.81	3.03	0.00	35.90	5.81	3.03	0.00
33.35	5.81	3.03	0.00	35.95	5.81	3.03	0.00
33.40	5.81	3.03	0.00	36.00	5.81	3.03	0.00
33.45	5.81	3.03	0.00	36.05	5.81	3.03	0.00
33.50	5.81	3.03	0.00	36.10	5.81	3.03	0.00
33.55	5.81	3.03	0.00	36.15	5.81	3.03	0.00
33.60	5.81	3.03	0.00	36.20	5.81	3.03	0.00
33.65	5.81	3.03	0.00	36.25	5.81	3.03	0.00
33.70	5.81	3.03	0.00	36.30	5.81	3.03	0.00
33.75	5.81	3.03	0.00	36.35	5.81	3.03	0.00

Hydrograph for Subcatchment 50P: PDA-50 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	3.03	0.00
36.45	5.81	3.03	0.00
36.50	5.81	3.03	0.00
36.55	5.81	3.03	0.00
36.60	5.81	3.03	0.00
36.65	5.81	3.03	0.00
36.70	5.81	3.03	0.00
36.75	5.81	3.03	0.00
36.80	5.81	3.03	0.00
36.85	5.81	3.03	0.00
36.90	5.81	3.03	0.00
36.95	5.81	3.03	0.00
37.00	5.81	3.03	0.00
37.05	5.81	3.03	0.00
37.10	5.81	3.03	0.00
37.15	5.81	3.03	0.00
37.20	5.81	3.03	0.00
37.25	5.81	3.03	0.00
37.30	5.81	3.03	0.00
37.35	5.81	3.03	0.00
37.40	5.81	3.03	0.00
37.45	5.81	3.03	0.00
37.50	5.81	3.03	0.00
37.55	5.81	3.03	0.00
37.60	5.81	3.03	0.00
37.65	5.81	3.03	0.00
37.70	5.81	3.03	0.00
37.75	5.81	3.03	0.00
37.80	5.81	3.03	0.00
37.85	5.81	3.03	0.00
37.90	5.81	3.03	0.00
37.95	5.81	3.03	0.00
38.00	5.81	3.03	0.00
38.05	5.81	3.03	0.00
38.10	5.81	3.03	0.00
38.15	5.81	3.03	0.00
38.20	5.81	3.03	0.00
38.25	5.81	3.03	0.00
38.30	5.81	3.03	0.00
38.35	5.81	3.03	0.00
38.40	5.81	3.03	0.00
38.45	5.81	3.03	0.00
38.50	5.81	3.03	0.00
38.55	5.81	3.03	0.00
38.60	5.81	3.03	0.00
38.65	5.81	3.03	0.00
38.70	5.81	3.03	0.00
38.75	5.81	3.03	0.00
38.80	5.81	3.03	0.00
38.85	5.81	3.03	0.00
38.90	5.81	3.03	0.00
38.95	5.81	3.03	0.00
39.00	5.81	3.03	0.00
39.05	5.81	3.03	0.00
39.10	5.81	3.03	0.00
39.15	5.81	3.03	0.00
39.20	5.81	3.03	0.00
39.25	5.81	3.03	0.00
39.30	5.81	3.03	0.00
39.35	5.81	3.03	0.00
39.40	5.81	3.03	0.00
39.45	5.81	3.03	0.00
39.50	5.81	3.03	0.00
39.55	5.81	3.03	0.00
39.60	5.81	3.03	0.00
39.65	5.81	3.03	0.00
39.70	5.81	3.03	0.00
39.75	5.81	3.03	0.00
39.80	5.81	3.03	0.00
39.85	5.81	3.03	0.00
39.90	5.81	3.03	0.00
39.95	5.81	3.03	0.00
40.00	5.81	3.03	0.00

Summary for Subcatchment UPDA-5: PDA-5 (undetained)

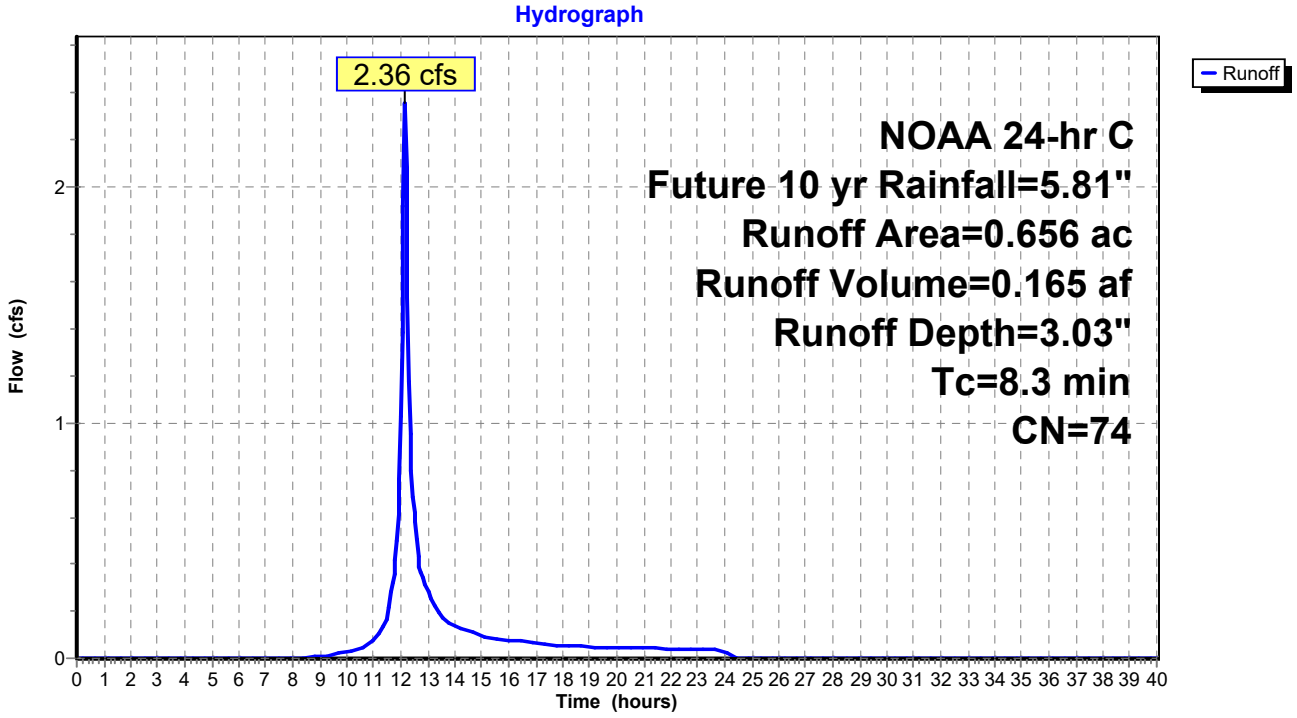
Runoff = 2.36 cfs @ 12.16 hrs, Volume= 0.165 af, Depth= 3.03"
Routed to Link PDA-5 : Proposed Drainage Area #5

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
0.656	74	>75% Grass cover, Good, HSG C
0.656		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.3					**Direct Entry,**

Subcatchment UPDA-5: PDA-5 (undetained)



Hydrograph for Subcatchment UPDA-5: PDA-5 (undetained)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment UPDA-5: PDA-5 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.00
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.00
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.00
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.00
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.00
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.00
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.00
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.00
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.01
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.01
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.01
6.35	0.50	0.00	0.00	8.95	0.84	0.01	0.01
6.40	0.50	0.00	0.00	9.00	0.85	0.01	0.01
6.45	0.51	0.00	0.00	9.05	0.86	0.01	0.01
6.50	0.51	0.00	0.00	9.10	0.87	0.01	0.01
6.55	0.52	0.00	0.00	9.15	0.87	0.01	0.01
6.60	0.52	0.00	0.00	9.20	0.88	0.01	0.01
6.65	0.53	0.00	0.00	9.25	0.89	0.01	0.01
6.70	0.53	0.00	0.00	9.30	0.90	0.01	0.01
6.75	0.54	0.00	0.00	9.35	0.91	0.01	0.01
6.80	0.54	0.00	0.00	9.40	0.92	0.01	0.01
6.85	0.55	0.00	0.00	9.45	0.93	0.01	0.01
6.90	0.56	0.00	0.00	9.50	0.94	0.02	0.01
6.95	0.56	0.00	0.00	9.55	0.95	0.02	0.02
7.00	0.57	0.00	0.00	9.60	0.96	0.02	0.02
7.05	0.57	0.00	0.00	9.65	0.98	0.02	0.02
7.10	0.58	0.00	0.00	9.70	0.99	0.02	0.02
7.15	0.58	0.00	0.00	9.75	1.00	0.02	0.02
7.20	0.59	0.00	0.00	9.80	1.01	0.02	0.02
7.25	0.60	0.00	0.00	9.85	1.02	0.03	0.02
7.30	0.60	0.00	0.00	9.90	1.03	0.03	0.02
7.35	0.61	0.00	0.00	9.95	1.05	0.03	0.02
7.40	0.62	0.00	0.00	10.00	1.06	0.03	0.03
7.45	0.62	0.00	0.00	10.05	1.07	0.04	0.03
7.50	0.63	0.00	0.00	10.10	1.09	0.04	0.03
7.55	0.64	0.00	0.00	10.15	1.10	0.04	0.03
7.60	0.64	0.00	0.00	10.20	1.11	0.04	0.03
7.65	0.65	0.00	0.00	10.25	1.13	0.05	0.03
7.70	0.65	0.00	0.00	10.30	1.14	0.05	0.03
7.75	0.66	0.00	0.00	10.35	1.15	0.05	0.04

Hydrograph for Subcatchment UPDA-5: PDA-5 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.05	0.04	13.00	4.42	1.91	0.29
10.45	1.18	0.06	0.04	13.05	4.44	1.93	0.27
10.50	1.20	0.06	0.04	13.10	4.46	1.94	0.26
10.55	1.21	0.06	0.04	13.15	4.48	1.96	0.24
10.60	1.23	0.07	0.05	13.20	4.50	1.98	0.23
10.65	1.25	0.07	0.05	13.25	4.52	1.99	0.22
10.70	1.27	0.08	0.05	13.30	4.54	2.01	0.21
10.75	1.29	0.08	0.06	13.35	4.56	2.02	0.21
10.80	1.31	0.09	0.06	13.40	4.58	2.03	0.20
10.85	1.33	0.09	0.07	13.45	4.60	2.05	0.19
10.90	1.35	0.10	0.07	13.50	4.61	2.06	0.18
10.95	1.37	0.11	0.08	13.55	4.63	2.07	0.17
11.00	1.39	0.11	0.08	13.60	4.64	2.08	0.16
11.05	1.42	0.12	0.09	13.65	4.66	2.09	0.16
11.10	1.45	0.13	0.09	13.70	4.67	2.10	0.15
11.15	1.48	0.14	0.10	13.75	4.68	2.12	0.15
11.20	1.51	0.15	0.11	13.80	4.70	2.13	0.15
11.25	1.54	0.16	0.12	13.85	4.71	2.14	0.14
11.30	1.57	0.17	0.13	13.90	4.72	2.15	0.14
11.35	1.61	0.18	0.14	13.95	4.74	2.16	0.14
11.40	1.64	0.20	0.15	14.00	4.75	2.17	0.14
11.45	1.68	0.21	0.17	14.05	4.76	2.18	0.14
11.50	1.72	0.23	0.18	14.10	4.78	2.19	0.13
11.55	1.78	0.25	0.19	14.15	4.79	2.20	0.13
11.60	1.83	0.28	0.24	14.20	4.80	2.21	0.13
11.65	1.90	0.30	0.28	14.25	4.81	2.21	0.13
11.70	1.96	0.33	0.32	14.30	4.82	2.22	0.12
11.75	2.04	0.37	0.35	14.35	4.83	2.23	0.12
11.80	2.13	0.41	0.42	14.40	4.85	2.24	0.12
11.85	2.25	0.47	0.50	14.45	4.86	2.25	0.12
11.90	2.36	0.53	0.61	14.50	4.87	2.26	0.12
11.95	2.57	0.65	0.76	14.55	4.88	2.27	0.11
12.00	2.77	0.77	1.03	14.60	4.89	2.27	0.11
12.05	3.11	0.98	1.39	14.65	4.90	2.28	0.11
12.10	3.45	1.20	1.92	14.70	4.91	2.29	0.11
12.15	3.56	1.28	**2.35**	14.75	4.92	2.30	0.10
12.20	3.68	1.37	2.08	14.80	4.93	2.31	0.10
12.25	3.77	1.43	1.54	14.85	4.94	2.31	0.10
12.30	3.85	1.49	1.17	14.90	4.94	2.32	0.10
12.35	3.91	1.53	0.95	14.95	4.95	2.33	0.10
12.40	3.98	1.58	0.79	15.00	4.96	2.33	0.09
12.45	4.03	1.62	0.68	15.05	4.97	2.34	0.09
12.50	4.09	1.67	0.62	15.10	4.98	2.35	0.09
12.55	4.13	1.69	0.58	15.15	4.99	2.35	0.09
12.60	4.17	1.72	0.51	15.20	4.99	2.36	0.09
12.65	4.20	1.75	0.43	15.25	5.00	2.37	0.09
12.70	4.24	1.77	0.39	15.30	5.01	2.37	0.08
12.75	4.27	1.80	0.37	15.35	5.02	2.38	0.08
12.80	4.30	1.82	0.35	15.40	5.03	2.38	0.08
12.85	4.33	1.85	0.33	15.45	5.03	2.39	0.08
12.90	4.36	1.87	0.32	15.50	5.04	2.40	0.08
12.95	4.39	1.89	0.30	15.55	5.05	2.40	0.08

Hydrograph for Subcatchment UPDA-5: PDA-5 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	2.41	0.08	18.20	5.37	2.66	0.05
15.65	5.06	2.41	0.08	18.25	5.37	2.67	0.05
15.70	5.07	2.42	0.08	18.30	5.38	2.67	0.05
15.75	5.08	2.43	0.08	18.35	5.38	2.67	0.05
15.80	5.09	2.43	0.08	18.40	5.39	2.68	0.05
15.85	5.09	2.44	0.08	18.45	5.39	2.68	0.05
15.90	5.10	2.44	0.08	18.50	5.40	2.68	0.05
15.95	5.11	2.45	0.08	18.55	5.40	2.69	0.05
16.00	5.11	2.46	0.08	18.60	5.40	2.69	0.05
16.05	5.12	2.46	0.08	18.65	5.41	2.69	0.05
16.10	5.13	2.47	0.08	18.70	5.41	2.70	0.05
16.15	5.13	2.47	0.07	18.75	5.42	2.70	0.05
16.20	5.14	2.48	0.07	18.80	5.42	2.71	0.05
16.25	5.15	2.48	0.07	18.85	5.43	2.71	0.05
16.30	5.16	2.49	0.07	18.90	5.43	2.71	0.05
16.35	5.16	2.49	0.07	18.95	5.44	2.72	0.05
16.40	5.17	2.50	0.07	19.00	5.44	2.72	0.05
16.45	5.17	2.50	0.07	19.05	5.44	2.72	0.05
16.50	5.18	2.51	0.07	19.10	5.45	2.73	0.05
16.55	5.19	2.52	0.07	19.15	5.45	2.73	0.05
16.60	5.19	2.52	0.07	19.20	5.46	2.73	0.05
16.65	5.20	2.53	0.07	19.25	5.46	2.74	0.05
16.70	5.21	2.53	0.07	19.30	5.47	2.74	0.05
16.75	5.21	2.54	0.07	19.35	5.47	2.75	0.05
16.80	5.22	2.54	0.07	19.40	5.48	2.75	0.05
16.85	5.23	2.55	0.07	19.45	5.48	2.75	0.05
16.90	5.23	2.55	0.07	19.50	5.48	2.76	0.05
16.95	5.24	2.55	0.07	19.55	5.49	2.76	0.05
17.00	5.24	2.56	0.06	19.60	5.49	2.76	0.05
17.05	5.25	2.56	0.06	19.65	5.50	2.77	0.05
17.10	5.25	2.57	0.06	19.70	5.50	2.77	0.05
17.15	5.26	2.57	0.06	19.75	5.50	2.77	0.05
17.20	5.27	2.58	0.06	19.80	5.51	2.78	0.05
17.25	5.27	2.58	0.06	19.85	5.51	2.78	0.05
17.30	5.28	2.59	0.06	19.90	5.52	2.78	0.05
17.35	5.28	2.59	0.06	19.95	5.52	2.79	0.05
17.40	5.29	2.60	0.06	20.00	5.53	2.79	0.05
17.45	5.29	2.60	0.06	20.05	5.53	2.79	0.04
17.50	5.30	2.61	0.06	20.10	5.53	2.80	0.04
17.55	5.30	2.61	0.06	20.15	5.54	2.80	0.04
17.60	5.31	2.61	0.06	20.20	5.54	2.80	0.04
17.65	5.31	2.62	0.06	20.25	5.55	2.81	0.04
17.70	5.32	2.62	0.06	20.30	5.55	2.81	0.04
17.75	5.33	2.63	0.06	20.35	5.55	2.81	0.04
17.80	5.33	2.63	0.06	20.40	5.56	2.82	0.04
17.85	5.34	2.63	0.05	20.45	5.56	2.82	0.04
17.90	5.34	2.64	0.05	20.50	5.57	2.82	0.04
17.95	5.34	2.64	0.05	20.55	5.57	2.83	0.04
18.00	5.35	2.65	0.05	20.60	5.57	2.83	0.04
18.05	5.35	2.65	0.05	20.65	5.58	2.83	0.04
18.10	5.36	2.65	0.05	20.70	5.58	2.84	0.04
18.15	5.36	2.66	0.05	20.75	5.59	2.84	0.04

Hydrograph for Subcatchment UPDA-5: PDA-5 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.84	0.04	23.40	5.77	2.99	0.03
20.85	5.59	2.85	0.04	23.45	5.78	3.00	0.03
20.90	5.60	2.85	0.04	23.50	5.78	3.00	0.03
20.95	5.60	2.85	0.04	23.55	5.78	3.00	0.03
21.00	5.61	2.86	0.04	23.60	5.78	3.00	0.03
21.05	5.61	2.86	0.04	23.65	5.79	3.01	0.03
21.10	5.61	2.86	0.04	23.70	5.79	3.01	0.03
21.15	5.62	2.87	0.04	23.75	5.79	3.01	0.03
21.20	5.62	2.87	0.04	23.80	5.80	3.01	0.03
21.25	5.62	2.87	0.04	23.85	5.80	3.02	0.03
21.30	5.63	2.87	0.04	23.90	5.80	3.02	0.03
21.35	5.63	2.88	0.04	23.95	5.81	3.02	0.03
21.40	5.64	2.88	0.04	24.00	**5.81**	**3.03**	0.04
21.45	5.64	2.88	0.04	24.05	5.81	3.03	0.04
21.50	5.64	2.89	0.04	24.10	5.81	3.03	0.03
21.55	5.65	2.89	0.04	24.15	5.81	3.03	0.01
21.60	5.65	2.89	0.04	24.20	5.81	3.03	0.00
21.65	5.65	2.90	0.04	24.25	5.81	3.03	0.00
21.70	5.66	2.90	0.04	24.30	5.81	3.03	0.00
21.75	5.66	2.90	0.04	24.35	5.81	3.03	0.00
21.80	5.66	2.90	0.04	24.40	5.81	3.03	0.00
21.85	5.67	2.91	0.04	24.45	5.81	3.03	0.00
21.90	5.67	2.91	0.04	24.50	5.81	3.03	0.00
21.95	5.68	2.91	0.04	24.55	5.81	3.03	0.00
22.00	5.68	2.92	0.04	24.60	5.81	3.03	0.00
22.05	5.68	2.92	0.04	24.65	5.81	3.03	0.00
22.10	5.69	2.92	0.04	24.70	5.81	3.03	0.00
22.15	5.69	2.93	0.04	24.75	5.81	3.03	0.00
22.20	5.69	2.93	0.04	24.80	5.81	3.03	0.00
22.25	5.70	2.93	0.04	24.85	5.81	3.03	0.00
22.30	5.70	2.93	0.04	24.90	5.81	3.03	0.00
22.35	5.70	2.94	0.04	24.95	5.81	3.03	0.00
22.40	5.71	2.94	0.04	25.00	5.81	3.03	0.00
22.45	5.71	2.94	0.04	25.05	5.81	3.03	0.00
22.50	5.71	2.95	0.04	25.10	5.81	3.03	0.00
22.55	5.72	2.95	0.04	25.15	5.81	3.03	0.00
22.60	5.72	2.95	0.04	25.20	5.81	3.03	0.00
22.65	5.72	2.95	0.04	25.25	5.81	3.03	0.00
22.70	5.73	2.96	0.04	25.30	5.81	3.03	0.00
22.75	5.73	2.96	0.04	25.35	5.81	3.03	0.00
22.80	5.73	2.96	0.04	25.40	5.81	3.03	0.00
22.85	5.74	2.96	0.04	25.45	5.81	3.03	0.00
22.90	5.74	2.97	0.04	25.50	5.81	3.03	0.00
22.95	5.74	2.97	0.04	25.55	5.81	3.03	0.00
23.00	5.75	2.97	0.04	25.60	5.81	3.03	0.00
23.05	5.75	2.98	0.04	25.65	5.81	3.03	0.00
23.10	5.75	2.98	0.04	25.70	5.81	3.03	0.00
23.15	5.76	2.98	0.04	25.75	5.81	3.03	0.00
23.20	5.76	2.98	0.04	25.80	5.81	3.03	0.00
23.25	5.76	2.99	0.04	25.85	5.81	3.03	0.00
23.30	5.77	2.99	0.04	25.90	5.81	3.03	0.00
23.35	5.77	2.99	0.03	25.95	5.81	3.03	0.00

Hydrograph for Subcatchment UPDA-5: PDA-5 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	3.03	0.00	28.60	5.81	3.03	0.00
26.05	5.81	3.03	0.00	28.65	5.81	3.03	0.00
26.10	5.81	3.03	0.00	28.70	5.81	3.03	0.00
26.15	5.81	3.03	0.00	28.75	5.81	3.03	0.00
26.20	5.81	3.03	0.00	28.80	5.81	3.03	0.00
26.25	5.81	3.03	0.00	28.85	5.81	3.03	0.00
26.30	5.81	3.03	0.00	28.90	5.81	3.03	0.00
26.35	5.81	3.03	0.00	28.95	5.81	3.03	0.00
26.40	5.81	3.03	0.00	29.00	5.81	3.03	0.00
26.45	5.81	3.03	0.00	29.05	5.81	3.03	0.00
26.50	5.81	3.03	0.00	29.10	5.81	3.03	0.00
26.55	5.81	3.03	0.00	29.15	5.81	3.03	0.00
26.60	5.81	3.03	0.00	29.20	5.81	3.03	0.00
26.65	5.81	3.03	0.00	29.25	5.81	3.03	0.00
26.70	5.81	3.03	0.00	29.30	5.81	3.03	0.00
26.75	5.81	3.03	0.00	29.35	5.81	3.03	0.00
26.80	5.81	3.03	0.00	29.40	5.81	3.03	0.00
26.85	5.81	3.03	0.00	29.45	5.81	3.03	0.00
26.90	5.81	3.03	0.00	29.50	5.81	3.03	0.00
26.95	5.81	3.03	0.00	29.55	5.81	3.03	0.00
27.00	5.81	3.03	0.00	29.60	5.81	3.03	0.00
27.05	5.81	3.03	0.00	29.65	5.81	3.03	0.00
27.10	5.81	3.03	0.00	29.70	5.81	3.03	0.00
27.15	5.81	3.03	0.00	29.75	5.81	3.03	0.00
27.20	5.81	3.03	0.00	29.80	5.81	3.03	0.00
27.25	5.81	3.03	0.00	29.85	5.81	3.03	0.00
27.30	5.81	3.03	0.00	29.90	5.81	3.03	0.00
27.35	5.81	3.03	0.00	29.95	5.81	3.03	0.00
27.40	5.81	3.03	0.00	30.00	5.81	3.03	0.00
27.45	5.81	3.03	0.00	30.05	5.81	3.03	0.00
27.50	5.81	3.03	0.00	30.10	5.81	3.03	0.00
27.55	5.81	3.03	0.00	30.15	5.81	3.03	0.00
27.60	5.81	3.03	0.00	30.20	5.81	3.03	0.00
27.65	5.81	3.03	0.00	30.25	5.81	3.03	0.00
27.70	5.81	3.03	0.00	30.30	5.81	3.03	0.00
27.75	5.81	3.03	0.00	30.35	5.81	3.03	0.00
27.80	5.81	3.03	0.00	30.40	5.81	3.03	0.00
27.85	5.81	3.03	0.00	30.45	5.81	3.03	0.00
27.90	5.81	3.03	0.00	30.50	5.81	3.03	0.00
27.95	5.81	3.03	0.00	30.55	5.81	3.03	0.00
28.00	5.81	3.03	0.00	30.60	5.81	3.03	0.00
28.05	5.81	3.03	0.00	30.65	5.81	3.03	0.00
28.10	5.81	3.03	0.00	30.70	5.81	3.03	0.00
28.15	5.81	3.03	0.00	30.75	5.81	3.03	0.00
28.20	5.81	3.03	0.00	30.80	5.81	3.03	0.00
28.25	5.81	3.03	0.00	30.85	5.81	3.03	0.00
28.30	5.81	3.03	0.00	30.90	5.81	3.03	0.00
28.35	5.81	3.03	0.00	30.95	5.81	3.03	0.00
28.40	5.81	3.03	0.00	31.00	5.81	3.03	0.00
28.45	5.81	3.03	0.00	31.05	5.81	3.03	0.00
28.50	5.81	3.03	0.00	31.10	5.81	3.03	0.00
28.55	5.81	3.03	0.00	31.15	5.81	3.03	0.00

Hydrograph for Subcatchment UPDA-5: PDA-5 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	3.03	0.00	33.80	5.81	3.03	0.00
31.25	5.81	3.03	0.00	33.85	5.81	3.03	0.00
31.30	5.81	3.03	0.00	33.90	5.81	3.03	0.00
31.35	5.81	3.03	0.00	33.95	5.81	3.03	0.00
31.40	5.81	3.03	0.00	34.00	5.81	3.03	0.00
31.45	5.81	3.03	0.00	34.05	5.81	3.03	0.00
31.50	5.81	3.03	0.00	34.10	5.81	3.03	0.00
31.55	5.81	3.03	0.00	34.15	5.81	3.03	0.00
31.60	5.81	3.03	0.00	34.20	5.81	3.03	0.00
31.65	5.81	3.03	0.00	34.25	5.81	3.03	0.00
31.70	5.81	3.03	0.00	34.30	5.81	3.03	0.00
31.75	5.81	3.03	0.00	34.35	5.81	3.03	0.00
31.80	5.81	3.03	0.00	34.40	5.81	3.03	0.00
31.85	5.81	3.03	0.00	34.45	5.81	3.03	0.00
31.90	5.81	3.03	0.00	34.50	5.81	3.03	0.00
31.95	5.81	3.03	0.00	34.55	5.81	3.03	0.00
32.00	5.81	3.03	0.00	34.60	5.81	3.03	0.00
32.05	5.81	3.03	0.00	34.65	5.81	3.03	0.00
32.10	5.81	3.03	0.00	34.70	5.81	3.03	0.00
32.15	5.81	3.03	0.00	34.75	5.81	3.03	0.00
32.20	5.81	3.03	0.00	34.80	5.81	3.03	0.00
32.25	5.81	3.03	0.00	34.85	5.81	3.03	0.00
32.30	5.81	3.03	0.00	34.90	5.81	3.03	0.00
32.35	5.81	3.03	0.00	34.95	5.81	3.03	0.00
32.40	5.81	3.03	0.00	35.00	5.81	3.03	0.00
32.45	5.81	3.03	0.00	35.05	5.81	3.03	0.00
32.50	5.81	3.03	0.00	35.10	5.81	3.03	0.00
32.55	5.81	3.03	0.00	35.15	5.81	3.03	0.00
32.60	5.81	3.03	0.00	35.20	5.81	3.03	0.00
32.65	5.81	3.03	0.00	35.25	5.81	3.03	0.00
32.70	5.81	3.03	0.00	35.30	5.81	3.03	0.00
32.75	5.81	3.03	0.00	35.35	5.81	3.03	0.00
32.80	5.81	3.03	0.00	35.40	5.81	3.03	0.00
32.85	5.81	3.03	0.00	35.45	5.81	3.03	0.00
32.90	5.81	3.03	0.00	35.50	5.81	3.03	0.00
32.95	5.81	3.03	0.00	35.55	5.81	3.03	0.00
33.00	5.81	3.03	0.00	35.60	5.81	3.03	0.00
33.05	5.81	3.03	0.00	35.65	5.81	3.03	0.00
33.10	5.81	3.03	0.00	35.70	5.81	3.03	0.00
33.15	5.81	3.03	0.00	35.75	5.81	3.03	0.00
33.20	5.81	3.03	0.00	35.80	5.81	3.03	0.00
33.25	5.81	3.03	0.00	35.85	5.81	3.03	0.00
33.30	5.81	3.03	0.00	35.90	5.81	3.03	0.00
33.35	5.81	3.03	0.00	35.95	5.81	3.03	0.00
33.40	5.81	3.03	0.00	36.00	5.81	3.03	0.00
33.45	5.81	3.03	0.00	36.05	5.81	3.03	0.00
33.50	5.81	3.03	0.00	36.10	5.81	3.03	0.00
33.55	5.81	3.03	0.00	36.15	5.81	3.03	0.00
33.60	5.81	3.03	0.00	36.20	5.81	3.03	0.00
33.65	5.81	3.03	0.00	36.25	5.81	3.03	0.00
33.70	5.81	3.03	0.00	36.30	5.81	3.03	0.00
33.75	5.81	3.03	0.00	36.35	5.81	3.03	0.00

Hydrograph for Subcatchment UPDA-5: PDA-5 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	3.03	0.00
36.45	5.81	3.03	0.00
36.50	5.81	3.03	0.00
36.55	5.81	3.03	0.00
36.60	5.81	3.03	0.00
36.65	5.81	3.03	0.00
36.70	5.81	3.03	0.00
36.75	5.81	3.03	0.00
36.80	5.81	3.03	0.00
36.85	5.81	3.03	0.00
36.90	5.81	3.03	0.00
36.95	5.81	3.03	0.00
37.00	5.81	3.03	0.00
37.05	5.81	3.03	0.00
37.10	5.81	3.03	0.00
37.15	5.81	3.03	0.00
37.20	5.81	3.03	0.00
37.25	5.81	3.03	0.00
37.30	5.81	3.03	0.00
37.35	5.81	3.03	0.00
37.40	5.81	3.03	0.00
37.45	5.81	3.03	0.00
37.50	5.81	3.03	0.00
37.55	5.81	3.03	0.00
37.60	5.81	3.03	0.00
37.65	5.81	3.03	0.00
37.70	5.81	3.03	0.00
37.75	5.81	3.03	0.00
37.80	5.81	3.03	0.00
37.85	5.81	3.03	0.00
37.90	5.81	3.03	0.00
37.95	5.81	3.03	0.00
38.00	5.81	3.03	0.00
38.05	5.81	3.03	0.00
38.10	5.81	3.03	0.00
38.15	5.81	3.03	0.00
38.20	5.81	3.03	0.00
38.25	5.81	3.03	0.00
38.30	5.81	3.03	0.00
38.35	5.81	3.03	0.00
38.40	5.81	3.03	0.00
38.45	5.81	3.03	0.00
38.50	5.81	3.03	0.00
38.55	5.81	3.03	0.00
38.60	5.81	3.03	0.00
38.65	5.81	3.03	0.00
38.70	5.81	3.03	0.00
38.75	5.81	3.03	0.00
38.80	5.81	3.03	0.00
38.85	5.81	3.03	0.00
38.90	5.81	3.03	0.00
38.95	5.81	3.03	0.00
39.00	5.81	3.03	0.00
39.05	5.81	3.03	0.00
39.10	5.81	3.03	0.00
39.15	5.81	3.03	0.00
39.20	5.81	3.03	0.00
39.25	5.81	3.03	0.00
39.30	5.81	3.03	0.00
39.35	5.81	3.03	0.00
39.40	5.81	3.03	0.00
39.45	5.81	3.03	0.00
39.50	5.81	3.03	0.00
39.55	5.81	3.03	0.00
39.60	5.81	3.03	0.00
39.65	5.81	3.03	0.00
39.70	5.81	3.03	0.00
39.75	5.81	3.03	0.00
39.80	5.81	3.03	0.00
39.85	5.81	3.03	0.00
39.90	5.81	3.03	0.00
39.95	5.81	3.03	0.00
40.00	5.81	3.03	0.00

Summary for Pond B-48: Basin #48

Inflow Area = 2.265 ac, 34.26% Impervious, Inflow Depth = 3.90" for Future 10 yr event
Inflow = 8.80 cfs @ 12.11 hrs, Volume= 0.736 af
Outflow = 0.63 cfs @ 13.58 hrs, Volume= 0.501 af, Atten= 93%, Lag= 88.1 min
Primary = 0.63 cfs @ 13.58 hrs, Volume= 0.501 af
Routed to Link PDA-5 : Proposed Drainage Area #5

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 193.10' @ 13.58 hrs Surf.Area= 11,524 sf Storage= 21,392 cf

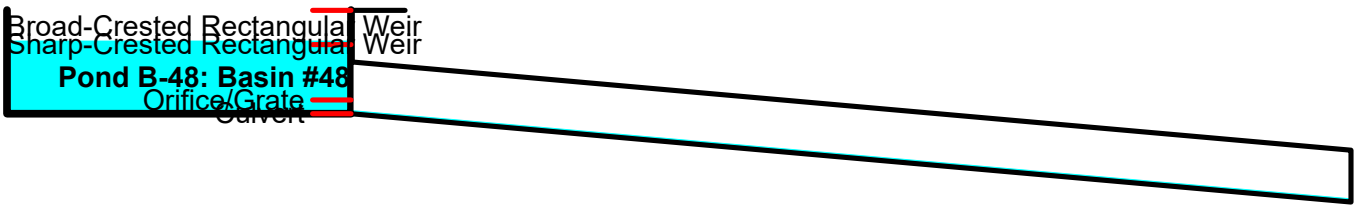
Plug-Flow detention time= 697.1 min calculated for 0.501 af (68% of inflow)
Center-of-Mass det. time= 593.3 min (1,385.1 - 791.7)

Volume	Invert	Avail.Storage	Storage Description
#1	191.00'	32,287 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

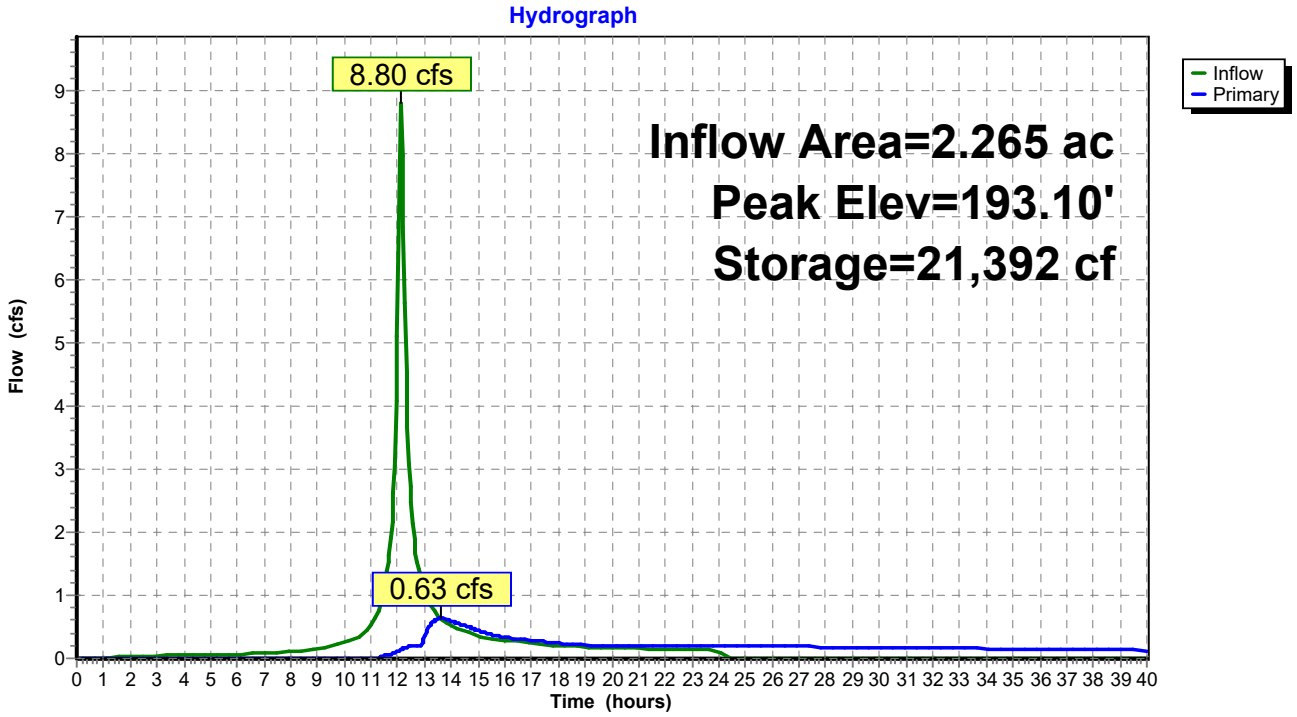
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
191.00	8,869	0	0
192.00	10,100	9,485	9,485
193.00	11,387	10,744	20,228
194.00	12,731	12,059	32,287

Device	Routing	Invert	Outlet Devices
#1	Primary	191.00'	**18.0" Round Culvert** L= 185.0' Ke= 0.500 Inlet / Outlet Invert= 191.00' / 188.45' S= 0.0138 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	191.40'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	193.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	193.99'	**50.0' long + 3.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

Primary OutFlow Max=0.63 cfs @ 13.58 hrs HW=193.10' (Free Discharge)
- **1=Culvert** (Passes 0.63 cfs of 9.89 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.21 cfs @ 6.09 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 0.42 cfs @ 1.04 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-48: Basin #48



Hydrograph for Pond B-48: Basin #48

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	191.00	0.00
0.10	0.00	0	191.00	0.00
0.20	0.00	0	191.00	0.00
0.30	0.00	0	191.00	0.00
0.40	0.00	0	191.00	0.00
0.50	0.00	0	191.00	0.00
0.60	0.00	0	191.00	0.00
0.70	0.00	0	191.00	0.00
0.80	0.00	1	191.00	0.00
0.90	0.01	2	191.00	0.00
1.00	0.01	5	191.00	0.00
1.10	0.01	8	191.00	0.00
1.20	0.01	13	191.00	0.00
1.30	0.02	18	191.00	0.00
1.40	0.02	24	191.00	0.00
1.50	0.02	30	191.00	0.00
1.60	0.02	38	191.00	0.00
1.70	0.02	46	191.01	0.00
1.80	0.02	54	191.01	0.00
1.90	0.03	64	191.01	0.00
2.00	0.03	74	191.01	0.00
2.10	0.03	84	191.01	0.00
2.20	0.03	95	191.01	0.00
2.30	0.03	106	191.01	0.00
2.40	0.03	118	191.01	0.00
2.50	0.03	131	191.01	0.00
2.60	0.04	143	191.02	0.00
2.70	0.04	157	191.02	0.00
2.80	0.04	170	191.02	0.00
2.90	0.04	185	191.02	0.00
3.00	0.04	199	191.02	0.00
3.10	0.04	214	191.02	0.00
3.20	0.04	229	191.03	0.00
3.30	0.04	245	191.03	0.00
3.40	0.05	261	191.03	0.00
3.50	0.05	277	191.03	0.00
3.60	0.05	294	191.03	0.00
3.70	0.05	311	191.04	0.00
3.80	0.05	329	191.04	0.00
3.90	0.05	346	191.04	0.00
4.00	0.05	364	191.04	0.00
4.10	0.05	383	191.04	0.00
4.20	0.05	401	191.05	0.00
4.30	0.05	421	191.05	0.00
4.40	0.05	440	191.05	0.00
4.50	0.05	459	191.05	0.00
4.60	0.06	479	191.05	0.00
4.70	0.06	499	191.06	0.00
4.80	0.06	520	191.06	0.00
4.90	0.06	540	191.06	0.00
5.00	0.06	561	191.06	0.00
5.10	0.06	582	191.07	0.00

Hydrograph for Pond B-48: Basin #48 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.06	604	191.07	0.00
5.30	0.06	625	191.07	0.00
5.40	0.06	647	191.07	0.00
5.50	0.06	670	191.08	0.00
5.60	0.06	692	191.08	0.00
5.70	0.06	715	191.08	0.00
5.80	0.06	737	191.08	0.00
5.90	0.06	761	191.09	0.00
6.00	0.07	784	191.09	0.00
6.10	0.07	808	191.09	0.00
6.20	0.07	832	191.09	0.00
6.30	0.07	858	191.10	0.00
6.40	0.07	883	191.10	0.00
6.50	0.07	910	191.10	0.00
6.60	0.08	937	191.10	0.00
6.70	0.08	965	191.11	0.00
6.80	0.08	994	191.11	0.00
6.90	0.08	1,023	191.11	0.00
7.00	0.08	1,053	191.12	0.00
7.10	0.09	1,083	191.12	0.00
7.20	0.09	1,115	191.12	0.00
7.30	0.09	1,147	191.13	0.00
7.40	0.09	1,179	191.13	0.00
7.50	0.09	1,213	191.14	0.00
7.60	0.10	1,247	191.14	0.00
7.70	0.10	1,281	191.14	0.00
7.80	0.10	1,317	191.15	0.00
7.90	0.10	1,353	191.15	0.00
8.00	0.10	1,390	191.16	0.00
8.10	0.10	1,427	191.16	0.00
8.20	0.11	1,465	191.16	0.00
8.30	0.11	1,505	191.17	0.00
8.40	0.11	1,545	191.17	0.00
8.50	0.12	1,587	191.18	0.00
8.60	0.12	1,630	191.18	0.00
8.70	0.13	1,674	191.19	0.00
8.80	0.13	1,720	191.19	0.00
8.90	0.13	1,768	191.20	0.00
9.00	0.14	1,817	191.20	0.00
9.10	0.15	1,868	191.21	0.00
9.20	0.16	1,923	191.21	0.00
9.30	0.17	1,981	191.22	0.00
9.40	0.18	2,043	191.23	0.00
9.50	0.19	2,109	191.23	0.00
9.60	0.20	2,178	191.24	0.00
9.70	0.21	2,252	191.25	0.00
9.80	0.22	2,330	191.26	0.00
9.90	0.23	2,412	191.27	0.00
10.00	0.25	2,499	191.28	0.00
10.10	0.26	2,591	191.29	0.00
10.20	0.27	2,687	191.30	0.00
10.30	0.29	2,788	191.31	0.00

Hydrograph for Pond B-48: Basin #48 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.30	2,893	191.32	0.00
10.50	0.32	3,004	191.33	0.00
10.60	0.35	3,125	191.34	0.00
10.70	0.39	3,258	191.36	0.00
10.80	0.44	3,407	191.37	0.00
10.90	0.48	3,573	191.39	0.00
11.00	0.53	3,755	191.41	0.00
11.10	0.60	3,959	191.43	0.00
11.20	0.69	4,191	191.46	0.01
11.30	0.78	4,453	191.49	0.01
11.40	0.88	4,747	191.52	0.02
11.50	0.97	5,070	191.55	0.03
11.60	1.38	5,480	191.59	0.05
11.70	1.63	6,003	191.65	0.06
11.80	2.16	6,663	191.72	0.08
11.90	3.05	7,573	191.81	0.09
12.00	5.10	9,006	191.95	0.11
12.10	**8.75**	11,471	192.19	0.14
12.20	6.83	14,254	192.46	0.16
12.30	4.53	16,232	192.64	0.18
12.40	3.09	17,515	192.76	0.18
12.50	2.47	18,436	192.84	0.19
12.60	1.88	19,145	192.90	0.19
12.70	1.52	19,681	192.95	0.20
12.80	1.34	20,121	192.99	0.20
12.90	1.21	20,498	193.02	0.26
13.00	1.09	20,800	193.05	0.35
13.10	0.97	21,025	193.07	0.45
13.20	0.88	21,182	193.08	0.52
13.30	0.81	21,286	193.09	0.58
13.40	0.74	21,352	193.10	0.61
13.50	0.68	21,385	193.10	0.63
13.60	0.62	**21,392**	**193.10**	**0.63**
13.70	0.58	21,380	193.10	0.62
13.80	0.55	21,361	193.10	0.61
13.90	0.53	21,338	193.10	0.60
14.00	0.52	21,313	193.09	0.59
14.10	0.50	21,286	193.09	0.58
14.20	0.48	21,259	193.09	0.56
14.30	0.47	21,231	193.09	0.55
14.40	0.45	21,201	193.09	0.53
14.50	0.43	21,172	193.08	0.52
14.60	0.42	21,141	193.08	0.50
14.70	0.40	21,110	193.08	0.49
14.80	0.38	21,079	193.07	0.47
14.90	0.37	21,047	193.07	0.46
15.00	0.35	21,015	193.07	0.44
15.10	0.33	20,981	193.07	0.43
15.20	0.32	20,948	193.06	0.41
15.30	0.32	20,916	193.06	0.40
15.40	0.31	20,887	193.06	0.39
15.50	0.31	20,860	193.06	0.38

Hydrograph for Pond B-48: Basin #48 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.30	20,835	193.05	0.37
15.70	0.30	20,813	193.05	0.36
15.80	0.29	20,791	193.05	0.35
15.90	0.29	20,771	193.05	0.34
16.00	0.29	20,753	193.05	0.34
16.10	0.28	20,735	193.04	0.33
16.20	0.28	20,719	193.04	0.32
16.30	0.27	20,703	193.04	0.32
16.40	0.27	20,687	193.04	0.31
16.50	0.26	20,672	193.04	0.30
16.60	0.26	20,657	193.04	0.30
16.70	0.25	20,642	193.04	0.30
16.80	0.25	20,627	193.03	0.29
16.90	0.25	20,612	193.03	0.29
17.00	0.24	20,596	193.03	0.28
17.10	0.24	20,581	193.03	0.28
17.20	0.23	20,565	193.03	0.28
17.30	0.23	20,549	193.03	0.27
17.40	0.22	20,533	193.03	0.27
17.50	0.22	20,517	193.03	0.26
17.60	0.21	20,501	193.02	0.26
17.70	0.21	20,485	193.02	0.25
17.80	0.20	20,469	193.02	0.25
17.90	0.20	20,453	193.02	0.24
18.00	0.20	20,437	193.02	0.24
18.10	0.19	20,421	193.02	0.24
18.20	0.19	20,405	193.02	0.23
18.30	0.19	20,389	193.01	0.23
18.40	0.19	20,375	193.01	0.22
18.50	0.18	20,362	193.01	0.22
18.60	0.18	20,349	193.01	0.22
18.70	0.18	20,337	193.01	0.21
18.80	0.18	20,326	193.01	0.21
18.90	0.18	20,314	193.01	0.21
19.00	0.18	20,303	193.01	0.21
19.10	0.18	20,291	193.01	0.21
19.20	0.18	20,280	193.00	0.21
19.30	0.17	20,269	193.00	0.21
19.40	0.17	20,258	193.00	0.20
19.50	0.17	20,247	193.00	0.20
19.60	0.17	20,236	193.00	0.20
19.70	0.17	20,225	193.00	0.20
19.80	0.17	20,214	193.00	0.20
19.90	0.17	20,203	193.00	0.20
20.00	0.17	20,191	193.00	0.20
20.10	0.17	20,179	193.00	0.20
20.20	0.16	20,167	192.99	0.20
20.30	0.16	20,154	192.99	0.20
20.40	0.16	20,140	192.99	0.20
20.50	0.16	20,126	192.99	0.20
20.60	0.16	20,112	192.99	0.20
20.70	0.16	20,098	192.99	0.20

Hydrograph for Pond B-48: Basin #48 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.16	20,083	192.99	0.20
20.90	0.16	20,068	192.99	0.20
21.00	0.16	20,052	192.98	0.20
21.10	0.15	20,036	192.98	0.20
21.20	0.15	20,020	192.98	0.20
21.30	0.15	20,003	192.98	0.20
21.40	0.15	19,986	192.98	0.20
21.50	0.15	19,969	192.98	0.20
21.60	0.15	19,951	192.98	0.20
21.70	0.15	19,933	192.97	0.20
21.80	0.15	19,914	192.97	0.20
21.90	0.15	19,896	192.97	0.20
22.00	0.14	19,876	192.97	0.20
22.10	0.14	19,857	192.97	0.20
22.20	0.14	19,837	192.97	0.20
22.30	0.14	19,816	192.96	0.20
22.40	0.14	19,796	192.96	0.20
22.50	0.14	19,774	192.96	0.20
22.60	0.14	19,753	192.96	0.20
22.70	0.14	19,731	192.96	0.20
22.80	0.14	19,709	192.95	0.20
22.90	0.13	19,686	192.95	0.20
23.00	0.13	19,663	192.95	0.20
23.10	0.13	19,640	192.95	0.20
23.20	0.13	19,617	192.95	0.20
23.30	0.13	19,592	192.94	0.20
23.40	0.13	19,568	192.94	0.20
23.50	0.13	19,543	192.94	0.20
23.60	0.13	19,518	192.94	0.20
23.70	0.13	19,493	192.94	0.20
23.80	0.12	19,467	192.93	0.20
23.90	0.12	19,441	192.93	0.20
24.00	0.14	19,417	192.93	0.20
24.10	0.07	19,384	192.93	0.20
24.20	0.02	19,330	192.92	0.20
24.30	0.01	19,265	192.91	0.19
24.40	0.00	19,196	192.91	0.19
24.50	0.00	19,126	192.90	0.19
24.60	0.00	19,056	192.90	0.19
24.70	0.00	18,987	192.89	0.19
24.80	0.00	18,917	192.88	0.19
24.90	0.00	18,848	192.88	0.19
25.00	0.00	18,779	192.87	0.19
25.10	0.00	18,710	192.87	0.19
25.20	0.00	18,641	192.86	0.19
25.30	0.00	18,572	192.85	0.19
25.40	0.00	18,503	192.85	0.19
25.50	0.00	18,435	192.84	0.19
25.60	0.00	18,367	192.84	0.19
25.70	0.00	18,299	192.83	0.19
25.80	0.00	18,231	192.82	0.19
25.90	0.00	18,163	192.82	0.19

Hydrograph for Pond B-48: Basin #48 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	18,095	192.81	0.19
26.10	0.00	18,028	192.80	0.19
26.20	0.00	17,961	192.80	0.19
26.30	0.00	17,893	192.79	0.19
26.40	0.00	17,826	192.79	0.19
26.50	0.00	17,760	192.78	0.19
26.60	0.00	17,693	192.77	0.18
26.70	0.00	17,626	192.77	0.18
26.80	0.00	17,560	192.76	0.18
26.90	0.00	17,494	192.76	0.18
27.00	0.00	17,428	192.75	0.18
27.10	0.00	17,362	192.74	0.18
27.20	0.00	17,296	192.74	0.18
27.30	0.00	17,231	192.73	0.18
27.40	0.00	17,165	192.73	0.18
27.50	0.00	17,100	192.72	0.18
27.60	0.00	17,035	192.71	0.18
27.70	0.00	16,970	192.71	0.18
27.80	0.00	16,905	192.70	0.18
27.90	0.00	16,841	192.70	0.18
28.00	0.00	16,776	192.69	0.18
28.10	0.00	16,712	192.69	0.18
28.20	0.00	16,648	192.68	0.18
28.30	0.00	16,584	192.67	0.18
28.40	0.00	16,520	192.67	0.18
28.50	0.00	16,456	192.66	0.18
28.60	0.00	16,393	192.66	0.18
28.70	0.00	16,329	192.65	0.18
28.80	0.00	16,266	192.64	0.18
28.90	0.00	16,203	192.64	0.17
29.00	0.00	16,140	192.63	0.17
29.10	0.00	16,077	192.63	0.17
29.20	0.00	16,015	192.62	0.17
29.30	0.00	15,953	192.62	0.17
29.40	0.00	15,890	192.61	0.17
29.50	0.00	15,828	192.60	0.17
29.60	0.00	15,766	192.60	0.17
29.70	0.00	15,705	192.59	0.17
29.80	0.00	15,643	192.59	0.17
29.90	0.00	15,582	192.58	0.17
30.00	0.00	15,520	192.58	0.17
30.10	0.00	15,459	192.57	0.17
30.20	0.00	15,398	192.57	0.17
30.30	0.00	15,337	192.56	0.17
30.40	0.00	15,277	192.55	0.17
30.50	0.00	15,216	192.55	0.17
30.60	0.00	15,156	192.54	0.17
30.70	0.00	15,096	192.54	0.17
30.80	0.00	15,036	192.53	0.17
30.90	0.00	14,976	192.53	0.17
31.00	0.00	14,917	192.52	0.17
31.10	0.00	14,857	192.52	0.17

Hydrograph for Pond B-48: Basin #48 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	14,798	192.51	0.16
31.30	0.00	14,739	192.50	0.16
31.40	0.00	14,680	192.50	0.16
31.50	0.00	14,621	192.49	0.16
31.60	0.00	14,562	192.49	0.16
31.70	0.00	14,504	192.48	0.16
31.80	0.00	14,445	192.48	0.16
31.90	0.00	14,387	192.47	0.16
32.00	0.00	14,329	192.47	0.16
32.10	0.00	14,271	192.46	0.16
32.20	0.00	14,213	192.46	0.16
32.30	0.00	14,156	192.45	0.16
32.40	0.00	14,098	192.44	0.16
32.50	0.00	14,041	192.44	0.16
32.60	0.00	13,984	192.43	0.16
32.70	0.00	13,927	192.43	0.16
32.80	0.00	13,871	192.42	0.16
32.90	0.00	13,814	192.42	0.16
33.00	0.00	13,758	192.41	0.16
33.10	0.00	13,701	192.41	0.16
33.20	0.00	13,645	192.40	0.16
33.30	0.00	13,590	192.40	0.16
33.40	0.00	13,534	192.39	0.15
33.50	0.00	13,478	192.39	0.15
33.60	0.00	13,423	192.38	0.15
33.70	0.00	13,368	192.38	0.15
33.80	0.00	13,313	192.37	0.15
33.90	0.00	13,258	192.37	0.15
34.00	0.00	13,203	192.36	0.15
34.10	0.00	13,148	192.35	0.15
34.20	0.00	13,094	192.35	0.15
34.30	0.00	13,040	192.34	0.15
34.40	0.00	12,986	192.34	0.15
34.50	0.00	12,932	192.33	0.15
34.60	0.00	12,878	192.33	0.15
34.70	0.00	12,824	192.32	0.15
34.80	0.00	12,771	192.32	0.15
34.90	0.00	12,718	192.31	0.15
35.00	0.00	12,665	192.31	0.15
35.10	0.00	12,612	192.30	0.15
35.20	0.00	12,559	192.30	0.15
35.30	0.00	12,506	192.29	0.15
35.40	0.00	12,454	192.29	0.15
35.50	0.00	12,402	192.28	0.14
35.60	0.00	12,350	192.28	0.14
35.70	0.00	12,298	192.27	0.14
35.80	0.00	12,246	192.27	0.14
35.90	0.00	12,194	192.26	0.14
36.00	0.00	12,143	192.26	0.14
36.10	0.00	12,092	192.25	0.14
36.20	0.00	12,041	192.25	0.14
36.30	0.00	11,990	192.24	0.14

Hydrograph for Pond B-48: Basin #48 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	11,939	192.24	0.14
36.50	0.00	11,888	192.23	0.14
36.60	0.00	11,838	192.23	0.14
36.70	0.00	11,788	192.22	0.14
36.80	0.00	11,738	192.22	0.14
36.90	0.00	11,688	192.22	0.14
37.00	0.00	11,638	192.21	0.14
37.10	0.00	11,588	192.21	0.14
37.20	0.00	11,539	192.20	0.14
37.30	0.00	11,490	192.20	0.14
37.40	0.00	11,441	192.19	0.14
37.50	0.00	11,392	192.19	0.14
37.60	0.00	11,343	192.18	0.14
37.70	0.00	11,294	192.18	0.13
37.80	0.00	11,246	192.17	0.13
37.90	0.00	11,198	192.17	0.13
38.00	0.00	11,150	192.16	0.13
38.10	0.00	11,102	192.16	0.13
38.20	0.00	11,054	192.15	0.13
38.30	0.00	11,007	192.15	0.13
38.40	0.00	10,959	192.14	0.13
38.50	0.00	10,912	192.14	0.13
38.60	0.00	10,865	192.14	0.13
38.70	0.00	10,818	192.13	0.13
38.80	0.00	10,772	192.13	0.13
38.90	0.00	10,725	192.12	0.13
39.00	0.00	10,679	192.12	0.13
39.10	0.00	10,632	192.11	0.13
39.20	0.00	10,586	192.11	0.13
39.30	0.00	10,541	192.10	0.13
39.40	0.00	10,495	192.10	0.13
39.50	0.00	10,449	192.09	0.13
39.60	0.00	10,404	192.09	0.13
39.70	0.00	10,359	192.09	0.13
39.80	0.00	10,314	192.08	0.12
39.90	0.00	10,269	192.08	0.12
40.00	0.00	10,225	192.07	0.12

Stage-Discharge for Pond B-48: Basin #48

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
191.00	0.00	191.52	0.02	192.04	0.12	192.56	0.17
191.01	0.00	191.53	0.03	192.05	0.12	192.57	0.17
191.02	0.00	191.54	0.03	192.06	0.12	192.58	0.17
191.03	0.00	191.55	0.03	192.07	0.12	192.59	0.17
191.04	0.00	191.56	0.04	192.08	0.12	192.60	0.17
191.05	0.00	191.57	0.04	192.09	0.13	192.61	0.17
191.06	0.00	191.58	0.05	192.10	0.13	192.62	0.17
191.07	0.00	191.59	0.05	192.11	0.13	192.63	0.17
191.08	0.00	191.60	0.05	192.12	0.13	192.64	0.17
191.09	0.00	191.61	0.05	192.13	0.13	192.65	0.18
191.10	0.00	191.62	0.06	192.14	0.13	192.66	0.18
191.11	0.00	191.63	0.06	192.15	0.13	192.67	0.18
191.12	0.00	191.64	0.06	192.16	0.13	192.68	0.18
191.13	0.00	191.65	0.06	192.17	0.13	192.69	0.18
191.14	0.00	191.66	0.06	192.18	0.13	192.70	0.18
191.15	0.00	191.67	0.07	192.19	0.14	192.71	0.18
191.16	0.00	191.68	0.07	192.20	0.14	192.72	0.18
191.17	0.00	191.69	0.07	192.21	0.14	192.73	0.18
191.18	0.00	191.70	0.07	192.22	0.14	192.74	0.18
191.19	0.00	191.71	0.07	192.23	0.14	192.75	0.18
191.20	0.00	191.72	0.08	192.24	0.14	192.76	0.18
191.21	0.00	191.73	0.08	192.25	0.14	192.77	0.18
191.22	0.00	191.74	0.08	192.26	0.14	192.78	0.19
191.23	0.00	191.75	0.08	192.27	0.14	192.79	0.19
191.24	0.00	191.76	0.08	192.28	0.14	192.80	0.19
191.25	0.00	191.77	0.08	192.29	0.15	192.81	0.19
191.26	0.00	191.78	0.09	192.30	0.15	192.82	0.19
191.27	0.00	191.79	0.09	192.31	0.15	192.83	0.19
191.28	0.00	191.80	0.09	192.32	0.15	192.84	0.19
191.29	0.00	191.81	0.09	192.33	0.15	192.85	0.19
191.30	0.00	191.82	0.09	192.34	0.15	192.86	0.19
191.31	0.00	191.83	0.09	192.35	0.15	192.87	0.19
191.32	0.00	191.84	0.10	192.36	0.15	192.88	0.19
191.33	0.00	191.85	0.10	192.37	0.15	192.89	0.19
191.34	0.00	191.86	0.10	192.38	0.15	192.90	0.19
191.35	0.00	191.87	0.10	192.39	0.15	192.91	0.19
191.36	0.00	191.88	0.10	192.40	0.16	192.92	0.20
191.37	0.00	191.89	0.10	192.41	0.16	192.93	0.20
191.38	0.00	191.90	0.10	192.42	0.16	192.94	0.20
191.39	0.00	191.91	0.10	192.43	0.16	192.95	0.20
191.40	0.00	191.92	0.11	192.44	0.16	192.96	0.20
191.41	0.00	191.93	0.11	192.45	0.16	192.97	0.20
191.42	0.00	191.94	0.11	192.46	0.16	192.98	0.20
191.43	0.00	191.95	0.11	192.47	0.16	192.99	0.20
191.44	0.00	191.96	0.11	192.48	0.16	193.00	0.20
191.45	0.00	191.97	0.11	192.49	0.16	193.01	0.21
191.46	0.01	191.98	0.11	192.50	0.16	193.02	0.24
191.47	0.01	191.99	0.11	192.51	0.16	193.03	0.27
191.48	0.01	192.00	0.12	192.52	0.17	193.04	0.31
191.49	0.01	192.01	0.12	192.53	0.17	193.05	0.35
191.50	0.02	192.02	0.12	192.54	0.17	193.06	0.40
191.51	0.02	192.03	0.12	192.55	0.17	193.07	0.45

Stage-Discharge for Pond B-48: Basin #48 (continued)

Elevation (feet)	Primary (cfs)
193.08	0.50
193.09	0.56
193.10	0.62
193.11	0.68
193.12	0.75
193.13	0.82
193.14	0.89
193.15	0.96
193.16	1.04
193.17	1.12
193.18	1.20
193.19	1.29
193.20	1.37
193.21	1.46
193.22	1.55
193.23	1.64
193.24	1.74
193.25	1.83
193.26	1.93
193.27	2.03
193.28	2.13
193.29	2.23
193.30	2.34
193.31	2.44
193.32	2.55
193.33	2.66
193.34	2.77
193.35	2.88
193.36	3.00
193.37	3.11
193.38	3.23
193.39	3.35
193.40	3.47
193.41	3.59
193.42	3.71
193.43	3.84
193.44	3.96
193.45	4.09
193.46	4.22
193.47	4.35
193.48	4.48
193.49	4.61
193.50	4.74
193.51	4.87
193.52	5.01
193.53	5.15
193.54	5.28
193.55	5.42
193.56	5.56
193.57	5.70
193.58	5.85
193.59	5.99
193.60	6.13
193.61	6.28
193.62	6.43
193.63	6.57
193.64	6.72
193.65	6.87
193.66	7.02
193.67	7.17
193.68	7.33
193.69	7.48
193.70	7.64
193.71	7.79
193.72	7.95
193.73	8.11
193.74	8.26
193.75	8.42
193.76	8.58
193.77	8.74
193.78	8.91
193.79	9.07
193.80	9.23
193.81	9.40
193.82	9.56
193.83	9.73
193.84	9.90
193.85	10.07
193.86	10.24
193.87	10.40
193.88	10.58
193.89	10.75
193.90	10.92
193.91	11.09
193.92	11.27
193.93	11.44
193.94	11.62
193.95	11.79
193.96	11.97
193.97	12.15
193.98	12.33
193.99	12.51
194.00	**12.81**

Stage-Area-Storage for Pond B-48: Basin #48

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
191.00	8,869	0	191.52	9,509	4,778
191.01	8,881	89	191.53	9,521	4,873
191.02	8,894	178	191.54	9,534	4,969
191.03	8,906	267	191.55	9,546	5,064
191.04	8,918	356	191.56	9,558	5,160
191.05	8,931	445	191.57	9,571	5,255
191.06	8,943	534	191.58	9,583	5,351
191.07	8,955	624	191.59	9,595	5,447
191.08	8,967	713	191.60	9,608	5,543
191.09	8,980	803	191.61	9,620	5,639
191.10	8,992	893	191.62	9,632	5,735
191.11	9,004	983	191.63	9,645	5,832
191.12	9,017	1,073	191.64	9,657	5,928
191.13	9,029	1,163	191.65	9,669	6,025
191.14	9,041	1,254	191.66	9,681	6,122
191.15	9,054	1,344	191.67	9,694	6,219
191.16	9,066	1,435	191.68	9,706	6,316
191.17	9,078	1,526	191.69	9,718	6,413
191.18	9,091	1,616	191.70	9,731	6,510
191.19	9,103	1,707	191.71	9,743	6,607
191.20	9,115	1,798	191.72	9,755	6,705
191.21	9,128	1,890	191.73	9,768	6,802
191.22	9,140	1,981	191.74	9,780	6,900
191.23	9,152	2,072	191.75	9,792	6,998
191.24	9,164	2,164	191.76	9,805	7,096
191.25	9,177	2,256	191.77	9,817	7,194
191.26	9,189	2,348	191.78	9,829	7,292
191.27	9,201	2,439	191.79	9,841	7,391
191.28	9,214	2,532	191.80	9,854	7,489
191.29	9,226	2,624	191.81	9,866	7,588
191.30	9,238	2,716	191.82	9,878	7,686
191.31	9,251	2,809	191.83	9,891	7,785
191.32	9,263	2,901	191.84	9,903	7,884
191.33	9,275	2,994	191.85	9,915	7,983
191.34	9,288	3,087	191.86	9,928	8,083
191.35	9,300	3,180	191.87	9,940	8,182
191.36	9,312	3,273	191.88	9,952	8,281
191.37	9,324	3,366	191.89	9,965	8,381
191.38	9,337	3,459	191.90	9,977	8,481
191.39	9,349	3,553	191.91	9,989	8,580
191.40	9,361	3,646	191.92	10,002	8,680
191.41	9,374	3,740	191.93	10,014	8,781
191.42	9,386	3,834	191.94	10,026	8,881
191.43	9,398	3,927	191.95	10,038	8,981
191.44	9,411	4,022	191.96	10,051	9,081
191.45	9,423	4,116	191.97	10,063	9,182
191.46	9,435	4,210	191.98	10,075	9,283
191.47	9,448	4,304	191.99	10,088	9,384
191.48	9,460	4,399	192.00	10,100	9,485
191.49	9,472	4,494	192.01	10,113	9,586
191.50	9,485	4,588	192.02	10,126	9,687
191.51	9,497	4,683	192.03	10,139	9,788

Stage-Area-Storage for Pond B-48: Basin #48 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
192.04	10,151	9,890	192.56	10,821	15,342
192.05	10,164	9,991	192.57	10,834	15,451
192.06	10,177	10,093	192.58	10,846	15,559
192.07	10,190	10,195	192.59	10,859	15,668
192.08	10,203	10,297	192.60	10,872	15,776
192.09	10,216	10,399	192.61	10,885	15,885
192.10	10,229	10,501	192.62	10,898	15,994
192.11	10,242	10,603	192.63	10,911	16,103
192.12	10,254	10,706	192.64	10,924	16,212
192.13	10,267	10,808	192.65	10,937	16,321
192.14	10,280	10,911	192.66	10,949	16,431
192.15	10,293	11,014	192.67	10,962	16,540
192.16	10,306	11,117	192.68	10,975	16,650
192.17	10,319	11,220	192.69	10,988	16,760
192.18	10,332	11,323	192.70	11,001	16,870
192.19	10,345	11,427	192.71	11,014	16,980
192.20	10,357	11,530	192.72	11,027	17,090
192.21	10,370	11,634	192.73	11,040	17,200
192.22	10,383	11,738	192.74	11,052	17,311
192.23	10,396	11,842	192.75	11,065	17,421
192.24	10,409	11,946	192.76	11,078	17,532
192.25	10,422	12,050	192.77	11,091	17,643
192.26	10,435	12,154	192.78	11,104	17,754
192.27	10,447	12,258	192.79	11,117	17,865
192.28	10,460	12,363	192.80	11,130	17,976
192.29	10,473	12,468	192.81	11,142	18,088
192.30	10,486	12,572	192.82	11,155	18,199
192.31	10,499	12,677	192.83	11,168	18,311
192.32	10,512	12,782	192.84	11,181	18,423
192.33	10,525	12,888	192.85	11,194	18,534
192.34	10,538	12,993	192.86	11,207	18,646
192.35	10,550	13,098	192.87	11,220	18,759
192.36	10,563	13,204	192.88	11,233	18,871
192.37	10,576	13,310	192.89	11,245	18,983
192.38	10,589	13,415	192.90	11,258	19,096
192.39	10,602	13,521	192.91	11,271	19,208
192.40	10,615	13,627	192.92	11,284	19,321
192.41	10,628	13,734	192.93	11,297	19,434
192.42	10,641	13,840	192.94	11,310	19,547
192.43	10,653	13,946	192.95	11,323	19,660
192.44	10,666	14,053	192.96	11,336	19,774
192.45	10,679	14,160	192.97	11,348	19,887
192.46	10,692	14,267	192.98	11,361	20,001
192.47	10,705	14,374	192.99	11,374	20,114
192.48	10,718	14,481	193.00	11,387	20,228
192.49	10,731	14,588	193.01	11,400	20,342
192.50	10,744	14,695	193.02	11,414	20,456
192.51	10,756	14,803	193.03	11,427	20,570
192.52	10,769	14,911	193.04	11,441	20,685
192.53	10,782	15,018	193.05	11,454	20,799
192.54	10,795	15,126	193.06	11,468	20,914
192.55	10,808	15,234	193.07	11,481	21,028

Stage-Area-Storage for Pond B-48: Basin #48 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
193.08	11,495	21,143
193.09	11,508	21,258
193.10	11,521	21,373
193.11	11,535	21,489
193.12	11,548	21,604
193.13	11,562	21,720
193.14	11,575	21,835
193.15	11,589	21,951
193.16	11,602	22,067
193.17	11,615	22,183
193.18	11,629	22,299
193.19	11,642	22,416
193.20	11,656	22,532
193.21	11,669	22,649
193.22	11,683	22,766
193.23	11,696	22,883
193.24	11,710	23,000
193.25	11,723	23,117
193.26	11,736	23,234
193.27	11,750	23,351
193.28	11,763	23,469
193.29	11,777	23,587
193.30	11,790	23,705
193.31	11,804	23,823
193.32	11,817	23,941
193.33	11,831	24,059
193.34	11,844	24,177
193.35	11,857	24,296
193.36	11,871	24,414
193.37	11,884	24,533
193.38	11,898	24,652
193.39	11,911	24,771
193.40	11,925	24,890
193.41	11,938	25,010
193.42	11,951	25,129
193.43	11,965	25,249
193.44	11,978	25,368
193.45	11,992	25,488
193.46	12,005	25,608
193.47	12,019	25,728
193.48	12,032	25,849
193.49	12,046	25,969
193.50	12,059	26,090
193.51	12,072	26,210
193.52	12,086	26,331
193.53	12,099	26,452
193.54	12,113	26,573
193.55	12,126	26,694
193.56	12,140	26,815
193.57	12,153	26,937
193.58	12,167	27,059
193.59	12,180	27,180
193.60	12,193	27,302
193.61	12,207	27,424
193.62	12,220	27,546
193.63	12,234	27,669
193.64	12,247	27,791
193.65	12,261	27,913
193.66	12,274	28,036
193.67	12,287	28,159
193.68	12,301	28,282
193.69	12,314	28,405
193.70	12,328	28,528
193.71	12,341	28,652
193.72	12,355	28,775
193.73	12,368	28,899
193.74	12,382	29,022
193.75	12,395	29,146
193.76	12,408	29,270
193.77	12,422	29,394
193.78	12,435	29,519
193.79	12,449	29,643
193.80	12,462	29,768
193.81	12,476	29,892
193.82	12,489	30,017
193.83	12,503	30,142
193.84	12,516	30,267
193.85	12,529	30,392
193.86	12,543	30,518
193.87	12,556	30,643
193.88	12,570	30,769
193.89	12,583	30,895
193.90	12,597	31,021
193.91	12,610	31,147
193.92	12,623	31,273
193.93	12,637	31,399
193.94	12,650	31,526
193.95	12,664	31,652
193.96	12,677	31,779
193.97	12,691	31,906
193.98	12,704	32,033
193.99	12,718	32,160
194.00	**12,731**	**32,287**

Summary for Pond B-49: Basin #49

Inflow Area = 2.090 ac, 43.68% Impervious, Inflow Depth = 4.14" for Future 10 yr event
Inflow = 10.11 cfs @ 12.11 hrs, Volume= 0.721 af
Outflow = 2.83 cfs @ 12.36 hrs, Volume= 0.588 af, Atten= 72%, Lag= 14.9 min
Primary = 2.83 cfs @ 12.36 hrs, Volume= 0.588 af
Routed to Link PDA-5 : Proposed Drainage Area #5

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 185.09' @ 12.36 hrs Surf.Area= 8,816 sf Storage= 16,033 cf

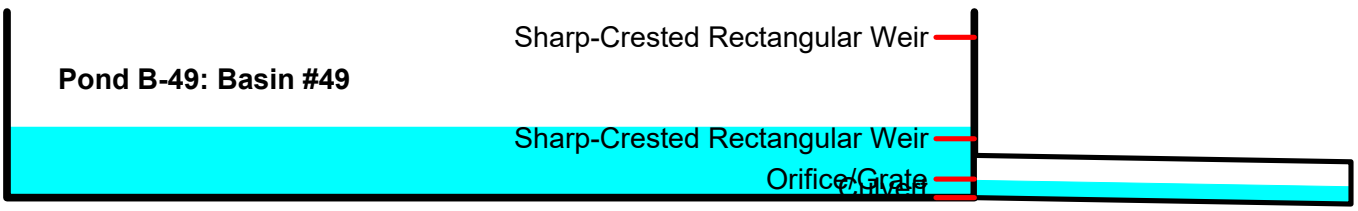
Plug-Flow detention time= 457.3 min calculated for 0.587 af (81% of inflow)
Center-of-Mass det. time= 380.1 min (1,161.5 - 781.4)

Volume	Invert	Avail.Storage	Storage Description
#1	183.00'	52,993 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

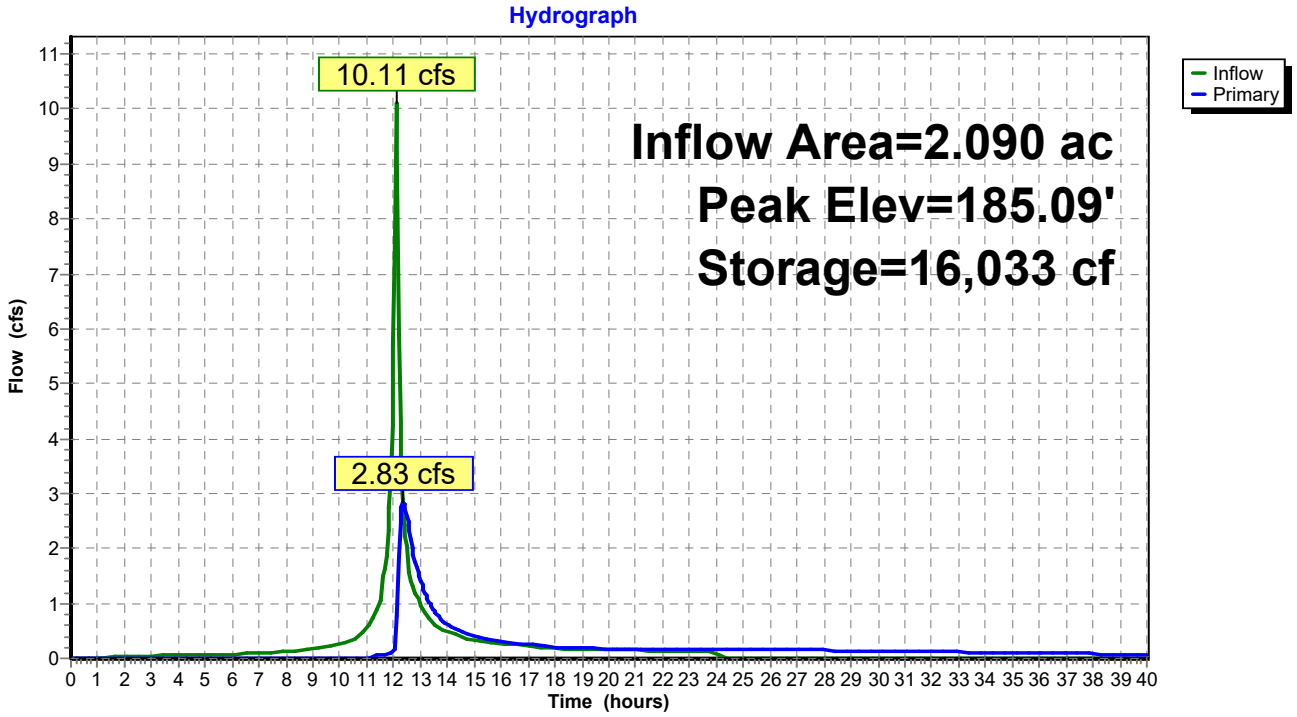
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
183.00	6,565	0	0
184.00	7,625	7,095	7,095
185.00	8,717	8,171	15,266
186.00	9,853	9,285	24,551
187.00	11,027	10,440	34,991
188.00	12,333	11,680	46,671
188.50	12,956	6,322	52,993

Device	Routing	Invert	Outlet Devices
#1	Primary	183.00'	**15.0" Round Culvert** L= 25.0' Ke= 0.500 Inlet / Outlet Invert= 183.00' / 182.81' S= 0.0076 '/' Cc= 0.900 n= 0.013, Flow Area= 1.23 sf
#2	Device 1	183.55'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	184.74'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	187.75'	**30.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)

Primary OutFlow Max=2.82 cfs @ 12.36 hrs HW=185.09' (Free Discharge)
- **1=Culvert** (Passes 2.82 cfs of 6.91 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.20 cfs @ 5.76 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 2.62 cfs @ 1.93 fps)
- **4=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-49: Basin #49



Hydrograph for Pond B-49: Basin #49

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	183.00	0.00
0.10	0.00	0	183.00	0.00
0.20	0.00	0	183.00	0.00
0.30	0.00	0	183.00	0.00
0.40	0.00	0	183.00	0.00
0.50	0.00	0	183.00	0.00
0.60	0.00	0	183.00	0.00
0.70	0.00	0	183.00	0.00
0.80	0.00	1	183.00	0.00
0.90	0.01	2	183.00	0.00
1.00	0.01	5	183.00	0.00
1.10	0.01	9	183.00	0.00
1.20	0.02	14	183.00	0.00
1.30	0.02	20	183.00	0.00
1.40	0.02	27	183.00	0.00
1.50	0.02	34	183.01	0.00
1.60	0.02	43	183.01	0.00
1.70	0.03	52	183.01	0.00
1.80	0.03	62	183.01	0.00
1.90	0.03	73	183.01	0.00
2.00	0.03	84	183.01	0.00
2.10	0.03	96	183.01	0.00
2.20	0.04	109	183.02	0.00
2.30	0.04	122	183.02	0.00
2.40	0.04	136	183.02	0.00
2.50	0.04	151	183.02	0.00
2.60	0.04	166	183.03	0.00
2.70	0.04	181	183.03	0.00
2.80	0.05	197	183.03	0.00
2.90	0.05	214	183.03	0.00
3.00	0.05	231	183.04	0.00
3.10	0.05	248	183.04	0.00
3.20	0.05	266	183.04	0.00
3.30	0.05	285	183.04	0.00
3.40	0.05	304	183.05	0.00
3.50	0.05	323	183.05	0.00
3.60	0.06	343	183.05	0.00
3.70	0.06	363	183.05	0.00
3.80	0.06	383	183.06	0.00
3.90	0.06	404	183.06	0.00
4.00	0.06	425	183.06	0.00
4.10	0.06	446	183.07	0.00
4.20	0.06	468	183.07	0.00
4.30	0.06	491	183.07	0.00
4.40	0.06	513	183.08	0.00
4.50	0.06	536	183.08	0.00
4.60	0.07	559	183.08	0.00
4.70	0.07	583	183.09	0.00
4.80	0.07	607	183.09	0.00
4.90	0.07	631	183.10	0.00
5.00	0.07	656	183.10	0.00
5.10	0.07	680	183.10	0.00

Hydrograph for Pond B-49: Basin #49 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.07	706	183.11	0.00
5.30	0.07	731	183.11	0.00
5.40	0.07	757	183.11	0.00
5.50	0.07	783	183.12	0.00
5.60	0.07	809	183.12	0.00
5.70	0.07	836	183.13	0.00
5.80	0.08	863	183.13	0.00
5.90	0.08	890	183.13	0.00
6.00	0.08	917	183.14	0.00
6.10	0.08	945	183.14	0.00
6.20	0.08	974	183.15	0.00
6.30	0.08	1,003	183.15	0.00
6.40	0.09	1,034	183.16	0.00
6.50	0.09	1,065	183.16	0.00
6.60	0.09	1,097	183.16	0.00
6.70	0.09	1,129	183.17	0.00
6.80	0.09	1,163	183.17	0.00
6.90	0.10	1,197	183.18	0.00
7.00	0.10	1,232	183.18	0.00
7.10	0.10	1,268	183.19	0.00
7.20	0.10	1,305	183.20	0.00
7.30	0.10	1,342	183.20	0.00
7.40	0.11	1,380	183.21	0.00
7.50	0.11	1,419	183.21	0.00
7.60	0.11	1,459	183.22	0.00
7.70	0.11	1,500	183.22	0.00
7.80	0.12	1,541	183.23	0.00
7.90	0.12	1,584	183.24	0.00
8.00	0.12	1,627	183.24	0.00
8.10	0.12	1,671	183.25	0.00
8.20	0.13	1,716	183.26	0.00
8.30	0.13	1,762	183.26	0.00
8.40	0.13	1,809	183.27	0.00
8.50	0.14	1,858	183.28	0.00
8.60	0.14	1,908	183.28	0.00
8.70	0.15	1,960	183.29	0.00
8.80	0.15	2,013	183.30	0.00
8.90	0.15	2,067	183.31	0.00
9.00	0.16	2,123	183.32	0.00
9.10	0.17	2,181	183.32	0.00
9.20	0.18	2,242	183.33	0.00
9.30	0.19	2,308	183.34	0.00
9.40	0.20	2,377	183.35	0.00
9.50	0.21	2,451	183.36	0.00
9.60	0.22	2,528	183.37	0.00
9.70	0.23	2,610	183.39	0.00
9.80	0.25	2,696	183.40	0.00
9.90	0.26	2,787	183.41	0.00
10.00	0.27	2,882	183.42	0.00
10.10	0.28	2,982	183.44	0.00
10.20	0.30	3,087	183.45	0.00
10.30	0.31	3,196	183.47	0.00

Hydrograph for Pond B-49: Basin #49 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.32	3,310	183.49	0.00
10.50	0.34	3,430	183.50	0.00
10.60	0.38	3,558	183.52	0.00
10.70	0.42	3,701	183.54	0.00
10.80	0.47	3,861	183.56	0.00
10.90	0.52	4,036	183.59	0.00
11.00	0.56	4,228	183.61	0.01
11.10	0.64	4,441	183.64	0.02
11.20	0.74	4,681	183.68	0.03
11.30	0.83	4,950	183.71	0.04
11.40	0.93	5,250	183.75	0.05
11.50	1.02	5,579	183.80	0.06
11.60	1.50	5,996	183.85	0.07
11.70	1.73	6,554	183.93	0.09
11.80	2.32	7,237	184.02	0.10
11.90	3.31	8,199	184.14	0.11
12.00	5.72	9,732	184.34	0.14
12.10	**10.00**	12,443	184.67	0.17
12.20	5.89	15,214	184.99	1.84
12.30	3.40	**15,965**	**185.08**	**2.75**
12.40	2.43	**16,005**	**185.08**	**2.79**
12.50	2.14	15,847	185.07	2.60
12.60	1.56	15,636	185.04	2.34
12.70	1.32	15,364	185.01	2.02
12.80	1.20	15,140	184.99	1.76
12.90	1.10	14,957	184.96	1.57
13.00	0.98	14,797	184.95	1.40
13.10	0.87	14,654	184.93	1.26
13.20	0.80	14,525	184.91	1.13
13.30	0.74	14,412	184.90	1.03
13.40	0.68	14,312	184.89	0.94
13.50	0.62	14,221	184.88	0.86
13.60	0.56	14,137	184.87	0.79
13.70	0.53	14,060	184.86	0.73
13.80	0.51	13,994	184.85	0.68
13.90	0.50	13,939	184.85	0.64
14.00	0.48	13,891	184.84	0.61
14.10	0.47	13,850	184.84	0.58
14.20	0.45	13,813	184.83	0.55
14.30	0.44	13,780	184.83	0.52
14.40	0.42	13,749	184.82	0.50
14.50	0.40	13,721	184.82	0.48
14.60	0.39	13,694	184.82	0.46
14.70	0.37	13,669	184.81	0.44
14.80	0.36	13,643	184.81	0.43
14.90	0.34	13,616	184.81	0.42
15.00	0.32	13,588	184.81	0.40
15.10	0.31	13,560	184.80	0.39
15.20	0.30	13,532	184.80	0.37
15.30	0.30	13,507	184.80	0.36
15.40	0.29	13,485	184.79	0.35
15.50	0.29	13,465	184.79	0.34

Hydrograph for Pond B-49: Basin #49 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.28	13,448	184.79	0.33
15.70	0.28	13,431	184.79	0.32
15.80	0.28	13,416	184.78	0.32
15.90	0.27	13,402	184.78	0.31
16.00	0.27	13,389	184.78	0.30
16.10	0.26	13,377	184.78	0.30
16.20	0.26	13,366	184.78	0.29
16.30	0.25	13,355	184.78	0.28
16.40	0.25	13,344	184.78	0.28
16.50	0.25	13,334	184.78	0.27
16.60	0.24	13,324	184.77	0.27
16.70	0.24	13,314	184.77	0.26
16.80	0.23	13,305	184.77	0.26
16.90	0.23	13,295	184.77	0.25
17.00	0.23	13,286	184.77	0.25
17.10	0.22	13,277	184.77	0.25
17.20	0.22	13,268	184.77	0.24
17.30	0.21	13,259	184.77	0.24
17.40	0.21	13,250	184.77	0.23
17.50	0.20	13,242	184.76	0.23
17.60	0.20	13,233	184.76	0.22
17.70	0.19	13,224	184.76	0.22
17.80	0.19	13,216	184.76	0.21
17.90	0.19	13,207	184.76	0.21
18.00	0.18	13,198	184.76	0.21
18.10	0.18	13,188	184.76	0.21
18.20	0.18	13,178	184.76	0.20
18.30	0.17	13,169	184.76	0.20
18.40	0.17	13,159	184.75	0.20
18.50	0.17	13,150	184.75	0.20
18.60	0.17	13,142	184.75	0.20
18.70	0.17	13,133	184.75	0.19
18.80	0.17	13,125	184.75	0.19
18.90	0.17	13,118	184.75	0.19
19.00	0.17	13,110	184.75	0.19
19.10	0.17	13,103	184.75	0.19
19.20	0.17	13,096	184.75	0.18
19.30	0.16	13,089	184.75	0.18
19.40	0.16	13,082	184.75	0.18
19.50	0.16	13,076	184.74	0.18
19.60	0.16	13,069	184.74	0.18
19.70	0.16	13,063	184.74	0.18
19.80	0.16	13,057	184.74	0.18
19.90	0.16	13,051	184.74	0.17
20.00	0.16	13,045	184.74	0.17
20.10	0.16	13,039	184.74	0.17
20.20	0.15	13,034	184.74	0.17
20.30	0.15	13,028	184.74	0.17
20.40	0.15	13,021	184.74	0.17
20.50	0.15	13,014	184.74	0.17
20.60	0.15	13,007	184.74	0.17
20.70	0.15	13,000	184.74	0.17

Hydrograph for Pond B-49: Basin #49 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.15	12,992	184.73	0.17
20.90	0.15	12,984	184.73	0.17
21.00	0.15	12,975	184.73	0.17
21.10	0.14	12,966	184.73	0.17
21.20	0.14	12,957	184.73	0.17
21.30	0.14	12,947	184.73	0.17
21.40	0.14	12,937	184.73	0.17
21.50	0.14	12,927	184.73	0.17
21.60	0.14	12,916	184.73	0.17
21.70	0.14	12,905	184.72	0.17
21.80	0.14	12,894	184.72	0.17
21.90	0.14	12,882	184.72	0.17
22.00	0.14	12,870	184.72	0.17
22.10	0.13	12,858	184.72	0.17
22.20	0.13	12,845	184.72	0.17
22.30	0.13	12,832	184.72	0.17
22.40	0.13	12,818	184.71	0.17
22.50	0.13	12,804	184.71	0.17
22.60	0.13	12,790	184.71	0.17
22.70	0.13	12,776	184.71	0.17
22.80	0.13	12,761	184.71	0.17
22.90	0.13	12,746	184.71	0.17
23.00	0.13	12,730	184.70	0.17
23.10	0.12	12,715	184.70	0.17
23.20	0.12	12,698	184.70	0.17
23.30	0.12	12,682	184.70	0.17
23.40	0.12	12,665	184.70	0.17
23.50	0.12	12,648	184.69	0.17
23.60	0.12	12,631	184.69	0.17
23.70	0.12	12,613	184.69	0.17
23.80	0.12	12,595	184.69	0.17
23.90	0.11	12,576	184.69	0.17
24.00	0.13	12,560	184.68	0.17
24.10	0.04	12,535	184.68	0.17
24.20	0.00	12,481	184.67	0.17
24.30	0.00	12,421	184.67	0.17
24.40	0.00	12,362	184.66	0.16
24.50	0.00	12,303	184.65	0.16
24.60	0.00	12,244	184.65	0.16
24.70	0.00	12,185	184.64	0.16
24.80	0.00	12,127	184.63	0.16
24.90	0.00	12,068	184.62	0.16
25.00	0.00	12,010	184.62	0.16
25.10	0.00	11,952	184.61	0.16
25.20	0.00	11,895	184.60	0.16
25.30	0.00	11,837	184.60	0.16
25.40	0.00	11,780	184.59	0.16
25.50	0.00	11,723	184.58	0.16
25.60	0.00	11,666	184.58	0.16
25.70	0.00	11,610	184.57	0.16
25.80	0.00	11,553	184.56	0.16
25.90	0.00	11,497	184.56	0.16

Hydrograph for Pond B-49: Basin #49 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	11,441	184.55	0.16
26.10	0.00	11,385	184.54	0.15
26.20	0.00	11,330	184.53	0.15
26.30	0.00	11,274	184.53	0.15
26.40	0.00	11,219	184.52	0.15
26.50	0.00	11,164	184.51	0.15
26.60	0.00	11,110	184.51	0.15
26.70	0.00	11,055	184.50	0.15
26.80	0.00	11,001	184.49	0.15
26.90	0.00	10,947	184.49	0.15
27.00	0.00	10,893	184.48	0.15
27.10	0.00	10,839	184.47	0.15
27.20	0.00	10,786	184.47	0.15
27.30	0.00	10,733	184.46	0.15
27.40	0.00	10,680	184.46	0.15
27.50	0.00	10,627	184.45	0.15
27.60	0.00	10,574	184.44	0.15
27.70	0.00	10,522	184.44	0.15
27.80	0.00	10,470	184.43	0.14
27.90	0.00	10,418	184.42	0.14
28.00	0.00	10,366	184.42	0.14
28.10	0.00	10,315	184.41	0.14
28.20	0.00	10,264	184.40	0.14
28.30	0.00	10,213	184.40	0.14
28.40	0.00	10,162	184.39	0.14
28.50	0.00	10,111	184.38	0.14
28.60	0.00	10,061	184.38	0.14
28.70	0.00	10,010	184.37	0.14
28.80	0.00	9,961	184.37	0.14
28.90	0.00	9,911	184.36	0.14
29.00	0.00	9,861	184.35	0.14
29.10	0.00	9,812	184.35	0.14
29.20	0.00	9,763	184.34	0.14
29.30	0.00	9,714	184.34	0.14
29.40	0.00	9,665	184.33	0.13
29.50	0.00	9,617	184.32	0.13
29.60	0.00	9,569	184.32	0.13
29.70	0.00	9,521	184.31	0.13
29.80	0.00	9,473	184.31	0.13
29.90	0.00	9,425	184.30	0.13
30.00	0.00	9,378	184.29	0.13
30.10	0.00	9,331	184.29	0.13
30.20	0.00	9,284	184.28	0.13
30.30	0.00	9,237	184.28	0.13
30.40	0.00	9,191	184.27	0.13
30.50	0.00	9,145	184.26	0.13
30.60	0.00	9,099	184.26	0.13
30.70	0.00	9,053	184.25	0.13
30.80	0.00	9,007	184.25	0.13
30.90	0.00	8,962	184.24	0.13
31.00	0.00	8,917	184.23	0.13
31.10	0.00	8,872	184.23	0.12

Hydrograph for Pond B-49: Basin #49 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	8,827	184.22	0.12
31.30	0.00	8,783	184.22	0.12
31.40	0.00	8,738	184.21	0.12
31.50	0.00	8,694	184.21	0.12
31.60	0.00	8,651	184.20	0.12
31.70	0.00	8,607	184.20	0.12
31.80	0.00	8,564	184.19	0.12
31.90	0.00	8,521	184.18	0.12
32.00	0.00	8,478	184.18	0.12
32.10	0.00	8,435	184.17	0.12
32.20	0.00	8,392	184.17	0.12
32.30	0.00	8,350	184.16	0.12
32.40	0.00	8,308	184.16	0.12
32.50	0.00	8,266	184.15	0.12
32.60	0.00	8,225	184.15	0.12
32.70	0.00	8,184	184.14	0.11
32.80	0.00	8,142	184.14	0.11
32.90	0.00	8,102	184.13	0.11
33.00	0.00	8,061	184.13	0.11
33.10	0.00	8,020	184.12	0.11
33.20	0.00	7,980	184.12	0.11
33.30	0.00	7,940	184.11	0.11
33.40	0.00	7,900	184.10	0.11
33.50	0.00	7,861	184.10	0.11
33.60	0.00	7,822	184.09	0.11
33.70	0.00	7,782	184.09	0.11
33.80	0.00	7,744	184.08	0.11
33.90	0.00	7,705	184.08	0.11
34.00	0.00	7,667	184.07	0.11
34.10	0.00	7,628	184.07	0.11
34.20	0.00	7,590	184.06	0.11
34.30	0.00	7,553	184.06	0.10
34.40	0.00	7,515	184.05	0.10
34.50	0.00	7,478	184.05	0.10
34.60	0.00	7,441	184.05	0.10
34.70	0.00	7,404	184.04	0.10
34.80	0.00	7,367	184.04	0.10
34.90	0.00	7,331	184.03	0.10
35.00	0.00	7,295	184.03	0.10
35.10	0.00	7,259	184.02	0.10
35.20	0.00	7,223	184.02	0.10
35.30	0.00	7,188	184.01	0.10
35.40	0.00	7,153	184.01	0.10
35.50	0.00	7,118	184.00	0.10
35.60	0.00	7,083	184.00	0.10
35.70	0.00	7,048	183.99	0.10
35.80	0.00	7,014	183.99	0.10
35.90	0.00	6,980	183.98	0.09
36.00	0.00	6,946	183.98	0.09
36.10	0.00	6,912	183.98	0.09
36.20	0.00	6,879	183.97	0.09
36.30	0.00	6,846	183.97	0.09

Hydrograph for Pond B-49: Basin #49 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	6,813	183.96	0.09
36.50	0.00	6,780	183.96	0.09
36.60	0.00	6,748	183.95	0.09
36.70	0.00	6,716	183.95	0.09
36.80	0.00	6,684	183.95	0.09
36.90	0.00	6,652	183.94	0.09
37.00	0.00	6,620	183.94	0.09
37.10	0.00	6,589	183.93	0.09
37.20	0.00	6,558	183.93	0.09
37.30	0.00	6,527	183.93	0.09
37.40	0.00	6,496	183.92	0.08
37.50	0.00	6,466	183.92	0.08
37.60	0.00	6,436	183.91	0.08
37.70	0.00	6,406	183.91	0.08
37.80	0.00	6,376	183.91	0.08
37.90	0.00	6,347	183.90	0.08
38.00	0.00	6,318	183.90	0.08
38.10	0.00	6,289	183.89	0.08
38.20	0.00	6,260	183.89	0.08
38.30	0.00	6,231	183.89	0.08
38.40	0.00	6,203	183.88	0.08
38.50	0.00	6,175	183.88	0.08
38.60	0.00	6,147	183.87	0.08
38.70	0.00	6,120	183.87	0.08
38.80	0.00	6,092	183.87	0.08
38.90	0.00	6,065	183.86	0.07
39.00	0.00	6,038	183.86	0.07
39.10	0.00	6,012	183.86	0.07
39.20	0.00	5,985	183.85	0.07
39.30	0.00	5,959	183.85	0.07
39.40	0.00	5,933	183.85	0.07
39.50	0.00	5,907	183.84	0.07
39.60	0.00	5,882	183.84	0.07
39.70	0.00	5,857	183.84	0.07
39.80	0.00	5,832	183.83	0.07
39.90	0.00	5,807	183.83	0.07
40.00	0.00	5,782	183.83	0.07

Stage-Discharge for Pond B-49: Basin #49

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
183.00	0.00	183.52	0.00	184.04	0.10	184.56	0.16
183.01	0.00	183.53	0.00	184.05	0.10	184.57	0.16
183.02	0.00	183.54	0.00	184.06	0.10	184.58	0.16
183.03	0.00	183.55	0.00	184.07	0.11	184.59	0.16
183.04	0.00	183.56	0.00	184.08	0.11	184.60	0.16
183.05	0.00	183.57	0.00	184.09	0.11	184.61	0.16
183.06	0.00	183.58	0.00	184.10	0.11	184.62	0.16
183.07	0.00	183.59	0.00	184.11	0.11	184.63	0.16
183.08	0.00	183.60	0.00	184.12	0.11	184.64	0.16
183.09	0.00	183.61	0.01	184.13	0.11	184.65	0.16
183.10	0.00	183.62	0.01	184.14	0.11	184.66	0.16
183.11	0.00	183.63	0.01	184.15	0.12	184.67	0.17
183.12	0.00	183.64	0.01	184.16	0.12	184.68	0.17
183.13	0.00	183.65	0.02	184.17	0.12	184.69	0.17
183.14	0.00	183.66	0.02	184.18	0.12	184.70	0.17
183.15	0.00	183.67	0.02	184.19	0.12	184.71	0.17
183.16	0.00	183.68	0.03	184.20	0.12	184.72	0.17
183.17	0.00	183.69	0.03	184.21	0.12	184.73	0.17
183.18	0.00	183.70	0.03	184.22	0.12	184.74	0.17
183.19	0.00	183.71	0.04	184.23	0.12	184.75	0.18
183.20	0.00	183.72	0.04	184.24	0.13	184.76	0.21
183.21	0.00	183.73	0.05	184.25	0.13	184.77	0.24
183.22	0.00	183.74	0.05	184.26	0.13	184.78	0.28
183.23	0.00	183.75	0.05	184.27	0.13	184.79	0.32
183.24	0.00	183.76	0.05	184.28	0.13	184.80	0.37
183.25	0.00	183.77	0.06	184.29	0.13	184.81	0.42
183.26	0.00	183.78	0.06	184.30	0.13	184.82	0.47
183.27	0.00	183.79	0.06	184.31	0.13	184.83	0.53
183.28	0.00	183.80	0.06	184.32	0.13	184.84	0.59
183.29	0.00	183.81	0.06	184.33	0.13	184.85	0.65
183.30	0.00	183.82	0.07	184.34	0.14	184.86	0.72
183.31	0.00	183.83	0.07	184.35	0.14	184.87	0.79
183.32	0.00	183.84	0.07	184.36	0.14	184.88	0.86
183.33	0.00	183.85	0.07	184.37	0.14	184.89	0.94
183.34	0.00	183.86	0.07	184.38	0.14	184.90	1.01
183.35	0.00	183.87	0.08	184.39	0.14	184.91	1.09
183.36	0.00	183.88	0.08	184.40	0.14	184.92	1.17
183.37	0.00	183.89	0.08	184.41	0.14	184.93	1.26
183.38	0.00	183.90	0.08	184.42	0.14	184.94	1.34
183.39	0.00	183.91	0.08	184.43	0.14	184.95	1.43
183.40	0.00	183.92	0.08	184.44	0.15	184.96	1.52
183.41	0.00	183.93	0.09	184.45	0.15	184.97	1.61
183.42	0.00	183.94	0.09	184.46	0.15	184.98	1.71
183.43	0.00	183.95	0.09	184.47	0.15	184.99	1.80
183.44	0.00	183.96	0.09	184.48	0.15	185.00	1.90
183.45	0.00	183.97	0.09	184.49	0.15	185.01	2.00
183.46	0.00	183.98	0.09	184.50	0.15	185.02	2.10
183.47	0.00	183.99	0.10	184.51	0.15	185.03	2.21
183.48	0.00	184.00	0.10	184.52	0.15	185.04	2.31
183.49	0.00	184.01	0.10	184.53	0.15	185.05	2.42
183.50	0.00	184.02	0.10	184.54	0.15	185.06	2.52
183.51	0.00	184.03	0.10	184.55	0.16	185.07	2.63

Stage-Discharge for Pond B-49: Basin #49 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
185.08	2.75	185.60	8.30	186.12	9.33	186.64	10.26
185.09	2.86	185.61	8.33	186.13	9.35	186.65	10.28
185.10	2.97	185.62	8.35	186.14	9.37	186.66	10.29
185.11	3.09	185.63	8.37	186.15	9.39	186.67	10.31
185.12	3.20	185.64	8.39	186.16	9.41	186.68	10.33
185.13	3.32	185.65	8.41	186.17	9.43	186.69	10.34
185.14	3.44	185.66	8.43	186.18	9.44	186.70	10.36
185.15	3.56	185.67	8.45	186.19	9.46	186.71	10.38
185.16	3.69	185.68	8.47	186.20	9.48	186.72	10.40
185.17	3.81	185.69	8.49	186.21	9.50	186.73	10.41
185.18	3.94	185.70	8.51	186.22	9.52	186.74	10.43
185.19	4.06	185.71	8.53	186.23	9.54	186.75	10.45
185.20	4.19	185.72	8.55	186.24	9.56	186.76	10.46
185.21	4.32	185.73	8.57	186.25	9.57	186.77	10.48
185.22	4.45	185.74	8.59	186.26	9.59	186.78	10.50
185.23	4.58	185.75	8.61	186.27	9.61	186.79	10.51
185.24	4.72	185.76	8.63	186.28	9.63	186.80	10.53
185.25	4.85	185.77	8.65	186.29	9.65	186.81	10.55
185.26	4.99	185.78	8.67	186.30	9.66	186.82	10.56
185.27	5.12	185.79	8.69	186.31	9.68	186.83	10.58
185.28	5.26	185.80	8.71	186.32	9.70	186.84	10.59
185.29	5.40	185.81	8.73	186.33	9.72	186.85	10.61
185.30	5.54	185.82	8.75	186.34	9.74	186.86	10.63
185.31	5.68	185.83	8.77	186.35	9.75	186.87	10.64
185.32	5.82	185.84	8.79	186.36	9.77	186.88	10.66
185.33	5.97	185.85	8.81	186.37	9.79	186.89	10.68
185.34	6.11	185.86	8.83	186.38	9.81	186.90	10.69
185.35	6.26	185.87	8.85	186.39	9.83	186.91	10.71
185.36	6.40	185.88	8.87	186.40	9.84	186.92	10.73
185.37	6.55	185.89	8.89	186.41	9.86	186.93	10.74
185.38	6.70	185.90	8.91	186.42	9.88	186.94	10.76
185.39	6.85	185.91	8.93	186.43	9.90	186.95	10.77
185.40	7.00	185.92	8.95	186.44	9.91	186.96	10.79
185.41	7.15	185.93	8.97	186.45	9.93	186.97	10.81
185.42	7.30	185.94	8.99	186.46	9.95	186.98	10.82
185.43	7.46	185.95	9.01	186.47	9.97	186.99	10.84
185.44	7.61	185.96	9.03	186.48	9.98	187.00	10.86
185.45	7.77	185.97	9.05	186.49	10.00	187.01	10.87
185.46	7.92	185.98	9.07	186.50	10.02	187.02	10.89
185.47	8.03	185.99	9.09	186.51	10.04	187.03	10.90
185.48	8.05	186.00	9.11	186.52	10.05	187.04	10.92
185.49	8.07	186.01	9.13	186.53	10.07	187.05	10.94
185.50	8.09	186.02	9.14	186.54	10.09	187.06	10.95
185.51	8.11	186.03	9.16	186.55	10.11	187.07	10.97
185.52	8.13	186.04	9.18	186.56	10.12	187.08	10.98
185.53	8.16	186.05	9.20	186.57	10.14	187.09	11.00
185.54	8.18	186.06	9.22	186.58	10.16	187.10	11.01
185.55	8.20	186.07	9.24	186.59	10.17	187.11	11.03
185.56	8.22	186.08	9.26	186.60	10.19	187.12	11.05
185.57	8.24	186.09	9.28	186.61	10.21	187.13	11.06
185.58	8.26	186.10	9.30	186.62	10.23	187.14	11.08
185.59	8.28	186.11	9.31	186.63	10.24	187.15	11.09

Stage-Discharge for Pond B-49: Basin #49 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
187.16	11.11	187.68	11.90	188.20	42.16
187.17	11.13	187.69	11.91	188.21	43.16
187.18	11.14	187.70	11.93	188.22	44.18
187.19	11.16	187.71	11.94	188.23	45.20
187.20	11.17	187.72	11.96	188.24	46.23
187.21	11.19	187.73	11.97	188.25	47.28
187.22	11.20	187.74	11.99	188.26	48.33
187.23	11.22	187.75	12.00	188.27	49.39
187.24	11.23	187.76	12.11	188.28	50.47
187.25	11.25	187.77	12.31	188.29	51.55
187.26	11.27	187.78	12.55	188.30	52.64
187.27	11.28	187.79	12.84	188.31	53.75
187.28	11.30	187.80	13.17	188.32	54.86
187.29	11.31	187.81	13.53	188.33	55.98
187.30	11.33	187.82	13.92	188.34	57.11
187.31	11.34	187.83	14.34	188.35	58.25
187.32	11.36	187.84	14.78	188.36	59.40
187.33	11.37	187.85	15.25	188.37	60.56
187.34	11.39	187.86	15.74	188.38	61.73
187.35	11.40	187.87	16.25	188.39	62.91
187.36	11.42	187.88	16.78	188.40	64.10
187.37	11.43	187.89	17.34	188.41	65.29
187.38	11.45	187.90	17.91	188.42	66.50
187.39	11.47	187.91	18.50	188.43	67.71
187.40	11.48	187.92	19.11	188.44	68.93
187.41	11.50	187.93	19.74	188.45	70.16
187.42	11.51	187.94	20.39	188.46	71.40
187.43	11.53	187.95	21.05	188.47	72.65
187.44	11.54	187.96	21.73	188.48	73.91
187.45	11.56	187.97	22.42	188.49	75.17
187.46	11.57	187.98	23.14	188.50	**76.45**
187.47	11.59	187.99	23.86		
187.48	11.60	188.00	24.60		
187.49	11.62	188.01	25.36		
187.50	11.63	188.02	26.13		
187.51	11.65	188.03	26.91		
187.52	11.66	188.04	27.71		
187.53	11.68	188.05	28.52		
187.54	11.69	188.06	29.34		
187.55	11.71	188.07	30.18		
187.56	11.72	188.08	31.03		
187.57	11.74	188.09	31.89		
187.58	11.75	188.10	32.77		
187.59	11.77	188.11	33.65		
187.60	11.78	188.12	34.55		
187.61	11.80	188.13	35.46		
187.62	11.81	188.14	36.39		
187.63	11.83	188.15	37.32		
187.64	11.84	188.16	38.27		
187.65	11.85	188.17	39.22		
187.66	11.87	188.18	40.19		
187.67	11.88	188.19	41.17		

Stage-Area-Storage for Pond B-49: Basin #49

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
183.00	6,565	0	183.52	7,116	3,557
183.01	6,576	66	183.53	7,127	3,628
183.02	6,586	132	183.54	7,137	3,700
183.03	6,597	197	183.55	7,148	3,771
183.04	6,607	263	183.56	7,159	3,843
183.05	6,618	330	183.57	7,169	3,914
183.06	6,629	396	183.58	7,180	3,986
183.07	6,639	462	183.59	7,190	4,058
183.08	6,650	529	183.60	7,201	4,130
183.09	6,660	595	183.61	7,212	4,202
183.10	6,671	662	183.62	7,222	4,274
183.11	6,682	729	183.63	7,233	4,346
183.12	6,692	795	183.64	7,243	4,419
183.13	6,703	862	183.65	7,254	4,491
183.14	6,713	929	183.66	7,265	4,564
183.15	6,724	997	183.67	7,275	4,636
183.16	6,735	1,064	183.68	7,286	4,709
183.17	6,745	1,131	183.69	7,296	4,782
183.18	6,756	1,199	183.70	7,307	4,855
183.19	6,766	1,266	183.71	7,318	4,928
183.20	6,777	1,334	183.72	7,328	5,002
183.21	6,788	1,402	183.73	7,339	5,075
183.22	6,798	1,470	183.74	7,349	5,148
183.23	6,809	1,538	183.75	7,360	5,222
183.24	6,819	1,606	183.76	7,371	5,296
183.25	6,830	1,674	183.77	7,381	5,369
183.26	6,841	1,743	183.78	7,392	5,443
183.27	6,851	1,811	183.79	7,402	5,517
183.28	6,862	1,880	183.80	7,413	5,591
183.29	6,872	1,948	183.81	7,424	5,665
183.30	6,883	2,017	183.82	7,434	5,740
183.31	6,894	2,086	183.83	7,445	5,814
183.32	6,904	2,155	183.84	7,455	5,889
183.33	6,915	2,224	183.85	7,466	5,963
183.34	6,925	2,293	183.86	7,477	6,038
183.35	6,936	2,363	183.87	7,487	6,113
183.36	6,947	2,432	183.88	7,498	6,188
183.37	6,957	2,502	183.89	7,508	6,263
183.38	6,968	2,571	183.90	7,519	6,338
183.39	6,978	2,641	183.91	7,530	6,413
183.40	6,989	2,711	183.92	7,540	6,488
183.41	7,000	2,781	183.93	7,551	6,564
183.42	7,010	2,851	183.94	7,561	6,639
183.43	7,021	2,921	183.95	7,572	6,715
183.44	7,031	2,991	183.96	7,583	6,791
183.45	7,042	3,062	183.97	7,593	6,867
183.46	7,053	3,132	183.98	7,604	6,943
183.47	7,063	3,203	183.99	7,614	7,019
183.48	7,074	3,273	184.00	7,625	7,095
183.49	7,084	3,344	184.01	7,636	7,171
183.50	7,095	3,415	184.02	7,647	7,248
183.51	7,106	3,486	184.03	7,658	7,324

Stage-Area-Storage for Pond B-49: Basin #49 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
184.04	7,669	7,401	184.56	8,237	11,536
184.05	7,680	7,478	184.57	8,247	11,619
184.06	7,691	7,554	184.58	8,258	11,701
184.07	7,701	7,631	184.59	8,269	11,784
184.08	7,712	7,708	184.60	8,280	11,867
184.09	7,723	7,786	184.61	8,291	11,949
184.10	7,734	7,863	184.62	8,302	12,032
184.11	7,745	7,940	184.63	8,313	12,115
184.12	7,756	8,018	184.64	8,324	12,199
184.13	7,767	8,095	184.65	8,335	12,282
184.14	7,778	8,173	184.66	8,346	12,365
184.15	7,789	8,251	184.67	8,357	12,449
184.16	7,800	8,329	184.68	8,368	12,532
184.17	7,811	8,407	184.69	8,378	12,616
184.18	7,822	8,485	184.70	8,389	12,700
184.19	7,832	8,563	184.71	8,400	12,784
184.20	7,843	8,642	184.72	8,411	12,868
184.21	7,854	8,720	184.73	8,422	12,952
184.22	7,865	8,799	184.74	8,433	13,036
184.23	7,876	8,878	184.75	8,444	13,121
184.24	7,887	8,956	184.76	8,455	13,205
184.25	7,898	9,035	184.77	8,466	13,290
184.26	7,909	9,114	184.78	8,477	13,375
184.27	7,920	9,194	184.79	8,488	13,460
184.28	7,931	9,273	184.80	8,499	13,544
184.29	7,942	9,352	184.81	8,510	13,629
184.30	7,953	9,432	184.82	8,520	13,715
184.31	7,964	9,511	184.83	8,531	13,800
184.32	7,974	9,591	184.84	8,542	13,885
184.33	7,985	9,671	184.85	8,553	13,971
184.34	7,996	9,751	184.86	8,564	14,056
184.35	8,007	9,831	184.87	8,575	14,142
184.36	8,018	9,911	184.88	8,586	14,228
184.37	8,029	9,991	184.89	8,597	14,314
184.38	8,040	10,071	184.90	8,608	14,400
184.39	8,051	10,152	184.91	8,619	14,486
184.40	8,062	10,232	184.92	8,630	14,572
184.41	8,073	10,313	184.93	8,641	14,658
184.42	8,084	10,394	184.94	8,651	14,745
184.43	8,095	10,475	184.95	8,662	14,832
184.44	8,105	10,556	184.96	8,673	14,918
184.45	8,116	10,637	184.97	8,684	15,005
184.46	8,127	10,718	184.98	8,695	15,092
184.47	8,138	10,799	184.99	8,706	15,179
184.48	8,149	10,881	185.00	8,717	15,266
184.49	8,160	10,962	185.01	8,728	15,353
184.50	8,171	11,044	185.02	8,740	15,441
184.51	8,182	11,126	185.03	8,751	15,528
184.52	8,193	11,208	185.04	8,762	15,616
184.53	8,204	11,290	185.05	8,774	15,703
184.54	8,215	11,372	185.06	8,785	15,791
184.55	8,226	11,454	185.07	8,797	15,879

Stage-Area-Storage for Pond B-49: Basin #49 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
185.08	8,808	15,967	185.60	9,399	20,701
185.09	8,819	16,055	185.61	9,410	20,795
185.10	8,831	16,143	185.62	9,421	20,889
185.11	8,842	16,232	185.63	9,433	20,983
185.12	8,853	16,320	185.64	9,444	21,078
185.13	8,865	16,409	185.65	9,455	21,172
185.14	8,876	16,498	185.66	9,467	21,267
185.15	8,887	16,586	185.67	9,478	21,361
185.16	8,899	16,675	185.68	9,489	21,456
185.17	8,910	16,764	185.69	9,501	21,551
185.18	8,921	16,853	185.70	9,512	21,646
185.19	8,933	16,943	185.71	9,524	21,741
185.20	8,944	17,032	185.72	9,535	21,837
185.21	8,956	17,122	185.73	9,546	21,932
185.22	8,967	17,211	185.74	9,558	22,028
185.23	8,978	17,301	185.75	9,569	22,123
185.24	8,990	17,391	185.76	9,580	22,219
185.25	9,001	17,481	185.77	9,592	22,315
185.26	9,012	17,571	185.78	9,603	22,411
185.27	9,024	17,661	185.79	9,614	22,507
185.28	9,035	17,751	185.80	9,626	22,603
185.29	9,046	17,842	185.81	9,637	22,699
185.30	9,058	17,932	185.82	9,649	22,796
185.31	9,069	18,023	185.83	9,660	22,892
185.32	9,081	18,114	185.84	9,671	22,989
185.33	9,092	18,204	185.85	9,683	23,086
185.34	9,103	18,295	185.86	9,694	23,183
185.35	9,115	18,387	185.87	9,705	23,280
185.36	9,126	18,478	185.88	9,717	23,377
185.37	9,137	18,569	185.89	9,728	23,474
185.38	9,149	18,660	185.90	9,739	23,571
185.39	9,160	18,752	185.91	9,751	23,669
185.40	9,171	18,844	185.92	9,762	23,766
185.41	9,183	18,935	185.93	9,773	23,864
185.42	9,194	19,027	185.94	9,785	23,962
185.43	9,205	19,119	185.95	9,796	24,060
185.44	9,217	19,211	185.96	9,808	24,158
185.45	9,228	19,304	185.97	9,819	24,256
185.46	9,240	19,396	185.98	9,830	24,354
185.47	9,251	19,488	185.99	9,842	24,453
185.48	9,262	19,581	186.00	9,853	24,551
185.49	9,274	19,674	186.01	9,865	24,650
185.50	9,285	19,767	186.02	9,876	24,748
185.51	9,296	19,859	186.03	9,888	24,847
185.52	9,308	19,952	186.04	9,900	24,946
185.53	9,319	20,046	186.05	9,912	25,045
185.54	9,330	20,139	186.06	9,923	25,144
185.55	9,342	20,232	186.07	9,935	25,244
185.56	9,353	20,326	186.08	9,947	25,343
185.57	9,365	20,419	186.09	9,959	25,443
185.58	9,376	20,513	186.10	9,970	25,542
185.59	9,387	20,607	186.11	9,982	25,642

Stage-Area-Storage for Pond B-49: Basin #49 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
186.12	9,994	25,742	186.64	10,604	31,097
186.13	10,006	25,842	186.65	10,616	31,203
186.14	10,017	25,942	186.66	10,628	31,310
186.15	10,029	26,042	186.67	10,640	31,416
186.16	10,041	26,143	186.68	10,651	31,522
186.17	10,053	26,243	186.69	10,663	31,629
186.18	10,064	26,344	186.70	10,675	31,736
186.19	10,076	26,444	186.71	10,687	31,843
186.20	10,088	26,545	186.72	10,698	31,949
186.21	10,100	26,646	186.73	10,710	32,057
186.22	10,111	26,747	186.74	10,722	32,164
186.23	10,123	26,848	186.75	10,734	32,271
186.24	10,135	26,950	186.76	10,745	32,378
186.25	10,147	27,051	186.77	10,757	32,486
186.26	10,158	27,152	186.78	10,769	32,593
186.27	10,170	27,254	186.79	10,780	32,701
186.28	10,182	27,356	186.80	10,792	32,809
186.29	10,193	27,458	186.81	10,804	32,917
186.30	10,205	27,560	186.82	10,816	33,025
186.31	10,217	27,662	186.83	10,827	33,133
186.32	10,229	27,764	186.84	10,839	33,242
186.33	10,240	27,866	186.85	10,851	33,350
186.34	10,252	27,969	186.86	10,863	33,459
186.35	10,264	28,071	186.87	10,874	33,567
186.36	10,276	28,174	186.88	10,886	33,676
186.37	10,287	28,277	186.89	10,898	33,785
186.38	10,299	28,380	186.90	10,910	33,894
186.39	10,311	28,483	186.91	10,921	34,003
186.40	10,323	28,586	186.92	10,933	34,113
186.41	10,334	28,689	186.93	10,945	34,222
186.42	10,346	28,793	186.94	10,957	34,331
186.43	10,358	28,896	186.95	10,968	34,441
186.44	10,370	29,000	186.96	10,980	34,551
186.45	10,381	29,104	186.97	10,992	34,661
186.46	10,393	29,208	186.98	11,004	34,771
186.47	10,405	29,312	186.99	11,015	34,881
186.48	10,417	29,416	187.00	11,027	34,991
186.49	10,428	29,520	187.01	11,040	35,101
186.50	10,440	29,624	187.02	11,053	35,212
186.51	10,452	29,729	187.03	11,066	35,322
186.52	10,463	29,833	187.04	11,079	35,433
186.53	10,475	29,938	187.05	11,092	35,544
186.54	10,487	30,043	187.06	11,105	35,655
186.55	10,499	30,148	187.07	11,118	35,766
186.56	10,510	30,253	187.08	11,131	35,877
186.57	10,522	30,358	187.09	11,145	35,989
186.58	10,534	30,463	187.10	11,158	36,100
186.59	10,546	30,569	187.11	11,171	36,212
186.60	10,557	30,674	187.12	11,184	36,324
186.61	10,569	30,780	187.13	11,197	36,436
186.62	10,581	30,886	187.14	11,210	36,548
186.63	10,593	30,991	187.15	11,223	36,660

Stage-Area-Storage for Pond B-49: Basin #49 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
187.16	11,236	36,772
187.17	11,249	36,884
187.18	11,262	36,997
187.19	11,275	37,110
187.20	11,288	37,223
187.21	11,301	37,335
187.22	11,314	37,449
187.23	11,327	37,562
187.24	11,340	37,675
187.25	11,354	37,789
187.26	11,367	37,902
187.27	11,380	38,016
187.28	11,393	38,130
187.29	11,406	38,244
187.30	11,419	38,358
187.31	11,432	38,472
187.32	11,445	38,587
187.33	11,458	38,701
187.34	11,471	38,816
187.35	11,484	38,930
187.36	11,497	39,045
187.37	11,510	39,160
187.38	11,523	39,276
187.39	11,536	39,391
187.40	11,549	39,506
187.41	11,562	39,622
187.42	11,576	39,738
187.43	11,589	39,853
187.44	11,602	39,969
187.45	11,615	40,085
187.46	11,628	40,202
187.47	11,641	40,318
187.48	11,654	40,434
187.49	11,667	40,551
187.50	11,680	40,668
187.51	11,693	40,785
187.52	11,706	40,902
187.53	11,719	41,019
187.54	11,732	41,136
187.55	11,745	41,253
187.56	11,758	41,371
187.57	11,771	41,489
187.58	11,784	41,606
187.59	11,798	41,724
187.60	11,811	41,842
187.61	11,824	41,960
187.62	11,837	42,079
187.63	11,850	42,197
187.64	11,863	42,316
187.65	11,876	42,434
187.66	11,889	42,553
187.67	11,902	42,672
187.68	11,915	42,791
187.69	11,928	42,911
187.70	11,941	43,030
187.71	11,954	43,149
187.72	11,967	43,269
187.73	11,980	43,389
187.74	11,993	43,509
187.75	12,007	43,629
187.76	12,020	43,749
187.77	12,033	43,869
187.78	12,046	43,989
187.79	12,059	44,110
187.80	12,072	44,231
187.81	12,085	44,351
187.82	12,098	44,472
187.83	12,111	44,593
187.84	12,124	44,714
187.85	12,137	44,836
187.86	12,150	44,957
187.87	12,163	45,079
187.88	12,176	45,200
187.89	12,189	45,322
187.90	12,202	45,444
187.91	12,215	45,566
187.92	12,229	45,689
187.93	12,242	45,811
187.94	12,255	45,933
187.95	12,268	46,056
187.96	12,281	46,179
187.97	12,294	46,302
187.98	12,307	46,425
187.99	12,320	46,548
188.00	12,333	46,671
188.01	12,345	46,794
188.02	12,358	46,918
188.03	12,370	47,042
188.04	12,383	47,165
188.05	12,395	47,289
188.06	12,408	47,413
188.07	12,420	47,537
188.08	12,433	47,662
188.09	12,445	47,786
188.10	12,458	47,911
188.11	12,470	48,035
188.12	12,483	48,160
188.13	12,495	48,285
188.14	12,507	48,410
188.15	12,520	48,535
188.16	12,532	48,660
188.17	12,545	48,786
188.18	12,557	48,911
188.19	12,570	49,037

Stage-Area-Storage for Pond B-49: Basin #49 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
188.20	12,582	49,163
188.21	12,595	49,288
188.22	12,607	49,414
188.23	12,620	49,541
188.24	12,632	49,667
188.25	12,645	49,793
188.26	12,657	49,920
188.27	12,669	50,046
188.28	12,682	50,173
188.29	12,694	50,300
188.30	12,707	50,427
188.31	12,719	50,554
188.32	12,732	50,681
188.33	12,744	50,809
188.34	12,757	50,936
188.35	12,769	51,064
188.36	12,782	51,192
188.37	12,794	51,319
188.38	12,806	51,448
188.39	12,819	51,576
188.40	12,831	51,704
188.41	12,844	51,832
188.42	12,856	51,961
188.43	12,869	52,089
188.44	12,881	52,218
188.45	12,894	52,347
188.46	12,906	52,476
188.47	12,919	52,605
188.48	12,931	52,734
188.49	12,944	52,864
188.50	**12,956**	**52,993**

Summary for Pond B-50: Basin #50

Inflow Area = 2.262 ac, 29.27% Impervious, Inflow Depth = 3.77" for Future 10 yr event
Inflow = 10.10 cfs @ 12.10 hrs, Volume= 0.711 af
Outflow = 0.22 cfs @ 17.33 hrs, Volume= 0.453 af, Atten= 98%, Lag= 313.7 min
Primary = 0.22 cfs @ 17.33 hrs, Volume= 0.453 af
Routed to Link PDA-5 : Proposed Drainage Area #5

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 186.23' @ 17.33 hrs Surf.Area= 11,762 sf Storage= 22,881 cf

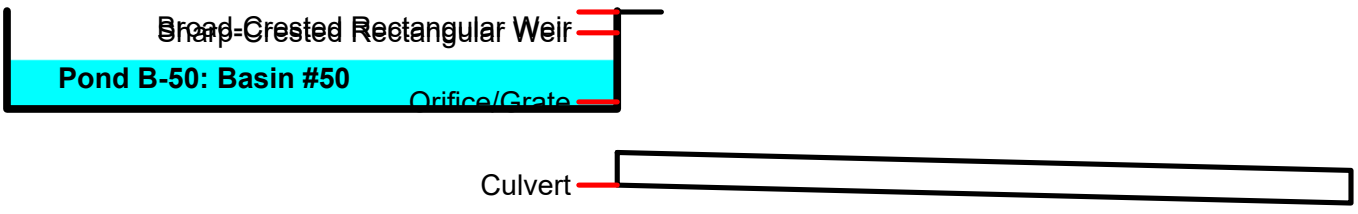
Plug-Flow detention time= 815.1 min calculated for 0.453 af (64% of inflow)
Center-of-Mass det. time= 705.6 min (1,500.2 - 794.6)

Volume	Invert	Avail.Storage	Storage Description
#1	184.00'	53,209 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

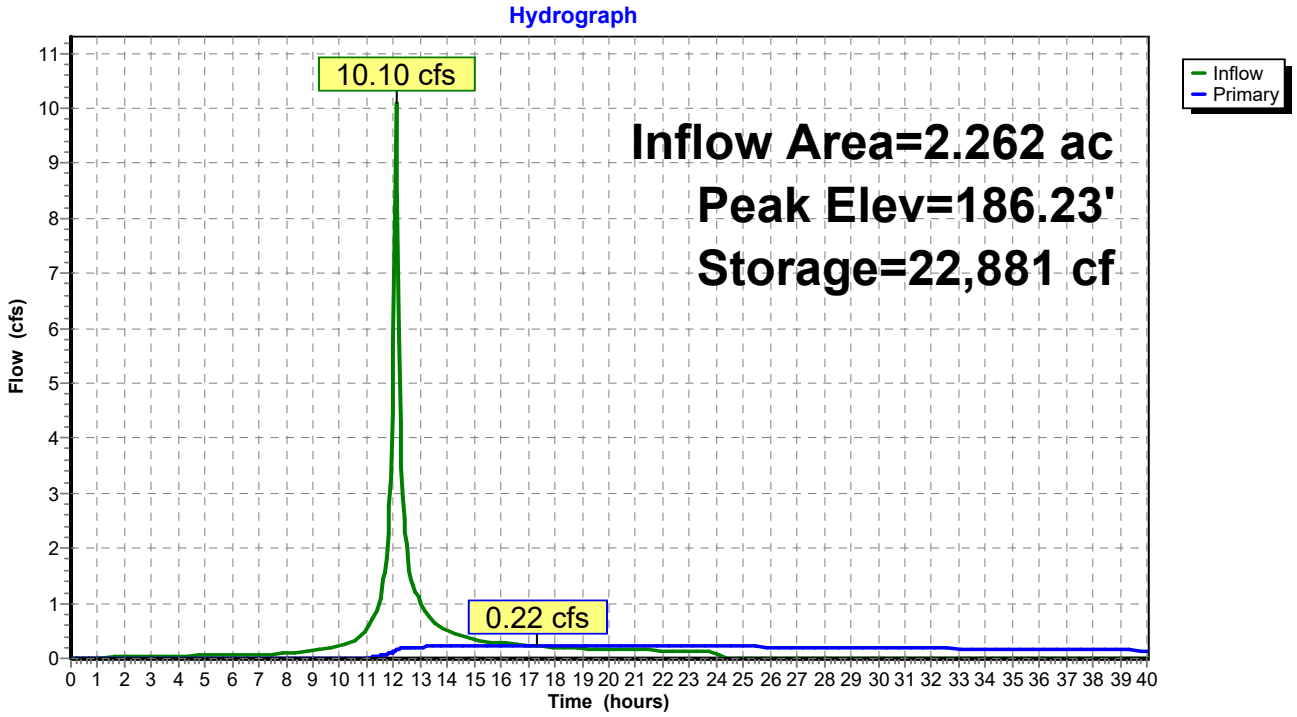
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
184.00	8,805	0	0
185.00	10,108	9,457	9,457
186.00	11,448	10,778	20,235
187.00	12,826	12,137	32,372
188.00	14,244	13,535	45,907
188.50	14,966	7,303	53,209

Device	Routing	Invert	Outlet Devices
#1	Primary	180.50'	**18.0" Round Culvert** L= 83.0' Ke= 0.500 Inlet / Outlet Invert= 180.50' / 179.67' S= 0.0100 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	184.32'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	187.50'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	188.45'	**30.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.22 cfs @ 17.33 hrs HW=186.23' (Free Discharge)
- **1=Culvert** (Passes 0.22 cfs of 18.36 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.22 cfs @ 6.47 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-50: Basin #50



Hydrograph for Pond B-50: Basin #50

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	184.00	0.00
0.10	0.00	0	184.00	0.00
0.20	0.00	0	184.00	0.00
0.30	0.00	0	184.00	0.00
0.40	0.00	0	184.00	0.00
0.50	0.00	0	184.00	0.00
0.60	0.00	0	184.00	0.00
0.70	0.00	0	184.00	0.00
0.80	0.00	1	184.00	0.00
0.90	0.01	2	184.00	0.00
1.00	0.01	4	184.00	0.00
1.10	0.01	7	184.00	0.00
1.20	0.01	11	184.00	0.00
1.30	0.01	16	184.00	0.00
1.40	0.01	21	184.00	0.00
1.50	0.02	26	184.00	0.00
1.60	0.02	33	184.00	0.00
1.70	0.02	40	184.00	0.00
1.80	0.02	47	184.01	0.00
1.90	0.02	55	184.01	0.00
2.00	0.02	63	184.01	0.00
2.10	0.03	72	184.01	0.00
2.20	0.03	81	184.01	0.00
2.30	0.03	91	184.01	0.00
2.40	0.03	101	184.01	0.00
2.50	0.03	112	184.01	0.00
2.60	0.03	123	184.01	0.00
2.70	0.03	134	184.02	0.00
2.80	0.03	146	184.02	0.00
2.90	0.03	158	184.02	0.00
3.00	0.03	171	184.02	0.00
3.10	0.04	183	184.02	0.00
3.20	0.04	196	184.02	0.00
3.30	0.04	210	184.02	0.00
3.40	0.04	224	184.03	0.00
3.50	0.04	238	184.03	0.00
3.60	0.04	252	184.03	0.00
3.70	0.04	266	184.03	0.00
3.80	0.04	281	184.03	0.00
3.90	0.04	296	184.03	0.00
4.00	0.04	312	184.04	0.00
4.10	0.04	328	184.04	0.00
4.20	0.04	344	184.04	0.00
4.30	0.05	360	184.04	0.00
4.40	0.05	376	184.04	0.00
4.50	0.05	393	184.04	0.00
4.60	0.05	410	184.05	0.00
4.70	0.05	427	184.05	0.00
4.80	0.05	444	184.05	0.00
4.90	0.05	462	184.05	0.00
5.00	0.05	480	184.05	0.00
5.10	0.05	498	184.06	0.00

Hydrograph for Pond B-50: Basin #50 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.05	516	184.06	0.00
5.30	0.05	535	184.06	0.00
5.40	0.05	553	184.06	0.00
5.50	0.05	572	184.06	0.00
5.60	0.05	591	184.07	0.00
5.70	0.05	611	184.07	0.00
5.80	0.05	630	184.07	0.00
5.90	0.06	650	184.07	0.00
6.00	0.06	670	184.08	0.00
6.10	0.06	690	184.08	0.00
6.20	0.06	711	184.08	0.00
6.30	0.06	733	184.08	0.00
6.40	0.06	755	184.09	0.00
6.50	0.06	778	184.09	0.00
6.60	0.07	801	184.09	0.00
6.70	0.07	825	184.09	0.00
6.80	0.07	849	184.10	0.00
6.90	0.07	874	184.10	0.00
7.00	0.07	900	184.10	0.00
7.10	0.07	926	184.10	0.00
7.20	0.08	953	184.11	0.00
7.30	0.08	980	184.11	0.00
7.40	0.08	1,008	184.11	0.00
7.50	0.08	1,036	184.12	0.00
7.60	0.08	1,065	184.12	0.00
7.70	0.08	1,095	184.12	0.00
7.80	0.08	1,125	184.13	0.00
7.90	0.09	1,156	184.13	0.00
8.00	0.09	1,187	184.13	0.00
8.10	0.09	1,219	184.14	0.00
8.20	0.09	1,252	184.14	0.00
8.30	0.10	1,286	184.14	0.00
8.40	0.10	1,321	184.15	0.00
8.50	0.10	1,358	184.15	0.00
8.60	0.11	1,396	184.16	0.00
8.70	0.11	1,435	184.16	0.00
8.80	0.11	1,476	184.17	0.00
8.90	0.12	1,518	184.17	0.00
9.00	0.12	1,561	184.18	0.00
9.10	0.13	1,607	184.18	0.00
9.20	0.14	1,656	184.19	0.00
9.30	0.15	1,709	184.19	0.00
9.40	0.16	1,765	184.20	0.00
9.50	0.17	1,824	184.20	0.00
9.60	0.18	1,888	184.21	0.00
9.70	0.19	1,955	184.22	0.00
9.80	0.20	2,027	184.23	0.00
9.90	0.22	2,102	184.23	0.00
10.00	0.23	2,183	184.24	0.00
10.10	0.24	2,267	184.25	0.00
10.20	0.25	2,356	184.26	0.00
10.30	0.27	2,450	184.27	0.00

Hydrograph for Pond B-50: Basin #50 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.28	2,549	184.28	0.00
10.50	0.30	2,653	184.29	0.00
10.60	0.33	2,766	184.31	0.00
10.70	0.37	2,893	184.32	0.00
10.80	0.42	3,035	184.34	0.00
10.90	0.46	3,193	184.35	0.00
11.00	0.51	3,367	184.37	0.01
11.10	0.59	3,562	184.39	0.01
11.20	0.67	3,785	184.42	0.02
11.30	0.77	4,038	184.44	0.03
11.40	0.86	4,321	184.47	0.04
11.50	0.96	4,634	184.51	0.05
11.60	1.43	5,045	184.55	0.06
11.70	1.66	5,582	184.61	0.07
11.80	2.26	6,258	184.68	0.08
11.90	3.27	7,221	184.78	0.10
12.00	5.73	8,795	184.93	0.12
12.10	**10.08**	11,599	185.21	0.15
12.20	5.89	14,527	185.49	0.17
12.30	3.50	16,086	185.63	0.18
12.40	2.50	17,087	185.72	0.19
12.50	2.21	17,858	185.79	0.19
12.60	1.61	18,479	185.85	0.20
12.70	1.37	18,936	185.89	0.20
12.80	1.25	19,334	185.92	0.20
12.90	1.14	19,690	185.95	0.20
13.00	1.02	20,005	185.98	0.20
13.10	0.91	20,278	186.00	0.21
13.20	0.83	20,515	186.02	0.21
13.30	0.77	20,728	186.04	0.21
13.40	0.71	20,917	186.06	0.21
13.50	0.64	21,084	186.07	0.21
13.60	0.58	21,229	186.09	0.21
13.70	0.55	21,356	186.10	0.21
13.80	0.54	21,475	186.11	0.21
13.90	0.52	21,588	186.12	0.21
14.00	0.50	21,696	186.13	0.21
14.10	0.49	21,797	186.14	0.21
14.20	0.47	21,892	186.14	0.22
14.30	0.45	21,981	186.15	0.22
14.40	0.44	22,064	186.16	0.22
14.50	0.42	22,141	186.16	0.22
14.60	0.41	22,212	186.17	0.22
14.70	0.39	22,276	186.18	0.22
14.80	0.37	22,335	186.18	0.22
14.90	0.36	22,388	186.19	0.22
15.00	0.34	22,434	186.19	0.22
15.10	0.32	22,475	186.19	0.22
15.20	0.31	22,511	186.20	0.22
15.30	0.31	22,544	186.20	0.22
15.40	0.31	22,577	186.20	0.22
15.50	0.30	22,607	186.20	0.22

Hydrograph for Pond B-50: Basin #50 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.30	22,636	186.21	0.22
15.70	0.29	22,663	186.21	0.22
15.80	0.29	22,689	186.21	0.22
15.90	0.28	22,713	186.21	0.22
16.00	0.28	22,735	186.22	0.22
16.10	0.28	22,756	186.22	0.22
16.20	0.27	22,776	186.22	0.22
16.30	0.27	22,793	186.22	0.22
16.40	0.26	22,809	186.22	0.22
16.50	0.26	22,824	186.22	0.22
16.60	0.25	22,836	186.22	0.22
16.70	0.25	22,848	186.23	0.22
16.80	0.24	22,857	186.23	0.22
16.90	0.24	22,865	186.23	0.22
17.00	0.24	22,872	186.23	0.22
17.10	0.23	22,876	186.23	0.22
17.20	0.23	22,880	186.23	0.22
17.30	0.22	**22,881**	**186.23**	**0.22**
17.40	0.22	**22,881**	**186.23**	**0.22**
17.50	0.21	22,879	186.23	0.22
17.60	0.21	22,876	186.23	0.22
17.70	0.20	22,871	186.23	0.22
17.80	0.20	22,865	186.23	0.22
17.90	0.20	22,856	186.23	0.22
18.00	0.19	22,847	186.23	0.22
18.10	0.19	22,835	186.22	0.22
18.20	0.18	22,823	186.22	0.22
18.30	0.18	22,810	186.22	0.22
18.40	0.18	22,797	186.22	0.22
18.50	0.18	22,783	186.22	0.22
18.60	0.18	22,769	186.22	0.22
18.70	0.18	22,754	186.22	0.22
18.80	0.18	22,739	186.22	0.22
18.90	0.18	22,724	186.21	0.22
19.00	0.18	22,709	186.21	0.22
19.10	0.17	22,693	186.21	0.22
19.20	0.17	22,676	186.21	0.22
19.30	0.17	22,660	186.21	0.22
19.40	0.17	22,643	186.21	0.22
19.50	0.17	22,625	186.21	0.22
19.60	0.17	22,607	186.20	0.22
19.70	0.17	22,589	186.20	0.22
19.80	0.17	22,571	186.20	0.22
19.90	0.17	22,552	186.20	0.22
20.00	0.16	22,533	186.20	0.22
20.10	0.16	22,514	186.20	0.22
20.20	0.16	22,494	186.20	0.22
20.30	0.16	22,473	186.19	0.22
20.40	0.16	22,453	186.19	0.22
20.50	0.16	22,432	186.19	0.22
20.60	0.16	22,410	186.19	0.22
20.70	0.16	22,389	186.19	0.22

Hydrograph for Pond B-50: Basin #50 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.16	22,367	186.18	0.22
20.90	0.15	22,344	186.18	0.22
21.00	0.15	22,321	186.18	0.22
21.10	0.15	22,298	186.18	0.22
21.20	0.15	22,275	186.18	0.22
21.30	0.15	22,251	186.17	0.22
21.40	0.15	22,227	186.17	0.22
21.50	0.15	22,202	186.17	0.22
21.60	0.15	22,177	186.17	0.22
21.70	0.15	22,152	186.17	0.22
21.80	0.15	22,126	186.16	0.22
21.90	0.14	22,101	186.16	0.22
22.00	0.14	22,074	186.16	0.22
22.10	0.14	22,047	186.16	0.22
22.20	0.14	22,020	186.15	0.22
22.30	0.14	21,993	186.15	0.22
22.40	0.14	21,965	186.15	0.22
22.50	0.14	21,937	186.15	0.22
22.60	0.14	21,909	186.14	0.22
22.70	0.13	21,880	186.14	0.22
22.80	0.13	21,851	186.14	0.21
22.90	0.13	21,821	186.14	0.21
23.00	0.13	21,791	186.13	0.21
23.10	0.13	21,761	186.13	0.21
23.20	0.13	21,731	186.13	0.21
23.30	0.13	21,700	186.13	0.21
23.40	0.13	21,669	186.12	0.21
23.50	0.13	21,637	186.12	0.21
23.60	0.12	21,605	186.12	0.21
23.70	0.12	21,573	186.12	0.21
23.80	0.12	21,540	186.11	0.21
23.90	0.12	21,507	186.11	0.21
24.00	0.14	21,477	186.11	0.21
24.10	0.04	21,435	186.10	0.21
24.20	0.00	21,364	186.10	0.21
24.30	0.00	21,288	186.09	0.21
24.40	0.00	21,212	186.08	0.21
24.50	0.00	21,136	186.08	0.21
24.60	0.00	21,060	186.07	0.21
24.70	0.00	20,984	186.07	0.21
24.80	0.00	20,909	186.06	0.21
24.90	0.00	20,833	186.05	0.21
25.00	0.00	20,758	186.05	0.21
25.10	0.00	20,683	186.04	0.21
25.20	0.00	20,608	186.03	0.21
25.30	0.00	20,533	186.03	0.21
25.40	0.00	20,458	186.02	0.21
25.50	0.00	20,383	186.01	0.21
25.60	0.00	20,309	186.01	0.21
25.70	0.00	20,235	186.00	0.21
25.80	0.00	20,161	185.99	0.21
25.90	0.00	20,087	185.99	0.21

Hydrograph for Pond B-50: Basin #50 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	20,013	185.98	0.20
26.10	0.00	19,939	185.97	0.20
26.20	0.00	19,866	185.97	0.20
26.30	0.00	19,792	185.96	0.20
26.40	0.00	19,719	185.95	0.20
26.50	0.00	19,646	185.95	0.20
26.60	0.00	19,573	185.94	0.20
26.70	0.00	19,501	185.94	0.20
26.80	0.00	19,428	185.93	0.20
26.90	0.00	19,356	185.92	0.20
27.00	0.00	19,283	185.92	0.20
27.10	0.00	19,211	185.91	0.20
27.20	0.00	19,139	185.90	0.20
27.30	0.00	19,068	185.90	0.20
27.40	0.00	18,996	185.89	0.20
27.50	0.00	18,924	185.88	0.20
27.60	0.00	18,853	185.88	0.20
27.70	0.00	18,782	185.87	0.20
27.80	0.00	18,711	185.87	0.20
27.90	0.00	18,640	185.86	0.20
28.00	0.00	18,569	185.85	0.20
28.10	0.00	18,499	185.85	0.20
28.20	0.00	18,428	185.84	0.20
28.30	0.00	18,358	185.83	0.19
28.40	0.00	18,288	185.83	0.19
28.50	0.00	18,218	185.82	0.19
28.60	0.00	18,148	185.82	0.19
28.70	0.00	18,079	185.81	0.19
28.80	0.00	18,009	185.80	0.19
28.90	0.00	17,940	185.80	0.19
29.00	0.00	17,871	185.79	0.19
29.10	0.00	17,802	185.78	0.19
29.20	0.00	17,733	185.78	0.19
29.30	0.00	17,664	185.77	0.19
29.40	0.00	17,596	185.77	0.19
29.50	0.00	17,527	185.76	0.19
29.60	0.00	17,459	185.75	0.19
29.70	0.00	17,391	185.75	0.19
29.80	0.00	17,323	185.74	0.19
29.90	0.00	17,255	185.74	0.19
30.00	0.00	17,188	185.73	0.19
30.10	0.00	17,120	185.72	0.19
30.20	0.00	17,053	185.72	0.19
30.30	0.00	16,986	185.71	0.19
30.40	0.00	16,919	185.71	0.19
30.50	0.00	16,852	185.70	0.19
30.60	0.00	16,786	185.69	0.18
30.70	0.00	16,719	185.69	0.18
30.80	0.00	16,653	185.68	0.18
30.90	0.00	16,587	185.68	0.18
31.00	0.00	16,521	185.67	0.18
31.10	0.00	16,455	185.66	0.18

Hydrograph for Pond B-50: Basin #50 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	16,389	185.66	0.18
31.30	0.00	16,324	185.65	0.18
31.40	0.00	16,258	185.65	0.18
31.50	0.00	16,193	185.64	0.18
31.60	0.00	16,128	185.63	0.18
31.70	0.00	16,063	185.63	0.18
31.80	0.00	15,998	185.62	0.18
31.90	0.00	15,934	185.62	0.18
32.00	0.00	15,869	185.61	0.18
32.10	0.00	15,805	185.60	0.18
32.20	0.00	15,741	185.60	0.18
32.30	0.00	15,677	185.59	0.18
32.40	0.00	15,613	185.59	0.18
32.50	0.00	15,550	185.58	0.18
32.60	0.00	15,486	185.57	0.18
32.70	0.00	15,423	185.57	0.18
32.80	0.00	15,360	185.56	0.18
32.90	0.00	15,297	185.56	0.17
33.00	0.00	15,234	185.55	0.17
33.10	0.00	15,171	185.55	0.17
33.20	0.00	15,109	185.54	0.17
33.30	0.00	15,046	185.53	0.17
33.40	0.00	14,984	185.53	0.17
33.50	0.00	14,922	185.52	0.17
33.60	0.00	14,860	185.52	0.17
33.70	0.00	14,799	185.51	0.17
33.80	0.00	14,737	185.51	0.17
33.90	0.00	14,676	185.50	0.17
34.00	0.00	14,615	185.49	0.17
34.10	0.00	14,554	185.49	0.17
34.20	0.00	14,493	185.48	0.17
34.30	0.00	14,432	185.48	0.17
34.40	0.00	14,371	185.47	0.17
34.50	0.00	14,311	185.47	0.17
34.60	0.00	14,251	185.46	0.17
34.70	0.00	14,191	185.45	0.17
34.80	0.00	14,131	185.45	0.17
34.90	0.00	14,071	185.44	0.17
35.00	0.00	14,012	185.44	0.17
35.10	0.00	13,952	185.43	0.16
35.20	0.00	13,893	185.43	0.16
35.30	0.00	13,834	185.42	0.16
35.40	0.00	13,775	185.42	0.16
35.50	0.00	13,716	185.41	0.16
35.60	0.00	13,658	185.40	0.16
35.70	0.00	13,599	185.40	0.16
35.80	0.00	13,541	185.39	0.16
35.90	0.00	13,483	185.39	0.16
36.00	0.00	13,425	185.38	0.16
36.10	0.00	13,367	185.38	0.16
36.20	0.00	13,309	185.37	0.16
36.30	0.00	13,252	185.37	0.16

Hydrograph for Pond B-50: Basin #50 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	13,195	185.36	0.16
36.50	0.00	13,138	185.36	0.16
36.60	0.00	13,081	185.35	0.16
36.70	0.00	13,024	185.35	0.16
36.80	0.00	12,967	185.34	0.16
36.90	0.00	12,911	185.33	0.16
37.00	0.00	12,855	185.33	0.16
37.10	0.00	12,798	185.32	0.16
37.20	0.00	12,743	185.32	0.16
37.30	0.00	12,687	185.31	0.15
37.40	0.00	12,631	185.31	0.15
37.50	0.00	12,576	185.30	0.15
37.60	0.00	12,520	185.30	0.15
37.70	0.00	12,465	185.29	0.15
37.80	0.00	12,410	185.29	0.15
37.90	0.00	12,355	185.28	0.15
38.00	0.00	12,301	185.28	0.15
38.10	0.00	12,246	185.27	0.15
38.20	0.00	12,192	185.27	0.15
38.30	0.00	12,138	185.26	0.15
38.40	0.00	12,084	185.26	0.15
38.50	0.00	12,030	185.25	0.15
38.60	0.00	11,977	185.25	0.15
38.70	0.00	11,923	185.24	0.15
38.80	0.00	11,870	185.24	0.15
38.90	0.00	11,817	185.23	0.15
39.00	0.00	11,764	185.22	0.15
39.10	0.00	11,711	185.22	0.15
39.20	0.00	11,658	185.21	0.15
39.30	0.00	11,606	185.21	0.15
39.40	0.00	11,554	185.20	0.14
39.50	0.00	11,502	185.20	0.14
39.60	0.00	11,450	185.19	0.14
39.70	0.00	11,398	185.19	0.14
39.80	0.00	11,346	185.18	0.14
39.90	0.00	11,295	185.18	0.14
40.00	0.00	11,243	185.17	0.14

Stage-Discharge for Pond B-50: Basin #50

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
184.00	0.00	184.52	0.05	185.04	0.13	185.56	0.17
184.01	0.00	184.53	0.05	185.05	0.13	185.57	0.18
184.02	0.00	184.54	0.06	185.06	0.13	185.58	0.18
184.03	0.00	184.55	0.06	185.07	0.13	185.59	0.18
184.04	0.00	184.56	0.06	185.08	0.13	185.60	0.18
184.05	0.00	184.57	0.06	185.09	0.13	185.61	0.18
184.06	0.00	184.58	0.06	185.10	0.13	185.62	0.18
184.07	0.00	184.59	0.07	185.11	0.14	185.63	0.18
184.08	0.00	184.60	0.07	185.12	0.14	185.64	0.18
184.09	0.00	184.61	0.07	185.13	0.14	185.65	0.18
184.10	0.00	184.62	0.07	185.14	0.14	185.66	0.18
184.11	0.00	184.63	0.07	185.15	0.14	185.67	0.18
184.12	0.00	184.64	0.08	185.16	0.14	185.68	0.18
184.13	0.00	184.65	0.08	185.17	0.14	185.69	0.18
184.14	0.00	184.66	0.08	185.18	0.14	185.70	0.19
184.15	0.00	184.67	0.08	185.19	0.14	185.71	0.19
184.16	0.00	184.68	0.08	185.20	0.14	185.72	0.19
184.17	0.00	184.69	0.08	185.21	0.15	185.73	0.19
184.18	0.00	184.70	0.09	185.22	0.15	185.74	0.19
184.19	0.00	184.71	0.09	185.23	0.15	185.75	0.19
184.20	0.00	184.72	0.09	185.24	0.15	185.76	0.19
184.21	0.00	184.73	0.09	185.25	0.15	185.77	0.19
184.22	0.00	184.74	0.09	185.26	0.15	185.78	0.19
184.23	0.00	184.75	0.09	185.27	0.15	185.79	0.19
184.24	0.00	184.76	0.10	185.28	0.15	185.80	0.19
184.25	0.00	184.77	0.10	185.29	0.15	185.81	0.19
184.26	0.00	184.78	0.10	185.30	0.15	185.82	0.19
184.27	0.00	184.79	0.10	185.31	0.15	185.83	0.19
184.28	0.00	184.80	0.10	185.32	0.16	185.84	0.20
184.29	0.00	184.81	0.10	185.33	0.16	185.85	0.20
184.30	0.00	184.82	0.10	185.34	0.16	185.86	0.20
184.31	0.00	184.83	0.10	185.35	0.16	185.87	0.20
184.32	0.00	184.84	0.11	185.36	0.16	185.88	0.20
184.33	0.00	184.85	0.11	185.37	0.16	185.89	0.20
184.34	0.00	184.86	0.11	185.38	0.16	185.90	0.20
184.35	0.00	184.87	0.11	185.39	0.16	185.91	0.20
184.36	0.00	184.88	0.11	185.40	0.16	185.92	0.20
184.37	0.00	184.89	0.11	185.41	0.16	185.93	0.20
184.38	0.01	184.90	0.11	185.42	0.16	185.94	0.20
184.39	0.01	184.91	0.11	185.43	0.16	185.95	0.20
184.40	0.01	184.92	0.12	185.44	0.17	185.96	0.20
184.41	0.01	184.93	0.12	185.45	0.17	185.97	0.20
184.42	0.02	184.94	0.12	185.46	0.17	185.98	0.20
184.43	0.02	184.95	0.12	185.47	0.17	185.99	0.21
184.44	0.02	184.96	0.12	185.48	0.17	186.00	0.21
184.45	0.03	184.97	0.12	185.49	0.17	186.01	0.21
184.46	0.03	184.98	0.12	185.50	0.17	186.02	0.21
184.47	0.03	184.99	0.12	185.51	0.17	186.03	0.21
184.48	0.04	185.00	0.12	185.52	0.17	186.04	0.21
184.49	0.04	185.01	0.13	185.53	0.17	186.05	0.21
184.50	0.05	185.02	0.13	185.54	0.17	186.06	0.21
184.51	0.05	185.03	0.13	185.55	0.17	186.07	0.21

Stage-Discharge for Pond B-50: Basin #50 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
186.08	0.21	186.60	0.24	187.12	0.27	187.64	0.97
186.09	0.21	186.61	0.24	187.13	0.27	187.65	1.05
186.10	0.21	186.62	0.24	187.14	0.27	187.66	1.13
186.11	0.21	186.63	0.24	187.15	0.27	187.67	1.20
186.12	0.21	186.64	0.24	187.16	0.27	187.68	1.29
186.13	0.21	186.65	0.24	187.17	0.27	187.69	1.37
186.14	0.22	186.66	0.25	187.18	0.27	187.70	1.46
186.15	0.22	186.67	0.25	187.19	0.27	187.71	1.54
186.16	0.22	186.68	0.25	187.20	0.27	187.72	1.63
186.17	0.22	186.69	0.25	187.21	0.27	187.73	1.72
186.18	0.22	186.70	0.25	187.22	0.27	187.74	1.82
186.19	0.22	186.71	0.25	187.23	0.27	187.75	1.91
186.20	0.22	186.72	0.25	187.24	0.28	187.76	2.01
186.21	0.22	186.73	0.25	187.25	0.28	187.77	2.11
186.22	0.22	186.74	0.25	187.26	0.28	187.78	2.21
186.23	0.22	186.75	0.25	187.27	0.28	187.79	2.31
186.24	0.22	186.76	0.25	187.28	0.28	187.80	2.42
186.25	0.22	186.77	0.25	187.29	0.28	187.81	2.52
186.26	0.22	186.78	0.25	187.30	0.28	187.82	2.63
186.27	0.22	186.79	0.25	187.31	0.28	187.83	2.74
186.28	0.22	186.80	0.25	187.32	0.28	187.84	2.85
186.29	0.22	186.81	0.25	187.33	0.28	187.85	2.96
186.30	0.22	186.82	0.25	187.34	0.28	187.86	3.08
186.31	0.23	186.83	0.25	187.35	0.28	187.87	3.19
186.32	0.23	186.84	0.26	187.36	0.28	187.88	3.31
186.33	0.23	186.85	0.26	187.37	0.28	187.89	3.43
186.34	0.23	186.86	0.26	187.38	0.28	187.90	3.55
186.35	0.23	186.87	0.26	187.39	0.28	187.91	3.67
186.36	0.23	186.88	0.26	187.40	0.28	187.92	3.79
186.37	0.23	186.89	0.26	187.41	0.28	187.93	3.92
186.38	0.23	186.90	0.26	187.42	0.28	187.94	4.04
186.39	0.23	186.91	0.26	187.43	0.28	187.95	4.17
186.40	0.23	186.92	0.26	187.44	0.29	187.96	4.30
186.41	0.23	186.93	0.26	187.45	0.29	187.97	4.42
186.42	0.23	186.94	0.26	187.46	0.29	187.98	4.55
186.43	0.23	186.95	0.26	187.47	0.29	187.99	4.69
186.44	0.23	186.96	0.26	187.48	0.29	188.00	4.82
186.45	0.23	186.97	0.26	187.49	0.29	188.01	4.95
186.46	0.23	186.98	0.26	187.50	0.29	188.02	5.09
186.47	0.23	186.99	0.26	187.51	0.30	188.03	5.22
186.48	0.24	187.00	0.26	187.52	0.33	188.04	5.36
186.49	0.24	187.01	0.26	187.53	0.36	188.05	5.50
186.50	0.24	187.02	0.26	187.54	0.39	188.06	5.64
186.51	0.24	187.03	0.26	187.55	0.44	188.07	5.78
186.52	0.24	187.04	0.27	187.56	0.48	188.08	5.92
186.53	0.24	187.05	0.27	187.57	0.53	188.09	6.07
186.54	0.24	187.06	0.27	187.58	0.59	188.10	6.21
186.55	0.24	187.07	0.27	187.59	0.64	188.11	6.36
186.56	0.24	187.08	0.27	187.60	0.70	188.12	6.50
186.57	0.24	187.09	0.27	187.61	0.77	188.13	6.65
186.58	0.24	187.10	0.27	187.62	0.83	188.14	6.80
186.59	0.24	187.11	0.27	187.63	0.90	188.15	6.95

Stage-Discharge for Pond B-50: Basin #50 (continued)

Elevation (feet)	Primary (cfs)
188.16	7.10
188.17	7.25
188.18	7.40
188.19	7.56
188.20	7.71
188.21	7.87
188.22	8.02
188.23	8.18
188.24	8.34
188.25	8.50
188.26	8.66
188.27	8.82
188.28	8.98
188.29	9.14
188.30	9.31
188.31	9.47
188.32	9.64
188.33	9.80
188.34	9.97
188.35	10.14
188.36	10.31
188.37	10.48
188.38	10.65
188.39	10.82
188.40	10.99
188.41	11.17
188.42	11.34
188.43	11.51
188.44	11.69
188.45	11.87
188.46	12.11
188.47	12.42
188.48	12.76
188.49	13.14
188.50	**13.55**

Stage-Area-Storage for Pond B-50: Basin #50

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
184.00	8,805	0	184.52	9,483	4,755
184.01	8,818	88	184.53	9,496	4,850
184.02	8,831	176	184.54	9,509	4,945
184.03	8,844	265	184.55	9,522	5,040
184.04	8,857	353	184.56	9,535	5,135
184.05	8,870	442	184.57	9,548	5,231
184.06	8,883	531	184.58	9,561	5,326
184.07	8,896	620	184.59	9,574	5,422
184.08	8,909	709	184.60	9,587	5,518
184.09	8,922	798	184.61	9,600	5,613
184.10	8,935	887	184.62	9,613	5,710
184.11	8,948	976	184.63	9,626	5,806
184.12	8,961	1,066	184.64	9,639	5,902
184.13	8,974	1,156	184.65	9,652	5,999
184.14	8,987	1,245	184.66	9,665	6,095
184.15	9,000	1,335	184.67	9,678	6,192
184.16	9,013	1,425	184.68	9,691	6,289
184.17	9,027	1,516	184.69	9,704	6,386
184.18	9,040	1,606	184.70	9,717	6,483
184.19	9,053	1,696	184.71	9,730	6,580
184.20	9,066	1,787	184.72	9,743	6,677
184.21	9,079	1,878	184.73	9,756	6,775
184.22	9,092	1,969	184.74	9,769	6,872
184.23	9,105	2,060	184.75	9,782	6,970
184.24	9,118	2,151	184.76	9,795	7,068
184.25	9,131	2,242	184.77	9,808	7,166
184.26	9,144	2,333	184.78	9,821	7,264
184.27	9,157	2,425	184.79	9,834	7,363
184.28	9,170	2,516	184.80	9,847	7,461
184.29	9,183	2,608	184.81	9,860	7,559
184.30	9,196	2,700	184.82	9,873	7,658
184.31	9,209	2,792	184.83	9,886	7,757
184.32	9,222	2,884	184.84	9,900	7,856
184.33	9,235	2,977	184.85	9,913	7,955
184.34	9,248	3,069	184.86	9,926	8,054
184.35	9,261	3,162	184.87	9,939	8,153
184.36	9,274	3,254	184.88	9,952	8,253
184.37	9,287	3,347	184.89	9,965	8,353
184.38	9,300	3,440	184.90	9,978	8,452
184.39	9,313	3,533	184.91	9,991	8,552
184.40	9,326	3,626	184.92	10,004	8,652
184.41	9,339	3,720	184.93	10,017	8,752
184.42	9,352	3,813	184.94	10,030	8,852
184.43	9,365	3,907	184.95	10,043	8,953
184.44	9,378	4,000	184.96	10,056	9,053
184.45	9,391	4,094	184.97	10,069	9,154
184.46	9,404	4,188	184.98	10,082	9,255
184.47	9,417	4,282	184.99	10,095	9,355
184.48	9,430	4,377	185.00	10,108	9,457
184.49	9,443	4,471	185.01	10,121	9,558
184.50	9,457	4,565	185.02	10,135	9,659
184.51	9,470	4,660	185.03	10,148	9,760

Stage-Area-Storage for Pond B-50: Basin #50 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
185.04	10,162	9,862	185.56	10,858	15,327
185.05	10,175	9,964	185.57	10,872	15,436
185.06	10,188	10,065	185.58	10,885	15,545
185.07	10,202	10,167	185.59	10,899	15,653
185.08	10,215	10,269	185.60	10,912	15,762
185.09	10,229	10,372	185.61	10,925	15,872
185.10	10,242	10,474	185.62	10,939	15,981
185.11	10,255	10,576	185.63	10,952	16,090
185.12	10,269	10,679	185.64	10,966	16,200
185.13	10,282	10,782	185.65	10,979	16,310
185.14	10,296	10,885	185.66	10,992	16,420
185.15	10,309	10,988	185.67	11,006	16,530
185.16	10,322	11,091	185.68	11,019	16,640
185.17	10,336	11,194	185.69	11,033	16,750
185.18	10,349	11,298	185.70	11,046	16,860
185.19	10,363	11,401	185.71	11,059	16,971
185.20	10,376	11,505	185.72	11,073	17,082
185.21	10,389	11,609	185.73	11,086	17,192
185.22	10,403	11,713	185.74	11,100	17,303
185.23	10,416	11,817	185.75	11,113	17,414
185.24	10,430	11,921	185.76	11,126	17,526
185.25	10,443	12,025	185.77	11,140	17,637
185.26	10,456	12,130	185.78	11,153	17,748
185.27	10,470	12,235	185.79	11,167	17,860
185.28	10,483	12,339	185.80	11,180	17,972
185.29	10,497	12,444	185.81	11,193	18,084
185.30	10,510	12,549	185.82	11,207	18,196
185.31	10,523	12,654	185.83	11,220	18,308
185.32	10,537	12,760	185.84	11,234	18,420
185.33	10,550	12,865	185.85	11,247	18,532
185.34	10,564	12,971	185.86	11,260	18,645
185.35	10,577	13,076	185.87	11,274	18,758
185.36	10,590	13,182	185.88	11,287	18,870
185.37	10,604	13,288	185.89	11,301	18,983
185.38	10,617	13,394	185.90	11,314	19,096
185.39	10,631	13,501	185.91	11,327	19,210
185.40	10,644	13,607	185.92	11,341	19,323
185.41	10,657	13,713	185.93	11,354	19,436
185.42	10,671	13,820	185.94	11,368	19,550
185.43	10,684	13,927	185.95	11,381	19,664
185.44	10,698	14,034	185.96	11,394	19,778
185.45	10,711	14,141	185.97	11,408	19,892
185.46	10,724	14,248	185.98	11,421	20,006
185.47	10,738	14,355	185.99	11,435	20,120
185.48	10,751	14,463	186.00	11,448	20,235
185.49	10,765	14,570	186.01	11,462	20,349
185.50	10,778	14,678	186.02	11,476	20,464
185.51	10,791	14,786	186.03	11,489	20,579
185.52	10,805	14,894	186.04	11,503	20,694
185.53	10,818	15,002	186.05	11,517	20,809
185.54	10,832	15,110	186.06	11,531	20,924
185.55	10,845	15,219	186.07	11,544	21,039

Stage-Area-Storage for Pond B-50: Basin #50 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
186.08	11,558	21,155	186.60	12,275	27,351
186.09	11,572	21,270	186.61	12,289	27,474
186.10	11,586	21,386	186.62	12,302	27,597
186.11	11,600	21,502	186.63	12,316	27,720
186.12	11,613	21,618	186.64	12,330	27,843
186.13	11,627	21,734	186.65	12,344	27,967
186.14	11,641	21,851	186.66	12,357	28,090
186.15	11,655	21,967	186.67	12,371	28,214
186.16	11,668	22,084	186.68	12,385	28,338
186.17	11,682	22,201	186.69	12,399	28,462
186.18	11,696	22,317	186.70	12,413	28,586
186.19	11,710	22,434	186.71	12,426	28,710
186.20	11,724	22,552	186.72	12,440	28,834
186.21	11,737	22,669	186.73	12,454	28,959
186.22	11,751	22,786	186.74	12,468	29,083
186.23	11,765	22,904	186.75	12,482	29,208
186.24	11,779	23,022	186.76	12,495	29,333
186.25	11,793	23,140	186.77	12,509	29,458
186.26	11,806	23,258	186.78	12,523	29,583
186.27	11,820	23,376	186.79	12,537	29,708
186.28	11,834	23,494	186.80	12,550	29,834
186.29	11,848	23,612	186.81	12,564	29,959
186.30	11,861	23,731	186.82	12,578	30,085
186.31	11,875	23,850	186.83	12,592	30,211
186.32	11,889	23,968	186.84	12,606	30,337
186.33	11,903	24,087	186.85	12,619	30,463
186.34	11,917	24,206	186.86	12,633	30,589
186.35	11,930	24,326	186.87	12,647	30,716
186.36	11,944	24,445	186.88	12,661	30,842
186.37	11,958	24,565	186.89	12,674	30,969
186.38	11,972	24,684	186.90	12,688	31,096
186.39	11,985	24,804	186.91	12,702	31,223
186.40	11,999	24,924	186.92	12,716	31,350
186.41	12,013	25,044	186.93	12,730	31,477
186.42	12,027	25,164	186.94	12,743	31,604
186.43	12,041	25,285	186.95	12,757	31,732
186.44	12,054	25,405	186.96	12,771	31,860
186.45	12,068	25,526	186.97	12,785	31,987
186.46	12,082	25,646	186.98	12,798	32,115
186.47	12,096	25,767	186.99	12,812	32,243
186.48	12,109	25,888	187.00	12,826	32,372
186.49	12,123	26,009	187.01	12,840	32,500
186.50	12,137	26,131	187.02	12,854	32,628
186.51	12,151	26,252	187.03	12,869	32,757
186.52	12,165	26,374	187.04	12,883	32,886
186.53	12,178	26,495	187.05	12,897	33,015
186.54	12,192	26,617	187.06	12,911	33,144
186.55	12,206	26,739	187.07	12,925	33,273
186.56	12,220	26,861	187.08	12,939	33,402
186.57	12,233	26,984	187.09	12,954	33,532
186.58	12,247	27,106	187.10	12,968	33,661
186.59	12,261	27,229	187.11	12,982	33,791

Stage-Area-Storage for Pond B-50: Basin #50 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
187.12	12,996	33,921	187.64	13,734	40,871
187.13	13,010	34,051	187.65	13,748	41,008
187.14	13,025	34,181	187.66	13,762	41,146
187.15	13,039	34,311	187.67	13,776	41,283
187.16	13,053	34,442	187.68	13,790	41,421
187.17	13,067	34,572	187.69	13,804	41,559
187.18	13,081	34,703	187.70	13,819	41,697
187.19	13,095	34,834	187.71	13,833	41,835
187.20	13,110	34,965	187.72	13,847	41,974
187.21	13,124	35,096	187.73	13,861	42,112
187.22	13,138	35,228	187.74	13,875	42,251
187.23	13,152	35,359	187.75	13,890	42,390
187.24	13,166	35,491	187.76	13,904	42,529
187.25	13,181	35,622	187.77	13,918	42,668
187.26	13,195	35,754	187.78	13,932	42,807
187.27	13,209	35,886	187.79	13,946	42,947
187.28	13,223	36,018	187.80	13,960	43,086
187.29	13,237	36,151	187.81	13,975	43,226
187.30	13,251	36,283	187.82	13,989	43,366
187.31	13,266	36,416	187.83	14,003	43,506
187.32	13,280	36,548	187.84	14,017	43,646
187.33	13,294	36,681	187.85	14,031	43,786
187.34	13,308	36,814	187.86	14,045	43,926
187.35	13,322	36,947	187.87	14,060	44,067
187.36	13,336	37,081	187.88	14,074	44,207
187.37	13,351	37,214	187.89	14,088	44,348
187.38	13,365	37,348	187.90	14,102	44,489
187.39	13,379	37,481	187.91	14,116	44,630
187.40	13,393	37,615	187.92	14,131	44,772
187.41	13,407	37,749	187.93	14,145	44,913
187.42	13,422	37,883	187.94	14,159	45,054
187.43	13,436	38,018	187.95	14,173	45,196
187.44	13,450	38,152	187.96	14,187	45,338
187.45	13,464	38,287	187.97	14,201	45,480
187.46	13,478	38,421	187.98	14,216	45,622
187.47	13,492	38,556	187.99	14,230	45,764
187.48	13,507	38,691	188.00	14,244	45,907
187.49	13,521	38,826	188.01	14,258	46,049
187.50	13,535	38,962	188.02	14,273	46,192
187.51	13,549	39,097	188.03	14,287	46,334
187.52	13,563	39,233	188.04	14,302	46,477
187.53	13,578	39,368	188.05	14,316	46,621
187.54	13,592	39,504	188.06	14,331	46,764
187.55	13,606	39,640	188.07	14,345	46,907
187.56	13,620	39,776	188.08	14,360	47,051
187.57	13,634	39,913	188.09	14,374	47,194
187.58	13,648	40,049	188.10	14,388	47,338
187.59	13,663	40,186	188.11	14,403	47,482
187.60	13,677	40,322	188.12	14,417	47,626
187.61	13,691	40,459	188.13	14,432	47,770
187.62	13,705	40,596	188.14	14,446	47,915
187.63	13,719	40,733	188.15	14,461	48,059

Stage-Area-Storage for Pond B-50: Basin #50 (continued)

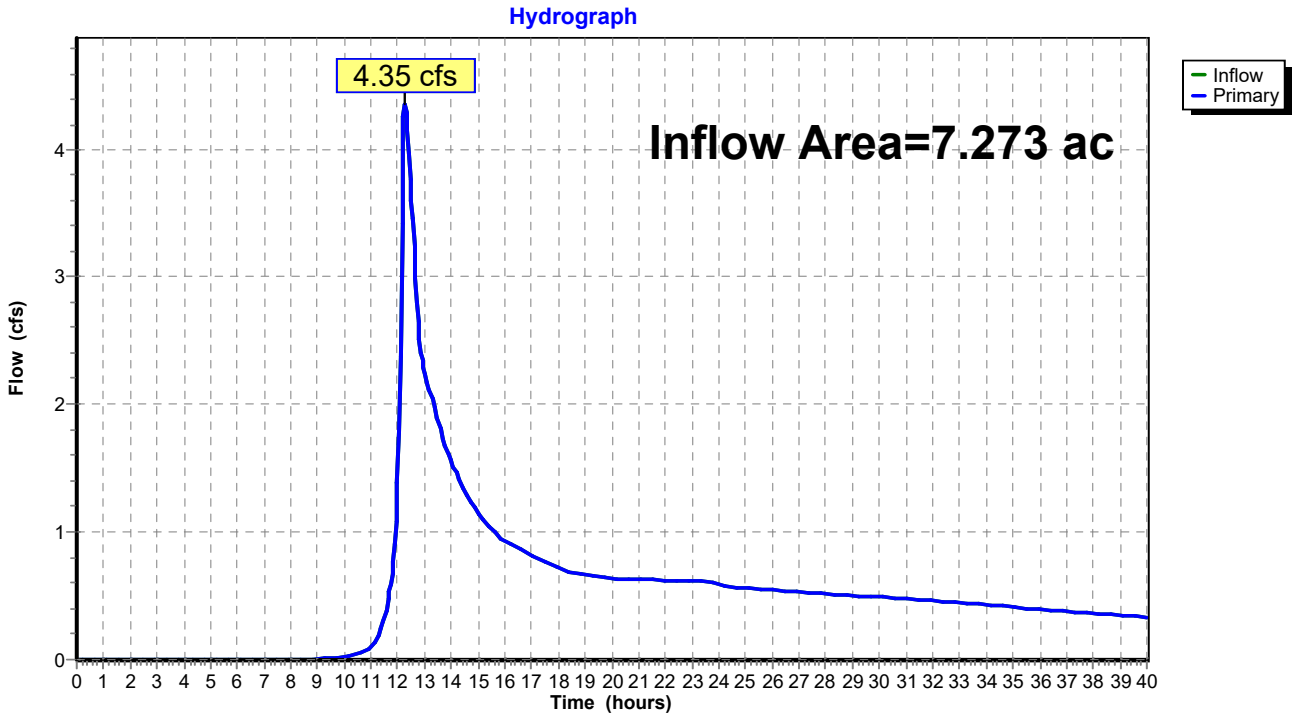
Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
188.16	14,475	48,204
188.17	14,489	48,349
188.18	14,504	48,494
188.19	14,518	48,639
188.20	14,533	48,784
188.21	14,547	48,930
188.22	14,562	49,075
188.23	14,576	49,221
188.24	14,591	49,367
188.25	14,605	49,513
188.26	14,619	49,659
188.27	14,634	49,805
188.28	14,648	49,951
188.29	14,663	50,098
188.30	14,677	50,245
188.31	14,692	50,392
188.32	14,706	50,539
188.33	14,721	50,686
188.34	14,735	50,833
188.35	14,749	50,980
188.36	14,764	51,128
188.37	14,778	51,276
188.38	14,793	51,423
188.39	14,807	51,571
188.40	14,822	51,720
188.41	14,836	51,868
188.42	14,850	52,016
188.43	14,865	52,165
188.44	14,879	52,314
188.45	14,894	52,463
188.46	14,908	52,612
188.47	14,923	52,761
188.48	14,937	52,910
188.49	14,952	53,059
188.50	**14,966**	**53,209**

Summary for Link PDA-5: Proposed Drainage Area #5

Inflow Area = 7.273 ac, 32.33% Impervious, Inflow Depth > 2.82" for Future 10 yr event
Inflow = 4.35 cfs @ 12.25 hrs, Volume= 1.708 af
Primary = 4.35 cfs @ 12.25 hrs, Volume= 1.708 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link PDA-5: Proposed Drainage Area #5



Hydrograph for Link PDA-5: Proposed Drainage Area #5

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link PDA-5: Proposed Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.01	0.00	0.01
6.25	0.00	0.00	0.00	8.85	0.01	0.00	0.01
6.30	0.00	0.00	0.00	8.90	0.01	0.00	0.01
6.35	0.00	0.00	0.00	8.95	0.01	0.00	0.01
6.40	0.00	0.00	0.00	9.00	0.01	0.00	0.01
6.45	0.00	0.00	0.00	9.05	0.01	0.00	0.01
6.50	0.00	0.00	0.00	9.10	0.01	0.00	0.01
6.55	0.00	0.00	0.00	9.15	0.01	0.00	0.01
6.60	0.00	0.00	0.00	9.20	0.01	0.00	0.01
6.65	0.00	0.00	0.00	9.25	0.01	0.00	0.01
6.70	0.00	0.00	0.00	9.30	0.01	0.00	0.01
6.75	0.00	0.00	0.00	9.35	0.01	0.00	0.01
6.80	0.00	0.00	0.00	9.40	0.01	0.00	0.01
6.85	0.00	0.00	0.00	9.45	0.01	0.00	0.01
6.90	0.00	0.00	0.00	9.50	0.01	0.00	0.01
6.95	0.00	0.00	0.00	9.55	0.02	0.00	0.02
7.00	0.00	0.00	0.00	9.60	0.02	0.00	0.02
7.05	0.00	0.00	0.00	9.65	0.02	0.00	0.02
7.10	0.00	0.00	0.00	9.70	0.02	0.00	0.02
7.15	0.00	0.00	0.00	9.75	0.02	0.00	0.02
7.20	0.00	0.00	0.00	9.80	0.02	0.00	0.02
7.25	0.00	0.00	0.00	9.85	0.02	0.00	0.02
7.30	0.00	0.00	0.00	9.90	0.02	0.00	0.02
7.35	0.00	0.00	0.00	9.95	0.02	0.00	0.02
7.40	0.00	0.00	0.00	10.00	0.03	0.00	0.03
7.45	0.00	0.00	0.00	10.05	0.03	0.00	0.03
7.50	0.00	0.00	0.00	10.10	0.03	0.00	0.03
7.55	0.00	0.00	0.00	10.15	0.03	0.00	0.03
7.60	0.00	0.00	0.00	10.20	0.03	0.00	0.03
7.65	0.00	0.00	0.00	10.25	0.03	0.00	0.03
7.70	0.00	0.00	0.00	10.30	0.03	0.00	0.03
7.75	0.00	0.00	0.00	10.35	0.04	0.00	0.04

Hydrograph for Link PDA-5: Proposed Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.04	0.00	0.04	13.00	2.25	0.00	2.25
10.45	0.04	0.00	0.04	13.05	2.21	0.00	2.21
10.50	0.04	0.00	0.04	13.10	2.16	0.00	2.16
10.55	0.04	0.00	0.04	13.15	2.13	0.00	2.13
10.60	0.05	0.00	0.05	13.20	2.10	0.00	2.10
10.65	0.05	0.00	0.05	13.25	2.07	0.00	2.07
10.70	0.05	0.00	0.05	13.30	2.03	0.00	2.03
10.75	0.06	0.00	0.06	13.35	2.00	0.00	2.00
10.80	0.06	0.00	0.06	13.40	1.96	0.00	1.96
10.85	0.07	0.00	0.07	13.45	1.92	0.00	1.92
10.90	0.08	0.00	0.08	13.50	1.88	0.00	1.88
10.95	0.08	0.00	0.08	13.55	1.84	0.00	1.84
11.00	0.10	0.00	0.10	13.60	1.79	0.00	1.79
11.05	0.11	0.00	0.11	13.65	1.75	0.00	1.75
11.10	0.12	0.00	0.12	13.70	1.72	0.00	1.72
11.15	0.14	0.00	0.14	13.75	1.68	0.00	1.68
11.20	0.16	0.00	0.16	13.80	1.65	0.00	1.65
11.25	0.19	0.00	0.19	13.85	1.62	0.00	1.62
11.30	0.21	0.00	0.21	13.90	1.60	0.00	1.60
11.35	0.24	0.00	0.24	13.95	1.57	0.00	1.57
11.40	0.26	0.00	0.26	14.00	1.55	0.00	1.55
11.45	0.29	0.00	0.29	14.05	1.52	0.00	1.52
11.50	0.32	0.00	0.32	14.10	1.50	0.00	1.50
11.55	0.36	0.00	0.36	14.15	1.48	0.00	1.48
11.60	0.42	0.00	0.42	14.20	1.45	0.00	1.45
11.65	0.48	0.00	0.48	14.25	1.43	0.00	1.43
11.70	0.54	0.00	0.54	14.30	1.41	0.00	1.41
11.75	0.59	0.00	0.59	14.35	1.39	0.00	1.39
11.80	0.67	0.00	0.67	14.40	1.37	0.00	1.37
11.85	0.77	0.00	0.77	14.45	1.35	0.00	1.35
11.90	0.91	0.00	0.91	14.50	1.33	0.00	1.33
11.95	1.09	0.00	1.09	14.55	1.31	0.00	1.31
12.00	1.39	0.00	1.39	14.60	1.29	0.00	1.29
12.05	1.79	0.00	1.79	14.65	1.27	0.00	1.27
12.10	2.37	0.00	2.37	14.70	1.25	0.00	1.25
12.15	3.41	0.00	3.41	14.75	1.24	0.00	1.24
12.20	4.25	0.00	4.25	14.80	1.22	0.00	1.22
12.25	**4.35**	0.00	**4.35**	14.85	1.21	0.00	1.21
12.30	4.28	0.00	4.28	14.90	1.19	0.00	1.19
12.35	4.14	0.00	4.14	14.95	1.17	0.00	1.17
12.40	3.96	0.00	3.96	15.00	1.16	0.00	1.16
12.45	3.76	0.00	3.76	15.05	1.14	0.00	1.14
12.50	3.60	0.00	3.60	15.10	1.12	0.00	1.12
12.55	3.45	0.00	3.45	15.15	1.11	0.00	1.11
12.60	3.23	0.00	3.23	15.20	1.09	0.00	1.09
12.65	3.00	0.00	3.00	15.25	1.08	0.00	1.08
12.70	2.80	0.00	2.80	15.30	1.07	0.00	1.07
12.75	2.64	0.00	2.64	15.35	1.05	0.00	1.05
12.80	2.51	0.00	2.51	15.40	1.04	0.00	1.04
12.85	2.41	0.00	2.41	15.45	1.03	0.00	1.03
12.90	2.35	0.00	2.35	15.50	1.02	0.00	1.02
12.95	2.29	0.00	2.29	15.55	1.01	0.00	1.01

Hydrograph for Link PDA-5: Proposed Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	1.00	0.00	1.00	18.20	0.71	0.00	0.71
15.65	0.99	0.00	0.99	18.25	0.70	0.00	0.70
15.70	0.98	0.00	0.98	18.30	0.70	0.00	0.70
15.75	0.97	0.00	0.97	18.35	0.70	0.00	0.70
15.80	0.96	0.00	0.96	18.40	0.69	0.00	0.69
15.85	0.96	0.00	0.96	18.45	0.69	0.00	0.69
15.90	0.95	0.00	0.95	18.50	0.69	0.00	0.69
15.95	0.94	0.00	0.94	18.55	0.68	0.00	0.68
16.00	0.93	0.00	0.93	18.60	0.68	0.00	0.68
16.05	0.93	0.00	0.93	18.65	0.68	0.00	0.68
16.10	0.92	0.00	0.92	18.70	0.68	0.00	0.68
16.15	0.91	0.00	0.91	18.75	0.67	0.00	0.67
16.20	0.91	0.00	0.91	18.80	0.67	0.00	0.67
16.25	0.90	0.00	0.90	18.85	0.67	0.00	0.67
16.30	0.89	0.00	0.89	18.90	0.67	0.00	0.67
16.35	0.89	0.00	0.89	18.95	0.67	0.00	0.67
16.40	0.88	0.00	0.88	19.00	0.67	0.00	0.67
16.45	0.87	0.00	0.87	19.05	0.66	0.00	0.66
16.50	0.87	0.00	0.87	19.10	0.66	0.00	0.66
16.55	0.86	0.00	0.86	19.15	0.66	0.00	0.66
16.60	0.86	0.00	0.86	19.20	0.66	0.00	0.66
16.65	0.85	0.00	0.85	19.25	0.66	0.00	0.66
16.70	0.85	0.00	0.85	19.30	0.66	0.00	0.66
16.75	0.84	0.00	0.84	19.35	0.65	0.00	0.65
16.80	0.84	0.00	0.84	19.40	0.65	0.00	0.65
16.85	0.83	0.00	0.83	19.45	0.65	0.00	0.65
16.90	0.83	0.00	0.83	19.50	0.65	0.00	0.65
16.95	0.82	0.00	0.82	19.55	0.65	0.00	0.65
17.00	0.82	0.00	0.82	19.60	0.65	0.00	0.65
17.05	0.81	0.00	0.81	19.65	0.64	0.00	0.64
17.10	0.81	0.00	0.81	19.70	0.64	0.00	0.64
17.15	0.80	0.00	0.80	19.75	0.64	0.00	0.64
17.20	0.80	0.00	0.80	19.80	0.64	0.00	0.64
17.25	0.79	0.00	0.79	19.85	0.64	0.00	0.64
17.30	0.79	0.00	0.79	19.90	0.64	0.00	0.64
17.35	0.78	0.00	0.78	19.95	0.64	0.00	0.64
17.40	0.78	0.00	0.78	20.00	0.64	0.00	0.64
17.45	0.77	0.00	0.77	20.05	0.64	0.00	0.64
17.50	0.77	0.00	0.77	20.10	0.64	0.00	0.64
17.55	0.76	0.00	0.76	20.15	0.63	0.00	0.63
17.60	0.76	0.00	0.76	20.20	0.63	0.00	0.63
17.65	0.75	0.00	0.75	20.25	0.63	0.00	0.63
17.70	0.75	0.00	0.75	20.30	0.63	0.00	0.63
17.75	0.74	0.00	0.74	20.35	0.63	0.00	0.63
17.80	0.74	0.00	0.74	20.40	0.63	0.00	0.63
17.85	0.73	0.00	0.73	20.45	0.63	0.00	0.63
17.90	0.73	0.00	0.73	20.50	0.63	0.00	0.63
17.95	0.73	0.00	0.73	20.55	0.63	0.00	0.63
18.00	0.72	0.00	0.72	20.60	0.63	0.00	0.63
18.05	0.72	0.00	0.72	20.65	0.63	0.00	0.63
18.10	0.71	0.00	0.71	20.70	0.63	0.00	0.63
18.15	0.71	0.00	0.71	20.75	0.63	0.00	0.63

Hydrograph for Link PDA-5: Proposed Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.63	0.00	0.63	23.40	0.61	0.00	0.61
20.85	0.63	0.00	0.63	23.45	0.61	0.00	0.61
20.90	0.63	0.00	0.63	23.50	0.61	0.00	0.61
20.95	0.63	0.00	0.63	23.55	0.61	0.00	0.61
21.00	0.63	0.00	0.63	23.60	0.61	0.00	0.61
21.05	0.63	0.00	0.63	23.65	0.61	0.00	0.61
21.10	0.63	0.00	0.63	23.70	0.61	0.00	0.61
21.15	0.63	0.00	0.63	23.75	0.61	0.00	0.61
21.20	0.63	0.00	0.63	23.80	0.61	0.00	0.61
21.25	0.63	0.00	0.63	23.85	0.61	0.00	0.61
21.30	0.63	0.00	0.63	23.90	0.61	0.00	0.61
21.35	0.63	0.00	0.63	23.95	0.61	0.00	0.61
21.40	0.63	0.00	0.63	24.00	0.61	0.00	0.61
21.45	0.63	0.00	0.63	24.05	0.61	0.00	0.61
21.50	0.63	0.00	0.63	24.10	0.60	0.00	0.60
21.55	0.63	0.00	0.63	24.15	0.59	0.00	0.59
21.60	0.63	0.00	0.63	24.20	0.58	0.00	0.58
21.65	0.63	0.00	0.63	24.25	0.57	0.00	0.57
21.70	0.63	0.00	0.63	24.30	0.57	0.00	0.57
21.75	0.63	0.00	0.63	24.35	0.57	0.00	0.57
21.80	0.62	0.00	0.62	24.40	0.57	0.00	0.57
21.85	0.62	0.00	0.62	24.45	0.57	0.00	0.57
21.90	0.62	0.00	0.62	24.50	0.57	0.00	0.57
21.95	0.62	0.00	0.62	24.55	0.57	0.00	0.57
22.00	0.62	0.00	0.62	24.60	0.57	0.00	0.57
22.05	0.62	0.00	0.62	24.65	0.57	0.00	0.57
22.10	0.62	0.00	0.62	24.70	0.57	0.00	0.57
22.15	0.62	0.00	0.62	24.75	0.57	0.00	0.57
22.20	0.62	0.00	0.62	24.80	0.56	0.00	0.56
22.25	0.62	0.00	0.62	24.85	0.56	0.00	0.56
22.30	0.62	0.00	0.62	24.90	0.56	0.00	0.56
22.35	0.62	0.00	0.62	24.95	0.56	0.00	0.56
22.40	0.62	0.00	0.62	25.00	0.56	0.00	0.56
22.45	0.62	0.00	0.62	25.05	0.56	0.00	0.56
22.50	0.62	0.00	0.62	25.10	0.56	0.00	0.56
22.55	0.62	0.00	0.62	25.15	0.56	0.00	0.56
22.60	0.62	0.00	0.62	25.20	0.56	0.00	0.56
22.65	0.62	0.00	0.62	25.25	0.56	0.00	0.56
22.70	0.62	0.00	0.62	25.30	0.56	0.00	0.56
22.75	0.62	0.00	0.62	25.35	0.56	0.00	0.56
22.80	0.62	0.00	0.62	25.40	0.56	0.00	0.56
22.85	0.62	0.00	0.62	25.45	0.56	0.00	0.56
22.90	0.62	0.00	0.62	25.50	0.55	0.00	0.55
22.95	0.62	0.00	0.62	25.55	0.55	0.00	0.55
23.00	0.62	0.00	0.62	25.60	0.55	0.00	0.55
23.05	0.62	0.00	0.62	25.65	0.55	0.00	0.55
23.10	0.62	0.00	0.62	25.70	0.55	0.00	0.55
23.15	0.62	0.00	0.62	25.75	0.55	0.00	0.55
23.20	0.61	0.00	0.61	25.80	0.55	0.00	0.55
23.25	0.61	0.00	0.61	25.85	0.55	0.00	0.55
23.30	0.61	0.00	0.61	25.90	0.55	0.00	0.55
23.35	0.61	0.00	0.61	25.95	0.55	0.00	0.55

Hydrograph for Link PDA-5: Proposed Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.55	0.00	0.55	28.60	0.51	0.00	0.51
26.05	0.55	0.00	0.55	28.65	0.51	0.00	0.51
26.10	0.55	0.00	0.55	28.70	0.51	0.00	0.51
26.15	0.55	0.00	0.55	28.75	0.51	0.00	0.51
26.20	0.54	0.00	0.54	28.80	0.51	0.00	0.51
26.25	0.54	0.00	0.54	28.85	0.51	0.00	0.51
26.30	0.54	0.00	0.54	28.90	0.51	0.00	0.51
26.35	0.54	0.00	0.54	28.95	0.50	0.00	0.50
26.40	0.54	0.00	0.54	29.00	0.50	0.00	0.50
26.45	0.54	0.00	0.54	29.05	0.50	0.00	0.50
26.50	0.54	0.00	0.54	29.10	0.50	0.00	0.50
26.55	0.54	0.00	0.54	29.15	0.50	0.00	0.50
26.60	0.54	0.00	0.54	29.20	0.50	0.00	0.50
26.65	0.54	0.00	0.54	29.25	0.50	0.00	0.50
26.70	0.54	0.00	0.54	29.30	0.50	0.00	0.50
26.75	0.54	0.00	0.54	29.35	0.50	0.00	0.50
26.80	0.54	0.00	0.54	29.40	0.50	0.00	0.50
26.85	0.54	0.00	0.54	29.45	0.50	0.00	0.50
26.90	0.53	0.00	0.53	29.50	0.50	0.00	0.50
26.95	0.53	0.00	0.53	29.55	0.50	0.00	0.50
27.00	0.53	0.00	0.53	29.60	0.49	0.00	0.49
27.05	0.53	0.00	0.53	29.65	0.49	0.00	0.49
27.10	0.53	0.00	0.53	29.70	0.49	0.00	0.49
27.15	0.53	0.00	0.53	29.75	0.49	0.00	0.49
27.20	0.53	0.00	0.53	29.80	0.49	0.00	0.49
27.25	0.53	0.00	0.53	29.85	0.49	0.00	0.49
27.30	0.53	0.00	0.53	29.90	0.49	0.00	0.49
27.35	0.53	0.00	0.53	29.95	0.49	0.00	0.49
27.40	0.53	0.00	0.53	30.00	0.49	0.00	0.49
27.45	0.53	0.00	0.53	30.05	0.49	0.00	0.49
27.50	0.53	0.00	0.53	30.10	0.49	0.00	0.49
27.55	0.52	0.00	0.52	30.15	0.49	0.00	0.49
27.60	0.52	0.00	0.52	30.20	0.49	0.00	0.49
27.65	0.52	0.00	0.52	30.25	0.48	0.00	0.48
27.70	0.52	0.00	0.52	30.30	0.48	0.00	0.48
27.75	0.52	0.00	0.52	30.35	0.48	0.00	0.48
27.80	0.52	0.00	0.52	30.40	0.48	0.00	0.48
27.85	0.52	0.00	0.52	30.45	0.48	0.00	0.48
27.90	0.52	0.00	0.52	30.50	0.48	0.00	0.48
27.95	0.52	0.00	0.52	30.55	0.48	0.00	0.48
28.00	0.52	0.00	0.52	30.60	0.48	0.00	0.48
28.05	0.52	0.00	0.52	30.65	0.48	0.00	0.48
28.10	0.52	0.00	0.52	30.70	0.48	0.00	0.48
28.15	0.52	0.00	0.52	30.75	0.48	0.00	0.48
28.20	0.52	0.00	0.52	30.80	0.48	0.00	0.48
28.25	0.51	0.00	0.51	30.85	0.48	0.00	0.48
28.30	0.51	0.00	0.51	30.90	0.48	0.00	0.48
28.35	0.51	0.00	0.51	30.95	0.47	0.00	0.47
28.40	0.51	0.00	0.51	31.00	0.47	0.00	0.47
28.45	0.51	0.00	0.51	31.05	0.47	0.00	0.47
28.50	0.51	0.00	0.51	31.10	0.47	0.00	0.47
28.55	0.51	0.00	0.51	31.15	0.47	0.00	0.47

Hydrograph for Link PDA-5: Proposed Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.47	0.00	0.47	33.80	0.43	0.00	0.43
31.25	0.47	0.00	0.47	33.85	0.43	0.00	0.43
31.30	0.47	0.00	0.47	33.90	0.43	0.00	0.43
31.35	0.47	0.00	0.47	33.95	0.43	0.00	0.43
31.40	0.47	0.00	0.47	34.00	0.43	0.00	0.43
31.45	0.47	0.00	0.47	34.05	0.43	0.00	0.43
31.50	0.47	0.00	0.47	34.10	0.43	0.00	0.43
31.55	0.47	0.00	0.47	34.15	0.43	0.00	0.43
31.60	0.46	0.00	0.46	34.20	0.42	0.00	0.42
31.65	0.46	0.00	0.46	34.25	0.42	0.00	0.42
31.70	0.46	0.00	0.46	34.30	0.42	0.00	0.42
31.75	0.46	0.00	0.46	34.35	0.42	0.00	0.42
31.80	0.46	0.00	0.46	34.40	0.42	0.00	0.42
31.85	0.46	0.00	0.46	34.45	0.42	0.00	0.42
31.90	0.46	0.00	0.46	34.50	0.42	0.00	0.42
31.95	0.46	0.00	0.46	34.55	0.42	0.00	0.42
32.00	0.46	0.00	0.46	34.60	0.42	0.00	0.42
32.05	0.46	0.00	0.46	34.65	0.42	0.00	0.42
32.10	0.46	0.00	0.46	34.70	0.42	0.00	0.42
32.15	0.46	0.00	0.46	34.75	0.42	0.00	0.42
32.20	0.46	0.00	0.46	34.80	0.42	0.00	0.42
32.25	0.45	0.00	0.45	34.85	0.41	0.00	0.41
32.30	0.45	0.00	0.45	34.90	0.41	0.00	0.41
32.35	0.45	0.00	0.45	34.95	0.41	0.00	0.41
32.40	0.45	0.00	0.45	35.00	0.41	0.00	0.41
32.45	0.45	0.00	0.45	35.05	0.41	0.00	0.41
32.50	0.45	0.00	0.45	35.10	0.41	0.00	0.41
32.55	0.45	0.00	0.45	35.15	0.41	0.00	0.41
32.60	0.45	0.00	0.45	35.20	0.41	0.00	0.41
32.65	0.45	0.00	0.45	35.25	0.41	0.00	0.41
32.70	0.45	0.00	0.45	35.30	0.41	0.00	0.41
32.75	0.45	0.00	0.45	35.35	0.41	0.00	0.41
32.80	0.45	0.00	0.45	35.40	0.41	0.00	0.41
32.85	0.45	0.00	0.45	35.45	0.41	0.00	0.41
32.90	0.44	0.00	0.44	35.50	0.40	0.00	0.40
32.95	0.44	0.00	0.44	35.55	0.40	0.00	0.40
33.00	0.44	0.00	0.44	35.60	0.40	0.00	0.40
33.05	0.44	0.00	0.44	35.65	0.40	0.00	0.40
33.10	0.44	0.00	0.44	35.70	0.40	0.00	0.40
33.15	0.44	0.00	0.44	35.75	0.40	0.00	0.40
33.20	0.44	0.00	0.44	35.80	0.40	0.00	0.40
33.25	0.44	0.00	0.44	35.85	0.40	0.00	0.40
33.30	0.44	0.00	0.44	35.90	0.40	0.00	0.40
33.35	0.44	0.00	0.44	35.95	0.40	0.00	0.40
33.40	0.44	0.00	0.44	36.00	0.40	0.00	0.40
33.45	0.44	0.00	0.44	36.05	0.40	0.00	0.40
33.50	0.44	0.00	0.44	36.10	0.40	0.00	0.40
33.55	0.43	0.00	0.43	36.15	0.39	0.00	0.39
33.60	0.43	0.00	0.43	36.20	0.39	0.00	0.39
33.65	0.43	0.00	0.43	36.25	0.39	0.00	0.39
33.70	0.43	0.00	0.43	36.30	0.39	0.00	0.39
33.75	0.43	0.00	0.43	36.35	0.39	0.00	0.39

Hydrograph for Link PDA-5: Proposed Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.39	0.00	0.39
36.45	0.39	0.00	0.39
36.50	0.39	0.00	0.39
36.55	0.39	0.00	0.39
36.60	0.39	0.00	0.39
36.65	0.39	0.00	0.39
36.70	0.39	0.00	0.39
36.75	0.39	0.00	0.39
36.80	0.38	0.00	0.38
36.85	0.38	0.00	0.38
36.90	0.38	0.00	0.38
36.95	0.38	0.00	0.38
37.00	0.38	0.00	0.38
37.05	0.38	0.00	0.38
37.10	0.38	0.00	0.38
37.15	0.38	0.00	0.38
37.20	0.38	0.00	0.38
37.25	0.38	0.00	0.38
37.30	0.38	0.00	0.38
37.35	0.38	0.00	0.38
37.40	0.38	0.00	0.38
37.45	0.37	0.00	0.37
37.50	0.37	0.00	0.37
37.55	0.37	0.00	0.37
37.60	0.37	0.00	0.37
37.65	0.37	0.00	0.37
37.70	0.37	0.00	0.37
37.75	0.37	0.00	0.37
37.80	0.37	0.00	0.37
37.85	0.37	0.00	0.37
37.90	0.37	0.00	0.37
37.95	0.37	0.00	0.37
38.00	0.37	0.00	0.37
38.05	0.36	0.00	0.36
38.10	0.36	0.00	0.36
38.15	0.36	0.00	0.36
38.20	0.36	0.00	0.36
38.25	0.36	0.00	0.36
38.30	0.36	0.00	0.36
38.35	0.36	0.00	0.36
38.40	0.36	0.00	0.36
38.45	0.36	0.00	0.36
38.50	0.36	0.00	0.36
38.55	0.36	0.00	0.36
38.60	0.36	0.00	0.36
38.65	0.36	0.00	0.36
38.70	0.35	0.00	0.35
38.75	0.35	0.00	0.35
38.80	0.35	0.00	0.35
38.85	0.35	0.00	0.35
38.90	0.35	0.00	0.35
38.95	0.35	0.00	0.35
39.00	0.35	0.00	0.35
39.05	0.35	0.00	0.35
39.10	0.35	0.00	0.35
39.15	0.35	0.00	0.35
39.20	0.35	0.00	0.35
39.25	0.35	0.00	0.35
39.30	0.34	0.00	0.34
39.35	0.34	0.00	0.34
39.40	0.34	0.00	0.34
39.45	0.34	0.00	0.34
39.50	0.34	0.00	0.34
39.55	0.34	0.00	0.34
39.60	0.34	0.00	0.34
39.65	0.34	0.00	0.34
39.70	0.34	0.00	0.34
39.75	0.34	0.00	0.34
39.80	0.34	0.00	0.34
39.85	0.34	0.00	0.34
39.90	0.34	0.00	0.34
39.95	0.33	0.00	0.33
40.00	0.33	0.00	0.33

Summary for Subcatchment 48I: PDA-48 (impervious)

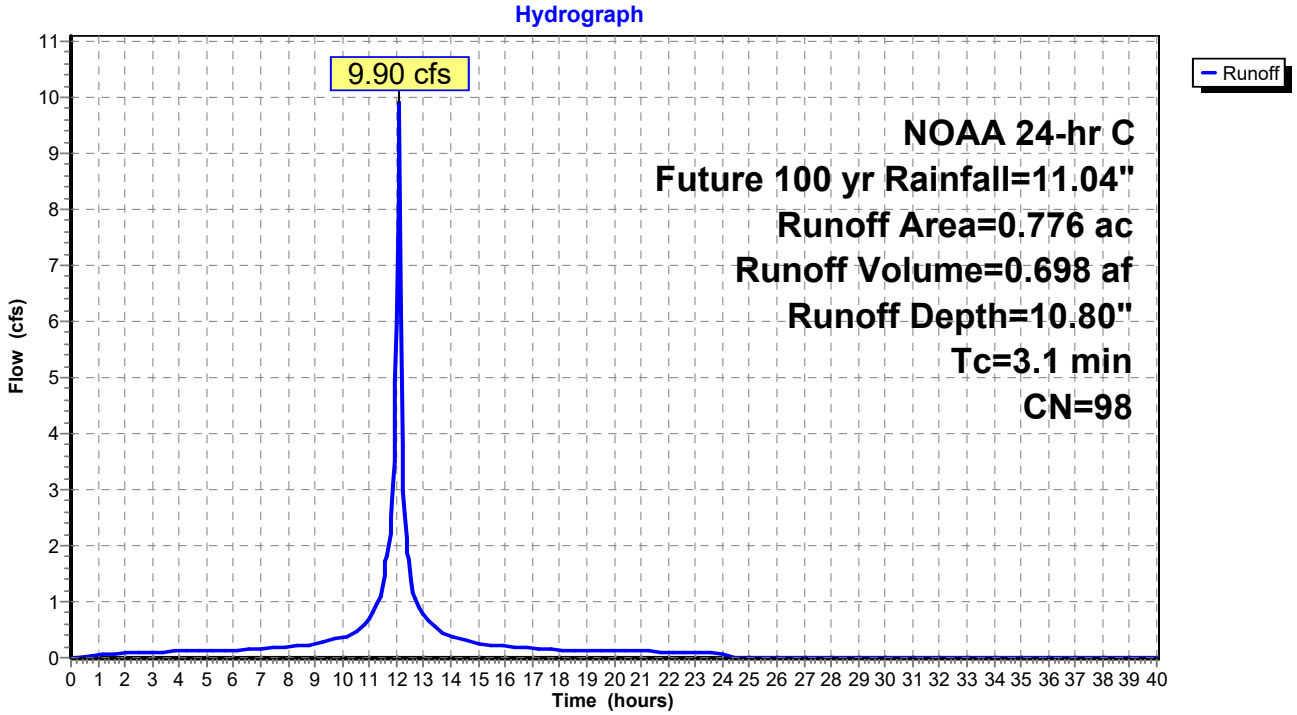
Runoff = 9.90 cfs @ 12.09 hrs, Volume= 0.698 af, Depth=10.80"
Routed to Pond B-48 : Basin #48

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

	Area (ac)	CN	Description
*	0.235	98	Pavement, HSG C
*	0.522	98	Roof, HSG C
*	0.019	98	Concrete, HSG C
	0.776	98	Weighted Average
	0.776		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.1					**Direct Entry,**

Subcatchment 48I: PDA-48 (impervious)



Hydrograph for Subcatchment 48I: PDA-48 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.17	0.09
0.05	0.01	0.00	0.00	2.65	0.34	0.18	0.09
0.10	0.01	0.00	0.00	2.70	0.35	0.18	0.09
0.15	0.02	0.00	0.00	2.75	0.35	0.19	0.09
0.20	0.03	0.00	0.00	2.80	0.36	0.20	0.09
0.25	0.03	0.00	0.00	2.85	0.37	0.20	0.10
0.30	0.04	0.00	0.00	2.90	0.38	0.21	0.10
0.35	0.04	0.00	0.00	2.95	0.38	0.21	0.10
0.40	0.05	0.00	0.00	3.00	0.39	0.22	0.10
0.45	0.05	0.00	0.01	3.05	0.40	0.23	0.10
0.50	0.06	0.00	0.01	3.10	0.40	0.23	0.10
0.55	0.07	0.00	0.02	3.15	0.41	0.24	0.10
0.60	0.07	0.00	0.02	3.20	0.42	0.25	0.10
0.65	0.08	0.01	0.02	3.25	0.43	0.25	0.10
0.70	0.08	0.01	0.03	3.30	0.43	0.26	0.10
0.75	0.09	0.01	0.03	3.35	0.44	0.27	0.10
0.80	0.10	0.01	0.03	3.40	0.45	0.27	0.10
0.85	0.10	0.01	0.04	3.45	0.46	0.28	0.10
0.90	0.11	0.02	0.04	3.50	0.46	0.29	0.11
0.95	0.11	0.02	0.04	3.55	0.47	0.29	0.11
1.00	0.12	0.02	0.04	3.60	0.48	0.30	0.11
1.05	0.13	0.03	0.05	3.65	0.49	0.31	0.11
1.10	0.13	0.03	0.05	3.70	0.49	0.31	0.11
1.15	0.14	0.03	0.05	3.75	0.50	0.32	0.11
1.20	0.15	0.04	0.05	3.80	0.51	0.33	0.11
1.25	0.15	0.04	0.06	3.85	0.52	0.33	0.11
1.30	0.16	0.04	0.06	3.90	0.52	0.34	0.11
1.35	0.16	0.05	0.06	3.95	0.53	0.35	0.11
1.40	0.17	0.05	0.06	4.00	0.54	0.35	0.11
1.45	0.18	0.05	0.06	4.05	0.55	0.36	0.11
1.50	0.18	0.06	0.06	4.10	0.56	0.37	0.11
1.55	0.19	0.06	0.07	4.15	0.56	0.38	0.11
1.60	0.20	0.07	0.07	4.20	0.57	0.38	0.11
1.65	0.20	0.07	0.07	4.25	0.58	0.39	0.11
1.70	0.21	0.08	0.07	4.30	0.59	0.40	0.12
1.75	0.22	0.08	0.07	4.35	0.60	0.41	0.12
1.80	0.22	0.09	0.07	4.40	0.60	0.41	0.12
1.85	0.23	0.09	0.07	4.45	0.61	0.42	0.12
1.90	0.24	0.10	0.08	4.50	0.62	0.43	0.12
1.95	0.24	0.10	0.08	4.55	0.63	0.44	0.12
2.00	0.25	0.11	0.08	4.60	0.64	0.44	0.12
2.05	0.26	0.11	0.08	4.65	0.64	0.45	0.12
2.10	0.26	0.12	0.08	4.70	0.65	0.46	0.12
2.15	0.27	0.12	0.08	4.75	0.66	0.47	0.12
2.20	0.28	0.13	0.08	4.80	0.67	0.47	0.12
2.25	0.28	0.13	0.08	4.85	0.68	0.48	0.12
2.30	0.29	0.14	0.09	4.90	0.69	0.49	0.12
2.35	0.30	0.14	0.09	4.95	0.69	0.50	0.12
2.40	0.30	0.15	0.09	5.00	0.70	0.51	0.12
2.45	0.31	0.15	0.09	5.05	0.71	0.51	0.12
2.50	0.32	0.16	0.09	5.10	0.72	0.52	0.12
2.55	0.33	0.17	0.09	5.15	0.73	0.53	0.12

Hydrograph for Subcatchment 48I: PDA-48 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.54	0.13	7.80	1.27	1.05	0.20
5.25	0.74	0.55	0.13	7.85	1.28	1.07	0.20
5.30	0.75	0.55	0.13	7.90	1.30	1.08	0.20
5.35	0.76	0.56	0.13	7.95	1.31	1.09	0.20
5.40	0.77	0.57	0.13	8.00	1.32	1.11	0.20
5.45	0.78	0.58	0.13	8.05	1.34	1.12	0.21
5.50	0.79	0.59	0.13	8.10	1.35	1.13	0.21
5.55	0.80	0.59	0.13	8.15	1.36	1.15	0.21
5.60	0.80	0.60	0.13	8.20	1.38	1.16	0.21
5.65	0.81	0.61	0.13	8.25	1.39	1.17	0.21
5.70	0.82	0.62	0.13	8.30	1.40	1.19	0.21
5.75	0.83	0.63	0.13	8.35	1.42	1.20	0.22
5.80	0.84	0.64	0.13	8.40	1.43	1.21	0.22
5.85	0.85	0.64	0.13	8.45	1.45	1.23	0.22
5.90	0.86	0.65	0.13	8.50	1.46	1.24	0.22
5.95	0.87	0.66	0.13	8.55	1.48	1.26	0.22
6.00	0.87	0.67	0.13	8.60	1.49	1.27	0.22
6.05	0.88	0.68	0.14	8.65	1.51	1.29	0.23
6.10	0.89	0.69	0.14	8.70	1.52	1.30	0.23
6.15	0.90	0.70	0.14	8.75	1.54	1.32	0.23
6.20	0.91	0.71	0.14	8.80	1.55	1.33	0.23
6.25	0.92	0.71	0.14	8.85	1.57	1.35	0.23
6.30	0.93	0.72	0.14	8.90	1.58	1.36	0.24
6.35	0.94	0.73	0.15	8.95	1.60	1.38	0.24
6.40	0.95	0.74	0.15	9.00	1.61	1.39	0.24
6.45	0.96	0.75	0.15	9.05	1.63	1.41	0.25
6.50	0.97	0.76	0.15	9.10	1.64	1.42	0.25
6.55	0.98	0.77	0.15	9.15	1.66	1.44	0.26
6.60	0.99	0.78	0.15	9.20	1.68	1.46	0.26
6.65	1.00	0.79	0.16	9.25	1.70	1.47	0.27
6.70	1.01	0.80	0.16	9.30	1.72	1.49	0.28
6.75	1.02	0.81	0.16	9.35	1.73	1.51	0.29
6.80	1.03	0.82	0.16	9.40	1.75	1.53	0.29
6.85	1.04	0.83	0.16	9.45	1.77	1.55	0.30
6.90	1.05	0.84	0.17	9.50	1.79	1.57	0.30
6.95	1.07	0.85	0.17	9.55	1.81	1.59	0.31
7.00	1.08	0.87	0.17	9.60	1.83	1.61	0.32
7.05	1.09	0.88	0.17	9.65	1.85	1.63	0.32
7.10	1.10	0.89	0.17	9.70	1.88	1.65	0.33
7.15	1.11	0.90	0.17	9.75	1.90	1.67	0.34
7.20	1.12	0.91	0.18	9.80	1.92	1.69	0.34
7.25	1.13	0.92	0.18	9.85	1.94	1.72	0.35
7.30	1.15	0.93	0.18	9.90	1.97	1.74	0.36
7.35	1.16	0.94	0.18	9.95	1.99	1.76	0.36
7.40	1.17	0.96	0.18	10.00	2.01	1.79	0.37
7.45	1.18	0.97	0.18	10.05	2.04	1.81	0.38
7.50	1.19	0.98	0.19	10.10	2.06	1.84	0.38
7.55	1.21	0.99	0.19	10.15	2.09	1.86	0.39
7.60	1.22	1.00	0.19	10.20	2.11	1.89	0.39
7.65	1.23	1.02	0.19	10.25	2.14	1.91	0.40
7.70	1.24	1.03	0.19	10.30	2.17	1.94	0.41
7.75	1.26	1.04	0.20	10.35	2.19	1.97	0.41

Hydrograph for Subcatchment 48I: PDA-48 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	1.99	0.42	13.00	8.39	8.15	0.78
10.45	2.25	2.02	0.43	13.05	8.43	8.19	0.72
10.50	2.28	2.05	0.43	13.10	8.48	8.24	0.69
10.55	2.31	2.08	0.46	13.15	8.52	8.28	0.66
10.60	2.34	2.11	0.48	13.20	8.56	8.32	0.64
10.65	2.37	2.14	0.51	13.25	8.60	8.36	0.61
10.70	2.41	2.18	0.53	13.30	8.63	8.39	0.59
10.75	2.44	2.21	0.56	13.35	8.67	8.43	0.56
10.80	2.48	2.25	0.58	13.40	8.70	8.46	0.54
10.85	2.52	2.29	0.61	13.45	8.73	8.49	0.51
10.90	2.56	2.33	0.63	13.50	8.76	8.52	0.49
10.95	2.61	2.38	0.66	13.55	8.79	8.55	0.46
11.00	2.65	2.42	0.68	13.60	8.82	8.58	0.44
11.05	2.70	2.47	0.73	13.65	8.85	8.61	0.43
11.10	2.75	2.52	0.77	13.70	8.87	8.63	0.42
11.15	2.80	2.57	0.83	13.75	8.90	8.66	0.42
11.20	2.86	2.63	0.86	13.80	8.93	8.69	0.41
11.25	2.92	2.69	0.92	13.85	8.95	8.71	0.40
11.30	2.98	2.75	0.96	13.90	8.98	8.74	0.40
11.35	3.05	2.82	1.01	13.95	9.00	8.76	0.39
11.40	3.12	2.89	1.05	14.00	9.03	8.79	0.38
11.45	3.19	2.96	1.09	14.05	9.05	8.81	0.38
11.50	3.26	3.03	1.13	14.10	9.07	8.83	0.37
11.55	3.37	3.14	1.48	14.15	9.10	8.86	0.36
11.60	3.49	3.25	1.72	14.20	9.12	8.88	0.36
11.65	3.60	3.37	1.79	14.25	9.14	8.90	0.35
11.70	3.72	3.49	1.84	14.30	9.16	8.92	0.35
11.75	3.88	3.65	2.22	14.35	9.19	8.95	0.34
11.80	4.04	3.81	2.50	14.40	9.21	8.97	0.33
11.85	4.27	4.03	3.07	14.45	9.23	8.99	0.33
11.90	4.49	4.25	3.49	14.50	9.25	9.01	0.32
11.95	4.88	4.64	4.94	14.55	9.27	9.03	0.31
12.00	5.26	5.02	5.98	14.60	9.29	9.05	0.31
12.05	5.91	5.67	8.34	14.65	9.31	9.07	0.30
12.10	6.55	6.31	**9.80**	14.70	9.32	9.08	0.29
12.15	6.77	6.53	6.29	14.75	9.34	9.10	0.29
12.20	7.00	6.76	3.77	14.80	9.36	9.12	0.28
12.25	7.16	6.92	2.95	14.85	9.38	9.14	0.27
12.30	7.32	7.08	2.55	14.90	9.40	9.15	0.27
12.35	7.44	7.20	2.13	14.95	9.41	9.17	0.26
12.40	7.55	7.31	1.87	15.00	9.43	9.19	0.26
12.45	7.67	7.43	1.79	15.05	9.44	9.20	0.25
12.50	7.78	7.54	1.74	15.10	9.46	9.22	0.24
12.55	7.85	7.61	1.39	15.15	9.47	9.23	0.24
12.60	7.92	7.68	1.15	15.20	9.49	9.25	0.24
12.65	7.99	7.75	1.09	15.25	9.50	9.26	0.24
12.70	8.06	7.82	1.06	15.30	9.52	9.28	0.23
12.75	8.12	7.88	1.00	15.35	9.53	9.29	0.23
12.80	8.18	7.94	0.97	15.40	9.55	9.31	0.23
12.85	8.24	8.00	0.91	15.45	9.56	9.32	0.23
12.90	8.29	8.05	0.87	15.50	9.58	9.34	0.23
12.95	8.34	8.10	0.82	15.55	9.59	9.35	0.23

Hydrograph for Subcatchment 48I: PDA-48 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	9.37	0.23	18.20	10.20	9.96	0.14
15.65	9.62	9.38	0.22	18.25	10.21	9.97	0.14
15.70	9.64	9.39	0.22	18.30	10.22	9.98	0.14
15.75	9.65	9.41	0.22	18.35	10.23	9.99	0.14
15.80	9.66	9.42	0.22	18.40	10.24	9.99	0.14
15.85	9.68	9.44	0.22	18.45	10.24	10.00	0.14
15.90	9.69	9.45	0.22	18.50	10.25	10.01	0.14
15.95	9.70	9.46	0.21	18.55	10.26	10.02	0.14
16.00	9.72	9.48	0.21	18.60	10.27	10.03	0.13
16.05	9.73	9.49	0.21	18.65	10.28	10.04	0.13
16.10	9.74	9.50	0.21	18.70	10.29	10.05	0.13
16.15	9.76	9.52	0.21	18.75	10.30	10.05	0.13
16.20	9.77	9.53	0.20	18.80	10.30	10.06	0.13
16.25	9.78	9.54	0.20	18.85	10.31	10.07	0.13
16.30	9.80	9.55	0.20	18.90	10.32	10.08	0.13
16.35	9.81	9.57	0.20	18.95	10.33	10.09	0.13
16.40	9.82	9.58	0.20	19.00	10.34	10.10	0.13
16.45	9.83	9.59	0.20	19.05	10.35	10.11	0.13
16.50	9.85	9.60	0.19	19.10	10.35	10.11	0.13
16.55	9.86	9.62	0.19	19.15	10.36	10.12	0.13
16.60	9.87	9.63	0.19	19.20	10.37	10.13	0.13
16.65	9.88	9.64	0.19	19.25	10.38	10.14	0.13
16.70	9.89	9.65	0.19	19.30	10.39	10.15	0.13
16.75	9.91	9.66	0.18	19.35	10.40	10.15	0.13
16.80	9.92	9.68	0.18	19.40	10.40	10.16	0.13
16.85	9.93	9.69	0.18	19.45	10.41	10.17	0.13
16.90	9.94	9.70	0.18	19.50	10.42	10.18	0.13
16.95	9.95	9.71	0.18	19.55	10.43	10.19	0.13
17.00	9.96	9.72	0.18	19.60	10.44	10.20	0.13
17.05	9.97	9.73	0.18	19.65	10.44	10.20	0.13
17.10	9.99	9.74	0.17	19.70	10.45	10.21	0.13
17.15	10.00	9.76	0.17	19.75	10.46	10.22	0.13
17.20	10.01	9.77	0.17	19.80	10.47	10.23	0.13
17.25	10.02	9.78	0.17	19.85	10.48	10.24	0.12
17.30	10.03	9.79	0.17	19.90	10.48	10.24	0.12
17.35	10.04	9.80	0.16	19.95	10.49	10.25	0.12
17.40	10.05	9.81	0.16	20.00	10.50	10.26	0.12
17.45	10.06	9.82	0.16	20.05	10.51	10.27	0.12
17.50	10.07	9.83	0.16	20.10	10.52	10.27	0.12
17.55	10.08	9.84	0.16	20.15	10.52	10.28	0.12
17.60	10.09	9.85	0.16	20.20	10.53	10.29	0.12
17.65	10.10	9.86	0.15	20.25	10.54	10.30	0.12
17.70	10.11	9.87	0.15	20.30	10.55	10.31	0.12
17.75	10.12	9.88	0.15	20.35	10.55	10.31	0.12
17.80	10.13	9.89	0.15	20.40	10.56	10.32	0.12
17.85	10.14	9.90	0.15	20.45	10.57	10.33	0.12
17.90	10.15	9.91	0.15	20.50	10.58	10.34	0.12
17.95	10.16	9.92	0.14	20.55	10.58	10.34	0.12
18.00	10.17	9.92	0.14	20.60	10.59	10.35	0.12
18.05	10.17	9.93	0.14	20.65	10.60	10.36	0.12
18.10	10.18	9.94	0.14	20.70	10.61	10.37	0.12
18.15	10.19	9.95	0.14	20.75	10.61	10.37	0.12

Hydrograph for Subcatchment 48I: PDA-48 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	10.38	0.12	23.40	10.97	10.73	0.09
20.85	10.63	10.39	0.12	23.45	10.97	10.73	0.09
20.90	10.64	10.39	0.11	23.50	10.98	10.74	0.09
20.95	10.64	10.40	0.11	23.55	10.99	10.74	0.09
21.00	10.65	10.41	0.11	23.60	10.99	10.75	0.09
21.05	10.66	10.42	0.11	23.65	11.00	10.76	0.09
21.10	10.66	10.42	0.11	23.70	11.00	10.76	0.09
21.15	10.67	10.43	0.11	23.75	11.01	10.77	0.09
21.20	10.68	10.44	0.11	23.80	11.01	10.77	0.09
21.25	10.69	10.45	0.11	23.85	11.02	10.78	0.09
21.30	10.69	10.45	0.11	23.90	11.03	10.78	0.09
21.35	10.70	10.46	0.11	23.95	11.03	10.79	0.10
21.40	10.71	10.47	0.11	24.00	**11.04**	**10.80**	0.11
21.45	10.71	10.47	0.11	24.05	11.04	10.80	0.05
21.50	10.72	10.48	0.11	24.10	11.04	10.80	0.00
21.55	10.73	10.49	0.11	24.15	11.04	10.80	0.00
21.60	10.74	10.49	0.11	24.20	11.04	10.80	0.00
21.65	10.74	10.50	0.11	24.25	11.04	10.80	0.00
21.70	10.75	10.51	0.11	24.30	11.04	10.80	0.00
21.75	10.76	10.52	0.11	24.35	11.04	10.80	0.00
21.80	10.76	10.52	0.11	24.40	11.04	10.80	0.00
21.85	10.77	10.53	0.11	24.45	11.04	10.80	0.00
21.90	10.78	10.54	0.11	24.50	11.04	10.80	0.00
21.95	10.78	10.54	0.11	24.55	11.04	10.80	0.00
22.00	10.79	10.55	0.11	24.60	11.04	10.80	0.00
22.05	10.80	10.56	0.10	24.65	11.04	10.80	0.00
22.10	10.80	10.56	0.10	24.70	11.04	10.80	0.00
22.15	10.81	10.57	0.10	24.75	11.04	10.80	0.00
22.20	10.82	10.58	0.10	24.80	11.04	10.80	0.00
22.25	10.82	10.58	0.10	24.85	11.04	10.80	0.00
22.30	10.83	10.59	0.10	24.90	11.04	10.80	0.00
22.35	10.84	10.60	0.10	24.95	11.04	10.80	0.00
22.40	10.84	10.60	0.10	25.00	11.04	10.80	0.00
22.45	10.85	10.61	0.10	25.05	11.04	10.80	0.00
22.50	10.86	10.62	0.10	25.10	11.04	10.80	0.00
22.55	10.86	10.62	0.10	25.15	11.04	10.80	0.00
22.60	10.87	10.63	0.10	25.20	11.04	10.80	0.00
22.65	10.88	10.63	0.10	25.25	11.04	10.80	0.00
22.70	10.88	10.64	0.10	25.30	11.04	10.80	0.00
22.75	10.89	10.65	0.10	25.35	11.04	10.80	0.00
22.80	10.89	10.65	0.10	25.40	11.04	10.80	0.00
22.85	10.90	10.66	0.10	25.45	11.04	10.80	0.00
22.90	10.91	10.67	0.10	25.50	11.04	10.80	0.00
22.95	10.91	10.67	0.10	25.55	11.04	10.80	0.00
23.00	10.92	10.68	0.10	25.60	11.04	10.80	0.00
23.05	10.93	10.68	0.10	25.65	11.04	10.80	0.00
23.10	10.93	10.69	0.10	25.70	11.04	10.80	0.00
23.15	10.94	10.70	0.10	25.75	11.04	10.80	0.00
23.20	10.94	10.70	0.10	25.80	11.04	10.80	0.00
23.25	10.95	10.71	0.09	25.85	11.04	10.80	0.00
23.30	10.96	10.71	0.09	25.90	11.04	10.80	0.00
23.35	10.96	10.72	0.09	25.95	11.04	10.80	0.00

Hydrograph for Subcatchment 48I: PDA-48 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	10.80	0.00	28.60	11.04	10.80	0.00
26.05	11.04	10.80	0.00	28.65	11.04	10.80	0.00
26.10	11.04	10.80	0.00	28.70	11.04	10.80	0.00
26.15	11.04	10.80	0.00	28.75	11.04	10.80	0.00
26.20	11.04	10.80	0.00	28.80	11.04	10.80	0.00
26.25	11.04	10.80	0.00	28.85	11.04	10.80	0.00
26.30	11.04	10.80	0.00	28.90	11.04	10.80	0.00
26.35	11.04	10.80	0.00	28.95	11.04	10.80	0.00
26.40	11.04	10.80	0.00	29.00	11.04	10.80	0.00
26.45	11.04	10.80	0.00	29.05	11.04	10.80	0.00
26.50	11.04	10.80	0.00	29.10	11.04	10.80	0.00
26.55	11.04	10.80	0.00	29.15	11.04	10.80	0.00
26.60	11.04	10.80	0.00	29.20	11.04	10.80	0.00
26.65	11.04	10.80	0.00	29.25	11.04	10.80	0.00
26.70	11.04	10.80	0.00	29.30	11.04	10.80	0.00
26.75	11.04	10.80	0.00	29.35	11.04	10.80	0.00
26.80	11.04	10.80	0.00	29.40	11.04	10.80	0.00
26.85	11.04	10.80	0.00	29.45	11.04	10.80	0.00
26.90	11.04	10.80	0.00	29.50	11.04	10.80	0.00
26.95	11.04	10.80	0.00	29.55	11.04	10.80	0.00
27.00	11.04	10.80	0.00	29.60	11.04	10.80	0.00
27.05	11.04	10.80	0.00	29.65	11.04	10.80	0.00
27.10	11.04	10.80	0.00	29.70	11.04	10.80	0.00
27.15	11.04	10.80	0.00	29.75	11.04	10.80	0.00
27.20	11.04	10.80	0.00	29.80	11.04	10.80	0.00
27.25	11.04	10.80	0.00	29.85	11.04	10.80	0.00
27.30	11.04	10.80	0.00	29.90	11.04	10.80	0.00
27.35	11.04	10.80	0.00	29.95	11.04	10.80	0.00
27.40	11.04	10.80	0.00	30.00	11.04	10.80	0.00
27.45	11.04	10.80	0.00	30.05	11.04	10.80	0.00
27.50	11.04	10.80	0.00	30.10	11.04	10.80	0.00
27.55	11.04	10.80	0.00	30.15	11.04	10.80	0.00
27.60	11.04	10.80	0.00	30.20	11.04	10.80	0.00
27.65	11.04	10.80	0.00	30.25	11.04	10.80	0.00
27.70	11.04	10.80	0.00	30.30	11.04	10.80	0.00
27.75	11.04	10.80	0.00	30.35	11.04	10.80	0.00
27.80	11.04	10.80	0.00	30.40	11.04	10.80	0.00
27.85	11.04	10.80	0.00	30.45	11.04	10.80	0.00
27.90	11.04	10.80	0.00	30.50	11.04	10.80	0.00
27.95	11.04	10.80	0.00	30.55	11.04	10.80	0.00
28.00	11.04	10.80	0.00	30.60	11.04	10.80	0.00
28.05	11.04	10.80	0.00	30.65	11.04	10.80	0.00
28.10	11.04	10.80	0.00	30.70	11.04	10.80	0.00
28.15	11.04	10.80	0.00	30.75	11.04	10.80	0.00
28.20	11.04	10.80	0.00	30.80	11.04	10.80	0.00
28.25	11.04	10.80	0.00	30.85	11.04	10.80	0.00
28.30	11.04	10.80	0.00	30.90	11.04	10.80	0.00
28.35	11.04	10.80	0.00	30.95	11.04	10.80	0.00
28.40	11.04	10.80	0.00	31.00	11.04	10.80	0.00
28.45	11.04	10.80	0.00	31.05	11.04	10.80	0.00
28.50	11.04	10.80	0.00	31.10	11.04	10.80	0.00
28.55	11.04	10.80	0.00	31.15	11.04	10.80	0.00

Hydrograph for Subcatchment 48I: PDA-48 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	10.80	0.00	33.80	11.04	10.80	0.00
31.25	11.04	10.80	0.00	33.85	11.04	10.80	0.00
31.30	11.04	10.80	0.00	33.90	11.04	10.80	0.00
31.35	11.04	10.80	0.00	33.95	11.04	10.80	0.00
31.40	11.04	10.80	0.00	34.00	11.04	10.80	0.00
31.45	11.04	10.80	0.00	34.05	11.04	10.80	0.00
31.50	11.04	10.80	0.00	34.10	11.04	10.80	0.00
31.55	11.04	10.80	0.00	34.15	11.04	10.80	0.00
31.60	11.04	10.80	0.00	34.20	11.04	10.80	0.00
31.65	11.04	10.80	0.00	34.25	11.04	10.80	0.00
31.70	11.04	10.80	0.00	34.30	11.04	10.80	0.00
31.75	11.04	10.80	0.00	34.35	11.04	10.80	0.00
31.80	11.04	10.80	0.00	34.40	11.04	10.80	0.00
31.85	11.04	10.80	0.00	34.45	11.04	10.80	0.00
31.90	11.04	10.80	0.00	34.50	11.04	10.80	0.00
31.95	11.04	10.80	0.00	34.55	11.04	10.80	0.00
32.00	11.04	10.80	0.00	34.60	11.04	10.80	0.00
32.05	11.04	10.80	0.00	34.65	11.04	10.80	0.00
32.10	11.04	10.80	0.00	34.70	11.04	10.80	0.00
32.15	11.04	10.80	0.00	34.75	11.04	10.80	0.00
32.20	11.04	10.80	0.00	34.80	11.04	10.80	0.00
32.25	11.04	10.80	0.00	34.85	11.04	10.80	0.00
32.30	11.04	10.80	0.00	34.90	11.04	10.80	0.00
32.35	11.04	10.80	0.00	34.95	11.04	10.80	0.00
32.40	11.04	10.80	0.00	35.00	11.04	10.80	0.00
32.45	11.04	10.80	0.00	35.05	11.04	10.80	0.00
32.50	11.04	10.80	0.00	35.10	11.04	10.80	0.00
32.55	11.04	10.80	0.00	35.15	11.04	10.80	0.00
32.60	11.04	10.80	0.00	35.20	11.04	10.80	0.00
32.65	11.04	10.80	0.00	35.25	11.04	10.80	0.00
32.70	11.04	10.80	0.00	35.30	11.04	10.80	0.00
32.75	11.04	10.80	0.00	35.35	11.04	10.80	0.00
32.80	11.04	10.80	0.00	35.40	11.04	10.80	0.00
32.85	11.04	10.80	0.00	35.45	11.04	10.80	0.00
32.90	11.04	10.80	0.00	35.50	11.04	10.80	0.00
32.95	11.04	10.80	0.00	35.55	11.04	10.80	0.00
33.00	11.04	10.80	0.00	35.60	11.04	10.80	0.00
33.05	11.04	10.80	0.00	35.65	11.04	10.80	0.00
33.10	11.04	10.80	0.00	35.70	11.04	10.80	0.00
33.15	11.04	10.80	0.00	35.75	11.04	10.80	0.00
33.20	11.04	10.80	0.00	35.80	11.04	10.80	0.00
33.25	11.04	10.80	0.00	35.85	11.04	10.80	0.00
33.30	11.04	10.80	0.00	35.90	11.04	10.80	0.00
33.35	11.04	10.80	0.00	35.95	11.04	10.80	0.00
33.40	11.04	10.80	0.00	36.00	11.04	10.80	0.00
33.45	11.04	10.80	0.00	36.05	11.04	10.80	0.00
33.50	11.04	10.80	0.00	36.10	11.04	10.80	0.00
33.55	11.04	10.80	0.00	36.15	11.04	10.80	0.00
33.60	11.04	10.80	0.00	36.20	11.04	10.80	0.00
33.65	11.04	10.80	0.00	36.25	11.04	10.80	0.00
33.70	11.04	10.80	0.00	36.30	11.04	10.80	0.00
33.75	11.04	10.80	0.00	36.35	11.04	10.80	0.00

Hydrograph for Subcatchment 48I: PDA-48 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	10.80	0.00
36.45	11.04	10.80	0.00
36.50	11.04	10.80	0.00
36.55	11.04	10.80	0.00
36.60	11.04	10.80	0.00
36.65	11.04	10.80	0.00
36.70	11.04	10.80	0.00
36.75	11.04	10.80	0.00
36.80	11.04	10.80	0.00
36.85	11.04	10.80	0.00
36.90	11.04	10.80	0.00
36.95	11.04	10.80	0.00
37.00	11.04	10.80	0.00
37.05	11.04	10.80	0.00
37.10	11.04	10.80	0.00
37.15	11.04	10.80	0.00
37.20	11.04	10.80	0.00
37.25	11.04	10.80	0.00
37.30	11.04	10.80	0.00
37.35	11.04	10.80	0.00
37.40	11.04	10.80	0.00
37.45	11.04	10.80	0.00
37.50	11.04	10.80	0.00
37.55	11.04	10.80	0.00
37.60	11.04	10.80	0.00
37.65	11.04	10.80	0.00
37.70	11.04	10.80	0.00
37.75	11.04	10.80	0.00
37.80	11.04	10.80	0.00
37.85	11.04	10.80	0.00
37.90	11.04	10.80	0.00
37.95	11.04	10.80	0.00
38.00	11.04	10.80	0.00
38.05	11.04	10.80	0.00
38.10	11.04	10.80	0.00
38.15	11.04	10.80	0.00
38.20	11.04	10.80	0.00
38.25	11.04	10.80	0.00
38.30	11.04	10.80	0.00
38.35	11.04	10.80	0.00
38.40	11.04	10.80	0.00
38.45	11.04	10.80	0.00
38.50	11.04	10.80	0.00
38.55	11.04	10.80	0.00
38.60	11.04	10.80	0.00
38.65	11.04	10.80	0.00
38.70	11.04	10.80	0.00
38.75	11.04	10.80	0.00
38.80	11.04	10.80	0.00
38.85	11.04	10.80	0.00
38.90	11.04	10.80	0.00
38.95	11.04	10.80	0.00
39.00	11.04	10.80	0.00
39.05	11.04	10.80	0.00
39.10	11.04	10.80	0.00
39.15	11.04	10.80	0.00
39.20	11.04	10.80	0.00
39.25	11.04	10.80	0.00
39.30	11.04	10.80	0.00
39.35	11.04	10.80	0.00
39.40	11.04	10.80	0.00
39.45	11.04	10.80	0.00
39.50	11.04	10.80	0.00
39.55	11.04	10.80	0.00
39.60	11.04	10.80	0.00
39.65	11.04	10.80	0.00
39.70	11.04	10.80	0.00
39.75	11.04	10.80	0.00
39.80	11.04	10.80	0.00
39.85	11.04	10.80	0.00
39.90	11.04	10.80	0.00
39.95	11.04	10.80	0.00
40.00	11.04	10.80	0.00

Summary for Subcatchment 48P: PDA-48 (pervious)

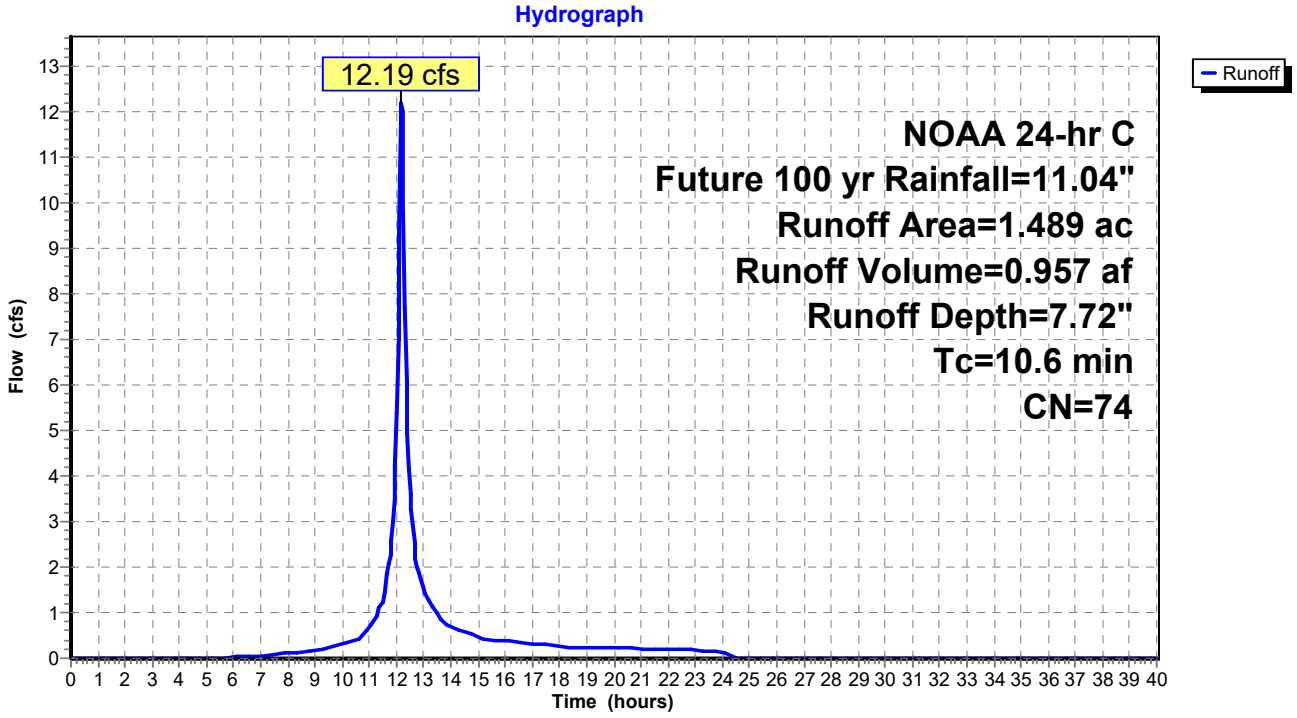
Runoff = 12.19 cfs @ 12.18 hrs, Volume= 0.957 af, Depth= 7.72"
Routed to Pond B-48 : Basin #48

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

Area (ac)	CN	Description
1.489	74	>75% Grass cover, Good, HSG C
1.489		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.6					**Direct Entry,**

Subcatchment 48P: PDA-48 (pervious)



Hydrograph for Subcatchment 48P: PDA-48 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.34	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.35	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.35	0.00	0.00
0.20	0.03	0.00	0.00	2.80	0.36	0.00	0.00
0.25	0.03	0.00	0.00	2.85	0.37	0.00	0.00
0.30	0.04	0.00	0.00	2.90	0.38	0.00	0.00
0.35	0.04	0.00	0.00	2.95	0.38	0.00	0.00
0.40	0.05	0.00	0.00	3.00	0.39	0.00	0.00
0.45	0.05	0.00	0.00	3.05	0.40	0.00	0.00
0.50	0.06	0.00	0.00	3.10	0.40	0.00	0.00
0.55	0.07	0.00	0.00	3.15	0.41	0.00	0.00
0.60	0.07	0.00	0.00	3.20	0.42	0.00	0.00
0.65	0.08	0.00	0.00	3.25	0.43	0.00	0.00
0.70	0.08	0.00	0.00	3.30	0.43	0.00	0.00
0.75	0.09	0.00	0.00	3.35	0.44	0.00	0.00
0.80	0.10	0.00	0.00	3.40	0.45	0.00	0.00
0.85	0.10	0.00	0.00	3.45	0.46	0.00	0.00
0.90	0.11	0.00	0.00	3.50	0.46	0.00	0.00
0.95	0.11	0.00	0.00	3.55	0.47	0.00	0.00
1.00	0.12	0.00	0.00	3.60	0.48	0.00	0.00
1.05	0.13	0.00	0.00	3.65	0.49	0.00	0.00
1.10	0.13	0.00	0.00	3.70	0.49	0.00	0.00
1.15	0.14	0.00	0.00	3.75	0.50	0.00	0.00
1.20	0.15	0.00	0.00	3.80	0.51	0.00	0.00
1.25	0.15	0.00	0.00	3.85	0.52	0.00	0.00
1.30	0.16	0.00	0.00	3.90	0.52	0.00	0.00
1.35	0.16	0.00	0.00	3.95	0.53	0.00	0.00
1.40	0.17	0.00	0.00	4.00	0.54	0.00	0.00
1.45	0.18	0.00	0.00	4.05	0.55	0.00	0.00
1.50	0.18	0.00	0.00	4.10	0.56	0.00	0.00
1.55	0.19	0.00	0.00	4.15	0.56	0.00	0.00
1.60	0.20	0.00	0.00	4.20	0.57	0.00	0.00
1.65	0.20	0.00	0.00	4.25	0.58	0.00	0.00
1.70	0.21	0.00	0.00	4.30	0.59	0.00	0.00
1.75	0.22	0.00	0.00	4.35	0.60	0.00	0.00
1.80	0.22	0.00	0.00	4.40	0.60	0.00	0.00
1.85	0.23	0.00	0.00	4.45	0.61	0.00	0.00
1.90	0.24	0.00	0.00	4.50	0.62	0.00	0.00
1.95	0.24	0.00	0.00	4.55	0.63	0.00	0.00
2.00	0.25	0.00	0.00	4.60	0.64	0.00	0.00
2.05	0.26	0.00	0.00	4.65	0.64	0.00	0.00
2.10	0.26	0.00	0.00	4.70	0.65	0.00	0.00
2.15	0.27	0.00	0.00	4.75	0.66	0.00	0.00
2.20	0.28	0.00	0.00	4.80	0.67	0.00	0.00
2.25	0.28	0.00	0.00	4.85	0.68	0.00	0.00
2.30	0.29	0.00	0.00	4.90	0.69	0.00	0.00
2.35	0.30	0.00	0.00	4.95	0.69	0.00	0.00
2.40	0.30	0.00	0.00	5.00	0.70	0.00	0.00
2.45	0.31	0.00	0.00	5.05	0.71	0.00	0.00
2.50	0.32	0.00	0.00	5.10	0.72	0.00	0.00
2.55	0.33	0.00	0.00	5.15	0.73	0.00	0.00

Hydrograph for Subcatchment 48P: PDA-48 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.00	0.00	7.80	1.27	0.08	0.09
5.25	0.74	0.00	0.00	7.85	1.28	0.08	0.09
5.30	0.75	0.00	0.00	7.90	1.30	0.09	0.10
5.35	0.76	0.00	0.00	7.95	1.31	0.09	0.10
5.40	0.77	0.00	0.01	8.00	1.32	0.09	0.10
5.45	0.78	0.00	0.01	8.05	1.34	0.10	0.11
5.50	0.79	0.00	0.01	8.10	1.35	0.10	0.11
5.55	0.80	0.00	0.01	8.15	1.36	0.10	0.11
5.60	0.80	0.00	0.01	8.20	1.38	0.11	0.11
5.65	0.81	0.00	0.01	8.25	1.39	0.11	0.12
5.70	0.82	0.00	0.01	8.30	1.40	0.12	0.12
5.75	0.83	0.00	0.01	8.35	1.42	0.12	0.12
5.80	0.84	0.01	0.02	8.40	1.43	0.13	0.12
5.85	0.85	0.01	0.02	8.45	1.45	0.13	0.13
5.90	0.86	0.01	0.02	8.50	1.46	0.13	0.13
5.95	0.87	0.01	0.02	8.55	1.48	0.14	0.13
6.00	0.87	0.01	0.02	8.60	1.49	0.14	0.14
6.05	0.88	0.01	0.02	8.65	1.51	0.15	0.14
6.10	0.89	0.01	0.02	8.70	1.52	0.15	0.14
6.15	0.90	0.01	0.02	8.75	1.54	0.16	0.15
6.20	0.91	0.01	0.03	8.80	1.55	0.16	0.15
6.25	0.92	0.01	0.03	8.85	1.57	0.17	0.15
6.30	0.93	0.01	0.03	8.90	1.58	0.18	0.16
6.35	0.94	0.02	0.03	8.95	1.60	0.18	0.16
6.40	0.95	0.02	0.03	9.00	1.61	0.19	0.16
6.45	0.96	0.02	0.03	9.05	1.63	0.19	0.17
6.50	0.97	0.02	0.04	9.10	1.64	0.20	0.17
6.55	0.98	0.02	0.04	9.15	1.66	0.21	0.18
6.60	0.99	0.02	0.04	9.20	1.68	0.21	0.18
6.65	1.00	0.02	0.04	9.25	1.70	0.22	0.19
6.70	1.01	0.02	0.04	9.30	1.72	0.23	0.20
6.75	1.02	0.03	0.04	9.35	1.73	0.23	0.20
6.80	1.03	0.03	0.05	9.40	1.75	0.24	0.21
6.85	1.04	0.03	0.05	9.45	1.77	0.25	0.22
6.90	1.05	0.03	0.05	9.50	1.79	0.26	0.22
6.95	1.07	0.03	0.05	9.55	1.81	0.27	0.23
7.00	1.08	0.04	0.05	9.60	1.83	0.28	0.24
7.05	1.09	0.04	0.06	9.65	1.85	0.28	0.25
7.10	1.10	0.04	0.06	9.70	1.88	0.29	0.26
7.15	1.11	0.04	0.06	9.75	1.90	0.30	0.27
7.20	1.12	0.04	0.06	9.80	1.92	0.31	0.27
7.25	1.13	0.05	0.07	9.85	1.94	0.32	0.28
7.30	1.15	0.05	0.07	9.90	1.97	0.33	0.29
7.35	1.16	0.05	0.07	9.95	1.99	0.34	0.30
7.40	1.17	0.05	0.07	10.00	2.01	0.36	0.31
7.45	1.18	0.06	0.07	10.05	2.04	0.37	0.32
7.50	1.19	0.06	0.08	10.10	2.06	0.38	0.33
7.55	1.21	0.06	0.08	10.15	2.09	0.39	0.34
7.60	1.22	0.07	0.08	10.20	2.11	0.40	0.35
7.65	1.23	0.07	0.08	10.25	2.14	0.42	0.36
7.70	1.24	0.07	0.09	10.30	2.17	0.43	0.37
7.75	1.26	0.08	0.09	10.35	2.19	0.44	0.38

Hydrograph for Subcatchment 48P: PDA-48 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	0.46	0.39	13.00	8.39	5.28	1.52
10.45	2.25	0.47	0.40	13.05	8.43	5.32	1.45
10.50	2.28	0.49	0.41	13.10	8.48	5.36	1.37
10.55	2.31	0.50	0.42	13.15	8.52	5.39	1.29
10.60	2.34	0.52	0.44	13.20	8.56	5.43	1.22
10.65	2.37	0.54	0.46	13.25	8.60	5.46	1.17
10.70	2.41	0.56	0.49	13.30	8.63	5.50	1.12
10.75	2.44	0.58	0.52	13.35	8.67	5.53	1.07
10.80	2.48	0.60	0.55	13.40	8.70	5.56	1.03
10.85	2.52	0.62	0.58	13.45	8.73	5.59	0.99
10.90	2.56	0.64	0.61	13.50	8.76	5.61	0.94
10.95	2.61	0.67	0.65	13.55	8.79	5.64	0.90
11.00	2.65	0.69	0.68	13.60	8.82	5.67	0.86
11.05	2.70	0.72	0.72	13.65	8.85	5.69	0.82
11.10	2.75	0.75	0.76	13.70	8.87	5.71	0.79
11.15	2.80	0.79	0.81	13.75	8.90	5.74	0.76
11.20	2.86	0.82	0.87	13.80	8.93	5.76	0.75
11.25	2.92	0.86	0.94	13.85	8.95	5.79	0.73
11.30	2.98	0.90	1.00	13.90	8.98	5.81	0.72
11.35	3.05	0.94	1.07	13.95	9.00	5.83	0.71
11.40	3.12	0.98	1.14	14.00	9.03	5.85	0.70
11.45	3.19	1.03	1.21	14.05	9.05	5.88	0.69
11.50	3.26	1.08	1.27	14.10	9.07	5.90	0.68
11.55	3.37	1.15	1.36	14.15	9.10	5.92	0.66
11.60	3.49	1.23	1.55	14.20	9.12	5.94	0.65
11.65	3.60	1.31	1.83	14.25	9.14	5.96	0.64
11.70	3.72	1.39	2.08	14.30	9.16	5.98	0.63
11.75	3.88	1.51	2.28	14.35	9.19	6.00	0.62
11.80	4.04	1.63	2.57	14.40	9.21	6.02	0.61
11.85	4.27	1.79	2.97	14.45	9.23	6.04	0.60
11.90	4.49	1.96	3.52	14.50	9.25	6.06	0.59
11.95	4.88	2.27	4.24	14.55	9.27	6.07	0.58
12.00	5.26	2.57	5.40	14.60	9.29	6.09	0.56
12.05	5.91	3.11	7.06	14.65	9.31	6.11	0.55
12.10	6.55	3.65	9.38	14.70	9.32	6.13	0.54
12.15	6.77	3.85	11.76	14.75	9.34	6.14	0.53
12.20	7.00	4.04	**12.01**	14.80	9.36	6.16	0.52
12.25	7.16	4.18	9.97	14.85	9.38	6.17	0.51
12.30	7.32	4.32	7.68	14.90	9.40	6.19	0.50
12.35	7.44	4.43	6.09	14.95	9.41	6.21	0.49
12.40	7.55	4.53	4.96	15.00	9.43	6.22	0.47
12.45	7.67	4.63	4.15	15.05	9.44	6.23	0.46
12.50	7.78	4.73	3.61	15.10	9.46	6.25	0.45
12.55	7.85	4.79	3.27	15.15	9.47	6.26	0.44
12.60	7.92	4.86	2.92	15.20	9.49	6.28	0.43
12.65	7.99	4.92	2.52	15.25	9.50	6.29	0.43
12.70	8.06	4.98	2.21	15.30	9.52	6.30	0.42
12.75	8.12	5.03	2.01	15.35	9.53	6.32	0.42
12.80	8.18	5.09	1.88	15.40	9.55	6.33	0.42
12.85	8.24	5.14	1.78	15.45	9.56	6.34	0.41
12.90	8.29	5.19	1.69	15.50	9.58	6.36	0.41
12.95	8.34	5.23	1.61	15.55	9.59	6.37	0.41

Hydrograph for Subcatchment 48P: PDA-48 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	6.38	0.40	18.20	10.20	6.93	0.25
15.65	9.62	6.40	0.40	18.25	10.21	6.94	0.25
15.70	9.64	6.41	0.40	18.30	10.22	6.95	0.25
15.75	9.65	6.42	0.39	18.35	10.23	6.96	0.25
15.80	9.66	6.44	0.39	18.40	10.24	6.97	0.24
15.85	9.68	6.45	0.39	18.45	10.24	6.97	0.24
15.90	9.69	6.46	0.39	18.50	10.25	6.98	0.24
15.95	9.70	6.47	0.38	18.55	10.26	6.99	0.24
16.00	9.72	6.49	0.38	18.60	10.27	7.00	0.24
16.05	9.73	6.50	0.38	18.65	10.28	7.01	0.24
16.10	9.74	6.51	0.37	18.70	10.29	7.01	0.24
16.15	9.76	6.52	0.37	18.75	10.30	7.02	0.24
16.20	9.77	6.54	0.37	18.80	10.30	7.03	0.24
16.25	9.78	6.55	0.37	18.85	10.31	7.04	0.24
16.30	9.80	6.56	0.36	18.90	10.32	7.04	0.24
16.35	9.81	6.57	0.36	18.95	10.33	7.05	0.24
16.40	9.82	6.58	0.36	19.00	10.34	7.06	0.24
16.45	9.83	6.59	0.35	19.05	10.35	7.07	0.23
16.50	9.85	6.60	0.35	19.10	10.35	7.08	0.23
16.55	9.86	6.62	0.35	19.15	10.36	7.08	0.23
16.60	9.87	6.63	0.34	19.20	10.37	7.09	0.23
16.65	9.88	6.64	0.34	19.25	10.38	7.10	0.23
16.70	9.89	6.65	0.34	19.30	10.39	7.11	0.23
16.75	9.91	6.66	0.34	19.35	10.40	7.11	0.23
16.80	9.92	6.67	0.33	19.40	10.40	7.12	0.23
16.85	9.93	6.68	0.33	19.45	10.41	7.13	0.23
16.90	9.94	6.69	0.33	19.50	10.42	7.14	0.23
16.95	9.95	6.70	0.32	19.55	10.43	7.14	0.23
17.00	9.96	6.71	0.32	19.60	10.44	7.15	0.23
17.05	9.97	6.72	0.32	19.65	10.44	7.16	0.23
17.10	9.99	6.73	0.31	19.70	10.45	7.17	0.23
17.15	10.00	6.74	0.31	19.75	10.46	7.17	0.22
17.20	10.01	6.75	0.31	19.80	10.47	7.18	0.22
17.25	10.02	6.76	0.31	19.85	10.48	7.19	0.22
17.30	10.03	6.77	0.30	19.90	10.48	7.20	0.22
17.35	10.04	6.78	0.30	19.95	10.49	7.20	0.22
17.40	10.05	6.79	0.30	20.00	10.50	7.21	0.22
17.45	10.06	6.80	0.29	20.05	10.51	7.22	0.22
17.50	10.07	6.81	0.29	20.10	10.52	7.23	0.22
17.55	10.08	6.82	0.29	20.15	10.52	7.23	0.22
17.60	10.09	6.83	0.28	20.20	10.53	7.24	0.22
17.65	10.10	6.84	0.28	20.25	10.54	7.25	0.22
17.70	10.11	6.85	0.28	20.30	10.55	7.25	0.22
17.75	10.12	6.86	0.28	20.35	10.55	7.26	0.22
17.80	10.13	6.87	0.27	20.40	10.56	7.27	0.21
17.85	10.14	6.87	0.27	20.45	10.57	7.28	0.21
17.90	10.15	6.88	0.27	20.50	10.58	7.28	0.21
17.95	10.16	6.89	0.26	20.55	10.58	7.29	0.21
18.00	10.17	6.90	0.26	20.60	10.59	7.30	0.21
18.05	10.17	6.91	0.26	20.65	10.60	7.30	0.21
18.10	10.18	6.92	0.25	20.70	10.61	7.31	0.21
18.15	10.19	6.92	0.25	20.75	10.61	7.32	0.21

Hydrograph for Subcatchment 48P: PDA-48 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	7.32	0.21	23.40	10.97	7.65	0.17
20.85	10.63	7.33	0.21	23.45	10.97	7.65	0.17
20.90	10.64	7.34	0.21	23.50	10.98	7.66	0.17
20.95	10.64	7.34	0.21	23.55	10.99	7.66	0.17
21.00	10.65	7.35	0.21	23.60	10.99	7.67	0.17
21.05	10.66	7.36	0.20	23.65	11.00	7.67	0.17
21.10	10.66	7.36	0.20	23.70	11.00	7.68	0.16
21.15	10.67	7.37	0.20	23.75	11.01	7.69	0.16
21.20	10.68	7.38	0.20	23.80	11.01	7.69	0.16
21.25	10.69	7.38	0.20	23.85	11.02	7.70	0.16
21.30	10.69	7.39	0.20	23.90	11.03	7.70	0.16
21.35	10.70	7.40	0.20	23.95	11.03	7.71	0.16
21.40	10.71	7.40	0.20	24.00	**11.04**	**7.72**	0.17
21.45	10.71	7.41	0.20	24.05	11.04	7.72	0.17
21.50	10.72	7.42	0.20	24.10	11.04	7.72	0.15
21.55	10.73	7.42	0.20	24.15	11.04	7.72	0.09
21.60	10.74	7.43	0.20	24.20	11.04	7.72	0.05
21.65	10.74	7.44	0.20	24.25	11.04	7.72	0.02
21.70	10.75	7.44	0.20	24.30	11.04	7.72	0.01
21.75	10.76	7.45	0.19	24.35	11.04	7.72	0.01
21.80	10.76	7.46	0.19	24.40	11.04	7.72	0.00
21.85	10.77	7.46	0.19	24.45	11.04	7.72	0.00
21.90	10.78	7.47	0.19	24.50	11.04	7.72	0.00
21.95	10.78	7.48	0.19	24.55	11.04	7.72	0.00
22.00	10.79	7.48	0.19	24.60	11.04	7.72	0.00
22.05	10.80	7.49	0.19	24.65	11.04	7.72	0.00
22.10	10.80	7.49	0.19	24.70	11.04	7.72	0.00
22.15	10.81	7.50	0.19	24.75	11.04	7.72	0.00
22.20	10.82	7.51	0.19	24.80	11.04	7.72	0.00
22.25	10.82	7.51	0.19	24.85	11.04	7.72	0.00
22.30	10.83	7.52	0.19	24.90	11.04	7.72	0.00
22.35	10.84	7.53	0.19	24.95	11.04	7.72	0.00
22.40	10.84	7.53	0.18	25.00	11.04	7.72	0.00
22.45	10.85	7.54	0.18	25.05	11.04	7.72	0.00
22.50	10.86	7.54	0.18	25.10	11.04	7.72	0.00
22.55	10.86	7.55	0.18	25.15	11.04	7.72	0.00
22.60	10.87	7.56	0.18	25.20	11.04	7.72	0.00
22.65	10.88	7.56	0.18	25.25	11.04	7.72	0.00
22.70	10.88	7.57	0.18	25.30	11.04	7.72	0.00
22.75	10.89	7.57	0.18	25.35	11.04	7.72	0.00
22.80	10.89	7.58	0.18	25.40	11.04	7.72	0.00
22.85	10.90	7.58	0.18	25.45	11.04	7.72	0.00
22.90	10.91	7.59	0.18	25.50	11.04	7.72	0.00
22.95	10.91	7.60	0.18	25.55	11.04	7.72	0.00
23.00	10.92	7.60	0.18	25.60	11.04	7.72	0.00
23.05	10.93	7.61	0.18	25.65	11.04	7.72	0.00
23.10	10.93	7.61	0.17	25.70	11.04	7.72	0.00
23.15	10.94	7.62	0.17	25.75	11.04	7.72	0.00
23.20	10.94	7.63	0.17	25.80	11.04	7.72	0.00
23.25	10.95	7.63	0.17	25.85	11.04	7.72	0.00
23.30	10.96	7.64	0.17	25.90	11.04	7.72	0.00
23.35	10.96	7.64	0.17	25.95	11.04	7.72	0.00

Hydrograph for Subcatchment 48P: PDA-48 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	7.72	0.00	28.60	11.04	7.72	0.00
26.05	11.04	7.72	0.00	28.65	11.04	7.72	0.00
26.10	11.04	7.72	0.00	28.70	11.04	7.72	0.00
26.15	11.04	7.72	0.00	28.75	11.04	7.72	0.00
26.20	11.04	7.72	0.00	28.80	11.04	7.72	0.00
26.25	11.04	7.72	0.00	28.85	11.04	7.72	0.00
26.30	11.04	7.72	0.00	28.90	11.04	7.72	0.00
26.35	11.04	7.72	0.00	28.95	11.04	7.72	0.00
26.40	11.04	7.72	0.00	29.00	11.04	7.72	0.00
26.45	11.04	7.72	0.00	29.05	11.04	7.72	0.00
26.50	11.04	7.72	0.00	29.10	11.04	7.72	0.00
26.55	11.04	7.72	0.00	29.15	11.04	7.72	0.00
26.60	11.04	7.72	0.00	29.20	11.04	7.72	0.00
26.65	11.04	7.72	0.00	29.25	11.04	7.72	0.00
26.70	11.04	7.72	0.00	29.30	11.04	7.72	0.00
26.75	11.04	7.72	0.00	29.35	11.04	7.72	0.00
26.80	11.04	7.72	0.00	29.40	11.04	7.72	0.00
26.85	11.04	7.72	0.00	29.45	11.04	7.72	0.00
26.90	11.04	7.72	0.00	29.50	11.04	7.72	0.00
26.95	11.04	7.72	0.00	29.55	11.04	7.72	0.00
27.00	11.04	7.72	0.00	29.60	11.04	7.72	0.00
27.05	11.04	7.72	0.00	29.65	11.04	7.72	0.00
27.10	11.04	7.72	0.00	29.70	11.04	7.72	0.00
27.15	11.04	7.72	0.00	29.75	11.04	7.72	0.00
27.20	11.04	7.72	0.00	29.80	11.04	7.72	0.00
27.25	11.04	7.72	0.00	29.85	11.04	7.72	0.00
27.30	11.04	7.72	0.00	29.90	11.04	7.72	0.00
27.35	11.04	7.72	0.00	29.95	11.04	7.72	0.00
27.40	11.04	7.72	0.00	30.00	11.04	7.72	0.00
27.45	11.04	7.72	0.00	30.05	11.04	7.72	0.00
27.50	11.04	7.72	0.00	30.10	11.04	7.72	0.00
27.55	11.04	7.72	0.00	30.15	11.04	7.72	0.00
27.60	11.04	7.72	0.00	30.20	11.04	7.72	0.00
27.65	11.04	7.72	0.00	30.25	11.04	7.72	0.00
27.70	11.04	7.72	0.00	30.30	11.04	7.72	0.00
27.75	11.04	7.72	0.00	30.35	11.04	7.72	0.00
27.80	11.04	7.72	0.00	30.40	11.04	7.72	0.00
27.85	11.04	7.72	0.00	30.45	11.04	7.72	0.00
27.90	11.04	7.72	0.00	30.50	11.04	7.72	0.00
27.95	11.04	7.72	0.00	30.55	11.04	7.72	0.00
28.00	11.04	7.72	0.00	30.60	11.04	7.72	0.00
28.05	11.04	7.72	0.00	30.65	11.04	7.72	0.00
28.10	11.04	7.72	0.00	30.70	11.04	7.72	0.00
28.15	11.04	7.72	0.00	30.75	11.04	7.72	0.00
28.20	11.04	7.72	0.00	30.80	11.04	7.72	0.00
28.25	11.04	7.72	0.00	30.85	11.04	7.72	0.00
28.30	11.04	7.72	0.00	30.90	11.04	7.72	0.00
28.35	11.04	7.72	0.00	30.95	11.04	7.72	0.00
28.40	11.04	7.72	0.00	31.00	11.04	7.72	0.00
28.45	11.04	7.72	0.00	31.05	11.04	7.72	0.00
28.50	11.04	7.72	0.00	31.10	11.04	7.72	0.00
28.55	11.04	7.72	0.00	31.15	11.04	7.72	0.00

Hydrograph for Subcatchment 48P: PDA-48 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	7.72	0.00	33.80	11.04	7.72	0.00
31.25	11.04	7.72	0.00	33.85	11.04	7.72	0.00
31.30	11.04	7.72	0.00	33.90	11.04	7.72	0.00
31.35	11.04	7.72	0.00	33.95	11.04	7.72	0.00
31.40	11.04	7.72	0.00	34.00	11.04	7.72	0.00
31.45	11.04	7.72	0.00	34.05	11.04	7.72	0.00
31.50	11.04	7.72	0.00	34.10	11.04	7.72	0.00
31.55	11.04	7.72	0.00	34.15	11.04	7.72	0.00
31.60	11.04	7.72	0.00	34.20	11.04	7.72	0.00
31.65	11.04	7.72	0.00	34.25	11.04	7.72	0.00
31.70	11.04	7.72	0.00	34.30	11.04	7.72	0.00
31.75	11.04	7.72	0.00	34.35	11.04	7.72	0.00
31.80	11.04	7.72	0.00	34.40	11.04	7.72	0.00
31.85	11.04	7.72	0.00	34.45	11.04	7.72	0.00
31.90	11.04	7.72	0.00	34.50	11.04	7.72	0.00
31.95	11.04	7.72	0.00	34.55	11.04	7.72	0.00
32.00	11.04	7.72	0.00	34.60	11.04	7.72	0.00
32.05	11.04	7.72	0.00	34.65	11.04	7.72	0.00
32.10	11.04	7.72	0.00	34.70	11.04	7.72	0.00
32.15	11.04	7.72	0.00	34.75	11.04	7.72	0.00
32.20	11.04	7.72	0.00	34.80	11.04	7.72	0.00
32.25	11.04	7.72	0.00	34.85	11.04	7.72	0.00
32.30	11.04	7.72	0.00	34.90	11.04	7.72	0.00
32.35	11.04	7.72	0.00	34.95	11.04	7.72	0.00
32.40	11.04	7.72	0.00	35.00	11.04	7.72	0.00
32.45	11.04	7.72	0.00	35.05	11.04	7.72	0.00
32.50	11.04	7.72	0.00	35.10	11.04	7.72	0.00
32.55	11.04	7.72	0.00	35.15	11.04	7.72	0.00
32.60	11.04	7.72	0.00	35.20	11.04	7.72	0.00
32.65	11.04	7.72	0.00	35.25	11.04	7.72	0.00
32.70	11.04	7.72	0.00	35.30	11.04	7.72	0.00
32.75	11.04	7.72	0.00	35.35	11.04	7.72	0.00
32.80	11.04	7.72	0.00	35.40	11.04	7.72	0.00
32.85	11.04	7.72	0.00	35.45	11.04	7.72	0.00
32.90	11.04	7.72	0.00	35.50	11.04	7.72	0.00
32.95	11.04	7.72	0.00	35.55	11.04	7.72	0.00
33.00	11.04	7.72	0.00	35.60	11.04	7.72	0.00
33.05	11.04	7.72	0.00	35.65	11.04	7.72	0.00
33.10	11.04	7.72	0.00	35.70	11.04	7.72	0.00
33.15	11.04	7.72	0.00	35.75	11.04	7.72	0.00
33.20	11.04	7.72	0.00	35.80	11.04	7.72	0.00
33.25	11.04	7.72	0.00	35.85	11.04	7.72	0.00
33.30	11.04	7.72	0.00	35.90	11.04	7.72	0.00
33.35	11.04	7.72	0.00	35.95	11.04	7.72	0.00
33.40	11.04	7.72	0.00	36.00	11.04	7.72	0.00
33.45	11.04	7.72	0.00	36.05	11.04	7.72	0.00
33.50	11.04	7.72	0.00	36.10	11.04	7.72	0.00
33.55	11.04	7.72	0.00	36.15	11.04	7.72	0.00
33.60	11.04	7.72	0.00	36.20	11.04	7.72	0.00
33.65	11.04	7.72	0.00	36.25	11.04	7.72	0.00
33.70	11.04	7.72	0.00	36.30	11.04	7.72	0.00
33.75	11.04	7.72	0.00	36.35	11.04	7.72	0.00

Hydrograph for Subcatchment 48P: PDA-48 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	7.72	0.00
36.45	11.04	7.72	0.00
36.50	11.04	7.72	0.00
36.55	11.04	7.72	0.00
36.60	11.04	7.72	0.00
36.65	11.04	7.72	0.00
36.70	11.04	7.72	0.00
36.75	11.04	7.72	0.00
36.80	11.04	7.72	0.00
36.85	11.04	7.72	0.00
36.90	11.04	7.72	0.00
36.95	11.04	7.72	0.00
37.00	11.04	7.72	0.00
37.05	11.04	7.72	0.00
37.10	11.04	7.72	0.00
37.15	11.04	7.72	0.00
37.20	11.04	7.72	0.00
37.25	11.04	7.72	0.00
37.30	11.04	7.72	0.00
37.35	11.04	7.72	0.00
37.40	11.04	7.72	0.00
37.45	11.04	7.72	0.00
37.50	11.04	7.72	0.00
37.55	11.04	7.72	0.00
37.60	11.04	7.72	0.00
37.65	11.04	7.72	0.00
37.70	11.04	7.72	0.00
37.75	11.04	7.72	0.00
37.80	11.04	7.72	0.00
37.85	11.04	7.72	0.00
37.90	11.04	7.72	0.00
37.95	11.04	7.72	0.00
38.00	11.04	7.72	0.00
38.05	11.04	7.72	0.00
38.10	11.04	7.72	0.00
38.15	11.04	7.72	0.00
38.20	11.04	7.72	0.00
38.25	11.04	7.72	0.00
38.30	11.04	7.72	0.00
38.35	11.04	7.72	0.00
38.40	11.04	7.72	0.00
38.45	11.04	7.72	0.00
38.50	11.04	7.72	0.00
38.55	11.04	7.72	0.00
38.60	11.04	7.72	0.00
38.65	11.04	7.72	0.00
38.70	11.04	7.72	0.00
38.75	11.04	7.72	0.00
38.80	11.04	7.72	0.00
38.85	11.04	7.72	0.00
38.90	11.04	7.72	0.00
38.95	11.04	7.72	0.00
39.00	11.04	7.72	0.00
39.05	11.04	7.72	0.00
39.10	11.04	7.72	0.00
39.15	11.04	7.72	0.00
39.20	11.04	7.72	0.00
39.25	11.04	7.72	0.00
39.30	11.04	7.72	0.00
39.35	11.04	7.72	0.00
39.40	11.04	7.72	0.00
39.45	11.04	7.72	0.00
39.50	11.04	7.72	0.00
39.55	11.04	7.72	0.00
39.60	11.04	7.72	0.00
39.65	11.04	7.72	0.00
39.70	11.04	7.72	0.00
39.75	11.04	7.72	0.00
39.80	11.04	7.72	0.00
39.85	11.04	7.72	0.00
39.90	11.04	7.72	0.00
39.95	11.04	7.72	0.00
40.00	11.04	7.72	0.00

Summary for Subcatchment 49I: PDA-49 (impervious)

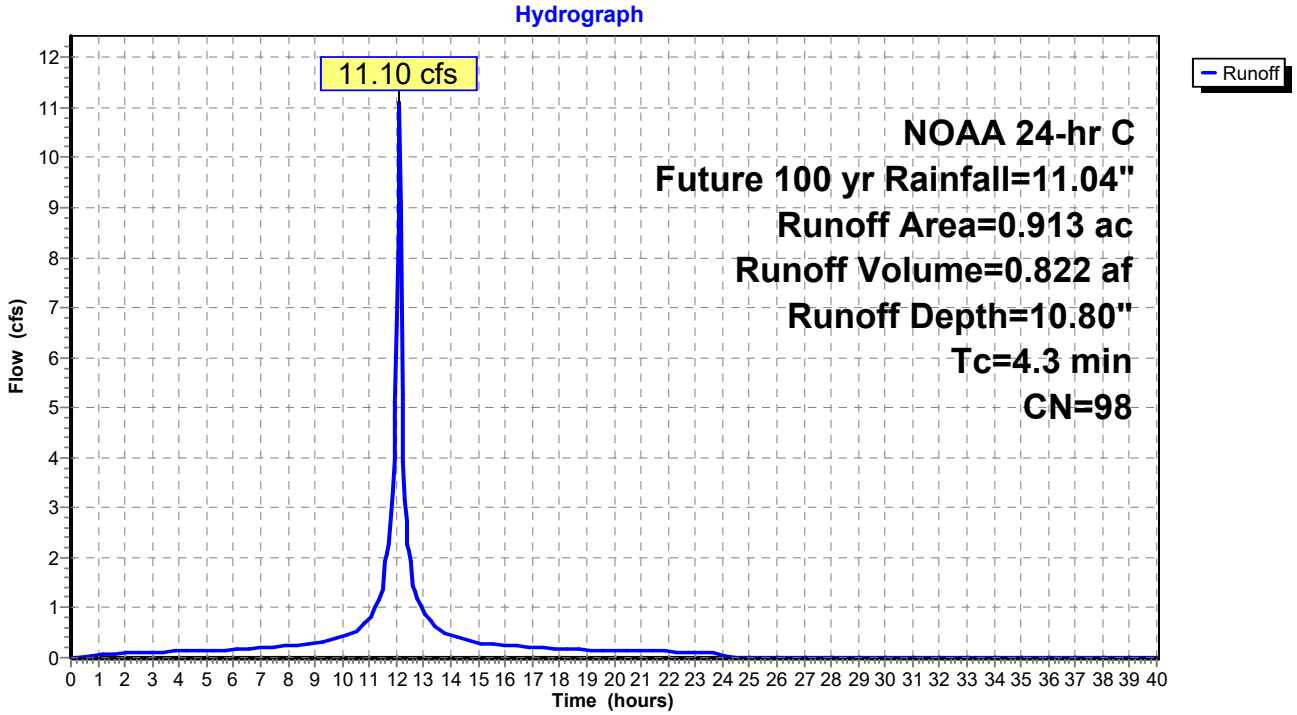
Runoff = 11.10 cfs @ 12.10 hrs, Volume= 0.822 af, Depth=10.80"
Routed to Pond B-49 : Basin #49

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

	Area (ac)	CN	Description
*	0.434	98	Pavement, HSG C
*	0.418	98	Roof, HSG C
*	0.061	98	Concrete, HSG C
	0.913	98	Weighted Average
	0.913		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
4.3					**Direct Entry,**

Subcatchment 49I: PDA-49 (impervious)



Hydrograph for Subcatchment 49I: PDA-49 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.17	0.11
0.05	0.01	0.00	0.00	2.65	0.34	0.18	0.11
0.10	0.01	0.00	0.00	2.70	0.35	0.18	0.11
0.15	0.02	0.00	0.00	2.75	0.35	0.19	0.11
0.20	0.03	0.00	0.00	2.80	0.36	0.20	0.11
0.25	0.03	0.00	0.00	2.85	0.37	0.20	0.11
0.30	0.04	0.00	0.00	2.90	0.38	0.21	0.11
0.35	0.04	0.00	0.00	2.95	0.38	0.21	0.11
0.40	0.05	0.00	0.00	3.00	0.39	0.22	0.11
0.45	0.05	0.00	0.01	3.05	0.40	0.23	0.12
0.50	0.06	0.00	0.01	3.10	0.40	0.23	0.12
0.55	0.07	0.00	0.02	3.15	0.41	0.24	0.12
0.60	0.07	0.00	0.02	3.20	0.42	0.25	0.12
0.65	0.08	0.01	0.03	3.25	0.43	0.25	0.12
0.70	0.08	0.01	0.03	3.30	0.43	0.26	0.12
0.75	0.09	0.01	0.03	3.35	0.44	0.27	0.12
0.80	0.10	0.01	0.04	3.40	0.45	0.27	0.12
0.85	0.10	0.01	0.04	3.45	0.46	0.28	0.12
0.90	0.11	0.02	0.04	3.50	0.46	0.29	0.12
0.95	0.11	0.02	0.05	3.55	0.47	0.29	0.12
1.00	0.12	0.02	0.05	3.60	0.48	0.30	0.12
1.05	0.13	0.03	0.05	3.65	0.49	0.31	0.13
1.10	0.13	0.03	0.06	3.70	0.49	0.31	0.13
1.15	0.14	0.03	0.06	3.75	0.50	0.32	0.13
1.20	0.15	0.04	0.06	3.80	0.51	0.33	0.13
1.25	0.15	0.04	0.06	3.85	0.52	0.33	0.13
1.30	0.16	0.04	0.07	3.90	0.52	0.34	0.13
1.35	0.16	0.05	0.07	3.95	0.53	0.35	0.13
1.40	0.17	0.05	0.07	4.00	0.54	0.35	0.13
1.45	0.18	0.05	0.07	4.05	0.55	0.36	0.13
1.50	0.18	0.06	0.08	4.10	0.56	0.37	0.13
1.55	0.19	0.06	0.08	4.15	0.56	0.38	0.13
1.60	0.20	0.07	0.08	4.20	0.57	0.38	0.13
1.65	0.20	0.07	0.08	4.25	0.58	0.39	0.13
1.70	0.21	0.08	0.08	4.30	0.59	0.40	0.14
1.75	0.22	0.08	0.08	4.35	0.60	0.41	0.14
1.80	0.22	0.09	0.09	4.40	0.60	0.41	0.14
1.85	0.23	0.09	0.09	4.45	0.61	0.42	0.14
1.90	0.24	0.10	0.09	4.50	0.62	0.43	0.14
1.95	0.24	0.10	0.09	4.55	0.63	0.44	0.14
2.00	0.25	0.11	0.09	4.60	0.64	0.44	0.14
2.05	0.26	0.11	0.09	4.65	0.64	0.45	0.14
2.10	0.26	0.12	0.09	4.70	0.65	0.46	0.14
2.15	0.27	0.12	0.10	4.75	0.66	0.47	0.14
2.20	0.28	0.13	0.10	4.80	0.67	0.47	0.14
2.25	0.28	0.13	0.10	4.85	0.68	0.48	0.14
2.30	0.29	0.14	0.10	4.90	0.69	0.49	0.14
2.35	0.30	0.14	0.10	4.95	0.69	0.50	0.14
2.40	0.30	0.15	0.10	5.00	0.70	0.51	0.14
2.45	0.31	0.15	0.10	5.05	0.71	0.51	0.15
2.50	0.32	0.16	0.10	5.10	0.72	0.52	0.15
2.55	0.33	0.17	0.11	5.15	0.73	0.53	0.15

Hydrograph for Subcatchment 49I: PDA-49 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.54	0.15	7.80	1.27	1.05	0.23
5.25	0.74	0.55	0.15	7.85	1.28	1.07	0.23
5.30	0.75	0.55	0.15	7.90	1.30	1.08	0.24
5.35	0.76	0.56	0.15	7.95	1.31	1.09	0.24
5.40	0.77	0.57	0.15	8.00	1.32	1.11	0.24
5.45	0.78	0.58	0.15	8.05	1.34	1.12	0.24
5.50	0.79	0.59	0.15	8.10	1.35	1.13	0.24
5.55	0.80	0.59	0.15	8.15	1.36	1.15	0.25
5.60	0.80	0.60	0.15	8.20	1.38	1.16	0.25
5.65	0.81	0.61	0.15	8.25	1.39	1.17	0.25
5.70	0.82	0.62	0.15	8.30	1.40	1.19	0.25
5.75	0.83	0.63	0.15	8.35	1.42	1.20	0.25
5.80	0.84	0.64	0.15	8.40	1.43	1.21	0.26
5.85	0.85	0.64	0.16	8.45	1.45	1.23	0.26
5.90	0.86	0.65	0.16	8.50	1.46	1.24	0.26
5.95	0.87	0.66	0.16	8.55	1.48	1.26	0.26
6.00	0.87	0.67	0.16	8.60	1.49	1.27	0.26
6.05	0.88	0.68	0.16	8.65	1.51	1.29	0.27
6.10	0.89	0.69	0.16	8.70	1.52	1.30	0.27
6.15	0.90	0.70	0.16	8.75	1.54	1.32	0.27
6.20	0.91	0.71	0.16	8.80	1.55	1.33	0.27
6.25	0.92	0.71	0.17	8.85	1.57	1.35	0.27
6.30	0.93	0.72	0.17	8.90	1.58	1.36	0.28
6.35	0.94	0.73	0.17	8.95	1.60	1.38	0.28
6.40	0.95	0.74	0.17	9.00	1.61	1.39	0.28
6.45	0.96	0.75	0.18	9.05	1.63	1.41	0.29
6.50	0.97	0.76	0.18	9.10	1.64	1.42	0.29
6.55	0.98	0.77	0.18	9.15	1.66	1.44	0.30
6.60	0.99	0.78	0.18	9.20	1.68	1.46	0.31
6.65	1.00	0.79	0.18	9.25	1.70	1.47	0.32
6.70	1.01	0.80	0.19	9.30	1.72	1.49	0.32
6.75	1.02	0.81	0.19	9.35	1.73	1.51	0.33
6.80	1.03	0.82	0.19	9.40	1.75	1.53	0.34
6.85	1.04	0.83	0.19	9.45	1.77	1.55	0.35
6.90	1.05	0.84	0.19	9.50	1.79	1.57	0.35
6.95	1.07	0.85	0.20	9.55	1.81	1.59	0.36
7.00	1.08	0.87	0.20	9.60	1.83	1.61	0.37
7.05	1.09	0.88	0.20	9.65	1.85	1.63	0.38
7.10	1.10	0.89	0.20	9.70	1.88	1.65	0.39
7.15	1.11	0.90	0.20	9.75	1.90	1.67	0.39
7.20	1.12	0.91	0.21	9.80	1.92	1.69	0.40
7.25	1.13	0.92	0.21	9.85	1.94	1.72	0.41
7.30	1.15	0.93	0.21	9.90	1.97	1.74	0.42
7.35	1.16	0.94	0.21	9.95	1.99	1.76	0.42
7.40	1.17	0.96	0.21	10.00	2.01	1.79	0.43
7.45	1.18	0.97	0.22	10.05	2.04	1.81	0.44
7.50	1.19	0.98	0.22	10.10	2.06	1.84	0.45
7.55	1.21	0.99	0.22	10.15	2.09	1.86	0.45
7.60	1.22	1.00	0.22	10.20	2.11	1.89	0.46
7.65	1.23	1.02	0.22	10.25	2.14	1.91	0.47
7.70	1.24	1.03	0.23	10.30	2.17	1.94	0.48
7.75	1.26	1.04	0.23	10.35	2.19	1.97	0.48

Hydrograph for Subcatchment 49I: PDA-49 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	1.99	0.49	13.00	8.39	8.15	0.93
10.45	2.25	2.02	0.50	13.05	8.43	8.19	0.88
10.50	2.28	2.05	0.51	13.10	8.48	8.24	0.82
10.55	2.31	2.08	0.53	13.15	8.52	8.28	0.79
10.60	2.34	2.11	0.56	13.20	8.56	8.32	0.76
10.65	2.37	2.14	0.59	13.25	8.60	8.36	0.73
10.70	2.41	2.18	0.62	13.30	8.63	8.39	0.70
10.75	2.44	2.21	0.64	13.35	8.67	8.43	0.67
10.80	2.48	2.25	0.68	13.40	8.70	8.46	0.64
10.85	2.52	2.29	0.70	13.45	8.73	8.49	0.61
10.90	2.56	2.33	0.73	13.50	8.76	8.52	0.58
10.95	2.61	2.38	0.76	13.55	8.79	8.55	0.55
11.00	2.65	2.42	0.79	13.60	8.82	8.58	0.52
11.05	2.70	2.47	0.84	13.65	8.85	8.61	0.51
11.10	2.75	2.52	0.89	13.70	8.87	8.63	0.50
11.15	2.80	2.57	0.94	13.75	8.90	8.66	0.49
11.20	2.86	2.63	1.00	13.80	8.93	8.69	0.48
11.25	2.92	2.69	1.05	13.85	8.95	8.71	0.48
11.30	2.98	2.75	1.11	13.90	8.98	8.74	0.47
11.35	3.05	2.82	1.16	13.95	9.00	8.76	0.46
11.40	3.12	2.89	1.22	14.00	9.03	8.79	0.45
11.45	3.19	2.96	1.26	14.05	9.05	8.81	0.45
11.50	3.26	3.03	1.31	14.10	9.07	8.83	0.44
11.55	3.37	3.14	1.57	14.15	9.10	8.86	0.43
11.60	3.49	3.25	1.94	14.20	9.12	8.88	0.42
11.65	3.60	3.37	2.07	14.25	9.14	8.90	0.42
11.70	3.72	3.49	2.14	14.30	9.16	8.92	0.41
11.75	3.88	3.65	2.43	14.35	9.19	8.95	0.40
11.80	4.04	3.81	2.84	14.40	9.21	8.97	0.39
11.85	4.27	4.03	3.33	14.45	9.23	8.99	0.39
11.90	4.49	4.25	3.95	14.50	9.25	9.01	0.38
11.95	4.88	4.64	5.11	14.55	9.27	9.03	0.37
12.00	5.26	5.02	6.67	14.60	9.29	9.05	0.36
12.05	5.91	5.67	8.65	14.65	9.31	9.07	0.36
12.10	6.55	6.31	**11.09**	14.70	9.32	9.08	0.35
12.15	6.77	6.53	9.06	14.75	9.34	9.10	0.34
12.20	7.00	6.76	5.24	14.80	9.36	9.12	0.33
12.25	7.16	6.92	3.92	14.85	9.38	9.14	0.33
12.30	7.32	7.08	3.16	14.90	9.40	9.15	0.32
12.35	7.44	7.20	2.72	14.95	9.41	9.17	0.31
12.40	7.55	7.31	2.28	15.00	9.43	9.19	0.30
12.45	7.67	7.43	2.15	15.05	9.44	9.20	0.30
12.50	7.78	7.54	2.07	15.10	9.46	9.22	0.29
12.55	7.85	7.61	1.81	15.15	9.47	9.23	0.28
12.60	7.92	7.68	1.43	15.20	9.49	9.25	0.28
12.65	7.99	7.75	1.32	15.25	9.50	9.26	0.28
12.70	8.06	7.82	1.26	15.30	9.52	9.28	0.28
12.75	8.12	7.88	1.21	15.35	9.53	9.29	0.28
12.80	8.18	7.94	1.15	15.40	9.55	9.31	0.27
12.85	8.24	8.00	1.10	15.45	9.56	9.32	0.27
12.90	8.29	8.05	1.04	15.50	9.58	9.34	0.27
12.95	8.34	8.10	0.99	15.55	9.59	9.35	0.27

Hydrograph for Subcatchment 49I: PDA-49 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	9.37	0.27	18.20	10.20	9.96	0.16
15.65	9.62	9.38	0.26	18.25	10.21	9.97	0.16
15.70	9.64	9.39	0.26	18.30	10.22	9.98	0.16
15.75	9.65	9.41	0.26	18.35	10.23	9.99	0.16
15.80	9.66	9.42	0.26	18.40	10.24	9.99	0.16
15.85	9.68	9.44	0.26	18.45	10.24	10.00	0.16
15.90	9.69	9.45	0.25	18.50	10.25	10.01	0.16
15.95	9.70	9.46	0.25	18.55	10.26	10.02	0.16
16.00	9.72	9.48	0.25	18.60	10.27	10.03	0.16
16.05	9.73	9.49	0.25	18.65	10.28	10.04	0.16
16.10	9.74	9.50	0.25	18.70	10.29	10.05	0.16
16.15	9.76	9.52	0.24	18.75	10.30	10.05	0.16
16.20	9.77	9.53	0.24	18.80	10.30	10.06	0.16
16.25	9.78	9.54	0.24	18.85	10.31	10.07	0.16
16.30	9.80	9.55	0.24	18.90	10.32	10.08	0.16
16.35	9.81	9.57	0.23	18.95	10.33	10.09	0.16
16.40	9.82	9.58	0.23	19.00	10.34	10.10	0.15
16.45	9.83	9.59	0.23	19.05	10.35	10.11	0.15
16.50	9.85	9.60	0.23	19.10	10.35	10.11	0.15
16.55	9.86	9.62	0.23	19.15	10.36	10.12	0.15
16.60	9.87	9.63	0.22	19.20	10.37	10.13	0.15
16.65	9.88	9.64	0.22	19.25	10.38	10.14	0.15
16.70	9.89	9.65	0.22	19.30	10.39	10.15	0.15
16.75	9.91	9.66	0.22	19.35	10.40	10.15	0.15
16.80	9.92	9.68	0.22	19.40	10.40	10.16	0.15
16.85	9.93	9.69	0.21	19.45	10.41	10.17	0.15
16.90	9.94	9.70	0.21	19.50	10.42	10.18	0.15
16.95	9.95	9.71	0.21	19.55	10.43	10.19	0.15
17.00	9.96	9.72	0.21	19.60	10.44	10.20	0.15
17.05	9.97	9.73	0.21	19.65	10.44	10.20	0.15
17.10	9.99	9.74	0.20	19.70	10.45	10.21	0.15
17.15	10.00	9.76	0.20	19.75	10.46	10.22	0.15
17.20	10.01	9.77	0.20	19.80	10.47	10.23	0.15
17.25	10.02	9.78	0.20	19.85	10.48	10.24	0.15
17.30	10.03	9.79	0.20	19.90	10.48	10.24	0.15
17.35	10.04	9.80	0.19	19.95	10.49	10.25	0.14
17.40	10.05	9.81	0.19	20.00	10.50	10.26	0.14
17.45	10.06	9.82	0.19	20.05	10.51	10.27	0.14
17.50	10.07	9.83	0.19	20.10	10.52	10.27	0.14
17.55	10.08	9.84	0.19	20.15	10.52	10.28	0.14
17.60	10.09	9.85	0.18	20.20	10.53	10.29	0.14
17.65	10.10	9.86	0.18	20.25	10.54	10.30	0.14
17.70	10.11	9.87	0.18	20.30	10.55	10.31	0.14
17.75	10.12	9.88	0.18	20.35	10.55	10.31	0.14
17.80	10.13	9.89	0.18	20.40	10.56	10.32	0.14
17.85	10.14	9.90	0.17	20.45	10.57	10.33	0.14
17.90	10.15	9.91	0.17	20.50	10.58	10.34	0.14
17.95	10.16	9.92	0.17	20.55	10.58	10.34	0.14
18.00	10.17	9.92	0.17	20.60	10.59	10.35	0.14
18.05	10.17	9.93	0.17	20.65	10.60	10.36	0.14
18.10	10.18	9.94	0.16	20.70	10.61	10.37	0.14
18.15	10.19	9.95	0.16	20.75	10.61	10.37	0.14

Hydrograph for Subcatchment 49I: PDA-49 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	10.38	0.14	23.40	10.97	10.73	0.11
20.85	10.63	10.39	0.14	23.45	10.97	10.73	0.11
20.90	10.64	10.39	0.14	23.50	10.98	10.74	0.11
20.95	10.64	10.40	0.13	23.55	10.99	10.74	0.11
21.00	10.65	10.41	0.13	23.60	10.99	10.75	0.11
21.05	10.66	10.42	0.13	23.65	11.00	10.76	0.11
21.10	10.66	10.42	0.13	23.70	11.00	10.76	0.11
21.15	10.67	10.43	0.13	23.75	11.01	10.77	0.11
21.20	10.68	10.44	0.13	23.80	11.01	10.77	0.11
21.25	10.69	10.45	0.13	23.85	11.02	10.78	0.11
21.30	10.69	10.45	0.13	23.90	11.03	10.78	0.10
21.35	10.70	10.46	0.13	23.95	11.03	10.79	0.11
21.40	10.71	10.47	0.13	24.00	**11.04**	**10.80**	0.13
21.45	10.71	10.47	0.13	24.05	11.04	10.80	0.08
21.50	10.72	10.48	0.13	24.10	11.04	10.80	0.02
21.55	10.73	10.49	0.13	24.15	11.04	10.80	0.00
21.60	10.74	10.49	0.13	24.20	11.04	10.80	0.00
21.65	10.74	10.50	0.13	24.25	11.04	10.80	0.00
21.70	10.75	10.51	0.13	24.30	11.04	10.80	0.00
21.75	10.76	10.52	0.13	24.35	11.04	10.80	0.00
21.80	10.76	10.52	0.13	24.40	11.04	10.80	0.00
21.85	10.77	10.53	0.13	24.45	11.04	10.80	0.00
21.90	10.78	10.54	0.13	24.50	11.04	10.80	0.00
21.95	10.78	10.54	0.12	24.55	11.04	10.80	0.00
22.00	10.79	10.55	0.12	24.60	11.04	10.80	0.00
22.05	10.80	10.56	0.12	24.65	11.04	10.80	0.00
22.10	10.80	10.56	0.12	24.70	11.04	10.80	0.00
22.15	10.81	10.57	0.12	24.75	11.04	10.80	0.00
22.20	10.82	10.58	0.12	24.80	11.04	10.80	0.00
22.25	10.82	10.58	0.12	24.85	11.04	10.80	0.00
22.30	10.83	10.59	0.12	24.90	11.04	10.80	0.00
22.35	10.84	10.60	0.12	24.95	11.04	10.80	0.00
22.40	10.84	10.60	0.12	25.00	11.04	10.80	0.00
22.45	10.85	10.61	0.12	25.05	11.04	10.80	0.00
22.50	10.86	10.62	0.12	25.10	11.04	10.80	0.00
22.55	10.86	10.62	0.12	25.15	11.04	10.80	0.00
22.60	10.87	10.63	0.12	25.20	11.04	10.80	0.00
22.65	10.88	10.63	0.12	25.25	11.04	10.80	0.00
22.70	10.88	10.64	0.12	25.30	11.04	10.80	0.00
22.75	10.89	10.65	0.12	25.35	11.04	10.80	0.00
22.80	10.89	10.65	0.12	25.40	11.04	10.80	0.00
22.85	10.90	10.66	0.12	25.45	11.04	10.80	0.00
22.90	10.91	10.67	0.11	25.50	11.04	10.80	0.00
22.95	10.91	10.67	0.11	25.55	11.04	10.80	0.00
23.00	10.92	10.68	0.11	25.60	11.04	10.80	0.00
23.05	10.93	10.68	0.11	25.65	11.04	10.80	0.00
23.10	10.93	10.69	0.11	25.70	11.04	10.80	0.00
23.15	10.94	10.70	0.11	25.75	11.04	10.80	0.00
23.20	10.94	10.70	0.11	25.80	11.04	10.80	0.00
23.25	10.95	10.71	0.11	25.85	11.04	10.80	0.00
23.30	10.96	10.71	0.11	25.90	11.04	10.80	0.00
23.35	10.96	10.72	0.11	25.95	11.04	10.80	0.00

Hydrograph for Subcatchment 49I: PDA-49 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	10.80	0.00	28.60	11.04	10.80	0.00
26.05	11.04	10.80	0.00	28.65	11.04	10.80	0.00
26.10	11.04	10.80	0.00	28.70	11.04	10.80	0.00
26.15	11.04	10.80	0.00	28.75	11.04	10.80	0.00
26.20	11.04	10.80	0.00	28.80	11.04	10.80	0.00
26.25	11.04	10.80	0.00	28.85	11.04	10.80	0.00
26.30	11.04	10.80	0.00	28.90	11.04	10.80	0.00
26.35	11.04	10.80	0.00	28.95	11.04	10.80	0.00
26.40	11.04	10.80	0.00	29.00	11.04	10.80	0.00
26.45	11.04	10.80	0.00	29.05	11.04	10.80	0.00
26.50	11.04	10.80	0.00	29.10	11.04	10.80	0.00
26.55	11.04	10.80	0.00	29.15	11.04	10.80	0.00
26.60	11.04	10.80	0.00	29.20	11.04	10.80	0.00
26.65	11.04	10.80	0.00	29.25	11.04	10.80	0.00
26.70	11.04	10.80	0.00	29.30	11.04	10.80	0.00
26.75	11.04	10.80	0.00	29.35	11.04	10.80	0.00
26.80	11.04	10.80	0.00	29.40	11.04	10.80	0.00
26.85	11.04	10.80	0.00	29.45	11.04	10.80	0.00
26.90	11.04	10.80	0.00	29.50	11.04	10.80	0.00
26.95	11.04	10.80	0.00	29.55	11.04	10.80	0.00
27.00	11.04	10.80	0.00	29.60	11.04	10.80	0.00
27.05	11.04	10.80	0.00	29.65	11.04	10.80	0.00
27.10	11.04	10.80	0.00	29.70	11.04	10.80	0.00
27.15	11.04	10.80	0.00	29.75	11.04	10.80	0.00
27.20	11.04	10.80	0.00	29.80	11.04	10.80	0.00
27.25	11.04	10.80	0.00	29.85	11.04	10.80	0.00
27.30	11.04	10.80	0.00	29.90	11.04	10.80	0.00
27.35	11.04	10.80	0.00	29.95	11.04	10.80	0.00
27.40	11.04	10.80	0.00	30.00	11.04	10.80	0.00
27.45	11.04	10.80	0.00	30.05	11.04	10.80	0.00
27.50	11.04	10.80	0.00	30.10	11.04	10.80	0.00
27.55	11.04	10.80	0.00	30.15	11.04	10.80	0.00
27.60	11.04	10.80	0.00	30.20	11.04	10.80	0.00
27.65	11.04	10.80	0.00	30.25	11.04	10.80	0.00
27.70	11.04	10.80	0.00	30.30	11.04	10.80	0.00
27.75	11.04	10.80	0.00	30.35	11.04	10.80	0.00
27.80	11.04	10.80	0.00	30.40	11.04	10.80	0.00
27.85	11.04	10.80	0.00	30.45	11.04	10.80	0.00
27.90	11.04	10.80	0.00	30.50	11.04	10.80	0.00
27.95	11.04	10.80	0.00	30.55	11.04	10.80	0.00
28.00	11.04	10.80	0.00	30.60	11.04	10.80	0.00
28.05	11.04	10.80	0.00	30.65	11.04	10.80	0.00
28.10	11.04	10.80	0.00	30.70	11.04	10.80	0.00
28.15	11.04	10.80	0.00	30.75	11.04	10.80	0.00
28.20	11.04	10.80	0.00	30.80	11.04	10.80	0.00
28.25	11.04	10.80	0.00	30.85	11.04	10.80	0.00
28.30	11.04	10.80	0.00	30.90	11.04	10.80	0.00
28.35	11.04	10.80	0.00	30.95	11.04	10.80	0.00
28.40	11.04	10.80	0.00	31.00	11.04	10.80	0.00
28.45	11.04	10.80	0.00	31.05	11.04	10.80	0.00
28.50	11.04	10.80	0.00	31.10	11.04	10.80	0.00
28.55	11.04	10.80	0.00	31.15	11.04	10.80	0.00

Hydrograph for Subcatchment 49I: PDA-49 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	10.80	0.00	33.80	11.04	10.80	0.00
31.25	11.04	10.80	0.00	33.85	11.04	10.80	0.00
31.30	11.04	10.80	0.00	33.90	11.04	10.80	0.00
31.35	11.04	10.80	0.00	33.95	11.04	10.80	0.00
31.40	11.04	10.80	0.00	34.00	11.04	10.80	0.00
31.45	11.04	10.80	0.00	34.05	11.04	10.80	0.00
31.50	11.04	10.80	0.00	34.10	11.04	10.80	0.00
31.55	11.04	10.80	0.00	34.15	11.04	10.80	0.00
31.60	11.04	10.80	0.00	34.20	11.04	10.80	0.00
31.65	11.04	10.80	0.00	34.25	11.04	10.80	0.00
31.70	11.04	10.80	0.00	34.30	11.04	10.80	0.00
31.75	11.04	10.80	0.00	34.35	11.04	10.80	0.00
31.80	11.04	10.80	0.00	34.40	11.04	10.80	0.00
31.85	11.04	10.80	0.00	34.45	11.04	10.80	0.00
31.90	11.04	10.80	0.00	34.50	11.04	10.80	0.00
31.95	11.04	10.80	0.00	34.55	11.04	10.80	0.00
32.00	11.04	10.80	0.00	34.60	11.04	10.80	0.00
32.05	11.04	10.80	0.00	34.65	11.04	10.80	0.00
32.10	11.04	10.80	0.00	34.70	11.04	10.80	0.00
32.15	11.04	10.80	0.00	34.75	11.04	10.80	0.00
32.20	11.04	10.80	0.00	34.80	11.04	10.80	0.00
32.25	11.04	10.80	0.00	34.85	11.04	10.80	0.00
32.30	11.04	10.80	0.00	34.90	11.04	10.80	0.00
32.35	11.04	10.80	0.00	34.95	11.04	10.80	0.00
32.40	11.04	10.80	0.00	35.00	11.04	10.80	0.00
32.45	11.04	10.80	0.00	35.05	11.04	10.80	0.00
32.50	11.04	10.80	0.00	35.10	11.04	10.80	0.00
32.55	11.04	10.80	0.00	35.15	11.04	10.80	0.00
32.60	11.04	10.80	0.00	35.20	11.04	10.80	0.00
32.65	11.04	10.80	0.00	35.25	11.04	10.80	0.00
32.70	11.04	10.80	0.00	35.30	11.04	10.80	0.00
32.75	11.04	10.80	0.00	35.35	11.04	10.80	0.00
32.80	11.04	10.80	0.00	35.40	11.04	10.80	0.00
32.85	11.04	10.80	0.00	35.45	11.04	10.80	0.00
32.90	11.04	10.80	0.00	35.50	11.04	10.80	0.00
32.95	11.04	10.80	0.00	35.55	11.04	10.80	0.00
33.00	11.04	10.80	0.00	35.60	11.04	10.80	0.00
33.05	11.04	10.80	0.00	35.65	11.04	10.80	0.00
33.10	11.04	10.80	0.00	35.70	11.04	10.80	0.00
33.15	11.04	10.80	0.00	35.75	11.04	10.80	0.00
33.20	11.04	10.80	0.00	35.80	11.04	10.80	0.00
33.25	11.04	10.80	0.00	35.85	11.04	10.80	0.00
33.30	11.04	10.80	0.00	35.90	11.04	10.80	0.00
33.35	11.04	10.80	0.00	35.95	11.04	10.80	0.00
33.40	11.04	10.80	0.00	36.00	11.04	10.80	0.00
33.45	11.04	10.80	0.00	36.05	11.04	10.80	0.00
33.50	11.04	10.80	0.00	36.10	11.04	10.80	0.00
33.55	11.04	10.80	0.00	36.15	11.04	10.80	0.00
33.60	11.04	10.80	0.00	36.20	11.04	10.80	0.00
33.65	11.04	10.80	0.00	36.25	11.04	10.80	0.00
33.70	11.04	10.80	0.00	36.30	11.04	10.80	0.00
33.75	11.04	10.80	0.00	36.35	11.04	10.80	0.00

Hydrograph for Subcatchment 49I: PDA-49 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	10.80	0.00
36.45	11.04	10.80	0.00
36.50	11.04	10.80	0.00
36.55	11.04	10.80	0.00
36.60	11.04	10.80	0.00
36.65	11.04	10.80	0.00
36.70	11.04	10.80	0.00
36.75	11.04	10.80	0.00
36.80	11.04	10.80	0.00
36.85	11.04	10.80	0.00
36.90	11.04	10.80	0.00
36.95	11.04	10.80	0.00
37.00	11.04	10.80	0.00
37.05	11.04	10.80	0.00
37.10	11.04	10.80	0.00
37.15	11.04	10.80	0.00
37.20	11.04	10.80	0.00
37.25	11.04	10.80	0.00
37.30	11.04	10.80	0.00
37.35	11.04	10.80	0.00
37.40	11.04	10.80	0.00
37.45	11.04	10.80	0.00
37.50	11.04	10.80	0.00
37.55	11.04	10.80	0.00
37.60	11.04	10.80	0.00
37.65	11.04	10.80	0.00
37.70	11.04	10.80	0.00
37.75	11.04	10.80	0.00
37.80	11.04	10.80	0.00
37.85	11.04	10.80	0.00
37.90	11.04	10.80	0.00
37.95	11.04	10.80	0.00
38.00	11.04	10.80	0.00
38.05	11.04	10.80	0.00
38.10	11.04	10.80	0.00
38.15	11.04	10.80	0.00
38.20	11.04	10.80	0.00
38.25	11.04	10.80	0.00
38.30	11.04	10.80	0.00
38.35	11.04	10.80	0.00
38.40	11.04	10.80	0.00
38.45	11.04	10.80	0.00
38.50	11.04	10.80	0.00
38.55	11.04	10.80	0.00
38.60	11.04	10.80	0.00
38.65	11.04	10.80	0.00
38.70	11.04	10.80	0.00
38.75	11.04	10.80	0.00
38.80	11.04	10.80	0.00
38.85	11.04	10.80	0.00
38.90	11.04	10.80	0.00
38.95	11.04	10.80	0.00
39.00	11.04	10.80	0.00
39.05	11.04	10.80	0.00
39.10	11.04	10.80	0.00
39.15	11.04	10.80	0.00
39.20	11.04	10.80	0.00
39.25	11.04	10.80	0.00
39.30	11.04	10.80	0.00
39.35	11.04	10.80	0.00
39.40	11.04	10.80	0.00
39.45	11.04	10.80	0.00
39.50	11.04	10.80	0.00
39.55	11.04	10.80	0.00
39.60	11.04	10.80	0.00
39.65	11.04	10.80	0.00
39.70	11.04	10.80	0.00
39.75	11.04	10.80	0.00
39.80	11.04	10.80	0.00
39.85	11.04	10.80	0.00
39.90	11.04	10.80	0.00
39.95	11.04	10.80	0.00
40.00	11.04	10.80	0.00

Summary for Subcatchment 49P: PDA-49 (pervious)

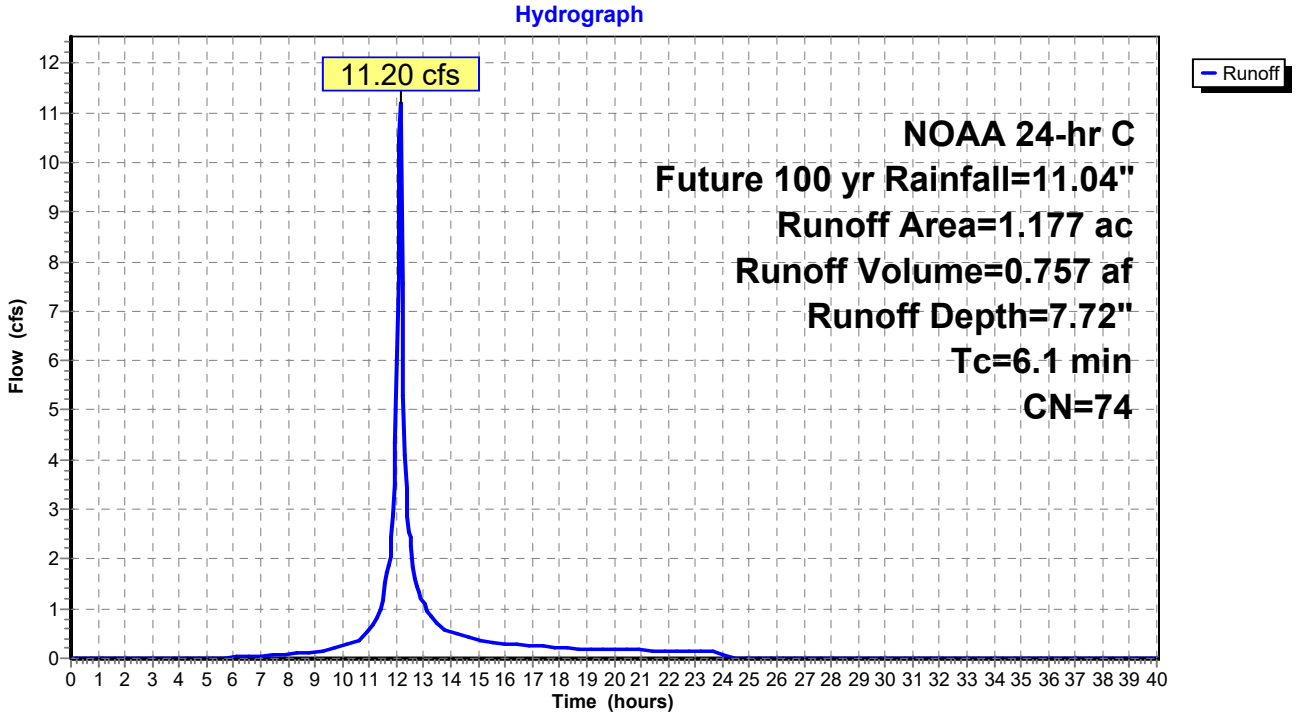
Runoff = 11.20 cfs @ 12.13 hrs, Volume= 0.757 af, Depth= 7.72"
Routed to Pond B-49 : Basin #49

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

Area (ac)	CN	Description
1.177	74	>75% Grass cover, Good, HSG C
1.177		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.1					**Direct Entry,**

Subcatchment 49P: PDA-49 (pervious)



Hydrograph for Subcatchment 49P: PDA-49 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.34	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.35	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.35	0.00	0.00
0.20	0.03	0.00	0.00	2.80	0.36	0.00	0.00
0.25	0.03	0.00	0.00	2.85	0.37	0.00	0.00
0.30	0.04	0.00	0.00	2.90	0.38	0.00	0.00
0.35	0.04	0.00	0.00	2.95	0.38	0.00	0.00
0.40	0.05	0.00	0.00	3.00	0.39	0.00	0.00
0.45	0.05	0.00	0.00	3.05	0.40	0.00	0.00
0.50	0.06	0.00	0.00	3.10	0.40	0.00	0.00
0.55	0.07	0.00	0.00	3.15	0.41	0.00	0.00
0.60	0.07	0.00	0.00	3.20	0.42	0.00	0.00
0.65	0.08	0.00	0.00	3.25	0.43	0.00	0.00
0.70	0.08	0.00	0.00	3.30	0.43	0.00	0.00
0.75	0.09	0.00	0.00	3.35	0.44	0.00	0.00
0.80	0.10	0.00	0.00	3.40	0.45	0.00	0.00
0.85	0.10	0.00	0.00	3.45	0.46	0.00	0.00
0.90	0.11	0.00	0.00	3.50	0.46	0.00	0.00
0.95	0.11	0.00	0.00	3.55	0.47	0.00	0.00
1.00	0.12	0.00	0.00	3.60	0.48	0.00	0.00
1.05	0.13	0.00	0.00	3.65	0.49	0.00	0.00
1.10	0.13	0.00	0.00	3.70	0.49	0.00	0.00
1.15	0.14	0.00	0.00	3.75	0.50	0.00	0.00
1.20	0.15	0.00	0.00	3.80	0.51	0.00	0.00
1.25	0.15	0.00	0.00	3.85	0.52	0.00	0.00
1.30	0.16	0.00	0.00	3.90	0.52	0.00	0.00
1.35	0.16	0.00	0.00	3.95	0.53	0.00	0.00
1.40	0.17	0.00	0.00	4.00	0.54	0.00	0.00
1.45	0.18	0.00	0.00	4.05	0.55	0.00	0.00
1.50	0.18	0.00	0.00	4.10	0.56	0.00	0.00
1.55	0.19	0.00	0.00	4.15	0.56	0.00	0.00
1.60	0.20	0.00	0.00	4.20	0.57	0.00	0.00
1.65	0.20	0.00	0.00	4.25	0.58	0.00	0.00
1.70	0.21	0.00	0.00	4.30	0.59	0.00	0.00
1.75	0.22	0.00	0.00	4.35	0.60	0.00	0.00
1.80	0.22	0.00	0.00	4.40	0.60	0.00	0.00
1.85	0.23	0.00	0.00	4.45	0.61	0.00	0.00
1.90	0.24	0.00	0.00	4.50	0.62	0.00	0.00
1.95	0.24	0.00	0.00	4.55	0.63	0.00	0.00
2.00	0.25	0.00	0.00	4.60	0.64	0.00	0.00
2.05	0.26	0.00	0.00	4.65	0.64	0.00	0.00
2.10	0.26	0.00	0.00	4.70	0.65	0.00	0.00
2.15	0.27	0.00	0.00	4.75	0.66	0.00	0.00
2.20	0.28	0.00	0.00	4.80	0.67	0.00	0.00
2.25	0.28	0.00	0.00	4.85	0.68	0.00	0.00
2.30	0.29	0.00	0.00	4.90	0.69	0.00	0.00
2.35	0.30	0.00	0.00	4.95	0.69	0.00	0.00
2.40	0.30	0.00	0.00	5.00	0.70	0.00	0.00
2.45	0.31	0.00	0.00	5.05	0.71	0.00	0.00
2.50	0.32	0.00	0.00	5.10	0.72	0.00	0.00
2.55	0.33	0.00	0.00	5.15	0.73	0.00	0.00

Hydrograph for Subcatchment 49P: PDA-49 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.00	0.00	7.80	1.27	0.08	0.08
5.25	0.74	0.00	0.00	7.85	1.28	0.08	0.08
5.30	0.75	0.00	0.00	7.90	1.30	0.09	0.08
5.35	0.76	0.00	0.00	7.95	1.31	0.09	0.08
5.40	0.77	0.00	0.01	8.00	1.32	0.09	0.08
5.45	0.78	0.00	0.01	8.05	1.34	0.10	0.09
5.50	0.79	0.00	0.01	8.10	1.35	0.10	0.09
5.55	0.80	0.00	0.01	8.15	1.36	0.10	0.09
5.60	0.80	0.00	0.01	8.20	1.38	0.11	0.09
5.65	0.81	0.00	0.01	8.25	1.39	0.11	0.10
5.70	0.82	0.00	0.01	8.30	1.40	0.12	0.10
5.75	0.83	0.00	0.01	8.35	1.42	0.12	0.10
5.80	0.84	0.01	0.01	8.40	1.43	0.13	0.10
5.85	0.85	0.01	0.01	8.45	1.45	0.13	0.10
5.90	0.86	0.01	0.02	8.50	1.46	0.13	0.11
5.95	0.87	0.01	0.02	8.55	1.48	0.14	0.11
6.00	0.87	0.01	0.02	8.60	1.49	0.14	0.11
6.05	0.88	0.01	0.02	8.65	1.51	0.15	0.11
6.10	0.89	0.01	0.02	8.70	1.52	0.15	0.12
6.15	0.90	0.01	0.02	8.75	1.54	0.16	0.12
6.20	0.91	0.01	0.02	8.80	1.55	0.16	0.12
6.25	0.92	0.01	0.02	8.85	1.57	0.17	0.12
6.30	0.93	0.01	0.02	8.90	1.58	0.18	0.13
6.35	0.94	0.02	0.03	8.95	1.60	0.18	0.13
6.40	0.95	0.02	0.03	9.00	1.61	0.19	0.13
6.45	0.96	0.02	0.03	9.05	1.63	0.19	0.14
6.50	0.97	0.02	0.03	9.10	1.64	0.20	0.14
6.55	0.98	0.02	0.03	9.15	1.66	0.21	0.14
6.60	0.99	0.02	0.03	9.20	1.68	0.21	0.15
6.65	1.00	0.02	0.03	9.25	1.70	0.22	0.16
6.70	1.01	0.02	0.04	9.30	1.72	0.23	0.16
6.75	1.02	0.03	0.04	9.35	1.73	0.23	0.17
6.80	1.03	0.03	0.04	9.40	1.75	0.24	0.17
6.85	1.04	0.03	0.04	9.45	1.77	0.25	0.18
6.90	1.05	0.03	0.04	9.50	1.79	0.26	0.19
6.95	1.07	0.03	0.04	9.55	1.81	0.27	0.19
7.00	1.08	0.04	0.05	9.60	1.83	0.28	0.20
7.05	1.09	0.04	0.05	9.65	1.85	0.28	0.21
7.10	1.10	0.04	0.05	9.70	1.88	0.29	0.21
7.15	1.11	0.04	0.05	9.75	1.90	0.30	0.22
7.20	1.12	0.04	0.05	9.80	1.92	0.31	0.23
7.25	1.13	0.05	0.05	9.85	1.94	0.32	0.23
7.30	1.15	0.05	0.06	9.90	1.97	0.33	0.24
7.35	1.16	0.05	0.06	9.95	1.99	0.34	0.25
7.40	1.17	0.05	0.06	10.00	2.01	0.36	0.26
7.45	1.18	0.06	0.06	10.05	2.04	0.37	0.26
7.50	1.19	0.06	0.06	10.10	2.06	0.38	0.27
7.55	1.21	0.06	0.07	10.15	2.09	0.39	0.28
7.60	1.22	0.07	0.07	10.20	2.11	0.40	0.29
7.65	1.23	0.07	0.07	10.25	2.14	0.42	0.29
7.70	1.24	0.07	0.07	10.30	2.17	0.43	0.30
7.75	1.26	0.08	0.07	10.35	2.19	0.44	0.31

Hydrograph for Subcatchment 49P: PDA-49 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	0.46	0.32	13.00	8.39	5.28	1.11
10.45	2.25	0.47	0.33	13.05	8.43	5.32	1.06
10.50	2.28	0.49	0.34	13.10	8.48	5.36	0.99
10.55	2.31	0.50	0.35	13.15	8.52	5.39	0.94
10.60	2.34	0.52	0.37	13.20	8.56	5.43	0.90
10.65	2.37	0.54	0.39	13.25	8.60	5.46	0.87
10.70	2.41	0.56	0.42	13.30	8.63	5.50	0.83
10.75	2.44	0.58	0.44	13.35	8.67	5.53	0.80
10.80	2.48	0.60	0.47	13.40	8.70	5.56	0.76
10.85	2.52	0.62	0.49	13.45	8.73	5.59	0.73
10.90	2.56	0.64	0.52	13.50	8.76	5.61	0.70
10.95	2.61	0.67	0.55	13.55	8.79	5.64	0.67
11.00	2.65	0.69	0.58	13.60	8.82	5.67	0.63
11.05	2.70	0.72	0.61	13.65	8.85	5.69	0.61
11.10	2.75	0.75	0.66	13.70	8.87	5.71	0.59
11.15	2.80	0.79	0.70	13.75	8.90	5.74	0.58
11.20	2.86	0.82	0.76	13.80	8.93	5.76	0.57
11.25	2.92	0.86	0.81	13.85	8.95	5.79	0.57
11.30	2.98	0.90	0.87	13.90	8.98	5.81	0.56
11.35	3.05	0.94	0.92	13.95	9.00	5.83	0.55
11.40	3.12	0.98	0.98	14.00	9.03	5.85	0.54
11.45	3.19	1.03	1.03	14.05	9.05	5.88	0.53
11.50	3.26	1.08	1.08	14.10	9.07	5.90	0.52
11.55	3.37	1.15	1.21	14.15	9.10	5.92	0.51
11.60	3.49	1.23	1.53	14.20	9.12	5.94	0.50
11.65	3.60	1.31	1.74	14.25	9.14	5.96	0.50
11.70	3.72	1.39	1.87	14.30	9.16	5.98	0.49
11.75	3.88	1.51	2.05	14.35	9.19	6.00	0.48
11.80	4.04	1.63	2.45	14.40	9.21	6.02	0.47
11.85	4.27	1.79	2.86	14.45	9.23	6.04	0.46
11.90	4.49	1.96	3.50	14.50	9.25	6.06	0.45
11.95	4.88	2.27	4.33	14.55	9.27	6.07	0.44
12.00	5.26	2.57	5.95	14.60	9.29	6.09	0.43
12.05	5.91	3.11	7.70	14.65	9.31	6.11	0.43
12.10	6.55	3.65	10.51	14.70	9.32	6.13	0.42
12.15	6.77	3.85	**10.91**	14.75	9.34	6.14	0.41
12.20	7.00	4.04	7.57	14.80	9.36	6.16	0.40
12.25	7.16	4.18	5.32	14.85	9.38	6.17	0.39
12.30	7.32	4.32	4.09	14.90	9.40	6.19	0.38
12.35	7.44	4.43	3.43	14.95	9.41	6.21	0.37
12.40	7.55	4.53	2.86	15.00	9.43	6.22	0.36
12.45	7.67	4.63	2.56	15.05	9.44	6.23	0.35
12.50	7.78	4.73	2.42	15.10	9.46	6.25	0.34
12.55	7.85	4.79	2.25	15.15	9.47	6.26	0.34
12.60	7.92	4.86	1.84	15.20	9.49	6.28	0.33
12.65	7.99	4.92	1.61	15.25	9.50	6.29	0.33
12.70	8.06	4.98	1.50	15.30	9.52	6.30	0.33
12.75	8.12	5.03	1.43	15.35	9.53	6.32	0.33
12.80	8.18	5.09	1.36	15.40	9.55	6.33	0.33
12.85	8.24	5.14	1.31	15.45	9.56	6.34	0.32
12.90	8.29	5.19	1.24	15.50	9.58	6.36	0.32
12.95	8.34	5.23	1.18	15.55	9.59	6.37	0.32

Hydrograph for Subcatchment 49P: PDA-49 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	6.38	0.32	18.20	10.20	6.93	0.19
15.65	9.62	6.40	0.31	18.25	10.21	6.94	0.19
15.70	9.64	6.41	0.31	18.30	10.22	6.95	0.19
15.75	9.65	6.42	0.31	18.35	10.23	6.96	0.19
15.80	9.66	6.44	0.31	18.40	10.24	6.97	0.19
15.85	9.68	6.45	0.30	18.45	10.24	6.97	0.19
15.90	9.69	6.46	0.30	18.50	10.25	6.98	0.19
15.95	9.70	6.47	0.30	18.55	10.26	6.99	0.19
16.00	9.72	6.49	0.30	18.60	10.27	7.00	0.19
16.05	9.73	6.50	0.29	18.65	10.28	7.01	0.19
16.10	9.74	6.51	0.29	18.70	10.29	7.01	0.19
16.15	9.76	6.52	0.29	18.75	10.30	7.02	0.19
16.20	9.77	6.54	0.29	18.80	10.30	7.03	0.19
16.25	9.78	6.55	0.29	18.85	10.31	7.04	0.19
16.30	9.80	6.56	0.28	18.90	10.32	7.04	0.19
16.35	9.81	6.57	0.28	18.95	10.33	7.05	0.19
16.40	9.82	6.58	0.28	19.00	10.34	7.06	0.19
16.45	9.83	6.59	0.28	19.05	10.35	7.07	0.18
16.50	9.85	6.60	0.27	19.10	10.35	7.08	0.18
16.55	9.86	6.62	0.27	19.15	10.36	7.08	0.18
16.60	9.87	6.63	0.27	19.20	10.37	7.09	0.18
16.65	9.88	6.64	0.27	19.25	10.38	7.10	0.18
16.70	9.89	6.65	0.26	19.30	10.39	7.11	0.18
16.75	9.91	6.66	0.26	19.35	10.40	7.11	0.18
16.80	9.92	6.67	0.26	19.40	10.40	7.12	0.18
16.85	9.93	6.68	0.26	19.45	10.41	7.13	0.18
16.90	9.94	6.69	0.25	19.50	10.42	7.14	0.18
16.95	9.95	6.70	0.25	19.55	10.43	7.14	0.18
17.00	9.96	6.71	0.25	19.60	10.44	7.15	0.18
17.05	9.97	6.72	0.25	19.65	10.44	7.16	0.18
17.10	9.99	6.73	0.25	19.70	10.45	7.17	0.18
17.15	10.00	6.74	0.24	19.75	10.46	7.17	0.18
17.20	10.01	6.75	0.24	19.80	10.47	7.18	0.18
17.25	10.02	6.76	0.24	19.85	10.48	7.19	0.18
17.30	10.03	6.77	0.24	19.90	10.48	7.20	0.18
17.35	10.04	6.78	0.23	19.95	10.49	7.20	0.17
17.40	10.05	6.79	0.23	20.00	10.50	7.21	0.17
17.45	10.06	6.80	0.23	20.05	10.51	7.22	0.17
17.50	10.07	6.81	0.23	20.10	10.52	7.23	0.17
17.55	10.08	6.82	0.22	20.15	10.52	7.23	0.17
17.60	10.09	6.83	0.22	20.20	10.53	7.24	0.17
17.65	10.10	6.84	0.22	20.25	10.54	7.25	0.17
17.70	10.11	6.85	0.22	20.30	10.55	7.25	0.17
17.75	10.12	6.86	0.21	20.35	10.55	7.26	0.17
17.80	10.13	6.87	0.21	20.40	10.56	7.27	0.17
17.85	10.14	6.87	0.21	20.45	10.57	7.28	0.17
17.90	10.15	6.88	0.21	20.50	10.58	7.28	0.17
17.95	10.16	6.89	0.20	20.55	10.58	7.29	0.17
18.00	10.17	6.90	0.20	20.60	10.59	7.30	0.17
18.05	10.17	6.91	0.20	20.65	10.60	7.30	0.17
18.10	10.18	6.92	0.20	20.70	10.61	7.31	0.17
18.15	10.19	6.92	0.20	20.75	10.61	7.32	0.16

Hydrograph for Subcatchment 49P: PDA-49 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	7.32	0.16	23.40	10.97	7.65	0.13
20.85	10.63	7.33	0.16	23.45	10.97	7.65	0.13
20.90	10.64	7.34	0.16	23.50	10.98	7.66	0.13
20.95	10.64	7.34	0.16	23.55	10.99	7.66	0.13
21.00	10.65	7.35	0.16	23.60	10.99	7.67	0.13
21.05	10.66	7.36	0.16	23.65	11.00	7.67	0.13
21.10	10.66	7.36	0.16	23.70	11.00	7.68	0.13
21.15	10.67	7.37	0.16	23.75	11.01	7.69	0.13
21.20	10.68	7.38	0.16	23.80	11.01	7.69	0.13
21.25	10.69	7.38	0.16	23.85	11.02	7.70	0.13
21.30	10.69	7.39	0.16	23.90	11.03	7.70	0.13
21.35	10.70	7.40	0.16	23.95	11.03	7.71	0.13
21.40	10.71	7.40	0.16	24.00	**11.04**	**7.72**	0.15
21.45	10.71	7.41	0.16	24.05	11.04	7.72	0.13
21.50	10.72	7.42	0.16	24.10	11.04	7.72	0.06
21.55	10.73	7.42	0.16	24.15	11.04	7.72	0.02
21.60	10.74	7.43	0.15	24.20	11.04	7.72	0.01
21.65	10.74	7.44	0.15	24.25	11.04	7.72	0.00
21.70	10.75	7.44	0.15	24.30	11.04	7.72	0.00
21.75	10.76	7.45	0.15	24.35	11.04	7.72	0.00
21.80	10.76	7.46	0.15	24.40	11.04	7.72	0.00
21.85	10.77	7.46	0.15	24.45	11.04	7.72	0.00
21.90	10.78	7.47	0.15	24.50	11.04	7.72	0.00
21.95	10.78	7.48	0.15	24.55	11.04	7.72	0.00
22.00	10.79	7.48	0.15	24.60	11.04	7.72	0.00
22.05	10.80	7.49	0.15	24.65	11.04	7.72	0.00
22.10	10.80	7.49	0.15	24.70	11.04	7.72	0.00
22.15	10.81	7.50	0.15	24.75	11.04	7.72	0.00
22.20	10.82	7.51	0.15	24.80	11.04	7.72	0.00
22.25	10.82	7.51	0.15	24.85	11.04	7.72	0.00
22.30	10.83	7.52	0.15	24.90	11.04	7.72	0.00
22.35	10.84	7.53	0.15	24.95	11.04	7.72	0.00
22.40	10.84	7.53	0.14	25.00	11.04	7.72	0.00
22.45	10.85	7.54	0.14	25.05	11.04	7.72	0.00
22.50	10.86	7.54	0.14	25.10	11.04	7.72	0.00
22.55	10.86	7.55	0.14	25.15	11.04	7.72	0.00
22.60	10.87	7.56	0.14	25.20	11.04	7.72	0.00
22.65	10.88	7.56	0.14	25.25	11.04	7.72	0.00
22.70	10.88	7.57	0.14	25.30	11.04	7.72	0.00
22.75	10.89	7.57	0.14	25.35	11.04	7.72	0.00
22.80	10.89	7.58	0.14	25.40	11.04	7.72	0.00
22.85	10.90	7.58	0.14	25.45	11.04	7.72	0.00
22.90	10.91	7.59	0.14	25.50	11.04	7.72	0.00
22.95	10.91	7.60	0.14	25.55	11.04	7.72	0.00
23.00	10.92	7.60	0.14	25.60	11.04	7.72	0.00
23.05	10.93	7.61	0.14	25.65	11.04	7.72	0.00
23.10	10.93	7.61	0.14	25.70	11.04	7.72	0.00
23.15	10.94	7.62	0.14	25.75	11.04	7.72	0.00
23.20	10.94	7.63	0.14	25.80	11.04	7.72	0.00
23.25	10.95	7.63	0.13	25.85	11.04	7.72	0.00
23.30	10.96	7.64	0.13	25.90	11.04	7.72	0.00
23.35	10.96	7.64	0.13	25.95	11.04	7.72	0.00

Hydrograph for Subcatchment 49P: PDA-49 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	7.72	0.00	28.60	11.04	7.72	0.00
26.05	11.04	7.72	0.00	28.65	11.04	7.72	0.00
26.10	11.04	7.72	0.00	28.70	11.04	7.72	0.00
26.15	11.04	7.72	0.00	28.75	11.04	7.72	0.00
26.20	11.04	7.72	0.00	28.80	11.04	7.72	0.00
26.25	11.04	7.72	0.00	28.85	11.04	7.72	0.00
26.30	11.04	7.72	0.00	28.90	11.04	7.72	0.00
26.35	11.04	7.72	0.00	28.95	11.04	7.72	0.00
26.40	11.04	7.72	0.00	29.00	11.04	7.72	0.00
26.45	11.04	7.72	0.00	29.05	11.04	7.72	0.00
26.50	11.04	7.72	0.00	29.10	11.04	7.72	0.00
26.55	11.04	7.72	0.00	29.15	11.04	7.72	0.00
26.60	11.04	7.72	0.00	29.20	11.04	7.72	0.00
26.65	11.04	7.72	0.00	29.25	11.04	7.72	0.00
26.70	11.04	7.72	0.00	29.30	11.04	7.72	0.00
26.75	11.04	7.72	0.00	29.35	11.04	7.72	0.00
26.80	11.04	7.72	0.00	29.40	11.04	7.72	0.00
26.85	11.04	7.72	0.00	29.45	11.04	7.72	0.00
26.90	11.04	7.72	0.00	29.50	11.04	7.72	0.00
26.95	11.04	7.72	0.00	29.55	11.04	7.72	0.00
27.00	11.04	7.72	0.00	29.60	11.04	7.72	0.00
27.05	11.04	7.72	0.00	29.65	11.04	7.72	0.00
27.10	11.04	7.72	0.00	29.70	11.04	7.72	0.00
27.15	11.04	7.72	0.00	29.75	11.04	7.72	0.00
27.20	11.04	7.72	0.00	29.80	11.04	7.72	0.00
27.25	11.04	7.72	0.00	29.85	11.04	7.72	0.00
27.30	11.04	7.72	0.00	29.90	11.04	7.72	0.00
27.35	11.04	7.72	0.00	29.95	11.04	7.72	0.00
27.40	11.04	7.72	0.00	30.00	11.04	7.72	0.00
27.45	11.04	7.72	0.00	30.05	11.04	7.72	0.00
27.50	11.04	7.72	0.00	30.10	11.04	7.72	0.00
27.55	11.04	7.72	0.00	30.15	11.04	7.72	0.00
27.60	11.04	7.72	0.00	30.20	11.04	7.72	0.00
27.65	11.04	7.72	0.00	30.25	11.04	7.72	0.00
27.70	11.04	7.72	0.00	30.30	11.04	7.72	0.00
27.75	11.04	7.72	0.00	30.35	11.04	7.72	0.00
27.80	11.04	7.72	0.00	30.40	11.04	7.72	0.00
27.85	11.04	7.72	0.00	30.45	11.04	7.72	0.00
27.90	11.04	7.72	0.00	30.50	11.04	7.72	0.00
27.95	11.04	7.72	0.00	30.55	11.04	7.72	0.00
28.00	11.04	7.72	0.00	30.60	11.04	7.72	0.00
28.05	11.04	7.72	0.00	30.65	11.04	7.72	0.00
28.10	11.04	7.72	0.00	30.70	11.04	7.72	0.00
28.15	11.04	7.72	0.00	30.75	11.04	7.72	0.00
28.20	11.04	7.72	0.00	30.80	11.04	7.72	0.00
28.25	11.04	7.72	0.00	30.85	11.04	7.72	0.00
28.30	11.04	7.72	0.00	30.90	11.04	7.72	0.00
28.35	11.04	7.72	0.00	30.95	11.04	7.72	0.00
28.40	11.04	7.72	0.00	31.00	11.04	7.72	0.00
28.45	11.04	7.72	0.00	31.05	11.04	7.72	0.00
28.50	11.04	7.72	0.00	31.10	11.04	7.72	0.00
28.55	11.04	7.72	0.00	31.15	11.04	7.72	0.00

Hydrograph for Subcatchment 49P: PDA-49 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	7.72	0.00	33.80	11.04	7.72	0.00
31.25	11.04	7.72	0.00	33.85	11.04	7.72	0.00
31.30	11.04	7.72	0.00	33.90	11.04	7.72	0.00
31.35	11.04	7.72	0.00	33.95	11.04	7.72	0.00
31.40	11.04	7.72	0.00	34.00	11.04	7.72	0.00
31.45	11.04	7.72	0.00	34.05	11.04	7.72	0.00
31.50	11.04	7.72	0.00	34.10	11.04	7.72	0.00
31.55	11.04	7.72	0.00	34.15	11.04	7.72	0.00
31.60	11.04	7.72	0.00	34.20	11.04	7.72	0.00
31.65	11.04	7.72	0.00	34.25	11.04	7.72	0.00
31.70	11.04	7.72	0.00	34.30	11.04	7.72	0.00
31.75	11.04	7.72	0.00	34.35	11.04	7.72	0.00
31.80	11.04	7.72	0.00	34.40	11.04	7.72	0.00
31.85	11.04	7.72	0.00	34.45	11.04	7.72	0.00
31.90	11.04	7.72	0.00	34.50	11.04	7.72	0.00
31.95	11.04	7.72	0.00	34.55	11.04	7.72	0.00
32.00	11.04	7.72	0.00	34.60	11.04	7.72	0.00
32.05	11.04	7.72	0.00	34.65	11.04	7.72	0.00
32.10	11.04	7.72	0.00	34.70	11.04	7.72	0.00
32.15	11.04	7.72	0.00	34.75	11.04	7.72	0.00
32.20	11.04	7.72	0.00	34.80	11.04	7.72	0.00
32.25	11.04	7.72	0.00	34.85	11.04	7.72	0.00
32.30	11.04	7.72	0.00	34.90	11.04	7.72	0.00
32.35	11.04	7.72	0.00	34.95	11.04	7.72	0.00
32.40	11.04	7.72	0.00	35.00	11.04	7.72	0.00
32.45	11.04	7.72	0.00	35.05	11.04	7.72	0.00
32.50	11.04	7.72	0.00	35.10	11.04	7.72	0.00
32.55	11.04	7.72	0.00	35.15	11.04	7.72	0.00
32.60	11.04	7.72	0.00	35.20	11.04	7.72	0.00
32.65	11.04	7.72	0.00	35.25	11.04	7.72	0.00
32.70	11.04	7.72	0.00	35.30	11.04	7.72	0.00
32.75	11.04	7.72	0.00	35.35	11.04	7.72	0.00
32.80	11.04	7.72	0.00	35.40	11.04	7.72	0.00
32.85	11.04	7.72	0.00	35.45	11.04	7.72	0.00
32.90	11.04	7.72	0.00	35.50	11.04	7.72	0.00
32.95	11.04	7.72	0.00	35.55	11.04	7.72	0.00
33.00	11.04	7.72	0.00	35.60	11.04	7.72	0.00
33.05	11.04	7.72	0.00	35.65	11.04	7.72	0.00
33.10	11.04	7.72	0.00	35.70	11.04	7.72	0.00
33.15	11.04	7.72	0.00	35.75	11.04	7.72	0.00
33.20	11.04	7.72	0.00	35.80	11.04	7.72	0.00
33.25	11.04	7.72	0.00	35.85	11.04	7.72	0.00
33.30	11.04	7.72	0.00	35.90	11.04	7.72	0.00
33.35	11.04	7.72	0.00	35.95	11.04	7.72	0.00
33.40	11.04	7.72	0.00	36.00	11.04	7.72	0.00
33.45	11.04	7.72	0.00	36.05	11.04	7.72	0.00
33.50	11.04	7.72	0.00	36.10	11.04	7.72	0.00
33.55	11.04	7.72	0.00	36.15	11.04	7.72	0.00
33.60	11.04	7.72	0.00	36.20	11.04	7.72	0.00
33.65	11.04	7.72	0.00	36.25	11.04	7.72	0.00
33.70	11.04	7.72	0.00	36.30	11.04	7.72	0.00
33.75	11.04	7.72	0.00	36.35	11.04	7.72	0.00

Hydrograph for Subcatchment 49P: PDA-49 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	7.72	0.00
36.45	11.04	7.72	0.00
36.50	11.04	7.72	0.00
36.55	11.04	7.72	0.00
36.60	11.04	7.72	0.00
36.65	11.04	7.72	0.00
36.70	11.04	7.72	0.00
36.75	11.04	7.72	0.00
36.80	11.04	7.72	0.00
36.85	11.04	7.72	0.00
36.90	11.04	7.72	0.00
36.95	11.04	7.72	0.00
37.00	11.04	7.72	0.00
37.05	11.04	7.72	0.00
37.10	11.04	7.72	0.00
37.15	11.04	7.72	0.00
37.20	11.04	7.72	0.00
37.25	11.04	7.72	0.00
37.30	11.04	7.72	0.00
37.35	11.04	7.72	0.00
37.40	11.04	7.72	0.00
37.45	11.04	7.72	0.00
37.50	11.04	7.72	0.00
37.55	11.04	7.72	0.00
37.60	11.04	7.72	0.00
37.65	11.04	7.72	0.00
37.70	11.04	7.72	0.00
37.75	11.04	7.72	0.00
37.80	11.04	7.72	0.00
37.85	11.04	7.72	0.00
37.90	11.04	7.72	0.00
37.95	11.04	7.72	0.00
38.00	11.04	7.72	0.00
38.05	11.04	7.72	0.00
38.10	11.04	7.72	0.00
38.15	11.04	7.72	0.00
38.20	11.04	7.72	0.00
38.25	11.04	7.72	0.00
38.30	11.04	7.72	0.00
38.35	11.04	7.72	0.00
38.40	11.04	7.72	0.00
38.45	11.04	7.72	0.00
38.50	11.04	7.72	0.00
38.55	11.04	7.72	0.00
38.60	11.04	7.72	0.00
38.65	11.04	7.72	0.00
38.70	11.04	7.72	0.00
38.75	11.04	7.72	0.00
38.80	11.04	7.72	0.00
38.85	11.04	7.72	0.00
38.90	11.04	7.72	0.00
38.95	11.04	7.72	0.00
39.00	11.04	7.72	0.00
39.05	11.04	7.72	0.00
39.10	11.04	7.72	0.00
39.15	11.04	7.72	0.00
39.20	11.04	7.72	0.00
39.25	11.04	7.72	0.00
39.30	11.04	7.72	0.00
39.35	11.04	7.72	0.00
39.40	11.04	7.72	0.00
39.45	11.04	7.72	0.00
39.50	11.04	7.72	0.00
39.55	11.04	7.72	0.00
39.60	11.04	7.72	0.00
39.65	11.04	7.72	0.00
39.70	11.04	7.72	0.00
39.75	11.04	7.72	0.00
39.80	11.04	7.72	0.00
39.85	11.04	7.72	0.00
39.90	11.04	7.72	0.00
39.95	11.04	7.72	0.00
40.00	11.04	7.72	0.00

Summary for Subcatchment 50l: PDA-50 (impervious)

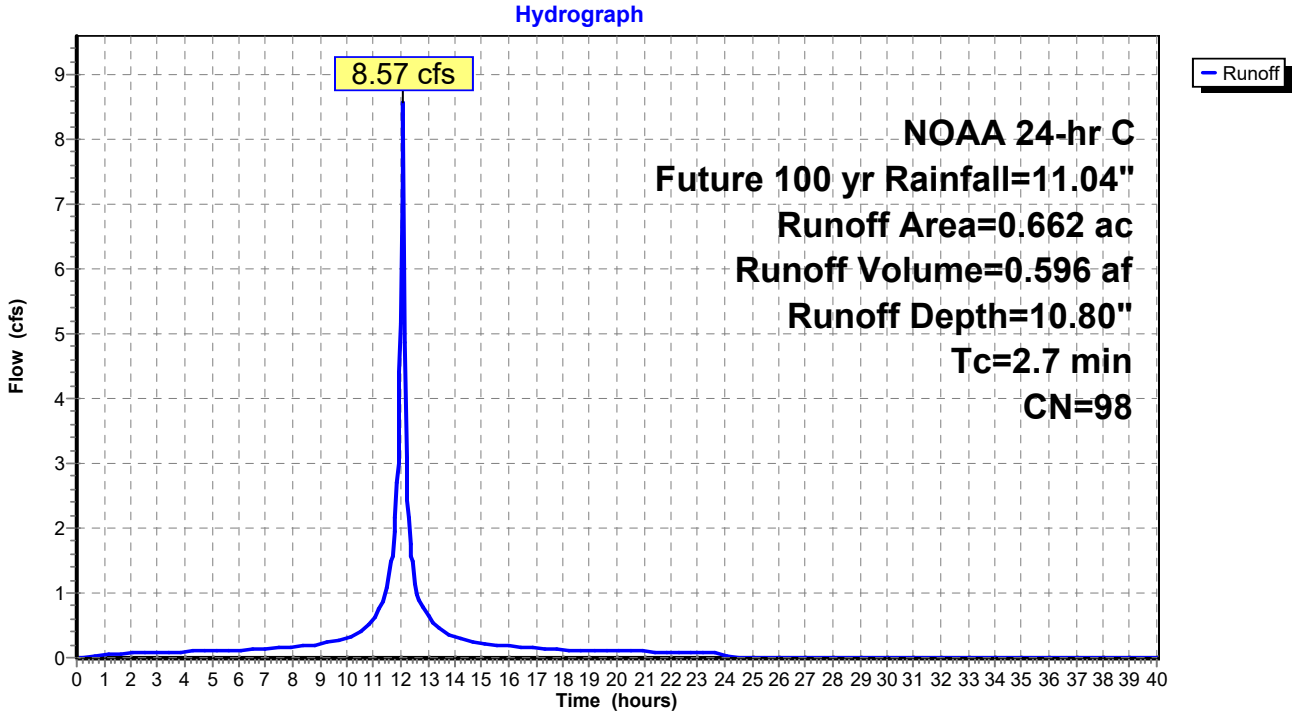
Runoff = 8.57 cfs @ 12.09 hrs, Volume= 0.596 af, Depth=10.80"
Routed to Pond B-50 : Basin #50

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

	Area (ac)	CN	Description
*	0.291	98	Pavement, HSG C
*	0.325	98	Roof, HSG C
*	0.046	98	Concrete, HSG C
	0.662	98	Weighted Average
	0.662		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.7					**Direct Entry,**

Subcatchment 50l: PDA-50 (impervious)



Hydrograph for Subcatchment 50I: PDA-50 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.17	0.08
0.05	0.01	0.00	0.00	2.65	0.34	0.18	0.08
0.10	0.01	0.00	0.00	2.70	0.35	0.18	0.08
0.15	0.02	0.00	0.00	2.75	0.35	0.19	0.08
0.20	0.03	0.00	0.00	2.80	0.36	0.20	0.08
0.25	0.03	0.00	0.00	2.85	0.37	0.20	0.08
0.30	0.04	0.00	0.00	2.90	0.38	0.21	0.08
0.35	0.04	0.00	0.00	2.95	0.38	0.21	0.08
0.40	0.05	0.00	0.00	3.00	0.39	0.22	0.08
0.45	0.05	0.00	0.01	3.05	0.40	0.23	0.08
0.50	0.06	0.00	0.01	3.10	0.40	0.23	0.08
0.55	0.07	0.00	0.01	3.15	0.41	0.24	0.09
0.60	0.07	0.00	0.02	3.20	0.42	0.25	0.09
0.65	0.08	0.01	0.02	3.25	0.43	0.25	0.09
0.70	0.08	0.01	0.02	3.30	0.43	0.26	0.09
0.75	0.09	0.01	0.03	3.35	0.44	0.27	0.09
0.80	0.10	0.01	0.03	3.40	0.45	0.27	0.09
0.85	0.10	0.01	0.03	3.45	0.46	0.28	0.09
0.90	0.11	0.02	0.03	3.50	0.46	0.29	0.09
0.95	0.11	0.02	0.04	3.55	0.47	0.29	0.09
1.00	0.12	0.02	0.04	3.60	0.48	0.30	0.09
1.05	0.13	0.03	0.04	3.65	0.49	0.31	0.09
1.10	0.13	0.03	0.04	3.70	0.49	0.31	0.09
1.15	0.14	0.03	0.04	3.75	0.50	0.32	0.09
1.20	0.15	0.04	0.05	3.80	0.51	0.33	0.09
1.25	0.15	0.04	0.05	3.85	0.52	0.33	0.09
1.30	0.16	0.04	0.05	3.90	0.52	0.34	0.09
1.35	0.16	0.05	0.05	3.95	0.53	0.35	0.09
1.40	0.17	0.05	0.05	4.00	0.54	0.35	0.10
1.45	0.18	0.05	0.05	4.05	0.55	0.36	0.10
1.50	0.18	0.06	0.06	4.10	0.56	0.37	0.10
1.55	0.19	0.06	0.06	4.15	0.56	0.38	0.10
1.60	0.20	0.07	0.06	4.20	0.57	0.38	0.10
1.65	0.20	0.07	0.06	4.25	0.58	0.39	0.10
1.70	0.21	0.08	0.06	4.30	0.59	0.40	0.10
1.75	0.22	0.08	0.06	4.35	0.60	0.41	0.10
1.80	0.22	0.09	0.06	4.40	0.60	0.41	0.10
1.85	0.23	0.09	0.06	4.45	0.61	0.42	0.10
1.90	0.24	0.10	0.07	4.50	0.62	0.43	0.10
1.95	0.24	0.10	0.07	4.55	0.63	0.44	0.10
2.00	0.25	0.11	0.07	4.60	0.64	0.44	0.10
2.05	0.26	0.11	0.07	4.65	0.64	0.45	0.10
2.10	0.26	0.12	0.07	4.70	0.65	0.46	0.10
2.15	0.27	0.12	0.07	4.75	0.66	0.47	0.10
2.20	0.28	0.13	0.07	4.80	0.67	0.47	0.10
2.25	0.28	0.13	0.07	4.85	0.68	0.48	0.10
2.30	0.29	0.14	0.07	4.90	0.69	0.49	0.10
2.35	0.30	0.14	0.07	4.95	0.69	0.50	0.10
2.40	0.30	0.15	0.07	5.00	0.70	0.51	0.10
2.45	0.31	0.15	0.08	5.05	0.71	0.51	0.11
2.50	0.32	0.16	0.08	5.10	0.72	0.52	0.11
2.55	0.33	0.17	0.08	5.15	0.73	0.53	0.11

Hydrograph for Subcatchment 50I: PDA-50 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.54	0.11	7.80	1.27	1.05	0.17
5.25	0.74	0.55	0.11	7.85	1.28	1.07	0.17
5.30	0.75	0.55	0.11	7.90	1.30	1.08	0.17
5.35	0.76	0.56	0.11	7.95	1.31	1.09	0.17
5.40	0.77	0.57	0.11	8.00	1.32	1.11	0.17
5.45	0.78	0.58	0.11	8.05	1.34	1.12	0.18
5.50	0.79	0.59	0.11	8.10	1.35	1.13	0.18
5.55	0.80	0.59	0.11	8.15	1.36	1.15	0.18
5.60	0.80	0.60	0.11	8.20	1.38	1.16	0.18
5.65	0.81	0.61	0.11	8.25	1.39	1.17	0.18
5.70	0.82	0.62	0.11	8.30	1.40	1.19	0.18
5.75	0.83	0.63	0.11	8.35	1.42	1.20	0.18
5.80	0.84	0.64	0.11	8.40	1.43	1.21	0.19
5.85	0.85	0.64	0.11	8.45	1.45	1.23	0.19
5.90	0.86	0.65	0.11	8.50	1.46	1.24	0.19
5.95	0.87	0.66	0.11	8.55	1.48	1.26	0.19
6.00	0.87	0.67	0.11	8.60	1.49	1.27	0.19
6.05	0.88	0.68	0.12	8.65	1.51	1.29	0.19
6.10	0.89	0.69	0.12	8.70	1.52	1.30	0.20
6.15	0.90	0.70	0.12	8.75	1.54	1.32	0.20
6.20	0.91	0.71	0.12	8.80	1.55	1.33	0.20
6.25	0.92	0.71	0.12	8.85	1.57	1.35	0.20
6.30	0.93	0.72	0.12	8.90	1.58	1.36	0.20
6.35	0.94	0.73	0.12	8.95	1.60	1.38	0.20
6.40	0.95	0.74	0.13	9.00	1.61	1.39	0.20
6.45	0.96	0.75	0.13	9.05	1.63	1.41	0.21
6.50	0.97	0.76	0.13	9.10	1.64	1.42	0.21
6.55	0.98	0.77	0.13	9.15	1.66	1.44	0.22
6.60	0.99	0.78	0.13	9.20	1.68	1.46	0.23
6.65	1.00	0.79	0.13	9.25	1.70	1.47	0.23
6.70	1.01	0.80	0.14	9.30	1.72	1.49	0.24
6.75	1.02	0.81	0.14	9.35	1.73	1.51	0.24
6.80	1.03	0.82	0.14	9.40	1.75	1.53	0.25
6.85	1.04	0.83	0.14	9.45	1.77	1.55	0.25
6.90	1.05	0.84	0.14	9.50	1.79	1.57	0.26
6.95	1.07	0.85	0.14	9.55	1.81	1.59	0.27
7.00	1.08	0.87	0.14	9.60	1.83	1.61	0.27
7.05	1.09	0.88	0.15	9.65	1.85	1.63	0.28
7.10	1.10	0.89	0.15	9.70	1.88	1.65	0.28
7.15	1.11	0.90	0.15	9.75	1.90	1.67	0.29
7.20	1.12	0.91	0.15	9.80	1.92	1.69	0.29
7.25	1.13	0.92	0.15	9.85	1.94	1.72	0.30
7.30	1.15	0.93	0.15	9.90	1.97	1.74	0.30
7.35	1.16	0.94	0.15	9.95	1.99	1.76	0.31
7.40	1.17	0.96	0.16	10.00	2.01	1.79	0.31
7.45	1.18	0.97	0.16	10.05	2.04	1.81	0.32
7.50	1.19	0.98	0.16	10.10	2.06	1.84	0.33
7.55	1.21	0.99	0.16	10.15	2.09	1.86	0.33
7.60	1.22	1.00	0.16	10.20	2.11	1.89	0.34
7.65	1.23	1.02	0.16	10.25	2.14	1.91	0.34
7.70	1.24	1.03	0.17	10.30	2.17	1.94	0.35
7.75	1.26	1.04	0.17	10.35	2.19	1.97	0.35

Hydrograph for Subcatchment 50I: PDA-50 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	1.99	0.36	13.00	8.39	8.15	0.66
10.45	2.25	2.02	0.37	13.05	8.43	8.19	0.61
10.50	2.28	2.05	0.37	13.10	8.48	8.24	0.58
10.55	2.31	2.08	0.40	13.15	8.52	8.28	0.56
10.60	2.34	2.11	0.41	13.20	8.56	8.32	0.54
10.65	2.37	2.14	0.44	13.25	8.60	8.36	0.51
10.70	2.41	2.18	0.45	13.30	8.63	8.39	0.50
10.75	2.44	2.21	0.48	13.35	8.67	8.43	0.47
10.80	2.48	2.25	0.50	13.40	8.70	8.46	0.46
10.85	2.52	2.29	0.52	13.45	8.73	8.49	0.43
10.90	2.56	2.33	0.54	13.50	8.76	8.52	0.41
10.95	2.61	2.38	0.57	13.55	8.79	8.55	0.39
11.00	2.65	2.42	0.58	13.60	8.82	8.58	0.37
11.05	2.70	2.47	0.63	13.65	8.85	8.61	0.36
11.10	2.75	2.52	0.66	13.70	8.87	8.63	0.36
11.15	2.80	2.57	0.71	13.75	8.90	8.66	0.35
11.20	2.86	2.63	0.74	13.80	8.93	8.69	0.35
11.25	2.92	2.69	0.79	13.85	8.95	8.71	0.34
11.30	2.98	2.75	0.82	13.90	8.98	8.74	0.34
11.35	3.05	2.82	0.87	13.95	9.00	8.76	0.33
11.40	3.12	2.89	0.90	14.00	9.03	8.79	0.33
11.45	3.19	2.96	0.94	14.05	9.05	8.81	0.32
11.50	3.26	3.03	0.97	14.10	9.07	8.83	0.32
11.55	3.37	3.14	1.31	14.15	9.10	8.86	0.31
11.60	3.49	3.25	1.48	14.20	9.12	8.88	0.31
11.65	3.60	3.37	1.54	14.25	9.14	8.90	0.30
11.70	3.72	3.49	1.57	14.30	9.16	8.92	0.29
11.75	3.88	3.65	1.95	14.35	9.19	8.95	0.29
11.80	4.04	3.81	2.15	14.40	9.21	8.97	0.28
11.85	4.27	4.03	2.70	14.45	9.23	8.99	0.28
11.90	4.49	4.25	3.01	14.50	9.25	9.01	0.27
11.95	4.88	4.64	4.42	14.55	9.27	9.03	0.27
12.00	5.26	5.02	5.17	14.60	9.29	9.05	0.26
12.05	5.91	5.67	7.44	14.65	9.31	9.07	0.25
12.10	6.55	6.31	**8.39**	14.70	9.32	9.08	0.25
12.15	6.77	6.53	4.86	14.75	9.34	9.10	0.24
12.20	7.00	6.76	3.09	14.80	9.36	9.12	0.24
12.25	7.16	6.92	2.43	14.85	9.38	9.14	0.23
12.30	7.32	7.08	2.15	14.90	9.40	9.15	0.23
12.35	7.44	7.20	1.76	14.95	9.41	9.17	0.22
12.40	7.55	7.31	1.58	15.00	9.43	9.19	0.22
12.45	7.67	7.43	1.52	15.05	9.44	9.20	0.21
12.50	7.78	7.54	1.48	15.10	9.46	9.22	0.21
12.55	7.85	7.61	1.14	15.15	9.47	9.23	0.20
12.60	7.92	7.68	0.97	15.20	9.49	9.25	0.20
12.65	7.99	7.75	0.92	15.25	9.50	9.26	0.20
12.70	8.06	7.82	0.90	15.30	9.52	9.28	0.20
12.75	8.12	7.88	0.85	15.35	9.53	9.29	0.20
12.80	8.18	7.94	0.82	15.40	9.55	9.31	0.20
12.85	8.24	8.00	0.77	15.45	9.56	9.32	0.20
12.90	8.29	8.05	0.74	15.50	9.58	9.34	0.19
12.95	8.34	8.10	0.69	15.55	9.59	9.35	0.19

Hydrograph for Subcatchment 50I: PDA-50 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	9.37	0.19	18.20	10.20	9.96	0.12
15.65	9.62	9.38	0.19	18.25	10.21	9.97	0.12
15.70	9.64	9.39	0.19	18.30	10.22	9.98	0.12
15.75	9.65	9.41	0.19	18.35	10.23	9.99	0.12
15.80	9.66	9.42	0.19	18.40	10.24	9.99	0.12
15.85	9.68	9.44	0.18	18.45	10.24	10.00	0.12
15.90	9.69	9.45	0.18	18.50	10.25	10.01	0.12
15.95	9.70	9.46	0.18	18.55	10.26	10.02	0.12
16.00	9.72	9.48	0.18	18.60	10.27	10.03	0.11
16.05	9.73	9.49	0.18	18.65	10.28	10.04	0.11
16.10	9.74	9.50	0.18	18.70	10.29	10.05	0.11
16.15	9.76	9.52	0.18	18.75	10.30	10.05	0.11
16.20	9.77	9.53	0.17	18.80	10.30	10.06	0.11
16.25	9.78	9.54	0.17	18.85	10.31	10.07	0.11
16.30	9.80	9.55	0.17	18.90	10.32	10.08	0.11
16.35	9.81	9.57	0.17	18.95	10.33	10.09	0.11
16.40	9.82	9.58	0.17	19.00	10.34	10.10	0.11
16.45	9.83	9.59	0.17	19.05	10.35	10.11	0.11
16.50	9.85	9.60	0.17	19.10	10.35	10.11	0.11
16.55	9.86	9.62	0.16	19.15	10.36	10.12	0.11
16.60	9.87	9.63	0.16	19.20	10.37	10.13	0.11
16.65	9.88	9.64	0.16	19.25	10.38	10.14	0.11
16.70	9.89	9.65	0.16	19.30	10.39	10.15	0.11
16.75	9.91	9.66	0.16	19.35	10.40	10.15	0.11
16.80	9.92	9.68	0.16	19.40	10.40	10.16	0.11
16.85	9.93	9.69	0.15	19.45	10.41	10.17	0.11
16.90	9.94	9.70	0.15	19.50	10.42	10.18	0.11
16.95	9.95	9.71	0.15	19.55	10.43	10.19	0.11
17.00	9.96	9.72	0.15	19.60	10.44	10.20	0.11
17.05	9.97	9.73	0.15	19.65	10.44	10.20	0.11
17.10	9.99	9.74	0.15	19.70	10.45	10.21	0.11
17.15	10.00	9.76	0.15	19.75	10.46	10.22	0.11
17.20	10.01	9.77	0.15	19.80	10.47	10.23	0.11
17.25	10.02	9.78	0.14	19.85	10.48	10.24	0.11
17.30	10.03	9.79	0.14	19.90	10.48	10.24	0.11
17.35	10.04	9.80	0.14	19.95	10.49	10.25	0.10
17.40	10.05	9.81	0.14	20.00	10.50	10.26	0.10
17.45	10.06	9.82	0.14	20.05	10.51	10.27	0.10
17.50	10.07	9.83	0.14	20.10	10.52	10.27	0.10
17.55	10.08	9.84	0.13	20.15	10.52	10.28	0.10
17.60	10.09	9.85	0.13	20.20	10.53	10.29	0.10
17.65	10.10	9.86	0.13	20.25	10.54	10.30	0.10
17.70	10.11	9.87	0.13	20.30	10.55	10.31	0.10
17.75	10.12	9.88	0.13	20.35	10.55	10.31	0.10
17.80	10.13	9.89	0.13	20.40	10.56	10.32	0.10
17.85	10.14	9.90	0.13	20.45	10.57	10.33	0.10
17.90	10.15	9.91	0.12	20.50	10.58	10.34	0.10
17.95	10.16	9.92	0.12	20.55	10.58	10.34	0.10
18.00	10.17	9.92	0.12	20.60	10.59	10.35	0.10
18.05	10.17	9.93	0.12	20.65	10.60	10.36	0.10
18.10	10.18	9.94	0.12	20.70	10.61	10.37	0.10
18.15	10.19	9.95	0.12	20.75	10.61	10.37	0.10

Hydrograph for Subcatchment 50I: PDA-50 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	10.38	0.10	23.40	10.97	10.73	0.08
20.85	10.63	10.39	0.10	23.45	10.97	10.73	0.08
20.90	10.64	10.39	0.10	23.50	10.98	10.74	0.08
20.95	10.64	10.40	0.10	23.55	10.99	10.74	0.08
21.00	10.65	10.41	0.10	23.60	10.99	10.75	0.08
21.05	10.66	10.42	0.10	23.65	11.00	10.76	0.08
21.10	10.66	10.42	0.10	23.70	11.00	10.76	0.08
21.15	10.67	10.43	0.10	23.75	11.01	10.77	0.08
21.20	10.68	10.44	0.10	23.80	11.01	10.77	0.08
21.25	10.69	10.45	0.10	23.85	11.02	10.78	0.08
21.30	10.69	10.45	0.10	23.90	11.03	10.78	0.08
21.35	10.70	10.46	0.09	23.95	11.03	10.79	0.09
21.40	10.71	10.47	0.09	24.00	**11.04**	**10.80**	0.09
21.45	10.71	10.47	0.09	24.05	11.04	10.80	0.03
21.50	10.72	10.48	0.09	24.10	11.04	10.80	0.00
21.55	10.73	10.49	0.09	24.15	11.04	10.80	0.00
21.60	10.74	10.49	0.09	24.20	11.04	10.80	0.00
21.65	10.74	10.50	0.09	24.25	11.04	10.80	0.00
21.70	10.75	10.51	0.09	24.30	11.04	10.80	0.00
21.75	10.76	10.52	0.09	24.35	11.04	10.80	0.00
21.80	10.76	10.52	0.09	24.40	11.04	10.80	0.00
21.85	10.77	10.53	0.09	24.45	11.04	10.80	0.00
21.90	10.78	10.54	0.09	24.50	11.04	10.80	0.00
21.95	10.78	10.54	0.09	24.55	11.04	10.80	0.00
22.00	10.79	10.55	0.09	24.60	11.04	10.80	0.00
22.05	10.80	10.56	0.09	24.65	11.04	10.80	0.00
22.10	10.80	10.56	0.09	24.70	11.04	10.80	0.00
22.15	10.81	10.57	0.09	24.75	11.04	10.80	0.00
22.20	10.82	10.58	0.09	24.80	11.04	10.80	0.00
22.25	10.82	10.58	0.09	24.85	11.04	10.80	0.00
22.30	10.83	10.59	0.09	24.90	11.04	10.80	0.00
22.35	10.84	10.60	0.09	24.95	11.04	10.80	0.00
22.40	10.84	10.60	0.09	25.00	11.04	10.80	0.00
22.45	10.85	10.61	0.09	25.05	11.04	10.80	0.00
22.50	10.86	10.62	0.09	25.10	11.04	10.80	0.00
22.55	10.86	10.62	0.09	25.15	11.04	10.80	0.00
22.60	10.87	10.63	0.09	25.20	11.04	10.80	0.00
22.65	10.88	10.63	0.09	25.25	11.04	10.80	0.00
22.70	10.88	10.64	0.08	25.30	11.04	10.80	0.00
22.75	10.89	10.65	0.08	25.35	11.04	10.80	0.00
22.80	10.89	10.65	0.08	25.40	11.04	10.80	0.00
22.85	10.90	10.66	0.08	25.45	11.04	10.80	0.00
22.90	10.91	10.67	0.08	25.50	11.04	10.80	0.00
22.95	10.91	10.67	0.08	25.55	11.04	10.80	0.00
23.00	10.92	10.68	0.08	25.60	11.04	10.80	0.00
23.05	10.93	10.68	0.08	25.65	11.04	10.80	0.00
23.10	10.93	10.69	0.08	25.70	11.04	10.80	0.00
23.15	10.94	10.70	0.08	25.75	11.04	10.80	0.00
23.20	10.94	10.70	0.08	25.80	11.04	10.80	0.00
23.25	10.95	10.71	0.08	25.85	11.04	10.80	0.00
23.30	10.96	10.71	0.08	25.90	11.04	10.80	0.00
23.35	10.96	10.72	0.08	25.95	11.04	10.80	0.00

Hydrograph for Subcatchment 50I: PDA-50 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	10.80	0.00	28.60	11.04	10.80	0.00
26.05	11.04	10.80	0.00	28.65	11.04	10.80	0.00
26.10	11.04	10.80	0.00	28.70	11.04	10.80	0.00
26.15	11.04	10.80	0.00	28.75	11.04	10.80	0.00
26.20	11.04	10.80	0.00	28.80	11.04	10.80	0.00
26.25	11.04	10.80	0.00	28.85	11.04	10.80	0.00
26.30	11.04	10.80	0.00	28.90	11.04	10.80	0.00
26.35	11.04	10.80	0.00	28.95	11.04	10.80	0.00
26.40	11.04	10.80	0.00	29.00	11.04	10.80	0.00
26.45	11.04	10.80	0.00	29.05	11.04	10.80	0.00
26.50	11.04	10.80	0.00	29.10	11.04	10.80	0.00
26.55	11.04	10.80	0.00	29.15	11.04	10.80	0.00
26.60	11.04	10.80	0.00	29.20	11.04	10.80	0.00
26.65	11.04	10.80	0.00	29.25	11.04	10.80	0.00
26.70	11.04	10.80	0.00	29.30	11.04	10.80	0.00
26.75	11.04	10.80	0.00	29.35	11.04	10.80	0.00
26.80	11.04	10.80	0.00	29.40	11.04	10.80	0.00
26.85	11.04	10.80	0.00	29.45	11.04	10.80	0.00
26.90	11.04	10.80	0.00	29.50	11.04	10.80	0.00
26.95	11.04	10.80	0.00	29.55	11.04	10.80	0.00
27.00	11.04	10.80	0.00	29.60	11.04	10.80	0.00
27.05	11.04	10.80	0.00	29.65	11.04	10.80	0.00
27.10	11.04	10.80	0.00	29.70	11.04	10.80	0.00
27.15	11.04	10.80	0.00	29.75	11.04	10.80	0.00
27.20	11.04	10.80	0.00	29.80	11.04	10.80	0.00
27.25	11.04	10.80	0.00	29.85	11.04	10.80	0.00
27.30	11.04	10.80	0.00	29.90	11.04	10.80	0.00
27.35	11.04	10.80	0.00	29.95	11.04	10.80	0.00
27.40	11.04	10.80	0.00	30.00	11.04	10.80	0.00
27.45	11.04	10.80	0.00	30.05	11.04	10.80	0.00
27.50	11.04	10.80	0.00	30.10	11.04	10.80	0.00
27.55	11.04	10.80	0.00	30.15	11.04	10.80	0.00
27.60	11.04	10.80	0.00	30.20	11.04	10.80	0.00
27.65	11.04	10.80	0.00	30.25	11.04	10.80	0.00
27.70	11.04	10.80	0.00	30.30	11.04	10.80	0.00
27.75	11.04	10.80	0.00	30.35	11.04	10.80	0.00
27.80	11.04	10.80	0.00	30.40	11.04	10.80	0.00
27.85	11.04	10.80	0.00	30.45	11.04	10.80	0.00
27.90	11.04	10.80	0.00	30.50	11.04	10.80	0.00
27.95	11.04	10.80	0.00	30.55	11.04	10.80	0.00
28.00	11.04	10.80	0.00	30.60	11.04	10.80	0.00
28.05	11.04	10.80	0.00	30.65	11.04	10.80	0.00
28.10	11.04	10.80	0.00	30.70	11.04	10.80	0.00
28.15	11.04	10.80	0.00	30.75	11.04	10.80	0.00
28.20	11.04	10.80	0.00	30.80	11.04	10.80	0.00
28.25	11.04	10.80	0.00	30.85	11.04	10.80	0.00
28.30	11.04	10.80	0.00	30.90	11.04	10.80	0.00
28.35	11.04	10.80	0.00	30.95	11.04	10.80	0.00
28.40	11.04	10.80	0.00	31.00	11.04	10.80	0.00
28.45	11.04	10.80	0.00	31.05	11.04	10.80	0.00
28.50	11.04	10.80	0.00	31.10	11.04	10.80	0.00
28.55	11.04	10.80	0.00	31.15	11.04	10.80	0.00

Hydrograph for Subcatchment 50I: PDA-50 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	10.80	0.00	33.80	11.04	10.80	0.00
31.25	11.04	10.80	0.00	33.85	11.04	10.80	0.00
31.30	11.04	10.80	0.00	33.90	11.04	10.80	0.00
31.35	11.04	10.80	0.00	33.95	11.04	10.80	0.00
31.40	11.04	10.80	0.00	34.00	11.04	10.80	0.00
31.45	11.04	10.80	0.00	34.05	11.04	10.80	0.00
31.50	11.04	10.80	0.00	34.10	11.04	10.80	0.00
31.55	11.04	10.80	0.00	34.15	11.04	10.80	0.00
31.60	11.04	10.80	0.00	34.20	11.04	10.80	0.00
31.65	11.04	10.80	0.00	34.25	11.04	10.80	0.00
31.70	11.04	10.80	0.00	34.30	11.04	10.80	0.00
31.75	11.04	10.80	0.00	34.35	11.04	10.80	0.00
31.80	11.04	10.80	0.00	34.40	11.04	10.80	0.00
31.85	11.04	10.80	0.00	34.45	11.04	10.80	0.00
31.90	11.04	10.80	0.00	34.50	11.04	10.80	0.00
31.95	11.04	10.80	0.00	34.55	11.04	10.80	0.00
32.00	11.04	10.80	0.00	34.60	11.04	10.80	0.00
32.05	11.04	10.80	0.00	34.65	11.04	10.80	0.00
32.10	11.04	10.80	0.00	34.70	11.04	10.80	0.00
32.15	11.04	10.80	0.00	34.75	11.04	10.80	0.00
32.20	11.04	10.80	0.00	34.80	11.04	10.80	0.00
32.25	11.04	10.80	0.00	34.85	11.04	10.80	0.00
32.30	11.04	10.80	0.00	34.90	11.04	10.80	0.00
32.35	11.04	10.80	0.00	34.95	11.04	10.80	0.00
32.40	11.04	10.80	0.00	35.00	11.04	10.80	0.00
32.45	11.04	10.80	0.00	35.05	11.04	10.80	0.00
32.50	11.04	10.80	0.00	35.10	11.04	10.80	0.00
32.55	11.04	10.80	0.00	35.15	11.04	10.80	0.00
32.60	11.04	10.80	0.00	35.20	11.04	10.80	0.00
32.65	11.04	10.80	0.00	35.25	11.04	10.80	0.00
32.70	11.04	10.80	0.00	35.30	11.04	10.80	0.00
32.75	11.04	10.80	0.00	35.35	11.04	10.80	0.00
32.80	11.04	10.80	0.00	35.40	11.04	10.80	0.00
32.85	11.04	10.80	0.00	35.45	11.04	10.80	0.00
32.90	11.04	10.80	0.00	35.50	11.04	10.80	0.00
32.95	11.04	10.80	0.00	35.55	11.04	10.80	0.00
33.00	11.04	10.80	0.00	35.60	11.04	10.80	0.00
33.05	11.04	10.80	0.00	35.65	11.04	10.80	0.00
33.10	11.04	10.80	0.00	35.70	11.04	10.80	0.00
33.15	11.04	10.80	0.00	35.75	11.04	10.80	0.00
33.20	11.04	10.80	0.00	35.80	11.04	10.80	0.00
33.25	11.04	10.80	0.00	35.85	11.04	10.80	0.00
33.30	11.04	10.80	0.00	35.90	11.04	10.80	0.00
33.35	11.04	10.80	0.00	35.95	11.04	10.80	0.00
33.40	11.04	10.80	0.00	36.00	11.04	10.80	0.00
33.45	11.04	10.80	0.00	36.05	11.04	10.80	0.00
33.50	11.04	10.80	0.00	36.10	11.04	10.80	0.00
33.55	11.04	10.80	0.00	36.15	11.04	10.80	0.00
33.60	11.04	10.80	0.00	36.20	11.04	10.80	0.00
33.65	11.04	10.80	0.00	36.25	11.04	10.80	0.00
33.70	11.04	10.80	0.00	36.30	11.04	10.80	0.00
33.75	11.04	10.80	0.00	36.35	11.04	10.80	0.00

Hydrograph for Subcatchment 50I: PDA-50 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	10.80	0.00
36.45	11.04	10.80	0.00
36.50	11.04	10.80	0.00
36.55	11.04	10.80	0.00
36.60	11.04	10.80	0.00
36.65	11.04	10.80	0.00
36.70	11.04	10.80	0.00
36.75	11.04	10.80	0.00
36.80	11.04	10.80	0.00
36.85	11.04	10.80	0.00
36.90	11.04	10.80	0.00
36.95	11.04	10.80	0.00
37.00	11.04	10.80	0.00
37.05	11.04	10.80	0.00
37.10	11.04	10.80	0.00
37.15	11.04	10.80	0.00
37.20	11.04	10.80	0.00
37.25	11.04	10.80	0.00
37.30	11.04	10.80	0.00
37.35	11.04	10.80	0.00
37.40	11.04	10.80	0.00
37.45	11.04	10.80	0.00
37.50	11.04	10.80	0.00
37.55	11.04	10.80	0.00
37.60	11.04	10.80	0.00
37.65	11.04	10.80	0.00
37.70	11.04	10.80	0.00
37.75	11.04	10.80	0.00
37.80	11.04	10.80	0.00
37.85	11.04	10.80	0.00
37.90	11.04	10.80	0.00
37.95	11.04	10.80	0.00
38.00	11.04	10.80	0.00
38.05	11.04	10.80	0.00
38.10	11.04	10.80	0.00
38.15	11.04	10.80	0.00
38.20	11.04	10.80	0.00
38.25	11.04	10.80	0.00
38.30	11.04	10.80	0.00
38.35	11.04	10.80	0.00
38.40	11.04	10.80	0.00
38.45	11.04	10.80	0.00
38.50	11.04	10.80	0.00
38.55	11.04	10.80	0.00
38.60	11.04	10.80	0.00
38.65	11.04	10.80	0.00
38.70	11.04	10.80	0.00
38.75	11.04	10.80	0.00
38.80	11.04	10.80	0.00
38.85	11.04	10.80	0.00
38.90	11.04	10.80	0.00
38.95	11.04	10.80	0.00
39.00	11.04	10.80	0.00
39.05	11.04	10.80	0.00
39.10	11.04	10.80	0.00
39.15	11.04	10.80	0.00
39.20	11.04	10.80	0.00
39.25	11.04	10.80	0.00
39.30	11.04	10.80	0.00
39.35	11.04	10.80	0.00
39.40	11.04	10.80	0.00
39.45	11.04	10.80	0.00
39.50	11.04	10.80	0.00
39.55	11.04	10.80	0.00
39.60	11.04	10.80	0.00
39.65	11.04	10.80	0.00
39.70	11.04	10.80	0.00
39.75	11.04	10.80	0.00
39.80	11.04	10.80	0.00
39.85	11.04	10.80	0.00
39.90	11.04	10.80	0.00
39.95	11.04	10.80	0.00
40.00	11.04	10.80	0.00

Summary for Subcatchment 50P: PDA-50 (pervious)

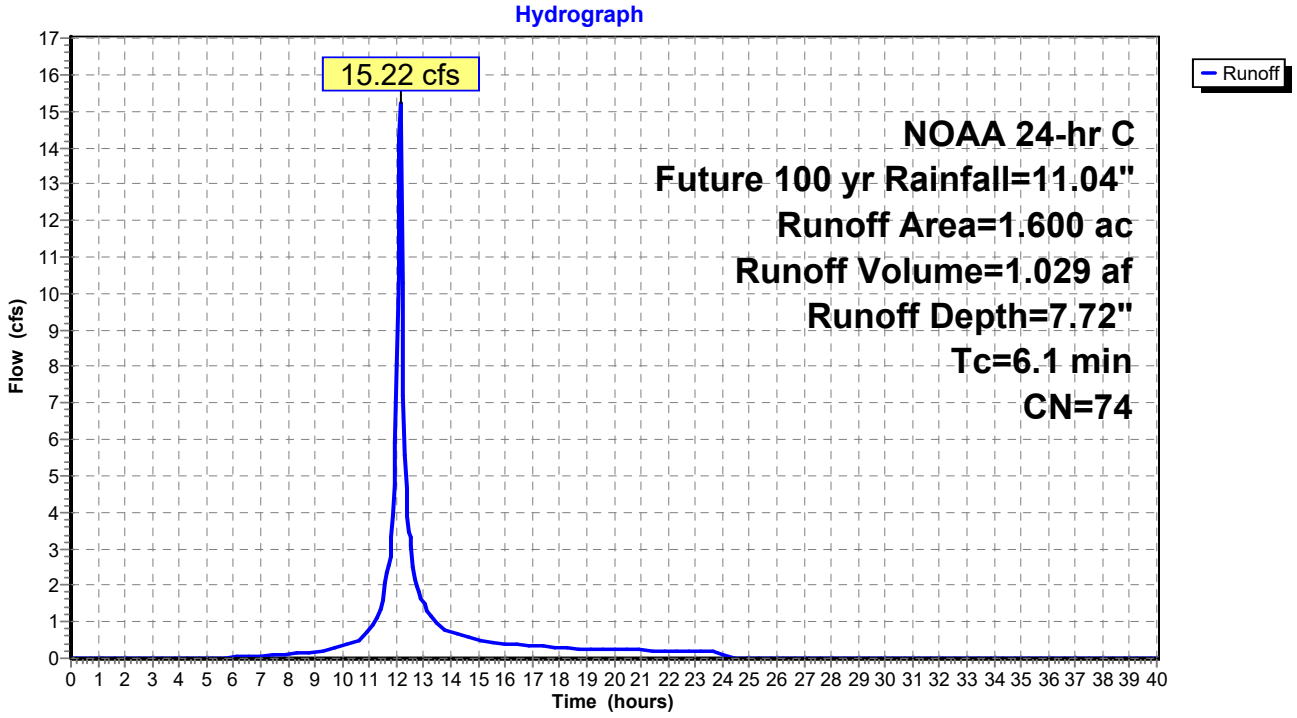
Runoff = 15.22 cfs @ 12.13 hrs, Volume= 1.029 af, Depth= 7.72"
Routed to Pond B-50 : Basin #50

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

Area (ac)	CN	Description
1.600	74	>75% Grass cover, Good, HSG C
1.600		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.1					**Direct Entry,**

Subcatchment 50P: PDA-50 (pervious)



Hydrograph for Subcatchment 50P: PDA-50 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.34	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.35	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.35	0.00	0.00
0.20	0.03	0.00	0.00	2.80	0.36	0.00	0.00
0.25	0.03	0.00	0.00	2.85	0.37	0.00	0.00
0.30	0.04	0.00	0.00	2.90	0.38	0.00	0.00
0.35	0.04	0.00	0.00	2.95	0.38	0.00	0.00
0.40	0.05	0.00	0.00	3.00	0.39	0.00	0.00
0.45	0.05	0.00	0.00	3.05	0.40	0.00	0.00
0.50	0.06	0.00	0.00	3.10	0.40	0.00	0.00
0.55	0.07	0.00	0.00	3.15	0.41	0.00	0.00
0.60	0.07	0.00	0.00	3.20	0.42	0.00	0.00
0.65	0.08	0.00	0.00	3.25	0.43	0.00	0.00
0.70	0.08	0.00	0.00	3.30	0.43	0.00	0.00
0.75	0.09	0.00	0.00	3.35	0.44	0.00	0.00
0.80	0.10	0.00	0.00	3.40	0.45	0.00	0.00
0.85	0.10	0.00	0.00	3.45	0.46	0.00	0.00
0.90	0.11	0.00	0.00	3.50	0.46	0.00	0.00
0.95	0.11	0.00	0.00	3.55	0.47	0.00	0.00
1.00	0.12	0.00	0.00	3.60	0.48	0.00	0.00
1.05	0.13	0.00	0.00	3.65	0.49	0.00	0.00
1.10	0.13	0.00	0.00	3.70	0.49	0.00	0.00
1.15	0.14	0.00	0.00	3.75	0.50	0.00	0.00
1.20	0.15	0.00	0.00	3.80	0.51	0.00	0.00
1.25	0.15	0.00	0.00	3.85	0.52	0.00	0.00
1.30	0.16	0.00	0.00	3.90	0.52	0.00	0.00
1.35	0.16	0.00	0.00	3.95	0.53	0.00	0.00
1.40	0.17	0.00	0.00	4.00	0.54	0.00	0.00
1.45	0.18	0.00	0.00	4.05	0.55	0.00	0.00
1.50	0.18	0.00	0.00	4.10	0.56	0.00	0.00
1.55	0.19	0.00	0.00	4.15	0.56	0.00	0.00
1.60	0.20	0.00	0.00	4.20	0.57	0.00	0.00
1.65	0.20	0.00	0.00	4.25	0.58	0.00	0.00
1.70	0.21	0.00	0.00	4.30	0.59	0.00	0.00
1.75	0.22	0.00	0.00	4.35	0.60	0.00	0.00
1.80	0.22	0.00	0.00	4.40	0.60	0.00	0.00
1.85	0.23	0.00	0.00	4.45	0.61	0.00	0.00
1.90	0.24	0.00	0.00	4.50	0.62	0.00	0.00
1.95	0.24	0.00	0.00	4.55	0.63	0.00	0.00
2.00	0.25	0.00	0.00	4.60	0.64	0.00	0.00
2.05	0.26	0.00	0.00	4.65	0.64	0.00	0.00
2.10	0.26	0.00	0.00	4.70	0.65	0.00	0.00
2.15	0.27	0.00	0.00	4.75	0.66	0.00	0.00
2.20	0.28	0.00	0.00	4.80	0.67	0.00	0.00
2.25	0.28	0.00	0.00	4.85	0.68	0.00	0.00
2.30	0.29	0.00	0.00	4.90	0.69	0.00	0.00
2.35	0.30	0.00	0.00	4.95	0.69	0.00	0.00
2.40	0.30	0.00	0.00	5.00	0.70	0.00	0.00
2.45	0.31	0.00	0.00	5.05	0.71	0.00	0.00
2.50	0.32	0.00	0.00	5.10	0.72	0.00	0.00
2.55	0.33	0.00	0.00	5.15	0.73	0.00	0.00

Hydrograph for Subcatchment 50P: PDA-50 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.00	0.00	7.80	1.27	0.08	0.10
5.25	0.74	0.00	0.00	7.85	1.28	0.08	0.11
5.30	0.75	0.00	0.01	7.90	1.30	0.09	0.11
5.35	0.76	0.00	0.01	7.95	1.31	0.09	0.11
5.40	0.77	0.00	0.01	8.00	1.32	0.09	0.11
5.45	0.78	0.00	0.01	8.05	1.34	0.10	0.12
5.50	0.79	0.00	0.01	8.10	1.35	0.10	0.12
5.55	0.80	0.00	0.01	8.15	1.36	0.10	0.12
5.60	0.80	0.00	0.01	8.20	1.38	0.11	0.13
5.65	0.81	0.00	0.01	8.25	1.39	0.11	0.13
5.70	0.82	0.00	0.02	8.30	1.40	0.12	0.13
5.75	0.83	0.00	0.02	8.35	1.42	0.12	0.14
5.80	0.84	0.01	0.02	8.40	1.43	0.13	0.14
5.85	0.85	0.01	0.02	8.45	1.45	0.13	0.14
5.90	0.86	0.01	0.02	8.50	1.46	0.13	0.15
5.95	0.87	0.01	0.02	8.55	1.48	0.14	0.15
6.00	0.87	0.01	0.02	8.60	1.49	0.14	0.15
6.05	0.88	0.01	0.03	8.65	1.51	0.15	0.15
6.10	0.89	0.01	0.03	8.70	1.52	0.15	0.16
6.15	0.90	0.01	0.03	8.75	1.54	0.16	0.16
6.20	0.91	0.01	0.03	8.80	1.55	0.16	0.17
6.25	0.92	0.01	0.03	8.85	1.57	0.17	0.17
6.30	0.93	0.01	0.03	8.90	1.58	0.18	0.17
6.35	0.94	0.02	0.04	8.95	1.60	0.18	0.18
6.40	0.95	0.02	0.04	9.00	1.61	0.19	0.18
6.45	0.96	0.02	0.04	9.05	1.63	0.19	0.18
6.50	0.97	0.02	0.04	9.10	1.64	0.20	0.19
6.55	0.98	0.02	0.04	9.15	1.66	0.21	0.20
6.60	0.99	0.02	0.04	9.20	1.68	0.21	0.21
6.65	1.00	0.02	0.05	9.25	1.70	0.22	0.21
6.70	1.01	0.02	0.05	9.30	1.72	0.23	0.22
6.75	1.02	0.03	0.05	9.35	1.73	0.23	0.23
6.80	1.03	0.03	0.05	9.40	1.75	0.24	0.24
6.85	1.04	0.03	0.05	9.45	1.77	0.25	0.24
6.90	1.05	0.03	0.06	9.50	1.79	0.26	0.25
6.95	1.07	0.03	0.06	9.55	1.81	0.27	0.26
7.00	1.08	0.04	0.06	9.60	1.83	0.28	0.27
7.05	1.09	0.04	0.06	9.65	1.85	0.28	0.28
7.10	1.10	0.04	0.07	9.70	1.88	0.29	0.29
7.15	1.11	0.04	0.07	9.75	1.90	0.30	0.30
7.20	1.12	0.04	0.07	9.80	1.92	0.31	0.31
7.25	1.13	0.05	0.07	9.85	1.94	0.32	0.32
7.30	1.15	0.05	0.08	9.90	1.97	0.33	0.33
7.35	1.16	0.05	0.08	9.95	1.99	0.34	0.34
7.40	1.17	0.05	0.08	10.00	2.01	0.36	0.35
7.45	1.18	0.06	0.08	10.05	2.04	0.37	0.36
7.50	1.19	0.06	0.09	10.10	2.06	0.38	0.37
7.55	1.21	0.06	0.09	10.15	2.09	0.39	0.38
7.60	1.22	0.07	0.09	10.20	2.11	0.40	0.39
7.65	1.23	0.07	0.09	10.25	2.14	0.42	0.40
7.70	1.24	0.07	0.10	10.30	2.17	0.43	0.41
7.75	1.26	0.08	0.10	10.35	2.19	0.44	0.42

Hydrograph for Subcatchment 50P: PDA-50 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	0.46	0.43	13.00	8.39	5.28	1.51
10.45	2.25	0.47	0.44	13.05	8.43	5.32	1.44
10.50	2.28	0.49	0.46	13.10	8.48	5.36	1.34
10.55	2.31	0.50	0.47	13.15	8.52	5.39	1.28
10.60	2.34	0.52	0.50	13.20	8.56	5.43	1.22
10.65	2.37	0.54	0.53	13.25	8.60	5.46	1.18
10.70	2.41	0.56	0.57	13.30	8.63	5.50	1.13
10.75	2.44	0.58	0.60	13.35	8.67	5.53	1.09
10.80	2.48	0.60	0.64	13.40	8.70	5.56	1.04
10.85	2.52	0.62	0.67	13.45	8.73	5.59	1.00
10.90	2.56	0.64	0.71	13.50	8.76	5.61	0.95
10.95	2.61	0.67	0.74	13.55	8.79	5.64	0.91
11.00	2.65	0.69	0.79	13.60	8.82	5.67	0.86
11.05	2.70	0.72	0.83	13.65	8.85	5.69	0.83
11.10	2.75	0.75	0.90	13.70	8.87	5.71	0.81
11.15	2.80	0.79	0.96	13.75	8.90	5.74	0.79
11.20	2.86	0.82	1.03	13.80	8.93	5.76	0.78
11.25	2.92	0.86	1.10	13.85	8.95	5.79	0.77
11.30	2.98	0.90	1.18	13.90	8.98	5.81	0.76
11.35	3.05	0.94	1.25	13.95	9.00	5.83	0.75
11.40	3.12	0.98	1.33	14.00	9.03	5.85	0.73
11.45	3.19	1.03	1.40	14.05	9.05	5.88	0.72
11.50	3.26	1.08	1.47	14.10	9.07	5.90	0.71
11.55	3.37	1.15	1.65	14.15	9.10	5.92	0.70
11.60	3.49	1.23	2.08	14.20	9.12	5.94	0.69
11.65	3.60	1.31	2.37	14.25	9.14	5.96	0.68
11.70	3.72	1.39	2.54	14.30	9.16	5.98	0.66
11.75	3.88	1.51	2.79	14.35	9.19	6.00	0.65
11.80	4.04	1.63	3.33	14.40	9.21	6.02	0.64
11.85	4.27	1.79	3.89	14.45	9.23	6.04	0.63
11.90	4.49	1.96	4.75	14.50	9.25	6.06	0.61
11.95	4.88	2.27	5.89	14.55	9.27	6.07	0.60
12.00	5.26	2.57	8.08	14.60	9.29	6.09	0.59
12.05	5.91	3.11	10.46	14.65	9.31	6.11	0.58
12.10	6.55	3.65	14.28	14.70	9.32	6.13	0.56
12.15	6.77	3.85	**14.83**	14.75	9.34	6.14	0.55
12.20	7.00	4.04	10.29	14.80	9.36	6.16	0.54
12.25	7.16	4.18	7.23	14.85	9.38	6.17	0.53
12.30	7.32	4.32	5.56	14.90	9.40	6.19	0.52
12.35	7.44	4.43	4.67	14.95	9.41	6.21	0.51
12.40	7.55	4.53	3.88	15.00	9.43	6.22	0.49
12.45	7.67	4.63	3.48	15.05	9.44	6.23	0.48
12.50	7.78	4.73	3.30	15.10	9.46	6.25	0.47
12.55	7.85	4.79	3.05	15.15	9.47	6.26	0.46
12.60	7.92	4.86	2.51	15.20	9.49	6.28	0.46
12.65	7.99	4.92	2.18	15.25	9.50	6.29	0.45
12.70	8.06	4.98	2.03	15.30	9.52	6.30	0.45
12.75	8.12	5.03	1.95	15.35	9.53	6.32	0.45
12.80	8.18	5.09	1.85	15.40	9.55	6.33	0.44
12.85	8.24	5.14	1.78	15.45	9.56	6.34	0.44
12.90	8.29	5.19	1.68	15.50	9.58	6.36	0.44
12.95	8.34	5.23	1.61	15.55	9.59	6.37	0.43

Hydrograph for Subcatchment 50P: PDA-50 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	6.38	0.43	18.20	10.20	6.93	0.26
15.65	9.62	6.40	0.43	18.25	10.21	6.94	0.26
15.70	9.64	6.41	0.42	18.30	10.22	6.95	0.26
15.75	9.65	6.42	0.42	18.35	10.23	6.96	0.26
15.80	9.66	6.44	0.42	18.40	10.24	6.97	0.26
15.85	9.68	6.45	0.41	18.45	10.24	6.97	0.26
15.90	9.69	6.46	0.41	18.50	10.25	6.98	0.26
15.95	9.70	6.47	0.41	18.55	10.26	6.99	0.26
16.00	9.72	6.49	0.40	18.60	10.27	7.00	0.26
16.05	9.73	6.50	0.40	18.65	10.28	7.01	0.26
16.10	9.74	6.51	0.40	18.70	10.29	7.01	0.26
16.15	9.76	6.52	0.40	18.75	10.30	7.02	0.26
16.20	9.77	6.54	0.39	18.80	10.30	7.03	0.26
16.25	9.78	6.55	0.39	18.85	10.31	7.04	0.25
16.30	9.80	6.56	0.38	18.90	10.32	7.04	0.25
16.35	9.81	6.57	0.38	18.95	10.33	7.05	0.25
16.40	9.82	6.58	0.38	19.00	10.34	7.06	0.25
16.45	9.83	6.59	0.38	19.05	10.35	7.07	0.25
16.50	9.85	6.60	0.37	19.10	10.35	7.08	0.25
16.55	9.86	6.62	0.37	19.15	10.36	7.08	0.25
16.60	9.87	6.63	0.37	19.20	10.37	7.09	0.25
16.65	9.88	6.64	0.36	19.25	10.38	7.10	0.25
16.70	9.89	6.65	0.36	19.30	10.39	7.11	0.25
16.75	9.91	6.66	0.36	19.35	10.40	7.11	0.25
16.80	9.92	6.67	0.35	19.40	10.40	7.12	0.25
16.85	9.93	6.68	0.35	19.45	10.41	7.13	0.24
16.90	9.94	6.69	0.35	19.50	10.42	7.14	0.24
16.95	9.95	6.70	0.34	19.55	10.43	7.14	0.24
17.00	9.96	6.71	0.34	19.60	10.44	7.15	0.24
17.05	9.97	6.72	0.34	19.65	10.44	7.16	0.24
17.10	9.99	6.73	0.33	19.70	10.45	7.17	0.24
17.15	10.00	6.74	0.33	19.75	10.46	7.17	0.24
17.20	10.01	6.75	0.33	19.80	10.47	7.18	0.24
17.25	10.02	6.76	0.32	19.85	10.48	7.19	0.24
17.30	10.03	6.77	0.32	19.90	10.48	7.20	0.24
17.35	10.04	6.78	0.32	19.95	10.49	7.20	0.24
17.40	10.05	6.79	0.31	20.00	10.50	7.21	0.24
17.45	10.06	6.80	0.31	20.05	10.51	7.22	0.24
17.50	10.07	6.81	0.31	20.10	10.52	7.23	0.23
17.55	10.08	6.82	0.30	20.15	10.52	7.23	0.23
17.60	10.09	6.83	0.30	20.20	10.53	7.24	0.23
17.65	10.10	6.84	0.30	20.25	10.54	7.25	0.23
17.70	10.11	6.85	0.29	20.30	10.55	7.25	0.23
17.75	10.12	6.86	0.29	20.35	10.55	7.26	0.23
17.80	10.13	6.87	0.29	20.40	10.56	7.27	0.23
17.85	10.14	6.87	0.29	20.45	10.57	7.28	0.23
17.90	10.15	6.88	0.28	20.50	10.58	7.28	0.23
17.95	10.16	6.89	0.28	20.55	10.58	7.29	0.23
18.00	10.17	6.90	0.28	20.60	10.59	7.30	0.23
18.05	10.17	6.91	0.27	20.65	10.60	7.30	0.23
18.10	10.18	6.92	0.27	20.70	10.61	7.31	0.23
18.15	10.19	6.92	0.27	20.75	10.61	7.32	0.22

Hydrograph for Subcatchment 50P: PDA-50 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	7.32	0.22	23.40	10.97	7.65	0.18
20.85	10.63	7.33	0.22	23.45	10.97	7.65	0.18
20.90	10.64	7.34	0.22	23.50	10.98	7.66	0.18
20.95	10.64	7.34	0.22	23.55	10.99	7.66	0.18
21.00	10.65	7.35	0.22	23.60	10.99	7.67	0.18
21.05	10.66	7.36	0.22	23.65	11.00	7.67	0.18
21.10	10.66	7.36	0.22	23.70	11.00	7.68	0.18
21.15	10.67	7.37	0.22	23.75	11.01	7.69	0.18
21.20	10.68	7.38	0.22	23.80	11.01	7.69	0.17
21.25	10.69	7.38	0.22	23.85	11.02	7.70	0.17
21.30	10.69	7.39	0.22	23.90	11.03	7.70	0.17
21.35	10.70	7.40	0.22	23.95	11.03	7.71	0.18
21.40	10.71	7.40	0.21	24.00	**11.04**	**7.72**	0.20
21.45	10.71	7.41	0.21	24.05	11.04	7.72	0.18
21.50	10.72	7.42	0.21	24.10	11.04	7.72	0.08
21.55	10.73	7.42	0.21	24.15	11.04	7.72	0.02
21.60	10.74	7.43	0.21	24.20	11.04	7.72	0.01
21.65	10.74	7.44	0.21	24.25	11.04	7.72	0.00
21.70	10.75	7.44	0.21	24.30	11.04	7.72	0.00
21.75	10.76	7.45	0.21	24.35	11.04	7.72	0.00
21.80	10.76	7.46	0.21	24.40	11.04	7.72	0.00
21.85	10.77	7.46	0.21	24.45	11.04	7.72	0.00
21.90	10.78	7.47	0.21	24.50	11.04	7.72	0.00
21.95	10.78	7.48	0.20	24.55	11.04	7.72	0.00
22.00	10.79	7.48	0.20	24.60	11.04	7.72	0.00
22.05	10.80	7.49	0.20	24.65	11.04	7.72	0.00
22.10	10.80	7.49	0.20	24.70	11.04	7.72	0.00
22.15	10.81	7.50	0.20	24.75	11.04	7.72	0.00
22.20	10.82	7.51	0.20	24.80	11.04	7.72	0.00
22.25	10.82	7.51	0.20	24.85	11.04	7.72	0.00
22.30	10.83	7.52	0.20	24.90	11.04	7.72	0.00
22.35	10.84	7.53	0.20	24.95	11.04	7.72	0.00
22.40	10.84	7.53	0.20	25.00	11.04	7.72	0.00
22.45	10.85	7.54	0.20	25.05	11.04	7.72	0.00
22.50	10.86	7.54	0.20	25.10	11.04	7.72	0.00
22.55	10.86	7.55	0.19	25.15	11.04	7.72	0.00
22.60	10.87	7.56	0.19	25.20	11.04	7.72	0.00
22.65	10.88	7.56	0.19	25.25	11.04	7.72	0.00
22.70	10.88	7.57	0.19	25.30	11.04	7.72	0.00
22.75	10.89	7.57	0.19	25.35	11.04	7.72	0.00
22.80	10.89	7.58	0.19	25.40	11.04	7.72	0.00
22.85	10.90	7.58	0.19	25.45	11.04	7.72	0.00
22.90	10.91	7.59	0.19	25.50	11.04	7.72	0.00
22.95	10.91	7.60	0.19	25.55	11.04	7.72	0.00
23.00	10.92	7.60	0.19	25.60	11.04	7.72	0.00
23.05	10.93	7.61	0.19	25.65	11.04	7.72	0.00
23.10	10.93	7.61	0.19	25.70	11.04	7.72	0.00
23.15	10.94	7.62	0.18	25.75	11.04	7.72	0.00
23.20	10.94	7.63	0.18	25.80	11.04	7.72	0.00
23.25	10.95	7.63	0.18	25.85	11.04	7.72	0.00
23.30	10.96	7.64	0.18	25.90	11.04	7.72	0.00
23.35	10.96	7.64	0.18	25.95	11.04	7.72	0.00

Hydrograph for Subcatchment 50P: PDA-50 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	7.72	0.00	28.60	11.04	7.72	0.00
26.05	11.04	7.72	0.00	28.65	11.04	7.72	0.00
26.10	11.04	7.72	0.00	28.70	11.04	7.72	0.00
26.15	11.04	7.72	0.00	28.75	11.04	7.72	0.00
26.20	11.04	7.72	0.00	28.80	11.04	7.72	0.00
26.25	11.04	7.72	0.00	28.85	11.04	7.72	0.00
26.30	11.04	7.72	0.00	28.90	11.04	7.72	0.00
26.35	11.04	7.72	0.00	28.95	11.04	7.72	0.00
26.40	11.04	7.72	0.00	29.00	11.04	7.72	0.00
26.45	11.04	7.72	0.00	29.05	11.04	7.72	0.00
26.50	11.04	7.72	0.00	29.10	11.04	7.72	0.00
26.55	11.04	7.72	0.00	29.15	11.04	7.72	0.00
26.60	11.04	7.72	0.00	29.20	11.04	7.72	0.00
26.65	11.04	7.72	0.00	29.25	11.04	7.72	0.00
26.70	11.04	7.72	0.00	29.30	11.04	7.72	0.00
26.75	11.04	7.72	0.00	29.35	11.04	7.72	0.00
26.80	11.04	7.72	0.00	29.40	11.04	7.72	0.00
26.85	11.04	7.72	0.00	29.45	11.04	7.72	0.00
26.90	11.04	7.72	0.00	29.50	11.04	7.72	0.00
26.95	11.04	7.72	0.00	29.55	11.04	7.72	0.00
27.00	11.04	7.72	0.00	29.60	11.04	7.72	0.00
27.05	11.04	7.72	0.00	29.65	11.04	7.72	0.00
27.10	11.04	7.72	0.00	29.70	11.04	7.72	0.00
27.15	11.04	7.72	0.00	29.75	11.04	7.72	0.00
27.20	11.04	7.72	0.00	29.80	11.04	7.72	0.00
27.25	11.04	7.72	0.00	29.85	11.04	7.72	0.00
27.30	11.04	7.72	0.00	29.90	11.04	7.72	0.00
27.35	11.04	7.72	0.00	29.95	11.04	7.72	0.00
27.40	11.04	7.72	0.00	30.00	11.04	7.72	0.00
27.45	11.04	7.72	0.00	30.05	11.04	7.72	0.00
27.50	11.04	7.72	0.00	30.10	11.04	7.72	0.00
27.55	11.04	7.72	0.00	30.15	11.04	7.72	0.00
27.60	11.04	7.72	0.00	30.20	11.04	7.72	0.00
27.65	11.04	7.72	0.00	30.25	11.04	7.72	0.00
27.70	11.04	7.72	0.00	30.30	11.04	7.72	0.00
27.75	11.04	7.72	0.00	30.35	11.04	7.72	0.00
27.80	11.04	7.72	0.00	30.40	11.04	7.72	0.00
27.85	11.04	7.72	0.00	30.45	11.04	7.72	0.00
27.90	11.04	7.72	0.00	30.50	11.04	7.72	0.00
27.95	11.04	7.72	0.00	30.55	11.04	7.72	0.00
28.00	11.04	7.72	0.00	30.60	11.04	7.72	0.00
28.05	11.04	7.72	0.00	30.65	11.04	7.72	0.00
28.10	11.04	7.72	0.00	30.70	11.04	7.72	0.00
28.15	11.04	7.72	0.00	30.75	11.04	7.72	0.00
28.20	11.04	7.72	0.00	30.80	11.04	7.72	0.00
28.25	11.04	7.72	0.00	30.85	11.04	7.72	0.00
28.30	11.04	7.72	0.00	30.90	11.04	7.72	0.00
28.35	11.04	7.72	0.00	30.95	11.04	7.72	0.00
28.40	11.04	7.72	0.00	31.00	11.04	7.72	0.00
28.45	11.04	7.72	0.00	31.05	11.04	7.72	0.00
28.50	11.04	7.72	0.00	31.10	11.04	7.72	0.00
28.55	11.04	7.72	0.00	31.15	11.04	7.72	0.00

Hydrograph for Subcatchment 50P: PDA-50 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	7.72	0.00	33.80	11.04	7.72	0.00
31.25	11.04	7.72	0.00	33.85	11.04	7.72	0.00
31.30	11.04	7.72	0.00	33.90	11.04	7.72	0.00
31.35	11.04	7.72	0.00	33.95	11.04	7.72	0.00
31.40	11.04	7.72	0.00	34.00	11.04	7.72	0.00
31.45	11.04	7.72	0.00	34.05	11.04	7.72	0.00
31.50	11.04	7.72	0.00	34.10	11.04	7.72	0.00
31.55	11.04	7.72	0.00	34.15	11.04	7.72	0.00
31.60	11.04	7.72	0.00	34.20	11.04	7.72	0.00
31.65	11.04	7.72	0.00	34.25	11.04	7.72	0.00
31.70	11.04	7.72	0.00	34.30	11.04	7.72	0.00
31.75	11.04	7.72	0.00	34.35	11.04	7.72	0.00
31.80	11.04	7.72	0.00	34.40	11.04	7.72	0.00
31.85	11.04	7.72	0.00	34.45	11.04	7.72	0.00
31.90	11.04	7.72	0.00	34.50	11.04	7.72	0.00
31.95	11.04	7.72	0.00	34.55	11.04	7.72	0.00
32.00	11.04	7.72	0.00	34.60	11.04	7.72	0.00
32.05	11.04	7.72	0.00	34.65	11.04	7.72	0.00
32.10	11.04	7.72	0.00	34.70	11.04	7.72	0.00
32.15	11.04	7.72	0.00	34.75	11.04	7.72	0.00
32.20	11.04	7.72	0.00	34.80	11.04	7.72	0.00
32.25	11.04	7.72	0.00	34.85	11.04	7.72	0.00
32.30	11.04	7.72	0.00	34.90	11.04	7.72	0.00
32.35	11.04	7.72	0.00	34.95	11.04	7.72	0.00
32.40	11.04	7.72	0.00	35.00	11.04	7.72	0.00
32.45	11.04	7.72	0.00	35.05	11.04	7.72	0.00
32.50	11.04	7.72	0.00	35.10	11.04	7.72	0.00
32.55	11.04	7.72	0.00	35.15	11.04	7.72	0.00
32.60	11.04	7.72	0.00	35.20	11.04	7.72	0.00
32.65	11.04	7.72	0.00	35.25	11.04	7.72	0.00
32.70	11.04	7.72	0.00	35.30	11.04	7.72	0.00
32.75	11.04	7.72	0.00	35.35	11.04	7.72	0.00
32.80	11.04	7.72	0.00	35.40	11.04	7.72	0.00
32.85	11.04	7.72	0.00	35.45	11.04	7.72	0.00
32.90	11.04	7.72	0.00	35.50	11.04	7.72	0.00
32.95	11.04	7.72	0.00	35.55	11.04	7.72	0.00
33.00	11.04	7.72	0.00	35.60	11.04	7.72	0.00
33.05	11.04	7.72	0.00	35.65	11.04	7.72	0.00
33.10	11.04	7.72	0.00	35.70	11.04	7.72	0.00
33.15	11.04	7.72	0.00	35.75	11.04	7.72	0.00
33.20	11.04	7.72	0.00	35.80	11.04	7.72	0.00
33.25	11.04	7.72	0.00	35.85	11.04	7.72	0.00
33.30	11.04	7.72	0.00	35.90	11.04	7.72	0.00
33.35	11.04	7.72	0.00	35.95	11.04	7.72	0.00
33.40	11.04	7.72	0.00	36.00	11.04	7.72	0.00
33.45	11.04	7.72	0.00	36.05	11.04	7.72	0.00
33.50	11.04	7.72	0.00	36.10	11.04	7.72	0.00
33.55	11.04	7.72	0.00	36.15	11.04	7.72	0.00
33.60	11.04	7.72	0.00	36.20	11.04	7.72	0.00
33.65	11.04	7.72	0.00	36.25	11.04	7.72	0.00
33.70	11.04	7.72	0.00	36.30	11.04	7.72	0.00
33.75	11.04	7.72	0.00	36.35	11.04	7.72	0.00

Hydrograph for Subcatchment 50P: PDA-50 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	7.72	0.00
36.45	11.04	7.72	0.00
36.50	11.04	7.72	0.00
36.55	11.04	7.72	0.00
36.60	11.04	7.72	0.00
36.65	11.04	7.72	0.00
36.70	11.04	7.72	0.00
36.75	11.04	7.72	0.00
36.80	11.04	7.72	0.00
36.85	11.04	7.72	0.00
36.90	11.04	7.72	0.00
36.95	11.04	7.72	0.00
37.00	11.04	7.72	0.00
37.05	11.04	7.72	0.00
37.10	11.04	7.72	0.00
37.15	11.04	7.72	0.00
37.20	11.04	7.72	0.00
37.25	11.04	7.72	0.00
37.30	11.04	7.72	0.00
37.35	11.04	7.72	0.00
37.40	11.04	7.72	0.00
37.45	11.04	7.72	0.00
37.50	11.04	7.72	0.00
37.55	11.04	7.72	0.00
37.60	11.04	7.72	0.00
37.65	11.04	7.72	0.00
37.70	11.04	7.72	0.00
37.75	11.04	7.72	0.00
37.80	11.04	7.72	0.00
37.85	11.04	7.72	0.00
37.90	11.04	7.72	0.00
37.95	11.04	7.72	0.00
38.00	11.04	7.72	0.00
38.05	11.04	7.72	0.00
38.10	11.04	7.72	0.00
38.15	11.04	7.72	0.00
38.20	11.04	7.72	0.00
38.25	11.04	7.72	0.00
38.30	11.04	7.72	0.00
38.35	11.04	7.72	0.00
38.40	11.04	7.72	0.00
38.45	11.04	7.72	0.00
38.50	11.04	7.72	0.00
38.55	11.04	7.72	0.00
38.60	11.04	7.72	0.00
38.65	11.04	7.72	0.00
38.70	11.04	7.72	0.00
38.75	11.04	7.72	0.00
38.80	11.04	7.72	0.00
38.85	11.04	7.72	0.00
38.90	11.04	7.72	0.00
38.95	11.04	7.72	0.00
39.00	11.04	7.72	0.00
39.05	11.04	7.72	0.00
39.10	11.04	7.72	0.00
39.15	11.04	7.72	0.00
39.20	11.04	7.72	0.00
39.25	11.04	7.72	0.00
39.30	11.04	7.72	0.00
39.35	11.04	7.72	0.00
39.40	11.04	7.72	0.00
39.45	11.04	7.72	0.00
39.50	11.04	7.72	0.00
39.55	11.04	7.72	0.00
39.60	11.04	7.72	0.00
39.65	11.04	7.72	0.00
39.70	11.04	7.72	0.00
39.75	11.04	7.72	0.00
39.80	11.04	7.72	0.00
39.85	11.04	7.72	0.00
39.90	11.04	7.72	0.00
39.95	11.04	7.72	0.00
40.00	11.04	7.72	0.00

Summary for Subcatchment UPDA-5: PDA-5 (undetained)

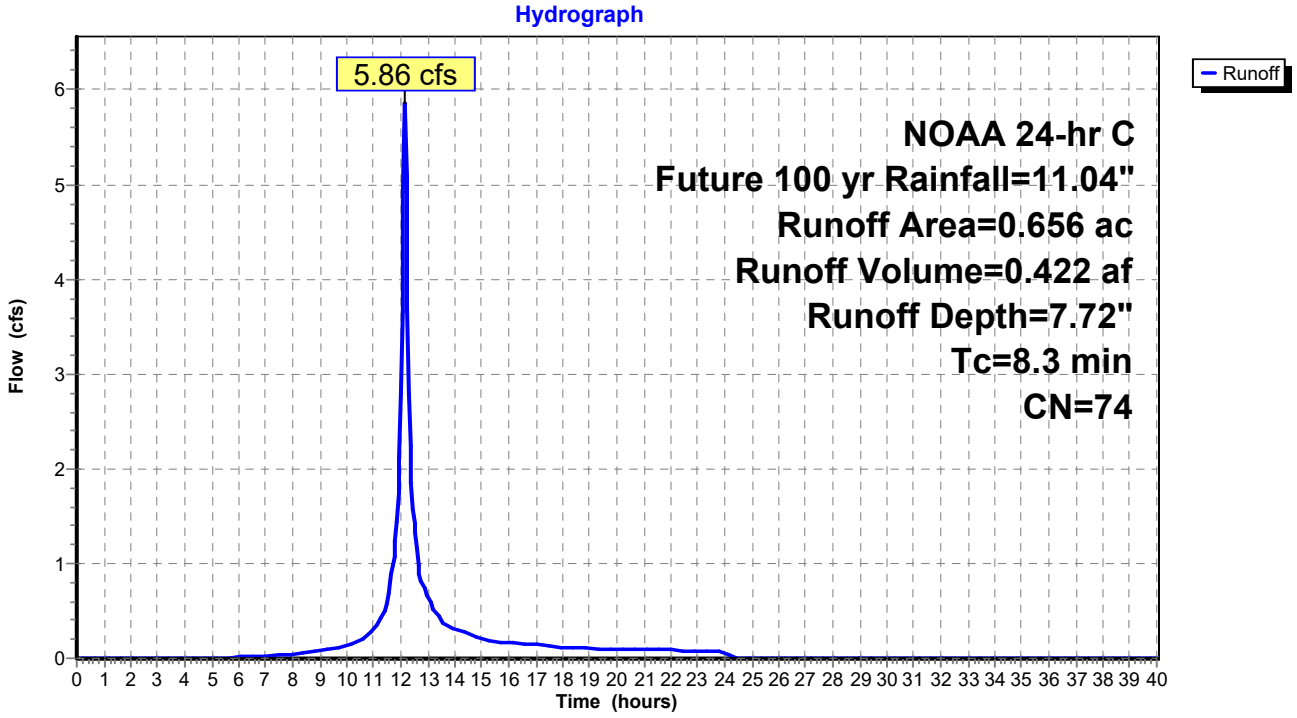
Runoff = 5.86 cfs @ 12.15 hrs, Volume= 0.422 af, Depth= 7.72"
Routed to Link PDA-5 : Proposed Drainage Area #5

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

Area (ac)	CN	Description
0.656	74	>75% Grass cover, Good, HSG C
0.656		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.3					**Direct Entry,**

Subcatchment UPDA-5: PDA-5 (undetained)



Hydrograph for Subcatchment UPDA-5: PDA-5 (undetained)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.34	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.35	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.35	0.00	0.00
0.20	0.03	0.00	0.00	2.80	0.36	0.00	0.00
0.25	0.03	0.00	0.00	2.85	0.37	0.00	0.00
0.30	0.04	0.00	0.00	2.90	0.38	0.00	0.00
0.35	0.04	0.00	0.00	2.95	0.38	0.00	0.00
0.40	0.05	0.00	0.00	3.00	0.39	0.00	0.00
0.45	0.05	0.00	0.00	3.05	0.40	0.00	0.00
0.50	0.06	0.00	0.00	3.10	0.40	0.00	0.00
0.55	0.07	0.00	0.00	3.15	0.41	0.00	0.00
0.60	0.07	0.00	0.00	3.20	0.42	0.00	0.00
0.65	0.08	0.00	0.00	3.25	0.43	0.00	0.00
0.70	0.08	0.00	0.00	3.30	0.43	0.00	0.00
0.75	0.09	0.00	0.00	3.35	0.44	0.00	0.00
0.80	0.10	0.00	0.00	3.40	0.45	0.00	0.00
0.85	0.10	0.00	0.00	3.45	0.46	0.00	0.00
0.90	0.11	0.00	0.00	3.50	0.46	0.00	0.00
0.95	0.11	0.00	0.00	3.55	0.47	0.00	0.00
1.00	0.12	0.00	0.00	3.60	0.48	0.00	0.00
1.05	0.13	0.00	0.00	3.65	0.49	0.00	0.00
1.10	0.13	0.00	0.00	3.70	0.49	0.00	0.00
1.15	0.14	0.00	0.00	3.75	0.50	0.00	0.00
1.20	0.15	0.00	0.00	3.80	0.51	0.00	0.00
1.25	0.15	0.00	0.00	3.85	0.52	0.00	0.00
1.30	0.16	0.00	0.00	3.90	0.52	0.00	0.00
1.35	0.16	0.00	0.00	3.95	0.53	0.00	0.00
1.40	0.17	0.00	0.00	4.00	0.54	0.00	0.00
1.45	0.18	0.00	0.00	4.05	0.55	0.00	0.00
1.50	0.18	0.00	0.00	4.10	0.56	0.00	0.00
1.55	0.19	0.00	0.00	4.15	0.56	0.00	0.00
1.60	0.20	0.00	0.00	4.20	0.57	0.00	0.00
1.65	0.20	0.00	0.00	4.25	0.58	0.00	0.00
1.70	0.21	0.00	0.00	4.30	0.59	0.00	0.00
1.75	0.22	0.00	0.00	4.35	0.60	0.00	0.00
1.80	0.22	0.00	0.00	4.40	0.60	0.00	0.00
1.85	0.23	0.00	0.00	4.45	0.61	0.00	0.00
1.90	0.24	0.00	0.00	4.50	0.62	0.00	0.00
1.95	0.24	0.00	0.00	4.55	0.63	0.00	0.00
2.00	0.25	0.00	0.00	4.60	0.64	0.00	0.00
2.05	0.26	0.00	0.00	4.65	0.64	0.00	0.00
2.10	0.26	0.00	0.00	4.70	0.65	0.00	0.00
2.15	0.27	0.00	0.00	4.75	0.66	0.00	0.00
2.20	0.28	0.00	0.00	4.80	0.67	0.00	0.00
2.25	0.28	0.00	0.00	4.85	0.68	0.00	0.00
2.30	0.29	0.00	0.00	4.90	0.69	0.00	0.00
2.35	0.30	0.00	0.00	4.95	0.69	0.00	0.00
2.40	0.30	0.00	0.00	5.00	0.70	0.00	0.00
2.45	0.31	0.00	0.00	5.05	0.71	0.00	0.00
2.50	0.32	0.00	0.00	5.10	0.72	0.00	0.00
2.55	0.33	0.00	0.00	5.15	0.73	0.00	0.00

Hydrograph for Subcatchment UPDA-5: PDA-5 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.00	0.00	7.80	1.27	0.08	0.04
5.25	0.74	0.00	0.00	7.85	1.28	0.08	0.04
5.30	0.75	0.00	0.00	7.90	1.30	0.09	0.04
5.35	0.76	0.00	0.00	7.95	1.31	0.09	0.04
5.40	0.77	0.00	0.00	8.00	1.32	0.09	0.05
5.45	0.78	0.00	0.00	8.05	1.34	0.10	0.05
5.50	0.79	0.00	0.00	8.10	1.35	0.10	0.05
5.55	0.80	0.00	0.00	8.15	1.36	0.10	0.05
5.60	0.80	0.00	0.00	8.20	1.38	0.11	0.05
5.65	0.81	0.00	0.01	8.25	1.39	0.11	0.05
5.70	0.82	0.00	0.01	8.30	1.40	0.12	0.05
5.75	0.83	0.00	0.01	8.35	1.42	0.12	0.05
5.80	0.84	0.01	0.01	8.40	1.43	0.13	0.06
5.85	0.85	0.01	0.01	8.45	1.45	0.13	0.06
5.90	0.86	0.01	0.01	8.50	1.46	0.13	0.06
5.95	0.87	0.01	0.01	8.55	1.48	0.14	0.06
6.00	0.87	0.01	0.01	8.60	1.49	0.14	0.06
6.05	0.88	0.01	0.01	8.65	1.51	0.15	0.06
6.10	0.89	0.01	0.01	8.70	1.52	0.15	0.06
6.15	0.90	0.01	0.01	8.75	1.54	0.16	0.07
6.20	0.91	0.01	0.01	8.80	1.55	0.16	0.07
6.25	0.92	0.01	0.01	8.85	1.57	0.17	0.07
6.30	0.93	0.01	0.01	8.90	1.58	0.18	0.07
6.35	0.94	0.02	0.01	8.95	1.60	0.18	0.07
6.40	0.95	0.02	0.01	9.00	1.61	0.19	0.07
6.45	0.96	0.02	0.02	9.05	1.63	0.19	0.07
6.50	0.97	0.02	0.02	9.10	1.64	0.20	0.08
6.55	0.98	0.02	0.02	9.15	1.66	0.21	0.08
6.60	0.99	0.02	0.02	9.20	1.68	0.21	0.08
6.65	1.00	0.02	0.02	9.25	1.70	0.22	0.08
6.70	1.01	0.02	0.02	9.30	1.72	0.23	0.09
6.75	1.02	0.03	0.02	9.35	1.73	0.23	0.09
6.80	1.03	0.03	0.02	9.40	1.75	0.24	0.09
6.85	1.04	0.03	0.02	9.45	1.77	0.25	0.10
6.90	1.05	0.03	0.02	9.50	1.79	0.26	0.10
6.95	1.07	0.03	0.02	9.55	1.81	0.27	0.10
7.00	1.08	0.04	0.02	9.60	1.83	0.28	0.11
7.05	1.09	0.04	0.03	9.65	1.85	0.28	0.11
7.10	1.10	0.04	0.03	9.70	1.88	0.29	0.12
7.15	1.11	0.04	0.03	9.75	1.90	0.30	0.12
7.20	1.12	0.04	0.03	9.80	1.92	0.31	0.12
7.25	1.13	0.05	0.03	9.85	1.94	0.32	0.13
7.30	1.15	0.05	0.03	9.90	1.97	0.33	0.13
7.35	1.16	0.05	0.03	9.95	1.99	0.34	0.14
7.40	1.17	0.05	0.03	10.00	2.01	0.36	0.14
7.45	1.18	0.06	0.03	10.05	2.04	0.37	0.14
7.50	1.19	0.06	0.03	10.10	2.06	0.38	0.15
7.55	1.21	0.06	0.04	10.15	2.09	0.39	0.15
7.60	1.22	0.07	0.04	10.20	2.11	0.40	0.16
7.65	1.23	0.07	0.04	10.25	2.14	0.42	0.16
7.70	1.24	0.07	0.04	10.30	2.17	0.43	0.17
7.75	1.26	0.08	0.04	10.35	2.19	0.44	0.17

Hydrograph for Subcatchment UPDA-5: PDA-5 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	0.46	0.17	13.00	8.39	5.28	0.65
10.45	2.25	0.47	0.18	13.05	8.43	5.32	0.61
10.50	2.28	0.49	0.18	13.10	8.48	5.36	0.58
10.55	2.31	0.50	0.19	13.15	8.52	5.39	0.54
10.60	2.34	0.52	0.20	13.20	8.56	5.43	0.52
10.65	2.37	0.54	0.21	13.25	8.60	5.46	0.50
10.70	2.41	0.56	0.22	13.30	8.63	5.50	0.48
10.75	2.44	0.58	0.24	13.35	8.67	5.53	0.46
10.80	2.48	0.60	0.25	13.40	8.70	5.56	0.44
10.85	2.52	0.62	0.27	13.45	8.73	5.59	0.42
10.90	2.56	0.64	0.28	13.50	8.76	5.61	0.40
10.95	2.61	0.67	0.30	13.55	8.79	5.64	0.38
11.00	2.65	0.69	0.31	13.60	8.82	5.67	0.36
11.05	2.70	0.72	0.33	13.65	8.85	5.69	0.35
11.10	2.75	0.75	0.35	13.70	8.87	5.71	0.34
11.15	2.80	0.79	0.38	13.75	8.90	5.74	0.33
11.20	2.86	0.82	0.40	13.80	8.93	5.76	0.32
11.25	2.92	0.86	0.43	13.85	8.95	5.79	0.32
11.30	2.98	0.90	0.46	13.90	8.98	5.81	0.31
11.35	3.05	0.94	0.49	13.95	9.00	5.83	0.31
11.40	3.12	0.98	0.52	14.00	9.03	5.85	0.30
11.45	3.19	1.03	0.55	14.05	9.05	5.88	0.30
11.50	3.26	1.08	0.58	14.10	9.07	5.90	0.29
11.55	3.37	1.15	0.63	14.15	9.10	5.92	0.29
11.60	3.49	1.23	0.75	14.20	9.12	5.94	0.28
11.65	3.60	1.31	0.89	14.25	9.14	5.96	0.28
11.70	3.72	1.39	0.99	14.30	9.16	5.98	0.27
11.75	3.88	1.51	1.07	14.35	9.19	6.00	0.27
11.80	4.04	1.63	1.23	14.40	9.21	6.02	0.26
11.85	4.27	1.79	1.44	14.45	9.23	6.04	0.26
11.90	4.49	1.96	1.73	14.50	9.25	6.06	0.26
11.95	4.88	2.27	2.11	14.55	9.27	6.07	0.25
12.00	5.26	2.57	2.79	14.60	9.29	6.09	0.25
12.05	5.91	3.11	3.66	14.65	9.31	6.11	0.24
12.10	6.55	3.65	4.91	14.70	9.32	6.13	0.24
12.15	6.77	3.85	**5.86**	14.75	9.34	6.14	0.23
12.20	7.00	4.04	5.08	14.80	9.36	6.16	0.23
12.25	7.16	4.18	3.70	14.85	9.38	6.17	0.22
12.30	7.32	4.32	2.79	14.90	9.40	6.19	0.22
12.35	7.44	4.43	2.24	14.95	9.41	6.21	0.21
12.40	7.55	4.53	1.85	15.00	9.43	6.22	0.21
12.45	7.67	4.63	1.58	15.05	9.44	6.23	0.20
12.50	7.78	4.73	1.43	15.10	9.46	6.25	0.20
12.55	7.85	4.79	1.33	15.15	9.47	6.26	0.19
12.60	7.92	4.86	1.16	15.20	9.49	6.28	0.19
12.65	7.99	4.92	0.99	15.25	9.50	6.29	0.19
12.70	8.06	4.98	0.89	15.30	9.52	6.30	0.18
12.75	8.12	5.03	0.83	15.35	9.53	6.32	0.18
12.80	8.18	5.09	0.79	15.40	9.55	6.33	0.18
12.85	8.24	5.14	0.75	15.45	9.56	6.34	0.18
12.90	8.29	5.19	0.72	15.50	9.58	6.36	0.18
12.95	8.34	5.23	0.68	15.55	9.59	6.37	0.18

Hydrograph for Subcatchment UPDA-5: PDA-5 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	6.38	0.18	18.20	10.20	6.93	0.11
15.65	9.62	6.40	0.18	18.25	10.21	6.94	0.11
15.70	9.64	6.41	0.17	18.30	10.22	6.95	0.11
15.75	9.65	6.42	0.17	18.35	10.23	6.96	0.11
15.80	9.66	6.44	0.17	18.40	10.24	6.97	0.11
15.85	9.68	6.45	0.17	18.45	10.24	6.97	0.11
15.90	9.69	6.46	0.17	18.50	10.25	6.98	0.11
15.95	9.70	6.47	0.17	18.55	10.26	6.99	0.11
16.00	9.72	6.49	0.17	18.60	10.27	7.00	0.11
16.05	9.73	6.50	0.17	18.65	10.28	7.01	0.11
16.10	9.74	6.51	0.16	18.70	10.29	7.01	0.11
16.15	9.76	6.52	0.16	18.75	10.30	7.02	0.11
16.20	9.77	6.54	0.16	18.80	10.30	7.03	0.10
16.25	9.78	6.55	0.16	18.85	10.31	7.04	0.10
16.30	9.80	6.56	0.16	18.90	10.32	7.04	0.10
16.35	9.81	6.57	0.16	18.95	10.33	7.05	0.10
16.40	9.82	6.58	0.16	19.00	10.34	7.06	0.10
16.45	9.83	6.59	0.15	19.05	10.35	7.07	0.10
16.50	9.85	6.60	0.15	19.10	10.35	7.08	0.10
16.55	9.86	6.62	0.15	19.15	10.36	7.08	0.10
16.60	9.87	6.63	0.15	19.20	10.37	7.09	0.10
16.65	9.88	6.64	0.15	19.25	10.38	7.10	0.10
16.70	9.89	6.65	0.15	19.30	10.39	7.11	0.10
16.75	9.91	6.66	0.15	19.35	10.40	7.11	0.10
16.80	9.92	6.67	0.15	19.40	10.40	7.12	0.10
16.85	9.93	6.68	0.14	19.45	10.41	7.13	0.10
16.90	9.94	6.69	0.14	19.50	10.42	7.14	0.10
16.95	9.95	6.70	0.14	19.55	10.43	7.14	0.10
17.00	9.96	6.71	0.14	19.60	10.44	7.15	0.10
17.05	9.97	6.72	0.14	19.65	10.44	7.16	0.10
17.10	9.99	6.73	0.14	19.70	10.45	7.17	0.10
17.15	10.00	6.74	0.14	19.75	10.46	7.17	0.10
17.20	10.01	6.75	0.14	19.80	10.47	7.18	0.10
17.25	10.02	6.76	0.13	19.85	10.48	7.19	0.10
17.30	10.03	6.77	0.13	19.90	10.48	7.20	0.10
17.35	10.04	6.78	0.13	19.95	10.49	7.20	0.10
17.40	10.05	6.79	0.13	20.00	10.50	7.21	0.10
17.45	10.06	6.80	0.13	20.05	10.51	7.22	0.10
17.50	10.07	6.81	0.13	20.10	10.52	7.23	0.10
17.55	10.08	6.82	0.13	20.15	10.52	7.23	0.10
17.60	10.09	6.83	0.12	20.20	10.53	7.24	0.10
17.65	10.10	6.84	0.12	20.25	10.54	7.25	0.10
17.70	10.11	6.85	0.12	20.30	10.55	7.25	0.09
17.75	10.12	6.86	0.12	20.35	10.55	7.26	0.09
17.80	10.13	6.87	0.12	20.40	10.56	7.27	0.09
17.85	10.14	6.87	0.12	20.45	10.57	7.28	0.09
17.90	10.15	6.88	0.12	20.50	10.58	7.28	0.09
17.95	10.16	6.89	0.12	20.55	10.58	7.29	0.09
18.00	10.17	6.90	0.11	20.60	10.59	7.30	0.09
18.05	10.17	6.91	0.11	20.65	10.60	7.30	0.09
18.10	10.18	6.92	0.11	20.70	10.61	7.31	0.09
18.15	10.19	6.92	0.11	20.75	10.61	7.32	0.09

Hydrograph for Subcatchment UPDA-5: PDA-5 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	7.32	0.09	23.40	10.97	7.65	0.07
20.85	10.63	7.33	0.09	23.45	10.97	7.65	0.07
20.90	10.64	7.34	0.09	23.50	10.98	7.66	0.07
20.95	10.64	7.34	0.09	23.55	10.99	7.66	0.07
21.00	10.65	7.35	0.09	23.60	10.99	7.67	0.07
21.05	10.66	7.36	0.09	23.65	11.00	7.67	0.07
21.10	10.66	7.36	0.09	23.70	11.00	7.68	0.07
21.15	10.67	7.37	0.09	23.75	11.01	7.69	0.07
21.20	10.68	7.38	0.09	23.80	11.01	7.69	0.07
21.25	10.69	7.38	0.09	23.85	11.02	7.70	0.07
21.30	10.69	7.39	0.09	23.90	11.03	7.70	0.07
21.35	10.70	7.40	0.09	23.95	11.03	7.71	0.07
21.40	10.71	7.40	0.09	24.00	**11.04**	**7.72**	0.08
21.45	10.71	7.41	0.09	24.05	11.04	7.72	0.08
21.50	10.72	7.42	0.09	24.10	11.04	7.72	0.05
21.55	10.73	7.42	0.09	24.15	11.04	7.72	0.02
21.60	10.74	7.43	0.09	24.20	11.04	7.72	0.01
21.65	10.74	7.44	0.09	24.25	11.04	7.72	0.00
21.70	10.75	7.44	0.09	24.30	11.04	7.72	0.00
21.75	10.76	7.45	0.09	24.35	11.04	7.72	0.00
21.80	10.76	7.46	0.09	24.40	11.04	7.72	0.00
21.85	10.77	7.46	0.09	24.45	11.04	7.72	0.00
21.90	10.78	7.47	0.08	24.50	11.04	7.72	0.00
21.95	10.78	7.48	0.08	24.55	11.04	7.72	0.00
22.00	10.79	7.48	0.08	24.60	11.04	7.72	0.00
22.05	10.80	7.49	0.08	24.65	11.04	7.72	0.00
22.10	10.80	7.49	0.08	24.70	11.04	7.72	0.00
22.15	10.81	7.50	0.08	24.75	11.04	7.72	0.00
22.20	10.82	7.51	0.08	24.80	11.04	7.72	0.00
22.25	10.82	7.51	0.08	24.85	11.04	7.72	0.00
22.30	10.83	7.52	0.08	24.90	11.04	7.72	0.00
22.35	10.84	7.53	0.08	24.95	11.04	7.72	0.00
22.40	10.84	7.53	0.08	25.00	11.04	7.72	0.00
22.45	10.85	7.54	0.08	25.05	11.04	7.72	0.00
22.50	10.86	7.54	0.08	25.10	11.04	7.72	0.00
22.55	10.86	7.55	0.08	25.15	11.04	7.72	0.00
22.60	10.87	7.56	0.08	25.20	11.04	7.72	0.00
22.65	10.88	7.56	0.08	25.25	11.04	7.72	0.00
22.70	10.88	7.57	0.08	25.30	11.04	7.72	0.00
22.75	10.89	7.57	0.08	25.35	11.04	7.72	0.00
22.80	10.89	7.58	0.08	25.40	11.04	7.72	0.00
22.85	10.90	7.58	0.08	25.45	11.04	7.72	0.00
22.90	10.91	7.59	0.08	25.50	11.04	7.72	0.00
22.95	10.91	7.60	0.08	25.55	11.04	7.72	0.00
23.00	10.92	7.60	0.08	25.60	11.04	7.72	0.00
23.05	10.93	7.61	0.08	25.65	11.04	7.72	0.00
23.10	10.93	7.61	0.08	25.70	11.04	7.72	0.00
23.15	10.94	7.62	0.08	25.75	11.04	7.72	0.00
23.20	10.94	7.63	0.08	25.80	11.04	7.72	0.00
23.25	10.95	7.63	0.08	25.85	11.04	7.72	0.00
23.30	10.96	7.64	0.07	25.90	11.04	7.72	0.00
23.35	10.96	7.64	0.07	25.95	11.04	7.72	0.00

Hydrograph for Subcatchment UPDA-5: PDA-5 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	7.72	0.00	28.60	11.04	7.72	0.00
26.05	11.04	7.72	0.00	28.65	11.04	7.72	0.00
26.10	11.04	7.72	0.00	28.70	11.04	7.72	0.00
26.15	11.04	7.72	0.00	28.75	11.04	7.72	0.00
26.20	11.04	7.72	0.00	28.80	11.04	7.72	0.00
26.25	11.04	7.72	0.00	28.85	11.04	7.72	0.00
26.30	11.04	7.72	0.00	28.90	11.04	7.72	0.00
26.35	11.04	7.72	0.00	28.95	11.04	7.72	0.00
26.40	11.04	7.72	0.00	29.00	11.04	7.72	0.00
26.45	11.04	7.72	0.00	29.05	11.04	7.72	0.00
26.50	11.04	7.72	0.00	29.10	11.04	7.72	0.00
26.55	11.04	7.72	0.00	29.15	11.04	7.72	0.00
26.60	11.04	7.72	0.00	29.20	11.04	7.72	0.00
26.65	11.04	7.72	0.00	29.25	11.04	7.72	0.00
26.70	11.04	7.72	0.00	29.30	11.04	7.72	0.00
26.75	11.04	7.72	0.00	29.35	11.04	7.72	0.00
26.80	11.04	7.72	0.00	29.40	11.04	7.72	0.00
26.85	11.04	7.72	0.00	29.45	11.04	7.72	0.00
26.90	11.04	7.72	0.00	29.50	11.04	7.72	0.00
26.95	11.04	7.72	0.00	29.55	11.04	7.72	0.00
27.00	11.04	7.72	0.00	29.60	11.04	7.72	0.00
27.05	11.04	7.72	0.00	29.65	11.04	7.72	0.00
27.10	11.04	7.72	0.00	29.70	11.04	7.72	0.00
27.15	11.04	7.72	0.00	29.75	11.04	7.72	0.00
27.20	11.04	7.72	0.00	29.80	11.04	7.72	0.00
27.25	11.04	7.72	0.00	29.85	11.04	7.72	0.00
27.30	11.04	7.72	0.00	29.90	11.04	7.72	0.00
27.35	11.04	7.72	0.00	29.95	11.04	7.72	0.00
27.40	11.04	7.72	0.00	30.00	11.04	7.72	0.00
27.45	11.04	7.72	0.00	30.05	11.04	7.72	0.00
27.50	11.04	7.72	0.00	30.10	11.04	7.72	0.00
27.55	11.04	7.72	0.00	30.15	11.04	7.72	0.00
27.60	11.04	7.72	0.00	30.20	11.04	7.72	0.00
27.65	11.04	7.72	0.00	30.25	11.04	7.72	0.00
27.70	11.04	7.72	0.00	30.30	11.04	7.72	0.00
27.75	11.04	7.72	0.00	30.35	11.04	7.72	0.00
27.80	11.04	7.72	0.00	30.40	11.04	7.72	0.00
27.85	11.04	7.72	0.00	30.45	11.04	7.72	0.00
27.90	11.04	7.72	0.00	30.50	11.04	7.72	0.00
27.95	11.04	7.72	0.00	30.55	11.04	7.72	0.00
28.00	11.04	7.72	0.00	30.60	11.04	7.72	0.00
28.05	11.04	7.72	0.00	30.65	11.04	7.72	0.00
28.10	11.04	7.72	0.00	30.70	11.04	7.72	0.00
28.15	11.04	7.72	0.00	30.75	11.04	7.72	0.00
28.20	11.04	7.72	0.00	30.80	11.04	7.72	0.00
28.25	11.04	7.72	0.00	30.85	11.04	7.72	0.00
28.30	11.04	7.72	0.00	30.90	11.04	7.72	0.00
28.35	11.04	7.72	0.00	30.95	11.04	7.72	0.00
28.40	11.04	7.72	0.00	31.00	11.04	7.72	0.00
28.45	11.04	7.72	0.00	31.05	11.04	7.72	0.00
28.50	11.04	7.72	0.00	31.10	11.04	7.72	0.00
28.55	11.04	7.72	0.00	31.15	11.04	7.72	0.00

Hydrograph for Subcatchment UPDA-5: PDA-5 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	7.72	0.00	33.80	11.04	7.72	0.00
31.25	11.04	7.72	0.00	33.85	11.04	7.72	0.00
31.30	11.04	7.72	0.00	33.90	11.04	7.72	0.00
31.35	11.04	7.72	0.00	33.95	11.04	7.72	0.00
31.40	11.04	7.72	0.00	34.00	11.04	7.72	0.00
31.45	11.04	7.72	0.00	34.05	11.04	7.72	0.00
31.50	11.04	7.72	0.00	34.10	11.04	7.72	0.00
31.55	11.04	7.72	0.00	34.15	11.04	7.72	0.00
31.60	11.04	7.72	0.00	34.20	11.04	7.72	0.00
31.65	11.04	7.72	0.00	34.25	11.04	7.72	0.00
31.70	11.04	7.72	0.00	34.30	11.04	7.72	0.00
31.75	11.04	7.72	0.00	34.35	11.04	7.72	0.00
31.80	11.04	7.72	0.00	34.40	11.04	7.72	0.00
31.85	11.04	7.72	0.00	34.45	11.04	7.72	0.00
31.90	11.04	7.72	0.00	34.50	11.04	7.72	0.00
31.95	11.04	7.72	0.00	34.55	11.04	7.72	0.00
32.00	11.04	7.72	0.00	34.60	11.04	7.72	0.00
32.05	11.04	7.72	0.00	34.65	11.04	7.72	0.00
32.10	11.04	7.72	0.00	34.70	11.04	7.72	0.00
32.15	11.04	7.72	0.00	34.75	11.04	7.72	0.00
32.20	11.04	7.72	0.00	34.80	11.04	7.72	0.00
32.25	11.04	7.72	0.00	34.85	11.04	7.72	0.00
32.30	11.04	7.72	0.00	34.90	11.04	7.72	0.00
32.35	11.04	7.72	0.00	34.95	11.04	7.72	0.00
32.40	11.04	7.72	0.00	35.00	11.04	7.72	0.00
32.45	11.04	7.72	0.00	35.05	11.04	7.72	0.00
32.50	11.04	7.72	0.00	35.10	11.04	7.72	0.00
32.55	11.04	7.72	0.00	35.15	11.04	7.72	0.00
32.60	11.04	7.72	0.00	35.20	11.04	7.72	0.00
32.65	11.04	7.72	0.00	35.25	11.04	7.72	0.00
32.70	11.04	7.72	0.00	35.30	11.04	7.72	0.00
32.75	11.04	7.72	0.00	35.35	11.04	7.72	0.00
32.80	11.04	7.72	0.00	35.40	11.04	7.72	0.00
32.85	11.04	7.72	0.00	35.45	11.04	7.72	0.00
32.90	11.04	7.72	0.00	35.50	11.04	7.72	0.00
32.95	11.04	7.72	0.00	35.55	11.04	7.72	0.00
33.00	11.04	7.72	0.00	35.60	11.04	7.72	0.00
33.05	11.04	7.72	0.00	35.65	11.04	7.72	0.00
33.10	11.04	7.72	0.00	35.70	11.04	7.72	0.00
33.15	11.04	7.72	0.00	35.75	11.04	7.72	0.00
33.20	11.04	7.72	0.00	35.80	11.04	7.72	0.00
33.25	11.04	7.72	0.00	35.85	11.04	7.72	0.00
33.30	11.04	7.72	0.00	35.90	11.04	7.72	0.00
33.35	11.04	7.72	0.00	35.95	11.04	7.72	0.00
33.40	11.04	7.72	0.00	36.00	11.04	7.72	0.00
33.45	11.04	7.72	0.00	36.05	11.04	7.72	0.00
33.50	11.04	7.72	0.00	36.10	11.04	7.72	0.00
33.55	11.04	7.72	0.00	36.15	11.04	7.72	0.00
33.60	11.04	7.72	0.00	36.20	11.04	7.72	0.00
33.65	11.04	7.72	0.00	36.25	11.04	7.72	0.00
33.70	11.04	7.72	0.00	36.30	11.04	7.72	0.00
33.75	11.04	7.72	0.00	36.35	11.04	7.72	0.00

Hydrograph for Subcatchment UPDA-5: PDA-5 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	7.72	0.00
36.45	11.04	7.72	0.00
36.50	11.04	7.72	0.00
36.55	11.04	7.72	0.00
36.60	11.04	7.72	0.00
36.65	11.04	7.72	0.00
36.70	11.04	7.72	0.00
36.75	11.04	7.72	0.00
36.80	11.04	7.72	0.00
36.85	11.04	7.72	0.00
36.90	11.04	7.72	0.00
36.95	11.04	7.72	0.00
37.00	11.04	7.72	0.00
37.05	11.04	7.72	0.00
37.10	11.04	7.72	0.00
37.15	11.04	7.72	0.00
37.20	11.04	7.72	0.00
37.25	11.04	7.72	0.00
37.30	11.04	7.72	0.00
37.35	11.04	7.72	0.00
37.40	11.04	7.72	0.00
37.45	11.04	7.72	0.00
37.50	11.04	7.72	0.00
37.55	11.04	7.72	0.00
37.60	11.04	7.72	0.00
37.65	11.04	7.72	0.00
37.70	11.04	7.72	0.00
37.75	11.04	7.72	0.00
37.80	11.04	7.72	0.00
37.85	11.04	7.72	0.00
37.90	11.04	7.72	0.00
37.95	11.04	7.72	0.00
38.00	11.04	7.72	0.00
38.05	11.04	7.72	0.00
38.10	11.04	7.72	0.00
38.15	11.04	7.72	0.00
38.20	11.04	7.72	0.00
38.25	11.04	7.72	0.00
38.30	11.04	7.72	0.00
38.35	11.04	7.72	0.00
38.40	11.04	7.72	0.00
38.45	11.04	7.72	0.00
38.50	11.04	7.72	0.00
38.55	11.04	7.72	0.00
38.60	11.04	7.72	0.00
38.65	11.04	7.72	0.00
38.70	11.04	7.72	0.00
38.75	11.04	7.72	0.00
38.80	11.04	7.72	0.00
38.85	11.04	7.72	0.00
38.90	11.04	7.72	0.00
38.95	11.04	7.72	0.00
39.00	11.04	7.72	0.00
39.05	11.04	7.72	0.00
39.10	11.04	7.72	0.00
39.15	11.04	7.72	0.00
39.20	11.04	7.72	0.00
39.25	11.04	7.72	0.00
39.30	11.04	7.72	0.00
39.35	11.04	7.72	0.00
39.40	11.04	7.72	0.00
39.45	11.04	7.72	0.00
39.50	11.04	7.72	0.00
39.55	11.04	7.72	0.00
39.60	11.04	7.72	0.00
39.65	11.04	7.72	0.00
39.70	11.04	7.72	0.00
39.75	11.04	7.72	0.00
39.80	11.04	7.72	0.00
39.85	11.04	7.72	0.00
39.90	11.04	7.72	0.00
39.95	11.04	7.72	0.00
40.00	11.04	7.72	0.00

Summary for Pond B-48: Basin #48

Inflow Area = 2.265 ac, 34.26% Impervious, Inflow Depth = 8.77" for Future 100 yr event
Inflow = 19.35 cfs @ 12.11 hrs, Volume= 1.656 af
Outflow = 10.78 cfs @ 12.29 hrs, Volume= 1.405 af, Atten= 44%, Lag= 10.9 min
Primary = 10.78 cfs @ 12.29 hrs, Volume= 1.405 af
Routed to Link PDA-5 : Proposed Drainage Area #5

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 193.89' @ 12.29 hrs Surf.Area= 12,586 sf Storage= 30,919 cf

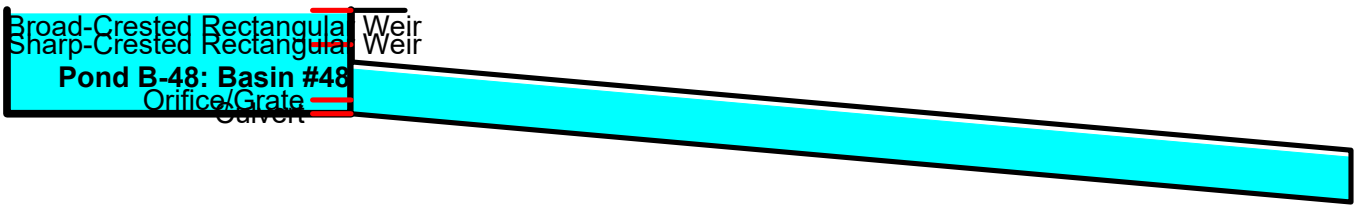
Plug-Flow detention time= 317.8 min calculated for 1.405 af (85% of inflow)
Center-of-Mass det. time= 249.0 min (1,027.9 - 778.9)

Volume	Invert	Avail.Storage	Storage Description
#1	191.00'	32,287 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

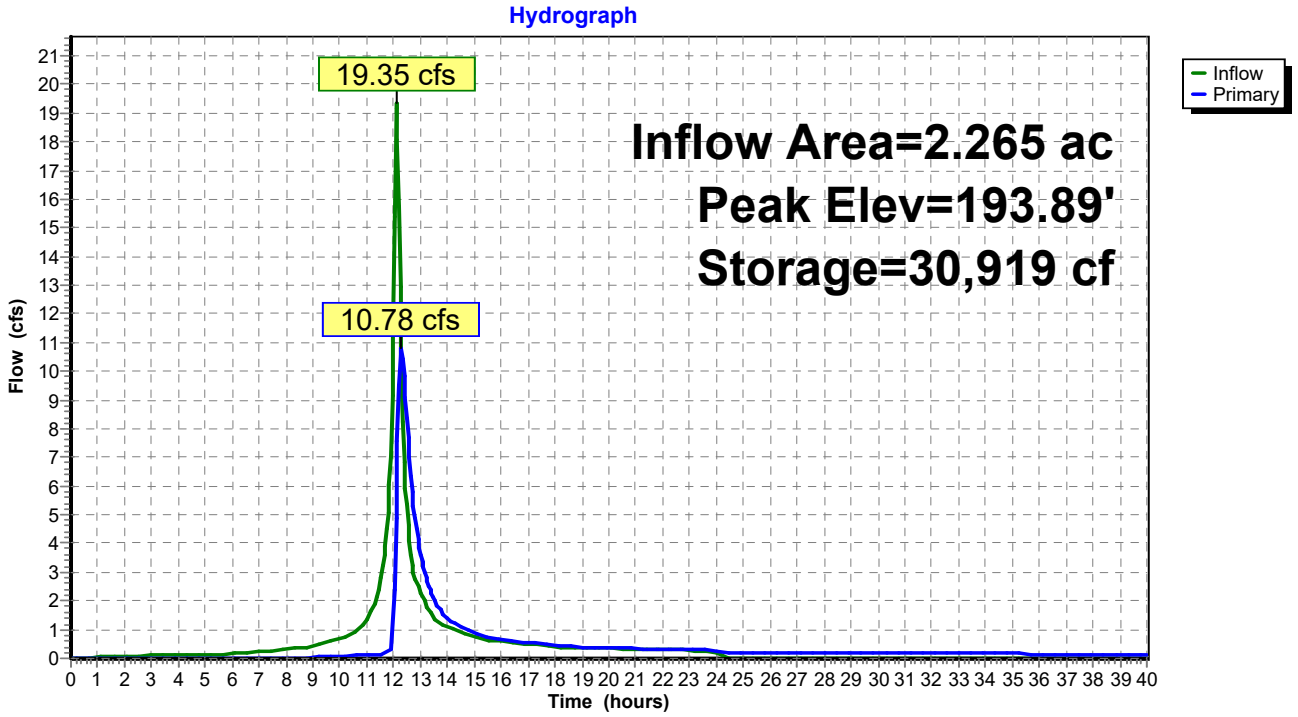
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
191.00	8,869	0	0
192.00	10,100	9,485	9,485
193.00	11,387	10,744	20,228
194.00	12,731	12,059	32,287

Device	Routing	Invert	Outlet Devices
#1	Primary	191.00'	**18.0" Round Culvert** L= 185.0' Ke= 0.500 Inlet / Outlet Invert= 191.00' / 188.45' S= 0.0138 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	191.40'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	193.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	193.99'	**50.0' long + 3.0 '/' SideZ x 10.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

Primary OutFlow Max=10.76 cfs @ 12.29 hrs HW=193.89' (Free Discharge)
- **1=Culvert** (Passes 10.76 cfs of 12.45 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.25 cfs @ 7.44 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 10.50 cfs @ 3.09 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-48: Basin #48



Hydrograph for Pond B-48: Basin #48

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	191.00	0.00
0.10	0.00	0	191.00	0.00
0.20	0.00	0	191.00	0.00
0.30	0.00	0	191.00	0.00
0.40	0.00	0	191.00	0.00
0.50	0.01	3	191.00	0.00
0.60	0.02	8	191.00	0.00
0.70	0.03	17	191.00	0.00
0.80	0.03	28	191.00	0.00
0.90	0.04	41	191.00	0.00
1.00	0.04	56	191.01	0.00
1.10	0.05	72	191.01	0.00
1.20	0.05	91	191.01	0.00
1.30	0.06	111	191.01	0.00
1.40	0.06	132	191.01	0.00
1.50	0.06	155	191.02	0.00
1.60	0.07	179	191.02	0.00
1.70	0.07	203	191.02	0.00
1.80	0.07	229	191.03	0.00
1.90	0.08	256	191.03	0.00
2.00	0.08	284	191.03	0.00
2.10	0.08	312	191.04	0.00
2.20	0.08	342	191.04	0.00
2.30	0.09	372	191.04	0.00
2.40	0.09	403	191.05	0.00
2.50	0.09	435	191.05	0.00
2.60	0.09	467	191.05	0.00
2.70	0.09	500	191.06	0.00
2.80	0.09	534	191.06	0.00
2.90	0.10	568	191.06	0.00
3.00	0.10	603	191.07	0.00
3.10	0.10	638	191.07	0.00
3.20	0.10	674	191.08	0.00
3.30	0.10	710	191.08	0.00
3.40	0.10	747	191.08	0.00
3.50	0.11	785	191.09	0.00
3.60	0.11	823	191.09	0.00
3.70	0.11	861	191.10	0.00
3.80	0.11	900	191.10	0.00
3.90	0.11	940	191.11	0.00
4.00	0.11	980	191.11	0.00
4.10	0.11	1,020	191.11	0.00
4.20	0.11	1,061	191.12	0.00
4.30	0.12	1,102	191.12	0.00
4.40	0.12	1,144	191.13	0.00
4.50	0.12	1,186	191.13	0.00
4.60	0.12	1,228	191.14	0.00
4.70	0.12	1,271	191.14	0.00
4.80	0.12	1,315	191.15	0.00
4.90	0.12	1,358	191.15	0.00
5.00	0.12	1,402	191.16	0.00
5.10	0.12	1,447	191.16	0.00

Hydrograph for Pond B-48: Basin #48 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.13	1,492	191.17	0.00
5.30	0.13	1,538	191.17	0.00
5.40	0.13	1,585	191.18	0.00
5.50	0.14	1,634	191.18	0.00
5.60	0.14	1,684	191.19	0.00
5.70	0.14	1,735	191.19	0.00
5.80	0.15	1,787	191.20	0.00
5.90	0.15	1,840	191.20	0.00
6.00	0.15	1,895	191.21	0.00
6.10	0.16	1,952	191.22	0.00
6.20	0.17	2,011	191.22	0.00
6.30	0.17	2,072	191.23	0.00
6.40	0.18	2,135	191.24	0.00
6.50	0.19	2,201	191.24	0.00
6.60	0.19	2,270	191.25	0.00
6.70	0.20	2,341	191.26	0.00
6.80	0.21	2,415	191.27	0.00
6.90	0.22	2,491	191.28	0.00
7.00	0.22	2,570	191.28	0.00
7.10	0.23	2,652	191.29	0.00
7.20	0.24	2,736	191.30	0.00
7.30	0.25	2,824	191.31	0.00
7.40	0.26	2,914	191.32	0.00
7.50	0.26	3,008	191.33	0.00
7.60	0.27	3,104	191.34	0.00
7.70	0.28	3,203	191.35	0.00
7.80	0.29	3,306	191.36	0.00
7.90	0.30	3,411	191.37	0.00
8.00	0.31	3,520	191.39	0.00
8.10	0.31	3,632	191.40	0.00
8.20	0.32	3,747	191.41	0.00
8.30	0.33	3,865	191.42	0.00
8.40	0.34	3,986	191.44	0.00
8.50	0.35	4,110	191.45	0.00
8.60	0.36	4,236	191.46	0.01
8.70	0.37	4,365	191.48	0.01
8.80	0.38	4,496	191.49	0.01
8.90	0.39	4,629	191.50	0.02
9.00	0.40	4,764	191.52	0.02
9.10	0.42	4,903	191.53	0.03
9.20	0.45	5,048	191.55	0.03
9.30	0.47	5,200	191.56	0.04
9.40	0.50	5,360	191.58	0.05
9.50	0.53	5,528	191.60	0.05
9.60	0.56	5,704	191.62	0.06
9.70	0.59	5,890	191.64	0.06
9.80	0.62	6,084	191.66	0.06
9.90	0.65	6,288	191.68	0.07
10.00	0.68	6,501	191.70	0.07
10.10	0.71	6,725	191.72	0.08
10.20	0.74	6,958	191.75	0.08
10.30	0.77	7,201	191.77	0.08

Hydrograph for Pond B-48: Basin #48 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.81	7,455	191.80	0.09
10.50	0.84	7,720	191.82	0.09
10.60	0.92	8,003	191.85	0.10
10.70	1.02	8,317	191.88	0.10
10.80	1.13	8,668	191.92	0.11
10.90	1.24	9,056	191.96	0.11
11.00	1.36	9,485	192.00	0.12
11.10	1.53	9,964	192.05	0.12
11.20	1.74	10,509	192.10	0.13
11.30	1.96	11,129	192.16	0.13
11.40	2.19	11,827	192.23	0.14
11.50	2.40	12,603	192.30	0.15
11.60	3.26	13,569	192.39	0.15
11.70	3.92	14,809	192.51	0.16
11.80	5.07	16,368	192.65	0.18
11.90	7.00	18,476	192.84	0.19
12.00	11.38	21,660	193.12	0.78
12.10	**19.18**	26,237	193.51	4.91
12.20	15.78	29,974	193.82	9.51
12.30	10.23	**30,917**	**193.89**	**10.78**
12.40	6.83	30,200	193.83	9.81
12.50	5.35	29,095	193.75	8.36
12.60	4.08	28,020	193.66	7.00
12.70	3.26	27,029	193.58	5.81
12.80	2.85	26,205	193.51	4.87
12.90	2.56	25,555	193.46	4.16
13.00	2.30	25,033	193.41	3.61
13.10	2.05	24,595	193.38	3.18
13.20	1.86	24,221	193.34	2.81
13.30	1.71	23,903	193.32	2.52
13.40	1.57	23,630	193.29	2.27
13.50	1.43	23,389	193.27	2.06
13.60	1.30	23,171	193.25	1.88
13.70	1.21	22,974	193.24	1.72
13.80	1.16	22,806	193.22	1.58
13.90	1.12	22,666	193.21	1.47
14.00	1.08	22,548	193.20	1.39
14.10	1.05	22,446	193.19	1.31
14.20	1.01	22,357	193.18	1.25
14.30	0.98	22,277	193.18	1.19
14.40	0.94	22,204	193.17	1.14
14.50	0.91	22,136	193.17	1.09
14.60	0.87	22,072	193.16	1.04
14.70	0.84	22,010	193.16	1.00
14.80	0.80	21,950	193.15	0.97
14.90	0.77	21,891	193.14	0.93
15.00	0.73	21,832	193.14	0.89
15.10	0.70	21,774	193.13	0.85
15.20	0.67	21,719	193.13	0.82
15.30	0.66	21,669	193.13	0.79
15.40	0.65	21,625	193.12	0.76
15.50	0.64	21,585	193.12	0.74

Hydrograph for Pond B-48: Basin #48 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.63	21,550	193.12	0.72
15.70	0.62	21,519	193.11	0.70
15.80	0.61	21,490	193.11	0.69
15.90	0.60	21,463	193.11	0.67
16.00	0.59	21,439	193.11	0.66
16.10	0.58	21,416	193.10	0.64
16.20	0.57	21,395	193.10	0.63
16.30	0.56	21,374	193.10	0.62
16.40	0.55	21,354	193.10	0.61
16.50	0.54	21,334	193.10	0.60
16.60	0.53	21,314	193.09	0.59
16.70	0.53	21,295	193.09	0.58
16.80	0.52	21,275	193.09	0.57
16.90	0.51	21,256	193.09	0.56
17.00	0.50	21,237	193.09	0.55
17.10	0.49	21,217	193.09	0.54
17.20	0.48	21,198	193.08	0.53
17.30	0.47	21,179	193.08	0.52
17.40	0.46	21,160	193.08	0.51
17.50	0.45	21,141	193.08	0.50
17.60	0.44	21,122	193.08	0.49
17.70	0.43	21,103	193.08	0.48
17.80	0.42	21,084	193.07	0.47
17.90	0.41	21,065	193.07	0.47
18.00	0.40	21,046	193.07	0.46
18.10	0.39	21,027	193.07	0.45
18.20	0.39	21,008	193.07	0.44
18.30	0.38	20,990	193.07	0.43
18.40	0.38	20,974	193.07	0.42
18.50	0.38	20,959	193.06	0.42
18.60	0.38	20,945	193.06	0.41
18.70	0.37	20,932	193.06	0.41
18.80	0.37	20,920	193.06	0.40
18.90	0.37	20,909	193.06	0.40
19.00	0.37	20,899	193.06	0.39
19.10	0.36	20,889	193.06	0.39
19.20	0.36	20,880	193.06	0.39
19.30	0.36	20,872	193.06	0.38
19.40	0.36	20,863	193.06	0.38
19.50	0.36	20,855	193.05	0.38
19.60	0.35	20,848	193.05	0.37
19.70	0.35	20,840	193.05	0.37
19.80	0.35	20,833	193.05	0.37
19.90	0.35	20,826	193.05	0.37
20.00	0.34	20,820	193.05	0.36
20.10	0.34	20,813	193.05	0.36
20.20	0.34	20,806	193.05	0.36
20.30	0.34	20,800	193.05	0.35
20.40	0.33	20,793	193.05	0.35
20.50	0.33	20,787	193.05	0.35
20.60	0.33	20,781	193.05	0.35
20.70	0.33	20,775	193.05	0.34

Hydrograph for Pond B-48: Basin #48 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.32	20,769	193.05	0.34
20.90	0.32	20,762	193.05	0.34
21.00	0.32	20,756	193.05	0.34
21.10	0.32	20,750	193.05	0.33
21.20	0.31	20,744	193.05	0.33
21.30	0.31	20,738	193.04	0.33
21.40	0.31	20,732	193.04	0.33
21.50	0.31	20,726	193.04	0.32
21.60	0.31	20,720	193.04	0.32
21.70	0.30	20,714	193.04	0.32
21.80	0.30	20,708	193.04	0.32
21.90	0.30	20,703	193.04	0.32
22.00	0.30	20,697	193.04	0.31
22.10	0.29	20,691	193.04	0.31
22.20	0.29	20,685	193.04	0.31
22.30	0.29	20,679	193.04	0.31
22.40	0.29	20,673	193.04	0.30
22.50	0.28	20,666	193.04	0.30
22.60	0.28	20,659	193.04	0.30
22.70	0.28	20,653	193.04	0.30
22.80	0.28	20,645	193.04	0.30
22.90	0.27	20,638	193.04	0.30
23.00	0.27	20,631	193.04	0.29
23.10	0.27	20,623	193.03	0.29
23.20	0.27	20,616	193.03	0.29
23.30	0.26	20,608	193.03	0.29
23.40	0.26	20,600	193.03	0.28
23.50	0.26	20,592	193.03	0.28
23.60	0.26	20,584	193.03	0.28
23.70	0.26	20,576	193.03	0.28
23.80	0.25	20,568	193.03	0.28
23.90	0.25	20,560	193.03	0.27
24.00	0.28	20,557	193.03	0.27
24.10	0.15	20,537	193.03	0.27
24.20	0.05	20,479	193.02	0.25
24.30	0.01	20,402	193.02	0.23
24.40	0.00	20,325	193.01	0.21
24.50	0.00	20,250	193.00	0.20
24.60	0.00	20,178	193.00	0.20
24.70	0.00	20,106	192.99	0.20
24.80	0.00	20,034	192.98	0.20
24.90	0.00	19,962	192.98	0.20
25.00	0.00	19,891	192.97	0.20
25.10	0.00	19,819	192.96	0.20
25.20	0.00	19,748	192.96	0.20
25.30	0.00	19,677	192.95	0.20
25.40	0.00	19,606	192.95	0.20
25.50	0.00	19,535	192.94	0.20
25.60	0.00	19,464	192.93	0.20
25.70	0.00	19,394	192.93	0.20
25.80	0.00	19,323	192.92	0.20
25.90	0.00	19,253	192.91	0.19

Hydrograph for Pond B-48: Basin #48 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	19,183	192.91	0.19
26.10	0.00	19,113	192.90	0.19
26.20	0.00	19,043	192.90	0.19
26.30	0.00	18,974	192.89	0.19
26.40	0.00	18,904	192.88	0.19
26.50	0.00	18,835	192.88	0.19
26.60	0.00	18,766	192.87	0.19
26.70	0.00	18,697	192.86	0.19
26.80	0.00	18,628	192.86	0.19
26.90	0.00	18,559	192.85	0.19
27.00	0.00	18,491	192.85	0.19
27.10	0.00	18,422	192.84	0.19
27.20	0.00	18,354	192.83	0.19
27.30	0.00	18,286	192.83	0.19
27.40	0.00	18,218	192.82	0.19
27.50	0.00	18,150	192.82	0.19
27.60	0.00	18,083	192.81	0.19
27.70	0.00	18,015	192.80	0.19
27.80	0.00	17,948	192.80	0.19
27.90	0.00	17,881	192.79	0.19
28.00	0.00	17,814	192.79	0.19
28.10	0.00	17,747	192.78	0.19
28.20	0.00	17,680	192.77	0.18
28.30	0.00	17,614	192.77	0.18
28.40	0.00	17,548	192.76	0.18
28.50	0.00	17,481	192.76	0.18
28.60	0.00	17,415	192.75	0.18
28.70	0.00	17,350	192.74	0.18
28.80	0.00	17,284	192.74	0.18
28.90	0.00	17,218	192.73	0.18
29.00	0.00	17,153	192.73	0.18
29.10	0.00	17,088	192.72	0.18
29.20	0.00	17,023	192.71	0.18
29.30	0.00	16,958	192.71	0.18
29.40	0.00	16,893	192.70	0.18
29.50	0.00	16,828	192.70	0.18
29.60	0.00	16,764	192.69	0.18
29.70	0.00	16,700	192.68	0.18
29.80	0.00	16,636	192.68	0.18
29.90	0.00	16,572	192.67	0.18
30.00	0.00	16,508	192.67	0.18
30.10	0.00	16,444	192.66	0.18
30.20	0.00	16,381	192.66	0.18
30.30	0.00	16,317	192.65	0.18
30.40	0.00	16,254	192.64	0.18
30.50	0.00	16,191	192.64	0.17
30.60	0.00	16,128	192.63	0.17
30.70	0.00	16,066	192.63	0.17
30.80	0.00	16,003	192.62	0.17
30.90	0.00	15,941	192.62	0.17
31.00	0.00	15,879	192.61	0.17
31.10	0.00	15,817	192.60	0.17

Hydrograph for Pond B-48: Basin #48 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	15,755	192.60	0.17
31.30	0.00	15,693	192.59	0.17
31.40	0.00	15,631	192.59	0.17
31.50	0.00	15,570	192.58	0.17
31.60	0.00	15,509	192.58	0.17
31.70	0.00	15,448	192.57	0.17
31.80	0.00	15,387	192.56	0.17
31.90	0.00	15,326	192.56	0.17
32.00	0.00	15,265	192.55	0.17
32.10	0.00	15,205	192.55	0.17
32.20	0.00	15,145	192.54	0.17
32.30	0.00	15,085	192.54	0.17
32.40	0.00	15,025	192.53	0.17
32.50	0.00	14,965	192.53	0.17
32.60	0.00	14,905	192.52	0.17
32.70	0.00	14,846	192.51	0.16
32.80	0.00	14,787	192.51	0.16
32.90	0.00	14,727	192.50	0.16
33.00	0.00	14,668	192.50	0.16
33.10	0.00	14,610	192.49	0.16
33.20	0.00	14,551	192.49	0.16
33.30	0.00	14,493	192.48	0.16
33.40	0.00	14,434	192.48	0.16
33.50	0.00	14,376	192.47	0.16
33.60	0.00	14,318	192.46	0.16
33.70	0.00	14,260	192.46	0.16
33.80	0.00	14,203	192.45	0.16
33.90	0.00	14,145	192.45	0.16
34.00	0.00	14,088	192.44	0.16
34.10	0.00	14,031	192.44	0.16
34.20	0.00	13,974	192.43	0.16
34.30	0.00	13,917	192.43	0.16
34.40	0.00	13,860	192.42	0.16
34.50	0.00	13,803	192.42	0.16
34.60	0.00	13,747	192.41	0.16
34.70	0.00	13,691	192.41	0.16
34.80	0.00	13,635	192.40	0.16
34.90	0.00	13,579	192.40	0.15
35.00	0.00	13,523	192.39	0.15
35.10	0.00	13,468	192.38	0.15
35.20	0.00	13,412	192.38	0.15
35.30	0.00	13,357	192.37	0.15
35.40	0.00	13,302	192.37	0.15
35.50	0.00	13,247	192.36	0.15
35.60	0.00	13,193	192.36	0.15
35.70	0.00	13,138	192.35	0.15
35.80	0.00	13,084	192.35	0.15
35.90	0.00	13,029	192.34	0.15
36.00	0.00	12,975	192.34	0.15
36.10	0.00	12,922	192.33	0.15
36.20	0.00	12,868	192.33	0.15
36.30	0.00	12,814	192.32	0.15

Hydrograph for Pond B-48: Basin #48 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	12,761	192.32	0.15
36.50	0.00	12,708	192.31	0.15
36.60	0.00	12,655	192.31	0.15
36.70	0.00	12,602	192.30	0.15
36.80	0.00	12,549	192.30	0.15
36.90	0.00	12,496	192.29	0.15
37.00	0.00	12,444	192.29	0.15
37.10	0.00	12,392	192.28	0.14
37.20	0.00	12,340	192.28	0.14
37.30	0.00	12,288	192.27	0.14
37.40	0.00	12,236	192.27	0.14
37.50	0.00	12,185	192.26	0.14
37.60	0.00	12,133	192.26	0.14
37.70	0.00	12,082	192.25	0.14
37.80	0.00	12,031	192.25	0.14
37.90	0.00	11,980	192.24	0.14
38.00	0.00	11,929	192.24	0.14
38.10	0.00	11,879	192.23	0.14
38.20	0.00	11,828	192.23	0.14
38.30	0.00	11,778	192.22	0.14
38.40	0.00	11,728	192.22	0.14
38.50	0.00	11,678	192.21	0.14
38.60	0.00	11,629	192.21	0.14
38.70	0.00	11,579	192.20	0.14
38.80	0.00	11,530	192.20	0.14
38.90	0.00	11,480	192.20	0.14
39.00	0.00	11,431	192.19	0.14
39.10	0.00	11,383	192.19	0.14
39.20	0.00	11,334	192.18	0.14
39.30	0.00	11,285	192.18	0.13
39.40	0.00	11,237	192.17	0.13
39.50	0.00	11,189	192.17	0.13
39.60	0.00	11,141	192.16	0.13
39.70	0.00	11,093	192.16	0.13
39.80	0.00	11,045	192.15	0.13
39.90	0.00	10,998	192.15	0.13
40.00	0.00	10,950	192.14	0.13

Stage-Discharge for Pond B-48: Basin #48

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
191.00	0.00	191.52	0.02	192.04	0.12	192.56	0.17
191.01	0.00	191.53	0.03	192.05	0.12	192.57	0.17
191.02	0.00	191.54	0.03	192.06	0.12	192.58	0.17
191.03	0.00	191.55	0.03	192.07	0.12	192.59	0.17
191.04	0.00	191.56	0.04	192.08	0.12	192.60	0.17
191.05	0.00	191.57	0.04	192.09	0.13	192.61	0.17
191.06	0.00	191.58	0.05	192.10	0.13	192.62	0.17
191.07	0.00	191.59	0.05	192.11	0.13	192.63	0.17
191.08	0.00	191.60	0.05	192.12	0.13	192.64	0.17
191.09	0.00	191.61	0.05	192.13	0.13	192.65	0.18
191.10	0.00	191.62	0.06	192.14	0.13	192.66	0.18
191.11	0.00	191.63	0.06	192.15	0.13	192.67	0.18
191.12	0.00	191.64	0.06	192.16	0.13	192.68	0.18
191.13	0.00	191.65	0.06	192.17	0.13	192.69	0.18
191.14	0.00	191.66	0.06	192.18	0.13	192.70	0.18
191.15	0.00	191.67	0.07	192.19	0.14	192.71	0.18
191.16	0.00	191.68	0.07	192.20	0.14	192.72	0.18
191.17	0.00	191.69	0.07	192.21	0.14	192.73	0.18
191.18	0.00	191.70	0.07	192.22	0.14	192.74	0.18
191.19	0.00	191.71	0.07	192.23	0.14	192.75	0.18
191.20	0.00	191.72	0.08	192.24	0.14	192.76	0.18
191.21	0.00	191.73	0.08	192.25	0.14	192.77	0.18
191.22	0.00	191.74	0.08	192.26	0.14	192.78	0.19
191.23	0.00	191.75	0.08	192.27	0.14	192.79	0.19
191.24	0.00	191.76	0.08	192.28	0.14	192.80	0.19
191.25	0.00	191.77	0.08	192.29	0.15	192.81	0.19
191.26	0.00	191.78	0.09	192.30	0.15	192.82	0.19
191.27	0.00	191.79	0.09	192.31	0.15	192.83	0.19
191.28	0.00	191.80	0.09	192.32	0.15	192.84	0.19
191.29	0.00	191.81	0.09	192.33	0.15	192.85	0.19
191.30	0.00	191.82	0.09	192.34	0.15	192.86	0.19
191.31	0.00	191.83	0.09	192.35	0.15	192.87	0.19
191.32	0.00	191.84	0.10	192.36	0.15	192.88	0.19
191.33	0.00	191.85	0.10	192.37	0.15	192.89	0.19
191.34	0.00	191.86	0.10	192.38	0.15	192.90	0.19
191.35	0.00	191.87	0.10	192.39	0.15	192.91	0.19
191.36	0.00	191.88	0.10	192.40	0.16	192.92	0.20
191.37	0.00	191.89	0.10	192.41	0.16	192.93	0.20
191.38	0.00	191.90	0.10	192.42	0.16	192.94	0.20
191.39	0.00	191.91	0.10	192.43	0.16	192.95	0.20
191.40	0.00	191.92	0.11	192.44	0.16	192.96	0.20
191.41	0.00	191.93	0.11	192.45	0.16	192.97	0.20
191.42	0.00	191.94	0.11	192.46	0.16	192.98	0.20
191.43	0.00	191.95	0.11	192.47	0.16	192.99	0.20
191.44	0.00	191.96	0.11	192.48	0.16	193.00	0.20
191.45	0.00	191.97	0.11	192.49	0.16	193.01	0.21
191.46	0.01	191.98	0.11	192.50	0.16	193.02	0.24
191.47	0.01	191.99	0.11	192.51	0.16	193.03	0.27
191.48	0.01	192.00	0.12	192.52	0.17	193.04	0.31
191.49	0.01	192.01	0.12	192.53	0.17	193.05	0.35
191.50	0.02	192.02	0.12	192.54	0.17	193.06	0.40
191.51	0.02	192.03	0.12	192.55	0.17	193.07	0.45

Stage-Discharge for Pond B-48: Basin #48 (continued)

Elevation (feet)	Primary (cfs)
193.08	0.50
193.09	0.56
193.10	0.62
193.11	0.68
193.12	0.75
193.13	0.82
193.14	0.89
193.15	0.96
193.16	1.04
193.17	1.12
193.18	1.20
193.19	1.29
193.20	1.37
193.21	1.46
193.22	1.55
193.23	1.64
193.24	1.74
193.25	1.83
193.26	1.93
193.27	2.03
193.28	2.13
193.29	2.23
193.30	2.34
193.31	2.44
193.32	2.55
193.33	2.66
193.34	2.77
193.35	2.88
193.36	3.00
193.37	3.11
193.38	3.23
193.39	3.35
193.40	3.47
193.41	3.59
193.42	3.71
193.43	3.84
193.44	3.96
193.45	4.09
193.46	4.22
193.47	4.35
193.48	4.48
193.49	4.61
193.50	4.74
193.51	4.87
193.52	5.01
193.53	5.15
193.54	5.28
193.55	5.42
193.56	5.56
193.57	5.70
193.58	5.85
193.59	5.99
193.60	6.13
193.61	6.28
193.62	6.43
193.63	6.57
193.64	6.72
193.65	6.87
193.66	7.02
193.67	7.17
193.68	7.33
193.69	7.48
193.70	7.64
193.71	7.79
193.72	7.95
193.73	8.11
193.74	8.26
193.75	8.42
193.76	8.58
193.77	8.74
193.78	8.91
193.79	9.07
193.80	9.23
193.81	9.40
193.82	9.56
193.83	9.73
193.84	9.90
193.85	10.07
193.86	10.24
193.87	10.40
193.88	10.58
193.89	10.75
193.90	10.92
193.91	11.09
193.92	11.27
193.93	11.44
193.94	11.62
193.95	11.79
193.96	11.97
193.97	12.15
193.98	12.33
193.99	12.51
194.00	**12.81**

Stage-Area-Storage for Pond B-48: Basin #48

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
191.00	8,869	0	191.52	9,509	4,778
191.01	8,881	89	191.53	9,521	4,873
191.02	8,894	178	191.54	9,534	4,969
191.03	8,906	267	191.55	9,546	5,064
191.04	8,918	356	191.56	9,558	5,160
191.05	8,931	445	191.57	9,571	5,255
191.06	8,943	534	191.58	9,583	5,351
191.07	8,955	624	191.59	9,595	5,447
191.08	8,967	713	191.60	9,608	5,543
191.09	8,980	803	191.61	9,620	5,639
191.10	8,992	893	191.62	9,632	5,735
191.11	9,004	983	191.63	9,645	5,832
191.12	9,017	1,073	191.64	9,657	5,928
191.13	9,029	1,163	191.65	9,669	6,025
191.14	9,041	1,254	191.66	9,681	6,122
191.15	9,054	1,344	191.67	9,694	6,219
191.16	9,066	1,435	191.68	9,706	6,316
191.17	9,078	1,526	191.69	9,718	6,413
191.18	9,091	1,616	191.70	9,731	6,510
191.19	9,103	1,707	191.71	9,743	6,607
191.20	9,115	1,798	191.72	9,755	6,705
191.21	9,128	1,890	191.73	9,768	6,802
191.22	9,140	1,981	191.74	9,780	6,900
191.23	9,152	2,072	191.75	9,792	6,998
191.24	9,164	2,164	191.76	9,805	7,096
191.25	9,177	2,256	191.77	9,817	7,194
191.26	9,189	2,348	191.78	9,829	7,292
191.27	9,201	2,439	191.79	9,841	7,391
191.28	9,214	2,532	191.80	9,854	7,489
191.29	9,226	2,624	191.81	9,866	7,588
191.30	9,238	2,716	191.82	9,878	7,686
191.31	9,251	2,809	191.83	9,891	7,785
191.32	9,263	2,901	191.84	9,903	7,884
191.33	9,275	2,994	191.85	9,915	7,983
191.34	9,288	3,087	191.86	9,928	8,083
191.35	9,300	3,180	191.87	9,940	8,182
191.36	9,312	3,273	191.88	9,952	8,281
191.37	9,324	3,366	191.89	9,965	8,381
191.38	9,337	3,459	191.90	9,977	8,481
191.39	9,349	3,553	191.91	9,989	8,580
191.40	9,361	3,646	191.92	10,002	8,680
191.41	9,374	3,740	191.93	10,014	8,781
191.42	9,386	3,834	191.94	10,026	8,881
191.43	9,398	3,927	191.95	10,038	8,981
191.44	9,411	4,022	191.96	10,051	9,081
191.45	9,423	4,116	191.97	10,063	9,182
191.46	9,435	4,210	191.98	10,075	9,283
191.47	9,448	4,304	191.99	10,088	9,384
191.48	9,460	4,399	192.00	10,100	9,485
191.49	9,472	4,494	192.01	10,113	9,586
191.50	9,485	4,588	192.02	10,126	9,687
191.51	9,497	4,683	192.03	10,139	9,788

Stage-Area-Storage for Pond B-48: Basin #48 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
192.04	10,151	9,890	192.56	10,821	15,342
192.05	10,164	9,991	192.57	10,834	15,451
192.06	10,177	10,093	192.58	10,846	15,559
192.07	10,190	10,195	192.59	10,859	15,668
192.08	10,203	10,297	192.60	10,872	15,776
192.09	10,216	10,399	192.61	10,885	15,885
192.10	10,229	10,501	192.62	10,898	15,994
192.11	10,242	10,603	192.63	10,911	16,103
192.12	10,254	10,706	192.64	10,924	16,212
192.13	10,267	10,808	192.65	10,937	16,321
192.14	10,280	10,911	192.66	10,949	16,431
192.15	10,293	11,014	192.67	10,962	16,540
192.16	10,306	11,117	192.68	10,975	16,650
192.17	10,319	11,220	192.69	10,988	16,760
192.18	10,332	11,323	192.70	11,001	16,870
192.19	10,345	11,427	192.71	11,014	16,980
192.20	10,357	11,530	192.72	11,027	17,090
192.21	10,370	11,634	192.73	11,040	17,200
192.22	10,383	11,738	192.74	11,052	17,311
192.23	10,396	11,842	192.75	11,065	17,421
192.24	10,409	11,946	192.76	11,078	17,532
192.25	10,422	12,050	192.77	11,091	17,643
192.26	10,435	12,154	192.78	11,104	17,754
192.27	10,447	12,258	192.79	11,117	17,865
192.28	10,460	12,363	192.80	11,130	17,976
192.29	10,473	12,468	192.81	11,142	18,088
192.30	10,486	12,572	192.82	11,155	18,199
192.31	10,499	12,677	192.83	11,168	18,311
192.32	10,512	12,782	192.84	11,181	18,423
192.33	10,525	12,888	192.85	11,194	18,534
192.34	10,538	12,993	192.86	11,207	18,646
192.35	10,550	13,098	192.87	11,220	18,759
192.36	10,563	13,204	192.88	11,233	18,871
192.37	10,576	13,310	192.89	11,245	18,983
192.38	10,589	13,415	192.90	11,258	19,096
192.39	10,602	13,521	192.91	11,271	19,208
192.40	10,615	13,627	192.92	11,284	19,321
192.41	10,628	13,734	192.93	11,297	19,434
192.42	10,641	13,840	192.94	11,310	19,547
192.43	10,653	13,946	192.95	11,323	19,660
192.44	10,666	14,053	192.96	11,336	19,774
192.45	10,679	14,160	192.97	11,348	19,887
192.46	10,692	14,267	192.98	11,361	20,001
192.47	10,705	14,374	192.99	11,374	20,114
192.48	10,718	14,481	193.00	11,387	20,228
192.49	10,731	14,588	193.01	11,400	20,342
192.50	10,744	14,695	193.02	11,414	20,456
192.51	10,756	14,803	193.03	11,427	20,570
192.52	10,769	14,911	193.04	11,441	20,685
192.53	10,782	15,018	193.05	11,454	20,799
192.54	10,795	15,126	193.06	11,468	20,914
192.55	10,808	15,234	193.07	11,481	21,028

Stage-Area-Storage for Pond B-48: Basin #48 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
193.08	11,495	21,143
193.09	11,508	21,258
193.10	11,521	21,373
193.11	11,535	21,489
193.12	11,548	21,604
193.13	11,562	21,720
193.14	11,575	21,835
193.15	11,589	21,951
193.16	11,602	22,067
193.17	11,615	22,183
193.18	11,629	22,299
193.19	11,642	22,416
193.20	11,656	22,532
193.21	11,669	22,649
193.22	11,683	22,766
193.23	11,696	22,883
193.24	11,710	23,000
193.25	11,723	23,117
193.26	11,736	23,234
193.27	11,750	23,351
193.28	11,763	23,469
193.29	11,777	23,587
193.30	11,790	23,705
193.31	11,804	23,823
193.32	11,817	23,941
193.33	11,831	24,059
193.34	11,844	24,177
193.35	11,857	24,296
193.36	11,871	24,414
193.37	11,884	24,533
193.38	11,898	24,652
193.39	11,911	24,771
193.40	11,925	24,890
193.41	11,938	25,010
193.42	11,951	25,129
193.43	11,965	25,249
193.44	11,978	25,368
193.45	11,992	25,488
193.46	12,005	25,608
193.47	12,019	25,728
193.48	12,032	25,849
193.49	12,046	25,969
193.50	12,059	26,090
193.51	12,072	26,210
193.52	12,086	26,331
193.53	12,099	26,452
193.54	12,113	26,573
193.55	12,126	26,694
193.56	12,140	26,815
193.57	12,153	26,937
193.58	12,167	27,059
193.59	12,180	27,180
193.60	12,193	27,302
193.61	12,207	27,424
193.62	12,220	27,546
193.63	12,234	27,669
193.64	12,247	27,791
193.65	12,261	27,913
193.66	12,274	28,036
193.67	12,287	28,159
193.68	12,301	28,282
193.69	12,314	28,405
193.70	12,328	28,528
193.71	12,341	28,652
193.72	12,355	28,775
193.73	12,368	28,899
193.74	12,382	29,022
193.75	12,395	29,146
193.76	12,408	29,270
193.77	12,422	29,394
193.78	12,435	29,519
193.79	12,449	29,643
193.80	12,462	29,768
193.81	12,476	29,892
193.82	12,489	30,017
193.83	12,503	30,142
193.84	12,516	30,267
193.85	12,529	30,392
193.86	12,543	30,518
193.87	12,556	30,643
193.88	12,570	30,769
193.89	12,583	30,895
193.90	12,597	31,021
193.91	12,610	31,147
193.92	12,623	31,273
193.93	12,637	31,399
193.94	12,650	31,526
193.95	12,664	31,652
193.96	12,677	31,779
193.97	12,691	31,906
193.98	12,704	32,033
193.99	12,718	32,160
194.00	**12,731**	**32,287**

Summary for Pond B-49: Basin #49

Inflow Area = 2.090 ac, 43.68% Impervious, Inflow Depth = 9.06" for Future 100 yr event
Inflow = 21.84 cfs @ 12.11 hrs, Volume= 1.578 af
Outflow = 9.30 cfs @ 12.26 hrs, Volume= 1.439 af, Atten= 57%, Lag= 8.6 min
Primary = 9.30 cfs @ 12.26 hrs, Volume= 1.439 af
Routed to Link PDA-5 : Proposed Drainage Area #5

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 186.10' @ 12.26 hrs Surf.Area= 9,971 sf Storage= 25,547 cf

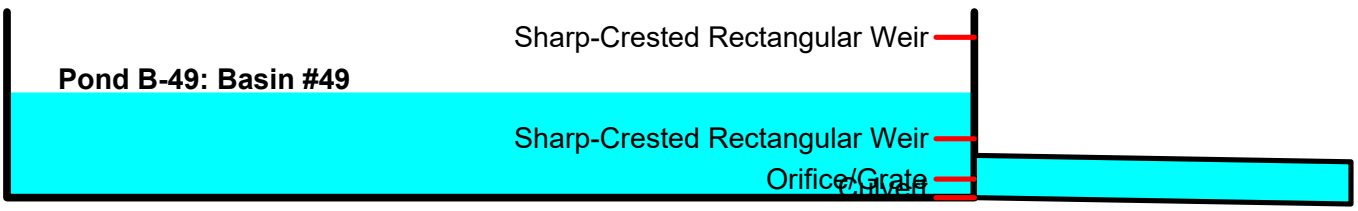
Plug-Flow detention time= 237.0 min calculated for 1.439 af (91% of inflow)
Center-of-Mass det. time= 189.8 min (959.9 - 770.1)

Volume	Invert	Avail.Storage	Storage Description
#1	183.00'	52,993 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

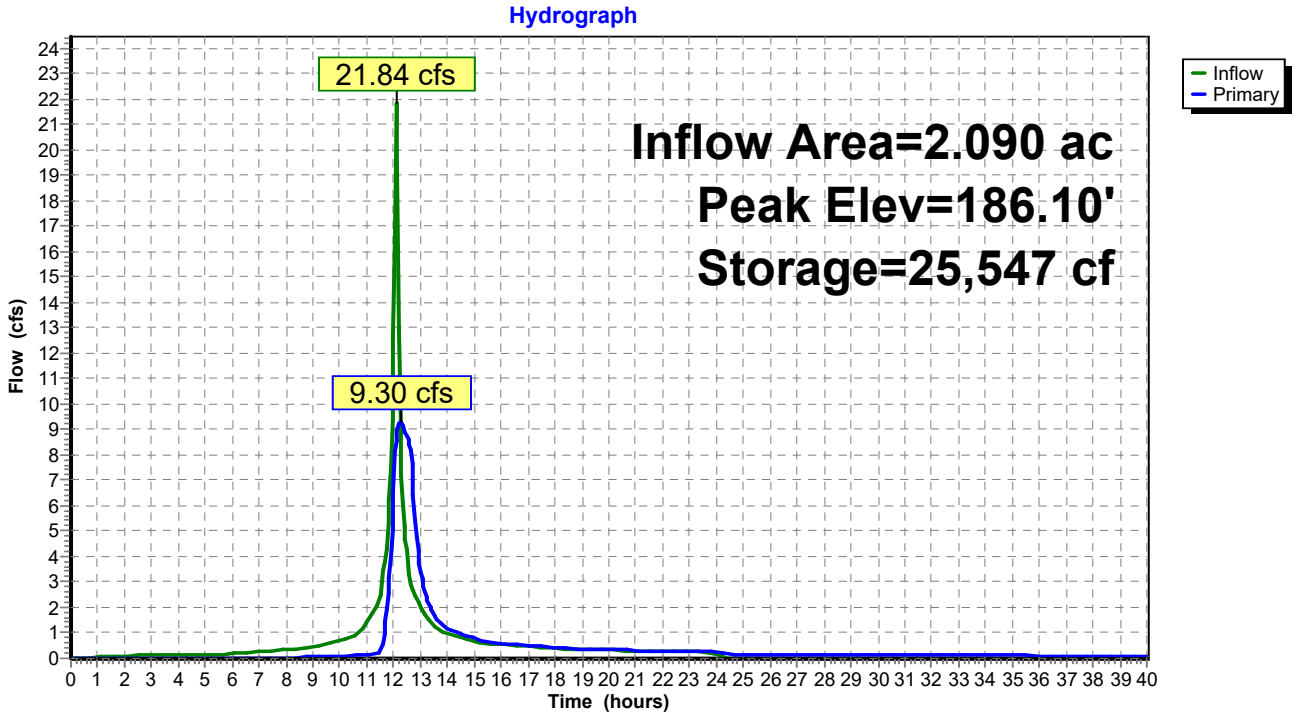
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
183.00	6,565	0	0
184.00	7,625	7,095	7,095
185.00	8,717	8,171	15,266
186.00	9,853	9,285	24,551
187.00	11,027	10,440	34,991
188.00	12,333	11,680	46,671
188.50	12,956	6,322	52,993

Device	Routing	Invert	Outlet Devices
#1	Primary	183.00'	**15.0" Round Culvert** L= 25.0' Ke= 0.500 Inlet / Outlet Invert= 183.00' / 182.81' S= 0.0076 '/' Cc= 0.900 n= 0.013, Flow Area= 1.23 sf
#2	Device 1	183.55'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	184.74'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	187.75'	**30.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)

Primary OutFlow Max=9.29 cfs @ 12.26 hrs HW=186.10' (Free Discharge)
- **1=Culvert** (Inlet Controls 9.29 cfs @ 7.57 fps)
  - **2=Orifice/Grate** (Passes < 0.26 cfs potential flow)
  - **3=Sharp-Crested Rectangular Weir** (Passes < 19.29 cfs potential flow)
- **4=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-49: Basin #49



Hydrograph for Pond B-49: Basin #49

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	183.00	0.00
0.10	0.00	0	183.00	0.00
0.20	0.00	0	183.00	0.00
0.30	0.00	0	183.00	0.00
0.40	0.00	0	183.00	0.00
0.50	0.01	2	183.00	0.00
0.60	0.02	8	183.00	0.00
0.70	0.03	18	183.00	0.00
0.80	0.04	30	183.00	0.00
0.90	0.04	45	183.01	0.00
1.00	0.05	62	183.01	0.00
1.10	0.06	81	183.01	0.00
1.20	0.06	103	183.02	0.00
1.30	0.07	126	183.02	0.00
1.40	0.07	151	183.02	0.00
1.50	0.08	177	183.03	0.00
1.60	0.08	205	183.03	0.00
1.70	0.08	234	183.04	0.00
1.80	0.09	264	183.04	0.00
1.90	0.09	295	183.04	0.00
2.00	0.09	328	183.05	0.00
2.10	0.09	361	183.05	0.00
2.20	0.10	396	183.06	0.00
2.30	0.10	431	183.07	0.00
2.40	0.10	468	183.07	0.00
2.50	0.10	505	183.08	0.00
2.60	0.11	542	183.08	0.00
2.70	0.11	581	183.09	0.00
2.80	0.11	621	183.09	0.00
2.90	0.11	661	183.10	0.00
3.00	0.11	702	183.11	0.00
3.10	0.12	743	183.11	0.00
3.20	0.12	785	183.12	0.00
3.30	0.12	828	183.12	0.00
3.40	0.12	871	183.13	0.00
3.50	0.12	915	183.14	0.00
3.60	0.12	960	183.14	0.00
3.70	0.13	1,005	183.15	0.00
3.80	0.13	1,051	183.16	0.00
3.90	0.13	1,097	183.16	0.00
4.00	0.13	1,144	183.17	0.00
4.10	0.13	1,191	183.18	0.00
4.20	0.13	1,239	183.19	0.00
4.30	0.14	1,288	183.19	0.00
4.40	0.14	1,337	183.20	0.00
4.50	0.14	1,386	183.21	0.00
4.60	0.14	1,436	183.21	0.00
4.70	0.14	1,486	183.22	0.00
4.80	0.14	1,537	183.23	0.00
4.90	0.14	1,588	183.24	0.00
5.00	0.14	1,640	183.24	0.00
5.10	0.15	1,693	183.25	0.00

Hydrograph for Pond B-49: Basin #49 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.15	1,746	183.26	0.00
5.30	0.15	1,800	183.27	0.00
5.40	0.16	1,855	183.28	0.00
5.50	0.16	1,912	183.28	0.00
5.60	0.16	1,970	183.29	0.00
5.70	0.16	2,028	183.30	0.00
5.80	0.17	2,088	183.31	0.00
5.90	0.17	2,149	183.32	0.00
6.00	0.17	2,212	183.33	0.00
6.10	0.18	2,275	183.34	0.00
6.20	0.19	2,342	183.35	0.00
6.30	0.19	2,410	183.36	0.00
6.40	0.20	2,481	183.37	0.00
6.50	0.21	2,554	183.38	0.00
6.60	0.21	2,630	183.39	0.00
6.70	0.22	2,709	183.40	0.00
6.80	0.23	2,789	183.41	0.00
6.90	0.24	2,873	183.42	0.00
7.00	0.24	2,959	183.44	0.00
7.10	0.25	3,048	183.45	0.00
7.20	0.26	3,140	183.46	0.00
7.30	0.27	3,234	183.47	0.00
7.40	0.27	3,331	183.49	0.00
7.50	0.28	3,432	183.50	0.00
7.60	0.29	3,535	183.52	0.00
7.70	0.30	3,640	183.53	0.00
7.80	0.31	3,749	183.55	0.00
7.90	0.32	3,861	183.56	0.00
8.00	0.32	3,975	183.58	0.00
8.10	0.33	4,091	183.59	0.00
8.20	0.34	4,210	183.61	0.01
8.30	0.35	4,331	183.63	0.01
8.40	0.36	4,453	183.64	0.02
8.50	0.37	4,576	183.66	0.02
8.60	0.38	4,701	183.68	0.03
8.70	0.39	4,827	183.70	0.03
8.80	0.39	4,954	183.71	0.04
8.90	0.40	5,082	183.73	0.04
9.00	0.41	5,212	183.75	0.05
9.10	0.43	5,345	183.77	0.05
9.20	0.46	5,485	183.79	0.06
9.30	0.49	5,634	183.81	0.06
9.40	0.51	5,790	183.83	0.07
9.50	0.54	5,954	183.85	0.07
9.60	0.57	6,127	183.87	0.08
9.70	0.60	6,309	183.90	0.08
9.80	0.63	6,500	183.92	0.08
9.90	0.66	6,699	183.95	0.09
10.00	0.69	6,908	183.98	0.09
10.10	0.72	7,126	184.00	0.10
10.20	0.75	7,354	184.03	0.10
10.30	0.78	7,592	184.06	0.11

Hydrograph for Pond B-49: Basin #49 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.81	7,839	184.10	0.11
10.50	0.84	8,097	184.13	0.11
10.60	0.93	8,373	184.17	0.12
10.70	1.04	8,683	184.21	0.12
10.80	1.15	9,030	184.25	0.13
10.90	1.26	9,415	184.30	0.13
11.00	1.37	9,839	184.35	0.14
11.10	1.55	10,312	184.41	0.14
11.20	1.76	10,855	184.48	0.15
11.30	1.98	11,472	184.55	0.16
11.40	2.20	12,166	184.64	0.16
11.50	2.40	12,932	184.73	0.17
11.60	3.47	13,843	184.83	0.57
11.70	4.01	14,842	184.95	1.45
11.80	5.29	15,779	185.06	2.52
11.90	7.45	16,883	185.18	3.98
12.00	12.62	18,541	185.37	6.50
12.10	**21.60**	21,750	185.71	8.53
12.20	12.81	**25,227**	**186.07**	**9.24**
12.30	7.25	**25,356**	**186.08**	**9.26**
12.40	5.14	24,279	185.97	9.05
12.50	4.49	22,787	185.82	8.75
12.60	3.28	21,127	185.65	8.40
12.70	2.75	19,276	185.45	7.66
12.80	2.51	17,886	185.29	5.47
12.90	2.28	17,027	185.20	4.18
13.00	2.04	16,452	185.13	3.38
13.10	1.81	16,033	185.09	2.83
13.20	1.66	15,712	185.05	2.43
13.30	1.53	15,466	185.02	2.14
13.40	1.40	15,269	185.00	1.91
13.50	1.28	15,101	184.98	1.72
13.60	1.15	14,949	184.96	1.56
13.70	1.09	14,816	184.95	1.42
13.80	1.06	14,711	184.94	1.32
13.90	1.03	14,629	184.93	1.23
14.00	0.99	14,562	184.92	1.17
14.10	0.96	14,503	184.91	1.12
14.20	0.93	14,450	184.91	1.07
14.30	0.90	14,403	184.90	1.02
14.40	0.86	14,358	184.90	0.98
14.50	0.83	14,315	184.89	0.95
14.60	0.80	14,274	184.89	0.91
14.70	0.76	14,235	184.88	0.87
14.80	0.73	14,196	184.88	0.84
14.90	0.70	14,158	184.87	0.80
15.00	0.66	14,119	184.87	0.77
15.10	0.63	14,080	184.86	0.74
15.20	0.62	14,041	184.86	0.72
15.30	0.61	14,008	184.85	0.69
15.40	0.60	13,980	184.85	0.67
15.50	0.59	13,956	184.85	0.65

Hydrograph for Pond B-49: Basin #49 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.58	13,934	184.85	0.64
15.70	0.57	13,915	184.84	0.62
15.80	0.56	13,897	184.84	0.61
15.90	0.56	13,881	184.84	0.60
16.00	0.55	13,866	184.84	0.59
16.10	0.54	13,852	184.84	0.58
16.20	0.53	13,838	184.83	0.57
16.30	0.52	13,825	184.83	0.56
16.40	0.51	13,812	184.83	0.55
16.50	0.50	13,799	184.83	0.54
16.60	0.49	13,786	184.83	0.53
16.70	0.49	13,774	184.83	0.52
16.80	0.48	13,762	184.83	0.51
16.90	0.47	13,749	184.82	0.50
17.00	0.46	13,737	184.82	0.49
17.10	0.45	13,725	184.82	0.48
17.20	0.44	13,713	184.82	0.47
17.30	0.43	13,701	184.82	0.47
17.40	0.42	13,689	184.82	0.46
17.50	0.41	13,677	184.82	0.45
17.60	0.41	13,665	184.81	0.44
17.70	0.40	13,652	184.81	0.43
17.80	0.39	13,638	184.81	0.43
17.90	0.38	13,624	184.81	0.42
18.00	0.37	13,609	184.81	0.41
18.10	0.36	13,594	184.81	0.41
18.20	0.36	13,579	184.80	0.40
18.30	0.36	13,565	184.80	0.39
18.40	0.35	13,553	184.80	0.38
18.50	0.35	13,542	184.80	0.38
18.60	0.35	13,533	184.80	0.37
18.70	0.35	13,524	184.80	0.37
18.80	0.34	13,516	184.80	0.37
18.90	0.34	13,508	184.80	0.36
19.00	0.34	13,502	184.79	0.36
19.10	0.34	13,495	184.79	0.36
19.20	0.34	13,489	184.79	0.35
19.30	0.33	13,483	184.79	0.35
19.40	0.33	13,477	184.79	0.35
19.50	0.33	13,472	184.79	0.34
19.60	0.33	13,467	184.79	0.34
19.70	0.32	13,462	184.79	0.34
19.80	0.32	13,457	184.79	0.34
19.90	0.32	13,452	184.79	0.33
20.00	0.32	13,448	184.79	0.33
20.10	0.32	13,443	184.79	0.33
20.20	0.31	13,438	184.79	0.33
20.30	0.31	13,433	184.79	0.32
20.40	0.31	13,429	184.79	0.32
20.50	0.31	13,424	184.79	0.32
20.60	0.31	13,420	184.79	0.32
20.70	0.30	13,416	184.78	0.32

Hydrograph for Pond B-49: Basin #49 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.30	13,411	184.78	0.31
20.90	0.30	13,407	184.78	0.31
21.00	0.30	13,402	184.78	0.31
21.10	0.29	13,398	184.78	0.31
21.20	0.29	13,393	184.78	0.30
21.30	0.29	13,389	184.78	0.30
21.40	0.29	13,385	184.78	0.30
21.50	0.28	13,380	184.78	0.30
21.60	0.28	13,376	184.78	0.30
21.70	0.28	13,371	184.78	0.29
21.80	0.28	13,367	184.78	0.29
21.90	0.28	13,363	184.78	0.29
22.00	0.27	13,358	184.78	0.29
22.10	0.27	13,354	184.78	0.28
22.20	0.27	13,349	184.78	0.28
22.30	0.27	13,345	184.78	0.28
22.40	0.26	13,341	184.78	0.28
22.50	0.26	13,336	184.78	0.28
22.60	0.26	13,332	184.77	0.27
22.70	0.26	13,328	184.77	0.27
22.80	0.26	13,323	184.77	0.27
22.90	0.25	13,319	184.77	0.27
23.00	0.25	13,314	184.77	0.26
23.10	0.25	13,310	184.77	0.26
23.20	0.25	13,306	184.77	0.26
23.30	0.24	13,301	184.77	0.26
23.40	0.24	13,297	184.77	0.26
23.50	0.24	13,292	184.77	0.25
23.60	0.24	13,288	184.77	0.25
23.70	0.24	13,284	184.77	0.25
23.80	0.23	13,279	184.77	0.25
23.90	0.23	13,275	184.77	0.24
24.00	0.27	13,276	184.77	0.25
24.10	0.08	13,259	184.77	0.24
24.20	0.01	13,190	184.76	0.21
24.30	0.00	13,120	184.75	0.19
24.40	0.00	13,054	184.74	0.18
24.50	0.00	12,992	184.73	0.17
24.60	0.00	12,931	184.73	0.17
24.70	0.00	12,870	184.72	0.17
24.80	0.00	12,809	184.71	0.17
24.90	0.00	12,748	184.71	0.17
25.00	0.00	12,688	184.70	0.17
25.10	0.00	12,628	184.69	0.17
25.20	0.00	12,568	184.68	0.17
25.30	0.00	12,508	184.68	0.17
25.40	0.00	12,448	184.67	0.17
25.50	0.00	12,389	184.66	0.16
25.60	0.00	12,329	184.66	0.16
25.70	0.00	12,270	184.65	0.16
25.80	0.00	12,211	184.64	0.16
25.90	0.00	12,153	184.63	0.16

Hydrograph for Pond B-49: Basin #49 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	12,094	184.63	0.16
26.10	0.00	12,036	184.62	0.16
26.20	0.00	11,978	184.61	0.16
26.30	0.00	11,921	184.61	0.16
26.40	0.00	11,863	184.60	0.16
26.50	0.00	11,806	184.59	0.16
26.60	0.00	11,749	184.59	0.16
26.70	0.00	11,692	184.58	0.16
26.80	0.00	11,635	184.57	0.16
26.90	0.00	11,578	184.57	0.16
27.00	0.00	11,522	184.56	0.16
27.10	0.00	11,466	184.55	0.16
27.20	0.00	11,410	184.54	0.15
27.30	0.00	11,355	184.54	0.15
27.40	0.00	11,299	184.53	0.15
27.50	0.00	11,244	184.52	0.15
27.60	0.00	11,189	184.52	0.15
27.70	0.00	11,134	184.51	0.15
27.80	0.00	11,079	184.50	0.15
27.90	0.00	11,025	184.50	0.15
28.00	0.00	10,971	184.49	0.15
28.10	0.00	10,917	184.48	0.15
28.20	0.00	10,863	184.48	0.15
28.30	0.00	10,810	184.47	0.15
28.40	0.00	10,756	184.46	0.15
28.50	0.00	10,703	184.46	0.15
28.60	0.00	10,651	184.45	0.15
28.70	0.00	10,598	184.45	0.15
28.80	0.00	10,545	184.44	0.15
28.90	0.00	10,493	184.43	0.14
29.00	0.00	10,441	184.43	0.14
29.10	0.00	10,389	184.42	0.14
29.20	0.00	10,338	184.41	0.14
29.30	0.00	10,286	184.41	0.14
29.40	0.00	10,235	184.40	0.14
29.50	0.00	10,184	184.39	0.14
29.60	0.00	10,134	184.39	0.14
29.70	0.00	10,083	184.38	0.14
29.80	0.00	10,033	184.38	0.14
29.90	0.00	9,983	184.37	0.14
30.00	0.00	9,933	184.36	0.14
30.10	0.00	9,883	184.36	0.14
30.20	0.00	9,834	184.35	0.14
30.30	0.00	9,785	184.34	0.14
30.40	0.00	9,736	184.34	0.14
30.50	0.00	9,687	184.33	0.14
30.60	0.00	9,639	184.33	0.13
30.70	0.00	9,590	184.32	0.13
30.80	0.00	9,542	184.31	0.13
30.90	0.00	9,494	184.31	0.13
31.00	0.00	9,447	184.30	0.13
31.10	0.00	9,399	184.30	0.13

Hydrograph for Pond B-49: Basin #49 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	9,352	184.29	0.13
31.30	0.00	9,305	184.28	0.13
31.40	0.00	9,258	184.28	0.13
31.50	0.00	9,212	184.27	0.13
31.60	0.00	9,165	184.27	0.13
31.70	0.00	9,119	184.26	0.13
31.80	0.00	9,073	184.25	0.13
31.90	0.00	9,028	184.25	0.13
32.00	0.00	8,982	184.24	0.13
32.10	0.00	8,937	184.24	0.13
32.20	0.00	8,892	184.23	0.12
32.30	0.00	8,847	184.23	0.12
32.40	0.00	8,803	184.22	0.12
32.50	0.00	8,758	184.21	0.12
32.60	0.00	8,714	184.21	0.12
32.70	0.00	8,670	184.20	0.12
32.80	0.00	8,626	184.20	0.12
32.90	0.00	8,583	184.19	0.12
33.00	0.00	8,540	184.19	0.12
33.10	0.00	8,497	184.18	0.12
33.20	0.00	8,454	184.18	0.12
33.30	0.00	8,411	184.17	0.12
33.40	0.00	8,369	184.17	0.12
33.50	0.00	8,327	184.16	0.12
33.60	0.00	8,285	184.15	0.12
33.70	0.00	8,243	184.15	0.12
33.80	0.00	8,202	184.14	0.11
33.90	0.00	8,161	184.14	0.11
34.00	0.00	8,120	184.13	0.11
34.10	0.00	8,079	184.13	0.11
34.20	0.00	8,038	184.12	0.11
34.30	0.00	7,998	184.12	0.11
34.40	0.00	7,958	184.11	0.11
34.50	0.00	7,918	184.11	0.11
34.60	0.00	7,879	184.10	0.11
34.70	0.00	7,839	184.10	0.11
34.80	0.00	7,800	184.09	0.11
34.90	0.00	7,761	184.09	0.11
35.00	0.00	7,722	184.08	0.11
35.10	0.00	7,684	184.08	0.11
35.20	0.00	7,645	184.07	0.11
35.30	0.00	7,607	184.07	0.11
35.40	0.00	7,570	184.06	0.10
35.50	0.00	7,532	184.06	0.10
35.60	0.00	7,495	184.05	0.10
35.70	0.00	7,457	184.05	0.10
35.80	0.00	7,421	184.04	0.10
35.90	0.00	7,384	184.04	0.10
36.00	0.00	7,347	184.03	0.10
36.10	0.00	7,311	184.03	0.10
36.20	0.00	7,275	184.02	0.10
36.30	0.00	7,239	184.02	0.10

Hydrograph for Pond B-49: Basin #49 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	7,204	184.01	0.10
36.50	0.00	7,168	184.01	0.10
36.60	0.00	7,133	184.01	0.10
36.70	0.00	7,098	184.00	0.10
36.80	0.00	7,064	184.00	0.10
36.90	0.00	7,029	183.99	0.10
37.00	0.00	6,995	183.99	0.09
37.10	0.00	6,961	183.98	0.09
37.20	0.00	6,927	183.98	0.09
37.30	0.00	6,894	183.97	0.09
37.40	0.00	6,861	183.97	0.09
37.50	0.00	6,828	183.96	0.09
37.60	0.00	6,795	183.96	0.09
37.70	0.00	6,762	183.96	0.09
37.80	0.00	6,730	183.95	0.09
37.90	0.00	6,698	183.95	0.09
38.00	0.00	6,666	183.94	0.09
38.10	0.00	6,634	183.94	0.09
38.20	0.00	6,603	183.94	0.09
38.30	0.00	6,572	183.93	0.09
38.40	0.00	6,541	183.93	0.09
38.50	0.00	6,510	183.92	0.08
38.60	0.00	6,480	183.92	0.08
38.70	0.00	6,449	183.91	0.08
38.80	0.00	6,419	183.91	0.08
38.90	0.00	6,390	183.91	0.08
39.00	0.00	6,360	183.90	0.08
39.10	0.00	6,331	183.90	0.08
39.20	0.00	6,302	183.90	0.08
39.30	0.00	6,273	183.89	0.08
39.40	0.00	6,244	183.89	0.08
39.50	0.00	6,216	183.88	0.08
39.60	0.00	6,188	183.88	0.08
39.70	0.00	6,160	183.88	0.08
39.80	0.00	6,132	183.87	0.08
39.90	0.00	6,104	183.87	0.08
40.00	0.00	6,077	183.87	0.08

Stage-Discharge for Pond B-49: Basin #49

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
183.00	0.00	183.52	0.00	184.04	0.10	184.56	0.16
183.01	0.00	183.53	0.00	184.05	0.10	184.57	0.16
183.02	0.00	183.54	0.00	184.06	0.10	184.58	0.16
183.03	0.00	183.55	0.00	184.07	0.11	184.59	0.16
183.04	0.00	183.56	0.00	184.08	0.11	184.60	0.16
183.05	0.00	183.57	0.00	184.09	0.11	184.61	0.16
183.06	0.00	183.58	0.00	184.10	0.11	184.62	0.16
183.07	0.00	183.59	0.00	184.11	0.11	184.63	0.16
183.08	0.00	183.60	0.00	184.12	0.11	184.64	0.16
183.09	0.00	183.61	0.01	184.13	0.11	184.65	0.16
183.10	0.00	183.62	0.01	184.14	0.11	184.66	0.16
183.11	0.00	183.63	0.01	184.15	0.12	184.67	0.17
183.12	0.00	183.64	0.01	184.16	0.12	184.68	0.17
183.13	0.00	183.65	0.02	184.17	0.12	184.69	0.17
183.14	0.00	183.66	0.02	184.18	0.12	184.70	0.17
183.15	0.00	183.67	0.02	184.19	0.12	184.71	0.17
183.16	0.00	183.68	0.03	184.20	0.12	184.72	0.17
183.17	0.00	183.69	0.03	184.21	0.12	184.73	0.17
183.18	0.00	183.70	0.03	184.22	0.12	184.74	0.17
183.19	0.00	183.71	0.04	184.23	0.12	184.75	0.18
183.20	0.00	183.72	0.04	184.24	0.13	184.76	0.21
183.21	0.00	183.73	0.05	184.25	0.13	184.77	0.24
183.22	0.00	183.74	0.05	184.26	0.13	184.78	0.28
183.23	0.00	183.75	0.05	184.27	0.13	184.79	0.32
183.24	0.00	183.76	0.05	184.28	0.13	184.80	0.37
183.25	0.00	183.77	0.06	184.29	0.13	184.81	0.42
183.26	0.00	183.78	0.06	184.30	0.13	184.82	0.47
183.27	0.00	183.79	0.06	184.31	0.13	184.83	0.53
183.28	0.00	183.80	0.06	184.32	0.13	184.84	0.59
183.29	0.00	183.81	0.06	184.33	0.13	184.85	0.65
183.30	0.00	183.82	0.07	184.34	0.14	184.86	0.72
183.31	0.00	183.83	0.07	184.35	0.14	184.87	0.79
183.32	0.00	183.84	0.07	184.36	0.14	184.88	0.86
183.33	0.00	183.85	0.07	184.37	0.14	184.89	0.94
183.34	0.00	183.86	0.07	184.38	0.14	184.90	1.01
183.35	0.00	183.87	0.08	184.39	0.14	184.91	1.09
183.36	0.00	183.88	0.08	184.40	0.14	184.92	1.17
183.37	0.00	183.89	0.08	184.41	0.14	184.93	1.26
183.38	0.00	183.90	0.08	184.42	0.14	184.94	1.34
183.39	0.00	183.91	0.08	184.43	0.14	184.95	1.43
183.40	0.00	183.92	0.08	184.44	0.15	184.96	1.52
183.41	0.00	183.93	0.09	184.45	0.15	184.97	1.61
183.42	0.00	183.94	0.09	184.46	0.15	184.98	1.71
183.43	0.00	183.95	0.09	184.47	0.15	184.99	1.80
183.44	0.00	183.96	0.09	184.48	0.15	185.00	1.90
183.45	0.00	183.97	0.09	184.49	0.15	185.01	2.00
183.46	0.00	183.98	0.09	184.50	0.15	185.02	2.10
183.47	0.00	183.99	0.10	184.51	0.15	185.03	2.21
183.48	0.00	184.00	0.10	184.52	0.15	185.04	2.31
183.49	0.00	184.01	0.10	184.53	0.15	185.05	2.42
183.50	0.00	184.02	0.10	184.54	0.15	185.06	2.52
183.51	0.00	184.03	0.10	184.55	0.16	185.07	2.63

Stage-Discharge for Pond B-49: Basin #49 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
185.08	2.75	185.60	8.30	186.12	9.33	186.64	10.26
185.09	2.86	185.61	8.33	186.13	9.35	186.65	10.28
185.10	2.97	185.62	8.35	186.14	9.37	186.66	10.29
185.11	3.09	185.63	8.37	186.15	9.39	186.67	10.31
185.12	3.20	185.64	8.39	186.16	9.41	186.68	10.33
185.13	3.32	185.65	8.41	186.17	9.43	186.69	10.34
185.14	3.44	185.66	8.43	186.18	9.44	186.70	10.36
185.15	3.56	185.67	8.45	186.19	9.46	186.71	10.38
185.16	3.69	185.68	8.47	186.20	9.48	186.72	10.40
185.17	3.81	185.69	8.49	186.21	9.50	186.73	10.41
185.18	3.94	185.70	8.51	186.22	9.52	186.74	10.43
185.19	4.06	185.71	8.53	186.23	9.54	186.75	10.45
185.20	4.19	185.72	8.55	186.24	9.56	186.76	10.46
185.21	4.32	185.73	8.57	186.25	9.57	186.77	10.48
185.22	4.45	185.74	8.59	186.26	9.59	186.78	10.50
185.23	4.58	185.75	8.61	186.27	9.61	186.79	10.51
185.24	4.72	185.76	8.63	186.28	9.63	186.80	10.53
185.25	4.85	185.77	8.65	186.29	9.65	186.81	10.55
185.26	4.99	185.78	8.67	186.30	9.66	186.82	10.56
185.27	5.12	185.79	8.69	186.31	9.68	186.83	10.58
185.28	5.26	185.80	8.71	186.32	9.70	186.84	10.59
185.29	5.40	185.81	8.73	186.33	9.72	186.85	10.61
185.30	5.54	185.82	8.75	186.34	9.74	186.86	10.63
185.31	5.68	185.83	8.77	186.35	9.75	186.87	10.64
185.32	5.82	185.84	8.79	186.36	9.77	186.88	10.66
185.33	5.97	185.85	8.81	186.37	9.79	186.89	10.68
185.34	6.11	185.86	8.83	186.38	9.81	186.90	10.69
185.35	6.26	185.87	8.85	186.39	9.83	186.91	10.71
185.36	6.40	185.88	8.87	186.40	9.84	186.92	10.73
185.37	6.55	185.89	8.89	186.41	9.86	186.93	10.74
185.38	6.70	185.90	8.91	186.42	9.88	186.94	10.76
185.39	6.85	185.91	8.93	186.43	9.90	186.95	10.77
185.40	7.00	185.92	8.95	186.44	9.91	186.96	10.79
185.41	7.15	185.93	8.97	186.45	9.93	186.97	10.81
185.42	7.30	185.94	8.99	186.46	9.95	186.98	10.82
185.43	7.46	185.95	9.01	186.47	9.97	186.99	10.84
185.44	7.61	185.96	9.03	186.48	9.98	187.00	10.86
185.45	7.77	185.97	9.05	186.49	10.00	187.01	10.87
185.46	7.92	185.98	9.07	186.50	10.02	187.02	10.89
185.47	8.03	185.99	9.09	186.51	10.04	187.03	10.90
185.48	8.05	186.00	9.11	186.52	10.05	187.04	10.92
185.49	8.07	186.01	9.13	186.53	10.07	187.05	10.94
185.50	8.09	186.02	9.14	186.54	10.09	187.06	10.95
185.51	8.11	186.03	9.16	186.55	10.11	187.07	10.97
185.52	8.13	186.04	9.18	186.56	10.12	187.08	10.98
185.53	8.16	186.05	9.20	186.57	10.14	187.09	11.00
185.54	8.18	186.06	9.22	186.58	10.16	187.10	11.01
185.55	8.20	186.07	9.24	186.59	10.17	187.11	11.03
185.56	8.22	186.08	9.26	186.60	10.19	187.12	11.05
185.57	8.24	186.09	9.28	186.61	10.21	187.13	11.06
185.58	8.26	186.10	9.30	186.62	10.23	187.14	11.08
185.59	8.28	186.11	9.31	186.63	10.24	187.15	11.09

Stage-Discharge for Pond B-49: Basin #49 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
187.16	11.11	187.68	11.90	188.20	42.16
187.17	11.13	187.69	11.91	188.21	43.16
187.18	11.14	187.70	11.93	188.22	44.18
187.19	11.16	187.71	11.94	188.23	45.20
187.20	11.17	187.72	11.96	188.24	46.23
187.21	11.19	187.73	11.97	188.25	47.28
187.22	11.20	187.74	11.99	188.26	48.33
187.23	11.22	187.75	12.00	188.27	49.39
187.24	11.23	187.76	12.11	188.28	50.47
187.25	11.25	187.77	12.31	188.29	51.55
187.26	11.27	187.78	12.55	188.30	52.64
187.27	11.28	187.79	12.84	188.31	53.75
187.28	11.30	187.80	13.17	188.32	54.86
187.29	11.31	187.81	13.53	188.33	55.98
187.30	11.33	187.82	13.92	188.34	57.11
187.31	11.34	187.83	14.34	188.35	58.25
187.32	11.36	187.84	14.78	188.36	59.40
187.33	11.37	187.85	15.25	188.37	60.56
187.34	11.39	187.86	15.74	188.38	61.73
187.35	11.40	187.87	16.25	188.39	62.91
187.36	11.42	187.88	16.78	188.40	64.10
187.37	11.43	187.89	17.34	188.41	65.29
187.38	11.45	187.90	17.91	188.42	66.50
187.39	11.47	187.91	18.50	188.43	67.71
187.40	11.48	187.92	19.11	188.44	68.93
187.41	11.50	187.93	19.74	188.45	70.16
187.42	11.51	187.94	20.39	188.46	71.40
187.43	11.53	187.95	21.05	188.47	72.65
187.44	11.54	187.96	21.73	188.48	73.91
187.45	11.56	187.97	22.42	188.49	75.17
187.46	11.57	187.98	23.14	188.50	**76.45**
187.47	11.59	187.99	23.86		
187.48	11.60	188.00	24.60		
187.49	11.62	188.01	25.36		
187.50	11.63	188.02	26.13		
187.51	11.65	188.03	26.91		
187.52	11.66	188.04	27.71		
187.53	11.68	188.05	28.52		
187.54	11.69	188.06	29.34		
187.55	11.71	188.07	30.18		
187.56	11.72	188.08	31.03		
187.57	11.74	188.09	31.89		
187.58	11.75	188.10	32.77		
187.59	11.77	188.11	33.65		
187.60	11.78	188.12	34.55		
187.61	11.80	188.13	35.46		
187.62	11.81	188.14	36.39		
187.63	11.83	188.15	37.32		
187.64	11.84	188.16	38.27		
187.65	11.85	188.17	39.22		
187.66	11.87	188.18	40.19		
187.67	11.88	188.19	41.17		

Stage-Area-Storage for Pond B-49: Basin #49

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
183.00	6,565	0	183.52	7,116	3,557
183.01	6,576	66	183.53	7,127	3,628
183.02	6,586	132	183.54	7,137	3,700
183.03	6,597	197	183.55	7,148	3,771
183.04	6,607	263	183.56	7,159	3,843
183.05	6,618	330	183.57	7,169	3,914
183.06	6,629	396	183.58	7,180	3,986
183.07	6,639	462	183.59	7,190	4,058
183.08	6,650	529	183.60	7,201	4,130
183.09	6,660	595	183.61	7,212	4,202
183.10	6,671	662	183.62	7,222	4,274
183.11	6,682	729	183.63	7,233	4,346
183.12	6,692	795	183.64	7,243	4,419
183.13	6,703	862	183.65	7,254	4,491
183.14	6,713	929	183.66	7,265	4,564
183.15	6,724	997	183.67	7,275	4,636
183.16	6,735	1,064	183.68	7,286	4,709
183.17	6,745	1,131	183.69	7,296	4,782
183.18	6,756	1,199	183.70	7,307	4,855
183.19	6,766	1,266	183.71	7,318	4,928
183.20	6,777	1,334	183.72	7,328	5,002
183.21	6,788	1,402	183.73	7,339	5,075
183.22	6,798	1,470	183.74	7,349	5,148
183.23	6,809	1,538	183.75	7,360	5,222
183.24	6,819	1,606	183.76	7,371	5,296
183.25	6,830	1,674	183.77	7,381	5,369
183.26	6,841	1,743	183.78	7,392	5,443
183.27	6,851	1,811	183.79	7,402	5,517
183.28	6,862	1,880	183.80	7,413	5,591
183.29	6,872	1,948	183.81	7,424	5,665
183.30	6,883	2,017	183.82	7,434	5,740
183.31	6,894	2,086	183.83	7,445	5,814
183.32	6,904	2,155	183.84	7,455	5,889
183.33	6,915	2,224	183.85	7,466	5,963
183.34	6,925	2,293	183.86	7,477	6,038
183.35	6,936	2,363	183.87	7,487	6,113
183.36	6,947	2,432	183.88	7,498	6,188
183.37	6,957	2,502	183.89	7,508	6,263
183.38	6,968	2,571	183.90	7,519	6,338
183.39	6,978	2,641	183.91	7,530	6,413
183.40	6,989	2,711	183.92	7,540	6,488
183.41	7,000	2,781	183.93	7,551	6,564
183.42	7,010	2,851	183.94	7,561	6,639
183.43	7,021	2,921	183.95	7,572	6,715
183.44	7,031	2,991	183.96	7,583	6,791
183.45	7,042	3,062	183.97	7,593	6,867
183.46	7,053	3,132	183.98	7,604	6,943
183.47	7,063	3,203	183.99	7,614	7,019
183.48	7,074	3,273	184.00	7,625	7,095
183.49	7,084	3,344	184.01	7,636	7,171
183.50	7,095	3,415	184.02	7,647	7,248
183.51	7,106	3,486	184.03	7,658	7,324

Stage-Area-Storage for Pond B-49: Basin #49 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
184.04	7,669	7,401	184.56	8,237	11,536
184.05	7,680	7,478	184.57	8,247	11,619
184.06	7,691	7,554	184.58	8,258	11,701
184.07	7,701	7,631	184.59	8,269	11,784
184.08	7,712	7,708	184.60	8,280	11,867
184.09	7,723	7,786	184.61	8,291	11,949
184.10	7,734	7,863	184.62	8,302	12,032
184.11	7,745	7,940	184.63	8,313	12,115
184.12	7,756	8,018	184.64	8,324	12,199
184.13	7,767	8,095	184.65	8,335	12,282
184.14	7,778	8,173	184.66	8,346	12,365
184.15	7,789	8,251	184.67	8,357	12,449
184.16	7,800	8,329	184.68	8,368	12,532
184.17	7,811	8,407	184.69	8,378	12,616
184.18	7,822	8,485	184.70	8,389	12,700
184.19	7,832	8,563	184.71	8,400	12,784
184.20	7,843	8,642	184.72	8,411	12,868
184.21	7,854	8,720	184.73	8,422	12,952
184.22	7,865	8,799	184.74	8,433	13,036
184.23	7,876	8,878	184.75	8,444	13,121
184.24	7,887	8,956	184.76	8,455	13,205
184.25	7,898	9,035	184.77	8,466	13,290
184.26	7,909	9,114	184.78	8,477	13,375
184.27	7,920	9,194	184.79	8,488	13,460
184.28	7,931	9,273	184.80	8,499	13,544
184.29	7,942	9,352	184.81	8,510	13,629
184.30	7,953	9,432	184.82	8,520	13,715
184.31	7,964	9,511	184.83	8,531	13,800
184.32	7,974	9,591	184.84	8,542	13,885
184.33	7,985	9,671	184.85	8,553	13,971
184.34	7,996	9,751	184.86	8,564	14,056
184.35	8,007	9,831	184.87	8,575	14,142
184.36	8,018	9,911	184.88	8,586	14,228
184.37	8,029	9,991	184.89	8,597	14,314
184.38	8,040	10,071	184.90	8,608	14,400
184.39	8,051	10,152	184.91	8,619	14,486
184.40	8,062	10,232	184.92	8,630	14,572
184.41	8,073	10,313	184.93	8,641	14,658
184.42	8,084	10,394	184.94	8,651	14,745
184.43	8,095	10,475	184.95	8,662	14,832
184.44	8,105	10,556	184.96	8,673	14,918
184.45	8,116	10,637	184.97	8,684	15,005
184.46	8,127	10,718	184.98	8,695	15,092
184.47	8,138	10,799	184.99	8,706	15,179
184.48	8,149	10,881	185.00	8,717	15,266
184.49	8,160	10,962	185.01	8,728	15,353
184.50	8,171	11,044	185.02	8,740	15,441
184.51	8,182	11,126	185.03	8,751	15,528
184.52	8,193	11,208	185.04	8,762	15,616
184.53	8,204	11,290	185.05	8,774	15,703
184.54	8,215	11,372	185.06	8,785	15,791
184.55	8,226	11,454	185.07	8,797	15,879

Stage-Area-Storage for Pond B-49: Basin #49 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
185.08	8,808	15,967	185.60	9,399	20,701
185.09	8,819	16,055	185.61	9,410	20,795
185.10	8,831	16,143	185.62	9,421	20,889
185.11	8,842	16,232	185.63	9,433	20,983
185.12	8,853	16,320	185.64	9,444	21,078
185.13	8,865	16,409	185.65	9,455	21,172
185.14	8,876	16,498	185.66	9,467	21,267
185.15	8,887	16,586	185.67	9,478	21,361
185.16	8,899	16,675	185.68	9,489	21,456
185.17	8,910	16,764	185.69	9,501	21,551
185.18	8,921	16,853	185.70	9,512	21,646
185.19	8,933	16,943	185.71	9,524	21,741
185.20	8,944	17,032	185.72	9,535	21,837
185.21	8,956	17,122	185.73	9,546	21,932
185.22	8,967	17,211	185.74	9,558	22,028
185.23	8,978	17,301	185.75	9,569	22,123
185.24	8,990	17,391	185.76	9,580	22,219
185.25	9,001	17,481	185.77	9,592	22,315
185.26	9,012	17,571	185.78	9,603	22,411
185.27	9,024	17,661	185.79	9,614	22,507
185.28	9,035	17,751	185.80	9,626	22,603
185.29	9,046	17,842	185.81	9,637	22,699
185.30	9,058	17,932	185.82	9,649	22,796
185.31	9,069	18,023	185.83	9,660	22,892
185.32	9,081	18,114	185.84	9,671	22,989
185.33	9,092	18,204	185.85	9,683	23,086
185.34	9,103	18,295	185.86	9,694	23,183
185.35	9,115	18,387	185.87	9,705	23,280
185.36	9,126	18,478	185.88	9,717	23,377
185.37	9,137	18,569	185.89	9,728	23,474
185.38	9,149	18,660	185.90	9,739	23,571
185.39	9,160	18,752	185.91	9,751	23,669
185.40	9,171	18,844	185.92	9,762	23,766
185.41	9,183	18,935	185.93	9,773	23,864
185.42	9,194	19,027	185.94	9,785	23,962
185.43	9,205	19,119	185.95	9,796	24,060
185.44	9,217	19,211	185.96	9,808	24,158
185.45	9,228	19,304	185.97	9,819	24,256
185.46	9,240	19,396	185.98	9,830	24,354
185.47	9,251	19,488	185.99	9,842	24,453
185.48	9,262	19,581	186.00	9,853	24,551
185.49	9,274	19,674	186.01	9,865	24,650
185.50	9,285	19,767	186.02	9,876	24,748
185.51	9,296	19,859	186.03	9,888	24,847
185.52	9,308	19,952	186.04	9,900	24,946
185.53	9,319	20,046	186.05	9,912	25,045
185.54	9,330	20,139	186.06	9,923	25,144
185.55	9,342	20,232	186.07	9,935	25,244
185.56	9,353	20,326	186.08	9,947	25,343
185.57	9,365	20,419	186.09	9,959	25,443
185.58	9,376	20,513	186.10	9,970	25,542
185.59	9,387	20,607	186.11	9,982	25,642

Stage-Area-Storage for Pond B-49: Basin #49 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
186.12	9,994	25,742	186.64	10,604	31,097
186.13	10,006	25,842	186.65	10,616	31,203
186.14	10,017	25,942	186.66	10,628	31,310
186.15	10,029	26,042	186.67	10,640	31,416
186.16	10,041	26,143	186.68	10,651	31,522
186.17	10,053	26,243	186.69	10,663	31,629
186.18	10,064	26,344	186.70	10,675	31,736
186.19	10,076	26,444	186.71	10,687	31,843
186.20	10,088	26,545	186.72	10,698	31,949
186.21	10,100	26,646	186.73	10,710	32,057
186.22	10,111	26,747	186.74	10,722	32,164
186.23	10,123	26,848	186.75	10,734	32,271
186.24	10,135	26,950	186.76	10,745	32,378
186.25	10,147	27,051	186.77	10,757	32,486
186.26	10,158	27,152	186.78	10,769	32,593
186.27	10,170	27,254	186.79	10,780	32,701
186.28	10,182	27,356	186.80	10,792	32,809
186.29	10,193	27,458	186.81	10,804	32,917
186.30	10,205	27,560	186.82	10,816	33,025
186.31	10,217	27,662	186.83	10,827	33,133
186.32	10,229	27,764	186.84	10,839	33,242
186.33	10,240	27,866	186.85	10,851	33,350
186.34	10,252	27,969	186.86	10,863	33,459
186.35	10,264	28,071	186.87	10,874	33,567
186.36	10,276	28,174	186.88	10,886	33,676
186.37	10,287	28,277	186.89	10,898	33,785
186.38	10,299	28,380	186.90	10,910	33,894
186.39	10,311	28,483	186.91	10,921	34,003
186.40	10,323	28,586	186.92	10,933	34,113
186.41	10,334	28,689	186.93	10,945	34,222
186.42	10,346	28,793	186.94	10,957	34,331
186.43	10,358	28,896	186.95	10,968	34,441
186.44	10,370	29,000	186.96	10,980	34,551
186.45	10,381	29,104	186.97	10,992	34,661
186.46	10,393	29,208	186.98	11,004	34,771
186.47	10,405	29,312	186.99	11,015	34,881
186.48	10,417	29,416	187.00	11,027	34,991
186.49	10,428	29,520	187.01	11,040	35,101
186.50	10,440	29,624	187.02	11,053	35,212
186.51	10,452	29,729	187.03	11,066	35,322
186.52	10,463	29,833	187.04	11,079	35,433
186.53	10,475	29,938	187.05	11,092	35,544
186.54	10,487	30,043	187.06	11,105	35,655
186.55	10,499	30,148	187.07	11,118	35,766
186.56	10,510	30,253	187.08	11,131	35,877
186.57	10,522	30,358	187.09	11,145	35,989
186.58	10,534	30,463	187.10	11,158	36,100
186.59	10,546	30,569	187.11	11,171	36,212
186.60	10,557	30,674	187.12	11,184	36,324
186.61	10,569	30,780	187.13	11,197	36,436
186.62	10,581	30,886	187.14	11,210	36,548
186.63	10,593	30,991	187.15	11,223	36,660

Stage-Area-Storage for Pond B-49: Basin #49 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
187.16	11,236	36,772	187.68	11,915	42,791
187.17	11,249	36,884	187.69	11,928	42,911
187.18	11,262	36,997	187.70	11,941	43,030
187.19	11,275	37,110	187.71	11,954	43,149
187.20	11,288	37,223	187.72	11,967	43,269
187.21	11,301	37,335	187.73	11,980	43,389
187.22	11,314	37,449	187.74	11,993	43,509
187.23	11,327	37,562	187.75	12,007	43,629
187.24	11,340	37,675	187.76	12,020	43,749
187.25	11,354	37,789	187.77	12,033	43,869
187.26	11,367	37,902	187.78	12,046	43,989
187.27	11,380	38,016	187.79	12,059	44,110
187.28	11,393	38,130	187.80	12,072	44,231
187.29	11,406	38,244	187.81	12,085	44,351
187.30	11,419	38,358	187.82	12,098	44,472
187.31	11,432	38,472	187.83	12,111	44,593
187.32	11,445	38,587	187.84	12,124	44,714
187.33	11,458	38,701	187.85	12,137	44,836
187.34	11,471	38,816	187.86	12,150	44,957
187.35	11,484	38,930	187.87	12,163	45,079
187.36	11,497	39,045	187.88	12,176	45,200
187.37	11,510	39,160	187.89	12,189	45,322
187.38	11,523	39,276	187.90	12,202	45,444
187.39	11,536	39,391	187.91	12,215	45,566
187.40	11,549	39,506	187.92	12,229	45,689
187.41	11,562	39,622	187.93	12,242	45,811
187.42	11,576	39,738	187.94	12,255	45,933
187.43	11,589	39,853	187.95	12,268	46,056
187.44	11,602	39,969	187.96	12,281	46,179
187.45	11,615	40,085	187.97	12,294	46,302
187.46	11,628	40,202	187.98	12,307	46,425
187.47	11,641	40,318	187.99	12,320	46,548
187.48	11,654	40,434	188.00	12,333	46,671
187.49	11,667	40,551	188.01	12,345	46,794
187.50	11,680	40,668	188.02	12,358	46,918
187.51	11,693	40,785	188.03	12,370	47,042
187.52	11,706	40,902	188.04	12,383	47,165
187.53	11,719	41,019	188.05	12,395	47,289
187.54	11,732	41,136	188.06	12,408	47,413
187.55	11,745	41,253	188.07	12,420	47,537
187.56	11,758	41,371	188.08	12,433	47,662
187.57	11,771	41,489	188.09	12,445	47,786
187.58	11,784	41,606	188.10	12,458	47,911
187.59	11,798	41,724	188.11	12,470	48,035
187.60	11,811	41,842	188.12	12,483	48,160
187.61	11,824	41,960	188.13	12,495	48,285
187.62	11,837	42,079	188.14	12,507	48,410
187.63	11,850	42,197	188.15	12,520	48,535
187.64	11,863	42,316	188.16	12,532	48,660
187.65	11,876	42,434	188.17	12,545	48,786
187.66	11,889	42,553	188.18	12,557	48,911
187.67	11,902	42,672	188.19	12,570	49,037

Stage-Area-Storage for Pond B-49: Basin #49 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
188.20	12,582	49,163
188.21	12,595	49,288
188.22	12,607	49,414
188.23	12,620	49,541
188.24	12,632	49,667
188.25	12,645	49,793
188.26	12,657	49,920
188.27	12,669	50,046
188.28	12,682	50,173
188.29	12,694	50,300
188.30	12,707	50,427
188.31	12,719	50,554
188.32	12,732	50,681
188.33	12,744	50,809
188.34	12,757	50,936
188.35	12,769	51,064
188.36	12,782	51,192
188.37	12,794	51,319
188.38	12,806	51,448
188.39	12,819	51,576
188.40	12,831	51,704
188.41	12,844	51,832
188.42	12,856	51,961
188.43	12,869	52,089
188.44	12,881	52,218
188.45	12,894	52,347
188.46	12,906	52,476
188.47	12,919	52,605
188.48	12,931	52,734
188.49	12,944	52,864
188.50	**12,956**	**52,993**

Summary for Pond B-50: Basin #50

Inflow Area = 2.262 ac, 29.27% Impervious, Inflow Depth = 8.62" for Future 100 yr event
Inflow = 22.72 cfs @ 12.11 hrs, Volume= 1.624 af
Outflow = 2.56 cfs @ 12.85 hrs, Volume= 1.070 af, Atten= 89%, Lag= 44.4 min
Primary = 2.56 cfs @ 12.85 hrs, Volume= 1.070 af
Routed to Link PDA-5 : Proposed Drainage Area #5

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 187.81' @ 12.85 hrs Surf.Area= 13,979 sf Storage= 43,270 cf

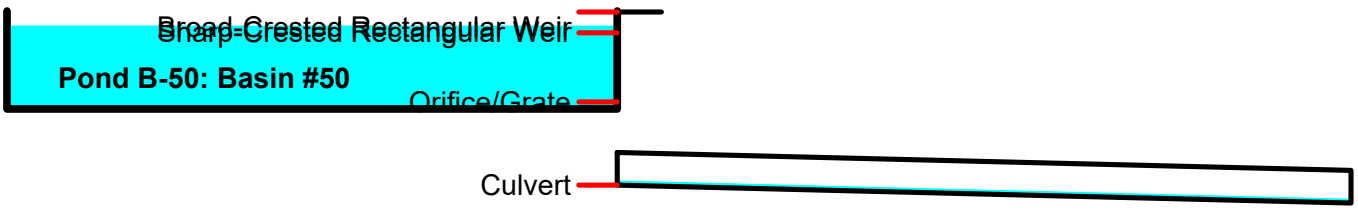
Plug-Flow detention time= 571.3 min calculated for 1.069 af (66% of inflow)
Center-of-Mass det. time= 469.7 min (1,250.0 - 780.3)

Volume	Invert	Avail.Storage	Storage Description
#1	184.00'	53,209 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

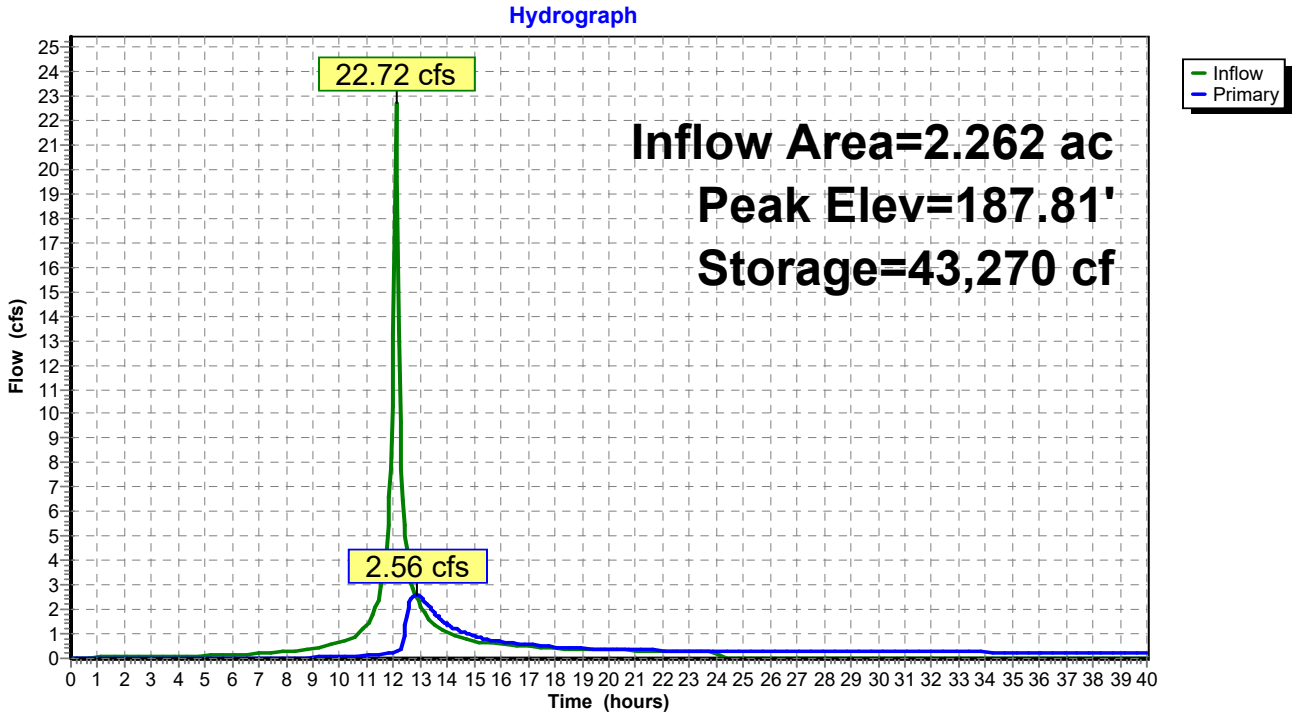
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
184.00	8,805	0	0
185.00	10,108	9,457	9,457
186.00	11,448	10,778	20,235
187.00	12,826	12,137	32,372
188.00	14,244	13,535	45,907
188.50	14,966	7,303	53,209

Device	Routing	Invert	Outlet Devices
#1	Primary	180.50'	**18.0" Round Culvert** L= 83.0' Ke= 0.500 Inlet / Outlet Invert= 180.50' / 179.67' S= 0.0100 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	184.32'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	187.50'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	188.45'	**30.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=2.56 cfs @ 12.85 hrs HW=187.81' (Free Discharge)
- **1=Culvert** (Passes 2.56 cfs of 21.04 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.30 cfs @ 8.86 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 2.26 cfs @ 1.83 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-50: Basin #50



Hydrograph for Pond B-50: Basin #50

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	184.00	0.00
0.10	0.00	0	184.00	0.00
0.20	0.00	0	184.00	0.00
0.30	0.00	0	184.00	0.00
0.40	0.00	0	184.00	0.00
0.50	0.01	3	184.00	0.00
0.60	0.02	7	184.00	0.00
0.70	0.02	15	184.00	0.00
0.80	0.03	24	184.00	0.00
0.90	0.03	35	184.00	0.00
1.00	0.04	48	184.01	0.00
1.10	0.04	63	184.01	0.00
1.20	0.05	79	184.01	0.00
1.30	0.05	96	184.01	0.00
1.40	0.05	114	184.01	0.00
1.50	0.06	133	184.02	0.00
1.60	0.06	154	184.02	0.00
1.70	0.06	175	184.02	0.00
1.80	0.06	197	184.02	0.00
1.90	0.07	220	184.02	0.00
2.00	0.07	244	184.03	0.00
2.10	0.07	268	184.03	0.00
2.20	0.07	293	184.03	0.00
2.30	0.07	319	184.04	0.00
2.40	0.07	346	184.04	0.00
2.50	0.08	373	184.04	0.00
2.60	0.08	400	184.05	0.00
2.70	0.08	428	184.05	0.00
2.80	0.08	457	184.05	0.00
2.90	0.08	486	184.05	0.00
3.00	0.08	516	184.06	0.00
3.10	0.08	546	184.06	0.00
3.20	0.09	577	184.07	0.00
3.30	0.09	608	184.07	0.00
3.40	0.09	640	184.07	0.00
3.50	0.09	672	184.08	0.00
3.60	0.09	704	184.08	0.00
3.70	0.09	737	184.08	0.00
3.80	0.09	770	184.09	0.00
3.90	0.09	804	184.09	0.00
4.00	0.10	838	184.09	0.00
4.10	0.10	872	184.10	0.00
4.20	0.10	907	184.10	0.00
4.30	0.10	942	184.11	0.00
4.40	0.10	978	184.11	0.00
4.50	0.10	1,014	184.11	0.00
4.60	0.10	1,050	184.12	0.00
4.70	0.10	1,087	184.12	0.00
4.80	0.10	1,124	184.13	0.00
4.90	0.10	1,161	184.13	0.00
5.00	0.10	1,199	184.13	0.00
5.10	0.11	1,237	184.14	0.00

Hydrograph for Pond B-50: Basin #50 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.11	1,276	184.14	0.00
5.30	0.11	1,316	184.15	0.00
5.40	0.12	1,357	184.15	0.00
5.50	0.12	1,400	184.16	0.00
5.60	0.12	1,443	184.16	0.00
5.70	0.13	1,489	184.17	0.00
5.80	0.13	1,535	184.17	0.00
5.90	0.13	1,583	184.18	0.00
6.00	0.14	1,632	184.18	0.00
6.10	0.14	1,682	184.19	0.00
6.20	0.15	1,735	184.19	0.00
6.30	0.16	1,791	184.20	0.00
6.40	0.16	1,848	184.21	0.00
6.50	0.17	1,908	184.21	0.00
6.60	0.18	1,971	184.22	0.00
6.70	0.18	2,036	184.23	0.00
6.80	0.19	2,103	184.23	0.00
6.90	0.20	2,173	184.24	0.00
7.00	0.21	2,246	184.25	0.00
7.10	0.21	2,322	184.26	0.00
7.20	0.22	2,400	184.27	0.00
7.30	0.23	2,481	184.28	0.00
7.40	0.24	2,565	184.29	0.00
7.50	0.25	2,652	184.29	0.00
7.60	0.25	2,742	184.30	0.00
7.70	0.26	2,835	184.31	0.00
7.80	0.27	2,930	184.32	0.00
7.90	0.28	3,029	184.34	0.00
8.00	0.29	3,131	184.35	0.00
8.10	0.30	3,235	184.36	0.00
8.20	0.31	3,343	184.37	0.01
8.30	0.32	3,452	184.38	0.01
8.40	0.32	3,564	184.39	0.01
8.50	0.33	3,679	184.41	0.01
8.60	0.34	3,795	184.42	0.02
8.70	0.35	3,914	184.43	0.02
8.80	0.36	4,035	184.44	0.03
8.90	0.37	4,157	184.46	0.03
9.00	0.38	4,282	184.47	0.03
9.10	0.41	4,410	184.48	0.04
9.20	0.43	4,546	184.50	0.04
9.30	0.46	4,689	184.51	0.05
9.40	0.48	4,841	184.53	0.05
9.50	0.51	5,001	184.55	0.06
9.60	0.54	5,169	184.56	0.06
9.70	0.57	5,347	184.58	0.07
9.80	0.60	5,534	184.60	0.07
9.90	0.63	5,730	184.62	0.07
10.00	0.66	5,936	184.64	0.08
10.10	0.69	6,151	184.67	0.08
10.20	0.73	6,377	184.69	0.08
10.30	0.76	6,613	184.71	0.09

Hydrograph for Pond B-50: Basin #50 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.79	6,860	184.74	0.09
10.50	0.83	7,117	184.77	0.10
10.60	0.92	7,396	184.79	0.10
10.70	1.02	7,709	184.83	0.10
10.80	1.13	8,060	184.86	0.11
10.90	1.25	8,449	184.90	0.11
11.00	1.37	8,879	184.94	0.12
11.10	1.56	9,362	184.99	0.12
11.20	1.77	9,917	185.05	0.13
11.30	2.00	10,548	185.11	0.14
11.40	2.23	11,259	185.18	0.14
11.50	2.44	12,047	185.25	0.15
11.60	3.56	13,065	185.35	0.16
11.70	4.11	14,399	185.47	0.17
11.80	5.48	16,053	185.63	0.18
11.90	7.76	18,363	185.83	0.19
12.00	13.25	22,037	186.16	0.22
12.10	**22.67**	28,409	186.69	0.25
12.20	13.38	35,104	187.21	0.27
12.30	7.72	38,640	187.48	0.29
12.40	5.46	40,781	187.63	0.93
12.50	4.77	42,119	187.73	1.73
12.60	3.48	42,886	187.79	2.27
12.70	2.93	43,162	187.81	2.48
12.80	2.67	**43,261**	**187.81**	**2.56**
12.90	2.43	**43,257**	**187.81**	**2.55**
13.00	2.18	43,176	187.81	2.49
13.10	1.93	43,036	187.80	2.38
13.20	1.77	42,864	187.78	2.25
13.30	1.63	42,687	187.77	2.13
13.40	1.50	42,506	187.76	2.00
13.50	1.36	42,323	187.75	1.87
13.60	1.23	42,139	187.73	1.74
13.70	1.17	41,962	187.72	1.63
13.80	1.13	41,807	187.71	1.53
13.90	1.10	41,673	187.70	1.44
14.00	1.06	41,556	187.69	1.37
14.10	1.03	41,450	187.68	1.31
14.20	0.99	41,353	187.68	1.25
14.30	0.96	41,263	187.67	1.20
14.40	0.92	41,178	187.66	1.15
14.50	0.89	41,098	187.66	1.10
14.60	0.85	41,021	187.65	1.06
14.70	0.82	40,948	187.65	1.02
14.80	0.78	40,876	187.64	0.98
14.90	0.75	40,804	187.64	0.94
15.00	0.71	40,732	187.63	0.91
15.10	0.68	40,661	187.62	0.87
15.20	0.66	40,593	187.62	0.84
15.30	0.65	40,532	187.62	0.81
15.40	0.64	40,477	187.61	0.78
15.50	0.63	40,429	187.61	0.76

Hydrograph for Pond B-50: Basin #50 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.62	40,386	187.60	0.74
15.70	0.61	40,346	187.60	0.72
15.80	0.60	40,310	187.60	0.70
15.90	0.59	40,276	187.60	0.69
16.00	0.58	40,243	187.59	0.67
16.10	0.58	40,212	187.59	0.66
16.20	0.57	40,182	187.59	0.65
16.30	0.56	40,153	187.59	0.64
16.40	0.55	40,124	187.59	0.62
16.50	0.54	40,096	187.58	0.61
16.60	0.53	40,069	187.58	0.60
16.70	0.52	40,042	187.58	0.59
16.80	0.51	40,016	187.58	0.58
16.90	0.50	39,990	187.58	0.57
17.00	0.49	39,965	187.57	0.56
17.10	0.48	39,939	187.57	0.55
17.20	0.47	39,915	187.57	0.54
17.30	0.46	39,890	187.57	0.53
17.40	0.45	39,865	187.57	0.52
17.50	0.44	39,840	187.56	0.51
17.60	0.43	39,816	187.56	0.50
17.70	0.42	39,792	187.56	0.49
17.80	0.42	39,768	187.56	0.48
17.90	0.41	39,744	187.56	0.47
18.00	0.40	39,720	187.56	0.46
18.10	0.39	39,695	187.55	0.46
18.20	0.38	39,671	187.55	0.45
18.30	0.38	39,648	187.55	0.44
18.40	0.38	39,626	187.55	0.44
18.50	0.38	39,605	187.55	0.43
18.60	0.37	39,585	187.55	0.43
18.70	0.37	39,566	187.54	0.42
18.80	0.37	39,548	187.54	0.42
18.90	0.37	39,531	187.54	0.41
19.00	0.36	39,515	187.54	0.41
19.10	0.36	39,499	187.54	0.40
19.20	0.36	39,484	187.54	0.40
19.30	0.36	39,469	187.54	0.40
19.40	0.35	39,455	187.54	0.39
19.50	0.35	39,441	187.54	0.39
19.60	0.35	39,428	187.53	0.39
19.70	0.35	39,415	187.53	0.38
19.80	0.35	39,402	187.53	0.38
19.90	0.34	39,390	187.53	0.38
20.00	0.34	39,378	187.53	0.37
20.10	0.34	39,367	187.53	0.37
20.20	0.34	39,355	187.53	0.37
20.30	0.33	39,344	187.53	0.36
20.40	0.33	39,332	187.53	0.36
20.50	0.33	39,321	187.53	0.36
20.60	0.33	39,311	187.53	0.36
20.70	0.32	39,301	187.52	0.35

Hydrograph for Pond B-50: Basin #50 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.32	39,290	187.52	0.35
20.90	0.32	39,280	187.52	0.35
21.00	0.32	39,269	187.52	0.35
21.10	0.31	39,259	187.52	0.34
21.20	0.31	39,249	187.52	0.34
21.30	0.31	39,239	187.52	0.34
21.40	0.31	39,229	187.52	0.34
21.50	0.31	39,219	187.52	0.33
21.60	0.30	39,209	187.52	0.33
21.70	0.30	39,200	187.52	0.33
21.80	0.30	39,190	187.52	0.33
21.90	0.30	39,181	187.52	0.32
22.00	0.29	39,171	187.52	0.32
22.10	0.29	39,161	187.51	0.32
22.20	0.29	39,152	187.51	0.32
22.30	0.29	39,143	187.51	0.31
22.40	0.28	39,133	187.51	0.31
22.50	0.28	39,123	187.51	0.31
22.60	0.28	39,114	187.51	0.31
22.70	0.28	39,105	187.51	0.30
22.80	0.27	39,095	187.51	0.30
22.90	0.27	39,086	187.51	0.30
23.00	0.27	39,075	187.51	0.30
23.10	0.27	39,065	187.51	0.30
23.20	0.26	39,054	187.51	0.30
23.30	0.26	39,042	187.51	0.30
23.40	0.26	39,030	187.51	0.29
23.50	0.26	39,018	187.50	0.29
23.60	0.26	39,005	187.50	0.29
23.70	0.25	38,992	187.50	0.29
23.80	0.25	38,978	187.50	0.29
23.90	0.25	38,964	187.50	0.29
24.00	0.29	38,957	187.50	0.29
24.10	0.08	38,924	187.50	0.29
24.20	0.01	38,833	187.49	0.29
24.30	0.00	38,730	187.48	0.29
24.40	0.00	38,627	187.48	0.29
24.50	0.00	38,524	187.47	0.29
24.60	0.00	38,421	187.46	0.29
24.70	0.00	38,318	187.45	0.29
24.80	0.00	38,215	187.44	0.29
24.90	0.00	38,113	187.44	0.28
25.00	0.00	38,010	187.43	0.28
25.10	0.00	37,908	187.42	0.28
25.20	0.00	37,806	187.41	0.28
25.30	0.00	37,704	187.41	0.28
25.40	0.00	37,602	187.40	0.28
25.50	0.00	37,500	187.39	0.28
25.60	0.00	37,398	187.38	0.28
25.70	0.00	37,296	187.38	0.28
25.80	0.00	37,195	187.37	0.28
25.90	0.00	37,094	187.36	0.28

Hydrograph for Pond B-50: Basin #50 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	36,992	187.35	0.28
26.10	0.00	36,891	187.35	0.28
26.20	0.00	36,790	187.34	0.28
26.30	0.00	36,690	187.33	0.28
26.40	0.00	36,589	187.32	0.28
26.50	0.00	36,488	187.32	0.28
26.60	0.00	36,388	187.31	0.28
26.70	0.00	36,288	187.30	0.28
26.80	0.00	36,188	187.29	0.28
26.90	0.00	36,088	187.29	0.28
27.00	0.00	35,988	187.28	0.28
27.10	0.00	35,888	187.27	0.28
27.20	0.00	35,788	187.26	0.28
27.30	0.00	35,689	187.26	0.28
27.40	0.00	35,589	187.25	0.28
27.50	0.00	35,490	187.24	0.28
27.60	0.00	35,391	187.23	0.28
27.70	0.00	35,292	187.22	0.27
27.80	0.00	35,193	187.22	0.27
27.90	0.00	35,095	187.21	0.27
28.00	0.00	34,996	187.20	0.27
28.10	0.00	34,898	187.19	0.27
28.20	0.00	34,799	187.19	0.27
28.30	0.00	34,701	187.18	0.27
28.40	0.00	34,603	187.17	0.27
28.50	0.00	34,505	187.16	0.27
28.60	0.00	34,408	187.16	0.27
28.70	0.00	34,310	187.15	0.27
28.80	0.00	34,213	187.14	0.27
28.90	0.00	34,115	187.13	0.27
29.00	0.00	34,018	187.13	0.27
29.10	0.00	33,921	187.12	0.27
29.20	0.00	33,824	187.11	0.27
29.30	0.00	33,727	187.11	0.27
29.40	0.00	33,630	187.10	0.27
29.50	0.00	33,534	187.09	0.27
29.60	0.00	33,437	187.08	0.27
29.70	0.00	33,341	187.08	0.27
29.80	0.00	33,245	187.07	0.27
29.90	0.00	33,149	187.06	0.27
30.00	0.00	33,053	187.05	0.27
30.10	0.00	32,957	187.05	0.27
30.20	0.00	32,862	187.04	0.27
30.30	0.00	32,766	187.03	0.26
30.40	0.00	32,671	187.02	0.26
30.50	0.00	32,576	187.02	0.26
30.60	0.00	32,481	187.01	0.26
30.70	0.00	32,386	187.00	0.26
30.80	0.00	32,291	186.99	0.26
30.90	0.00	32,196	186.99	0.26
31.00	0.00	32,102	186.98	0.26
31.10	0.00	32,008	186.97	0.26

Hydrograph for Pond B-50: Basin #50 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	31,913	186.96	0.26
31.30	0.00	31,819	186.96	0.26
31.40	0.00	31,725	186.95	0.26
31.50	0.00	31,631	186.94	0.26
31.60	0.00	31,538	186.93	0.26
31.70	0.00	31,444	186.93	0.26
31.80	0.00	31,351	186.92	0.26
31.90	0.00	31,257	186.91	0.26
32.00	0.00	31,164	186.91	0.26
32.10	0.00	31,071	186.90	0.26
32.20	0.00	30,978	186.89	0.26
32.30	0.00	30,886	186.88	0.26
32.40	0.00	30,793	186.88	0.26
32.50	0.00	30,701	186.87	0.26
32.60	0.00	30,608	186.86	0.26
32.70	0.00	30,516	186.85	0.26
32.80	0.00	30,424	186.85	0.26
32.90	0.00	30,332	186.84	0.26
33.00	0.00	30,240	186.83	0.25
33.10	0.00	30,149	186.83	0.25
33.20	0.00	30,057	186.82	0.25
33.30	0.00	29,966	186.81	0.25
33.40	0.00	29,875	186.80	0.25
33.50	0.00	29,784	186.80	0.25
33.60	0.00	29,693	186.79	0.25
33.70	0.00	29,602	186.78	0.25
33.80	0.00	29,511	186.77	0.25
33.90	0.00	29,421	186.77	0.25
34.00	0.00	29,330	186.76	0.25
34.10	0.00	29,240	186.75	0.25
34.20	0.00	29,150	186.75	0.25
34.30	0.00	29,060	186.74	0.25
34.40	0.00	28,970	186.73	0.25
34.50	0.00	28,881	186.72	0.25
34.60	0.00	28,791	186.72	0.25
34.70	0.00	28,702	186.71	0.25
34.80	0.00	28,613	186.70	0.25
34.90	0.00	28,523	186.69	0.25
35.00	0.00	28,434	186.69	0.25
35.10	0.00	28,346	186.68	0.25
35.20	0.00	28,257	186.67	0.25
35.30	0.00	28,168	186.67	0.25
35.40	0.00	28,080	186.66	0.25
35.50	0.00	27,992	186.65	0.24
35.60	0.00	27,904	186.64	0.24
35.70	0.00	27,816	186.64	0.24
35.80	0.00	27,728	186.63	0.24
35.90	0.00	27,640	186.62	0.24
36.00	0.00	27,553	186.62	0.24
36.10	0.00	27,465	186.61	0.24
36.20	0.00	27,378	186.60	0.24
36.30	0.00	27,291	186.60	0.24

Hydrograph for Pond B-50: Basin #50 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	27,204	186.59	0.24
36.50	0.00	27,117	186.58	0.24
36.60	0.00	27,030	186.57	0.24
36.70	0.00	26,944	186.57	0.24
36.80	0.00	26,857	186.56	0.24
36.90	0.00	26,771	186.55	0.24
37.00	0.00	26,685	186.55	0.24
37.10	0.00	26,599	186.54	0.24
37.20	0.00	26,513	186.53	0.24
37.30	0.00	26,427	186.52	0.24
37.40	0.00	26,342	186.52	0.24
37.50	0.00	26,256	186.51	0.24
37.60	0.00	26,171	186.50	0.24
37.70	0.00	26,086	186.50	0.24
37.80	0.00	26,001	186.49	0.24
37.90	0.00	25,916	186.48	0.24
38.00	0.00	25,831	186.48	0.24
38.10	0.00	25,747	186.47	0.23
38.20	0.00	25,662	186.46	0.23
38.30	0.00	25,578	186.45	0.23
38.40	0.00	25,494	186.45	0.23
38.50	0.00	25,410	186.44	0.23
38.60	0.00	25,326	186.43	0.23
38.70	0.00	25,243	186.43	0.23
38.80	0.00	25,159	186.42	0.23
38.90	0.00	25,076	186.41	0.23
39.00	0.00	24,992	186.41	0.23
39.10	0.00	24,909	186.40	0.23
39.20	0.00	24,826	186.39	0.23
39.30	0.00	24,743	186.38	0.23
39.40	0.00	24,661	186.38	0.23
39.50	0.00	24,578	186.37	0.23
39.60	0.00	24,496	186.36	0.23
39.70	0.00	24,414	186.36	0.23
39.80	0.00	24,332	186.35	0.23
39.90	0.00	24,250	186.34	0.23
40.00	0.00	24,168	186.34	0.23

Stage-Discharge for Pond B-50: Basin #50

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
184.00	0.00	184.52	0.05	185.04	0.13	185.56	0.17
184.01	0.00	184.53	0.05	185.05	0.13	185.57	0.18
184.02	0.00	184.54	0.06	185.06	0.13	185.58	0.18
184.03	0.00	184.55	0.06	185.07	0.13	185.59	0.18
184.04	0.00	184.56	0.06	185.08	0.13	185.60	0.18
184.05	0.00	184.57	0.06	185.09	0.13	185.61	0.18
184.06	0.00	184.58	0.06	185.10	0.13	185.62	0.18
184.07	0.00	184.59	0.07	185.11	0.14	185.63	0.18
184.08	0.00	184.60	0.07	185.12	0.14	185.64	0.18
184.09	0.00	184.61	0.07	185.13	0.14	185.65	0.18
184.10	0.00	184.62	0.07	185.14	0.14	185.66	0.18
184.11	0.00	184.63	0.07	185.15	0.14	185.67	0.18
184.12	0.00	184.64	0.08	185.16	0.14	185.68	0.18
184.13	0.00	184.65	0.08	185.17	0.14	185.69	0.18
184.14	0.00	184.66	0.08	185.18	0.14	185.70	0.19
184.15	0.00	184.67	0.08	185.19	0.14	185.71	0.19
184.16	0.00	184.68	0.08	185.20	0.14	185.72	0.19
184.17	0.00	184.69	0.08	185.21	0.15	185.73	0.19
184.18	0.00	184.70	0.09	185.22	0.15	185.74	0.19
184.19	0.00	184.71	0.09	185.23	0.15	185.75	0.19
184.20	0.00	184.72	0.09	185.24	0.15	185.76	0.19
184.21	0.00	184.73	0.09	185.25	0.15	185.77	0.19
184.22	0.00	184.74	0.09	185.26	0.15	185.78	0.19
184.23	0.00	184.75	0.09	185.27	0.15	185.79	0.19
184.24	0.00	184.76	0.10	185.28	0.15	185.80	0.19
184.25	0.00	184.77	0.10	185.29	0.15	185.81	0.19
184.26	0.00	184.78	0.10	185.30	0.15	185.82	0.19
184.27	0.00	184.79	0.10	185.31	0.15	185.83	0.19
184.28	0.00	184.80	0.10	185.32	0.16	185.84	0.20
184.29	0.00	184.81	0.10	185.33	0.16	185.85	0.20
184.30	0.00	184.82	0.10	185.34	0.16	185.86	0.20
184.31	0.00	184.83	0.10	185.35	0.16	185.87	0.20
184.32	0.00	184.84	0.11	185.36	0.16	185.88	0.20
184.33	0.00	184.85	0.11	185.37	0.16	185.89	0.20
184.34	0.00	184.86	0.11	185.38	0.16	185.90	0.20
184.35	0.00	184.87	0.11	185.39	0.16	185.91	0.20
184.36	0.00	184.88	0.11	185.40	0.16	185.92	0.20
184.37	0.00	184.89	0.11	185.41	0.16	185.93	0.20
184.38	0.01	184.90	0.11	185.42	0.16	185.94	0.20
184.39	0.01	184.91	0.11	185.43	0.16	185.95	0.20
184.40	0.01	184.92	0.12	185.44	0.17	185.96	0.20
184.41	0.01	184.93	0.12	185.45	0.17	185.97	0.20
184.42	0.02	184.94	0.12	185.46	0.17	185.98	0.20
184.43	0.02	184.95	0.12	185.47	0.17	185.99	0.21
184.44	0.02	184.96	0.12	185.48	0.17	186.00	0.21
184.45	0.03	184.97	0.12	185.49	0.17	186.01	0.21
184.46	0.03	184.98	0.12	185.50	0.17	186.02	0.21
184.47	0.03	184.99	0.12	185.51	0.17	186.03	0.21
184.48	0.04	185.00	0.12	185.52	0.17	186.04	0.21
184.49	0.04	185.01	0.13	185.53	0.17	186.05	0.21
184.50	0.05	185.02	0.13	185.54	0.17	186.06	0.21
184.51	0.05	185.03	0.13	185.55	0.17	186.07	0.21

Stage-Discharge for Pond B-50: Basin #50 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
186.08	0.21	186.60	0.24	187.12	0.27	187.64	0.97
186.09	0.21	186.61	0.24	187.13	0.27	187.65	1.05
186.10	0.21	186.62	0.24	187.14	0.27	187.66	1.13
186.11	0.21	186.63	0.24	187.15	0.27	187.67	1.20
186.12	0.21	186.64	0.24	187.16	0.27	187.68	1.29
186.13	0.21	186.65	0.24	187.17	0.27	187.69	1.37
186.14	0.22	186.66	0.25	187.18	0.27	187.70	1.46
186.15	0.22	186.67	0.25	187.19	0.27	187.71	1.54
186.16	0.22	186.68	0.25	187.20	0.27	187.72	1.63
186.17	0.22	186.69	0.25	187.21	0.27	187.73	1.72
186.18	0.22	186.70	0.25	187.22	0.27	187.74	1.82
186.19	0.22	186.71	0.25	187.23	0.27	187.75	1.91
186.20	0.22	186.72	0.25	187.24	0.28	187.76	2.01
186.21	0.22	186.73	0.25	187.25	0.28	187.77	2.11
186.22	0.22	186.74	0.25	187.26	0.28	187.78	2.21
186.23	0.22	186.75	0.25	187.27	0.28	187.79	2.31
186.24	0.22	186.76	0.25	187.28	0.28	187.80	2.42
186.25	0.22	186.77	0.25	187.29	0.28	187.81	2.52
186.26	0.22	186.78	0.25	187.30	0.28	187.82	2.63
186.27	0.22	186.79	0.25	187.31	0.28	187.83	2.74
186.28	0.22	186.80	0.25	187.32	0.28	187.84	2.85
186.29	0.22	186.81	0.25	187.33	0.28	187.85	2.96
186.30	0.22	186.82	0.25	187.34	0.28	187.86	3.08
186.31	0.23	186.83	0.25	187.35	0.28	187.87	3.19
186.32	0.23	186.84	0.26	187.36	0.28	187.88	3.31
186.33	0.23	186.85	0.26	187.37	0.28	187.89	3.43
186.34	0.23	186.86	0.26	187.38	0.28	187.90	3.55
186.35	0.23	186.87	0.26	187.39	0.28	187.91	3.67
186.36	0.23	186.88	0.26	187.40	0.28	187.92	3.79
186.37	0.23	186.89	0.26	187.41	0.28	187.93	3.92
186.38	0.23	186.90	0.26	187.42	0.28	187.94	4.04
186.39	0.23	186.91	0.26	187.43	0.28	187.95	4.17
186.40	0.23	186.92	0.26	187.44	0.29	187.96	4.30
186.41	0.23	186.93	0.26	187.45	0.29	187.97	4.42
186.42	0.23	186.94	0.26	187.46	0.29	187.98	4.55
186.43	0.23	186.95	0.26	187.47	0.29	187.99	4.69
186.44	0.23	186.96	0.26	187.48	0.29	188.00	4.82
186.45	0.23	186.97	0.26	187.49	0.29	188.01	4.95
186.46	0.23	186.98	0.26	187.50	0.29	188.02	5.09
186.47	0.23	186.99	0.26	187.51	0.30	188.03	5.22
186.48	0.24	187.00	0.26	187.52	0.33	188.04	5.36
186.49	0.24	187.01	0.26	187.53	0.36	188.05	5.50
186.50	0.24	187.02	0.26	187.54	0.39	188.06	5.64
186.51	0.24	187.03	0.26	187.55	0.44	188.07	5.78
186.52	0.24	187.04	0.27	187.56	0.48	188.08	5.92
186.53	0.24	187.05	0.27	187.57	0.53	188.09	6.07
186.54	0.24	187.06	0.27	187.58	0.59	188.10	6.21
186.55	0.24	187.07	0.27	187.59	0.64	188.11	6.36
186.56	0.24	187.08	0.27	187.60	0.70	188.12	6.50
186.57	0.24	187.09	0.27	187.61	0.77	188.13	6.65
186.58	0.24	187.10	0.27	187.62	0.83	188.14	6.80
186.59	0.24	187.11	0.27	187.63	0.90	188.15	6.95

Stage-Discharge for Pond B-50: Basin #50 (continued)

Elevation (feet)	Primary (cfs)
188.16	7.10
188.17	7.25
188.18	7.40
188.19	7.56
188.20	7.71
188.21	7.87
188.22	8.02
188.23	8.18
188.24	8.34
188.25	8.50
188.26	8.66
188.27	8.82
188.28	8.98
188.29	9.14
188.30	9.31
188.31	9.47
188.32	9.64
188.33	9.80
188.34	9.97
188.35	10.14
188.36	10.31
188.37	10.48
188.38	10.65
188.39	10.82
188.40	10.99
188.41	11.17
188.42	11.34
188.43	11.51
188.44	11.69
188.45	11.87
188.46	12.11
188.47	12.42
188.48	12.76
188.49	13.14
188.50	**13.55**

Stage-Area-Storage for Pond B-50: Basin #50

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
184.00	8,805	0	184.52	9,483	4,755
184.01	8,818	88	184.53	9,496	4,850
184.02	8,831	176	184.54	9,509	4,945
184.03	8,844	265	184.55	9,522	5,040
184.04	8,857	353	184.56	9,535	5,135
184.05	8,870	442	184.57	9,548	5,231
184.06	8,883	531	184.58	9,561	5,326
184.07	8,896	620	184.59	9,574	5,422
184.08	8,909	709	184.60	9,587	5,518
184.09	8,922	798	184.61	9,600	5,613
184.10	8,935	887	184.62	9,613	5,710
184.11	8,948	976	184.63	9,626	5,806
184.12	8,961	1,066	184.64	9,639	5,902
184.13	8,974	1,156	184.65	9,652	5,999
184.14	8,987	1,245	184.66	9,665	6,095
184.15	9,000	1,335	184.67	9,678	6,192
184.16	9,013	1,425	184.68	9,691	6,289
184.17	9,027	1,516	184.69	9,704	6,386
184.18	9,040	1,606	184.70	9,717	6,483
184.19	9,053	1,696	184.71	9,730	6,580
184.20	9,066	1,787	184.72	9,743	6,677
184.21	9,079	1,878	184.73	9,756	6,775
184.22	9,092	1,969	184.74	9,769	6,872
184.23	9,105	2,060	184.75	9,782	6,970
184.24	9,118	2,151	184.76	9,795	7,068
184.25	9,131	2,242	184.77	9,808	7,166
184.26	9,144	2,333	184.78	9,821	7,264
184.27	9,157	2,425	184.79	9,834	7,363
184.28	9,170	2,516	184.80	9,847	7,461
184.29	9,183	2,608	184.81	9,860	7,559
184.30	9,196	2,700	184.82	9,873	7,658
184.31	9,209	2,792	184.83	9,886	7,757
184.32	9,222	2,884	184.84	9,900	7,856
184.33	9,235	2,977	184.85	9,913	7,955
184.34	9,248	3,069	184.86	9,926	8,054
184.35	9,261	3,162	184.87	9,939	8,153
184.36	9,274	3,254	184.88	9,952	8,253
184.37	9,287	3,347	184.89	9,965	8,353
184.38	9,300	3,440	184.90	9,978	8,452
184.39	9,313	3,533	184.91	9,991	8,552
184.40	9,326	3,626	184.92	10,004	8,652
184.41	9,339	3,720	184.93	10,017	8,752
184.42	9,352	3,813	184.94	10,030	8,852
184.43	9,365	3,907	184.95	10,043	8,953
184.44	9,378	4,000	184.96	10,056	9,053
184.45	9,391	4,094	184.97	10,069	9,154
184.46	9,404	4,188	184.98	10,082	9,255
184.47	9,417	4,282	184.99	10,095	9,355
184.48	9,430	4,377	185.00	10,108	9,457
184.49	9,443	4,471	185.01	10,121	9,558
184.50	9,457	4,565	185.02	10,135	9,659
184.51	9,470	4,660	185.03	10,148	9,760

Stage-Area-Storage for Pond B-50: Basin #50 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
185.04	10,162	9,862	185.56	10,858	15,327
185.05	10,175	9,964	185.57	10,872	15,436
185.06	10,188	10,065	185.58	10,885	15,545
185.07	10,202	10,167	185.59	10,899	15,653
185.08	10,215	10,269	185.60	10,912	15,762
185.09	10,229	10,372	185.61	10,925	15,872
185.10	10,242	10,474	185.62	10,939	15,981
185.11	10,255	10,576	185.63	10,952	16,090
185.12	10,269	10,679	185.64	10,966	16,200
185.13	10,282	10,782	185.65	10,979	16,310
185.14	10,296	10,885	185.66	10,992	16,420
185.15	10,309	10,988	185.67	11,006	16,530
185.16	10,322	11,091	185.68	11,019	16,640
185.17	10,336	11,194	185.69	11,033	16,750
185.18	10,349	11,298	185.70	11,046	16,860
185.19	10,363	11,401	185.71	11,059	16,971
185.20	10,376	11,505	185.72	11,073	17,082
185.21	10,389	11,609	185.73	11,086	17,192
185.22	10,403	11,713	185.74	11,100	17,303
185.23	10,416	11,817	185.75	11,113	17,414
185.24	10,430	11,921	185.76	11,126	17,526
185.25	10,443	12,025	185.77	11,140	17,637
185.26	10,456	12,130	185.78	11,153	17,748
185.27	10,470	12,235	185.79	11,167	17,860
185.28	10,483	12,339	185.80	11,180	17,972
185.29	10,497	12,444	185.81	11,193	18,084
185.30	10,510	12,549	185.82	11,207	18,196
185.31	10,523	12,654	185.83	11,220	18,308
185.32	10,537	12,760	185.84	11,234	18,420
185.33	10,550	12,865	185.85	11,247	18,532
185.34	10,564	12,971	185.86	11,260	18,645
185.35	10,577	13,076	185.87	11,274	18,758
185.36	10,590	13,182	185.88	11,287	18,870
185.37	10,604	13,288	185.89	11,301	18,983
185.38	10,617	13,394	185.90	11,314	19,096
185.39	10,631	13,501	185.91	11,327	19,210
185.40	10,644	13,607	185.92	11,341	19,323
185.41	10,657	13,713	185.93	11,354	19,436
185.42	10,671	13,820	185.94	11,368	19,550
185.43	10,684	13,927	185.95	11,381	19,664
185.44	10,698	14,034	185.96	11,394	19,778
185.45	10,711	14,141	185.97	11,408	19,892
185.46	10,724	14,248	185.98	11,421	20,006
185.47	10,738	14,355	185.99	11,435	20,120
185.48	10,751	14,463	186.00	11,448	20,235
185.49	10,765	14,570	186.01	11,462	20,349
185.50	10,778	14,678	186.02	11,476	20,464
185.51	10,791	14,786	186.03	11,489	20,579
185.52	10,805	14,894	186.04	11,503	20,694
185.53	10,818	15,002	186.05	11,517	20,809
185.54	10,832	15,110	186.06	11,531	20,924
185.55	10,845	15,219	186.07	11,544	21,039

Stage-Area-Storage for Pond B-50: Basin #50 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
186.08	11,558	21,155	186.60	12,275	27,351
186.09	11,572	21,270	186.61	12,289	27,474
186.10	11,586	21,386	186.62	12,302	27,597
186.11	11,600	21,502	186.63	12,316	27,720
186.12	11,613	21,618	186.64	12,330	27,843
186.13	11,627	21,734	186.65	12,344	27,967
186.14	11,641	21,851	186.66	12,357	28,090
186.15	11,655	21,967	186.67	12,371	28,214
186.16	11,668	22,084	186.68	12,385	28,338
186.17	11,682	22,201	186.69	12,399	28,462
186.18	11,696	22,317	186.70	12,413	28,586
186.19	11,710	22,434	186.71	12,426	28,710
186.20	11,724	22,552	186.72	12,440	28,834
186.21	11,737	22,669	186.73	12,454	28,959
186.22	11,751	22,786	186.74	12,468	29,083
186.23	11,765	22,904	186.75	12,482	29,208
186.24	11,779	23,022	186.76	12,495	29,333
186.25	11,793	23,140	186.77	12,509	29,458
186.26	11,806	23,258	186.78	12,523	29,583
186.27	11,820	23,376	186.79	12,537	29,708
186.28	11,834	23,494	186.80	12,550	29,834
186.29	11,848	23,612	186.81	12,564	29,959
186.30	11,861	23,731	186.82	12,578	30,085
186.31	11,875	23,850	186.83	12,592	30,211
186.32	11,889	23,968	186.84	12,606	30,337
186.33	11,903	24,087	186.85	12,619	30,463
186.34	11,917	24,206	186.86	12,633	30,589
186.35	11,930	24,326	186.87	12,647	30,716
186.36	11,944	24,445	186.88	12,661	30,842
186.37	11,958	24,565	186.89	12,674	30,969
186.38	11,972	24,684	186.90	12,688	31,096
186.39	11,985	24,804	186.91	12,702	31,223
186.40	11,999	24,924	186.92	12,716	31,350
186.41	12,013	25,044	186.93	12,730	31,477
186.42	12,027	25,164	186.94	12,743	31,604
186.43	12,041	25,285	186.95	12,757	31,732
186.44	12,054	25,405	186.96	12,771	31,860
186.45	12,068	25,526	186.97	12,785	31,987
186.46	12,082	25,646	186.98	12,798	32,115
186.47	12,096	25,767	186.99	12,812	32,243
186.48	12,109	25,888	187.00	12,826	32,372
186.49	12,123	26,009	187.01	12,840	32,500
186.50	12,137	26,131	187.02	12,854	32,628
186.51	12,151	26,252	187.03	12,869	32,757
186.52	12,165	26,374	187.04	12,883	32,886
186.53	12,178	26,495	187.05	12,897	33,015
186.54	12,192	26,617	187.06	12,911	33,144
186.55	12,206	26,739	187.07	12,925	33,273
186.56	12,220	26,861	187.08	12,939	33,402
186.57	12,233	26,984	187.09	12,954	33,532
186.58	12,247	27,106	187.10	12,968	33,661
186.59	12,261	27,229	187.11	12,982	33,791

Stage-Area-Storage for Pond B-50: Basin #50 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
187.12	12,996	33,921	187.64	13,734	40,871
187.13	13,010	34,051	187.65	13,748	41,008
187.14	13,025	34,181	187.66	13,762	41,146
187.15	13,039	34,311	187.67	13,776	41,283
187.16	13,053	34,442	187.68	13,790	41,421
187.17	13,067	34,572	187.69	13,804	41,559
187.18	13,081	34,703	187.70	13,819	41,697
187.19	13,095	34,834	187.71	13,833	41,835
187.20	13,110	34,965	187.72	13,847	41,974
187.21	13,124	35,096	187.73	13,861	42,112
187.22	13,138	35,228	187.74	13,875	42,251
187.23	13,152	35,359	187.75	13,890	42,390
187.24	13,166	35,491	187.76	13,904	42,529
187.25	13,181	35,622	187.77	13,918	42,668
187.26	13,195	35,754	187.78	13,932	42,807
187.27	13,209	35,886	187.79	13,946	42,947
187.28	13,223	36,018	187.80	13,960	43,086
187.29	13,237	36,151	187.81	13,975	43,226
187.30	13,251	36,283	187.82	13,989	43,366
187.31	13,266	36,416	187.83	14,003	43,506
187.32	13,280	36,548	187.84	14,017	43,646
187.33	13,294	36,681	187.85	14,031	43,786
187.34	13,308	36,814	187.86	14,045	43,926
187.35	13,322	36,947	187.87	14,060	44,067
187.36	13,336	37,081	187.88	14,074	44,207
187.37	13,351	37,214	187.89	14,088	44,348
187.38	13,365	37,348	187.90	14,102	44,489
187.39	13,379	37,481	187.91	14,116	44,630
187.40	13,393	37,615	187.92	14,131	44,772
187.41	13,407	37,749	187.93	14,145	44,913
187.42	13,422	37,883	187.94	14,159	45,054
187.43	13,436	38,018	187.95	14,173	45,196
187.44	13,450	38,152	187.96	14,187	45,338
187.45	13,464	38,287	187.97	14,201	45,480
187.46	13,478	38,421	187.98	14,216	45,622
187.47	13,492	38,556	187.99	14,230	45,764
187.48	13,507	38,691	188.00	14,244	45,907
187.49	13,521	38,826	188.01	14,258	46,049
187.50	13,535	38,962	188.02	14,273	46,192
187.51	13,549	39,097	188.03	14,287	46,334
187.52	13,563	39,233	188.04	14,302	46,477
187.53	13,578	39,368	188.05	14,316	46,621
187.54	13,592	39,504	188.06	14,331	46,764
187.55	13,606	39,640	188.07	14,345	46,907
187.56	13,620	39,776	188.08	14,360	47,051
187.57	13,634	39,913	188.09	14,374	47,194
187.58	13,648	40,049	188.10	14,388	47,338
187.59	13,663	40,186	188.11	14,403	47,482
187.60	13,677	40,322	188.12	14,417	47,626
187.61	13,691	40,459	188.13	14,432	47,770
187.62	13,705	40,596	188.14	14,446	47,915
187.63	13,719	40,733	188.15	14,461	48,059

Stage-Area-Storage for Pond B-50: Basin #50 (continued)

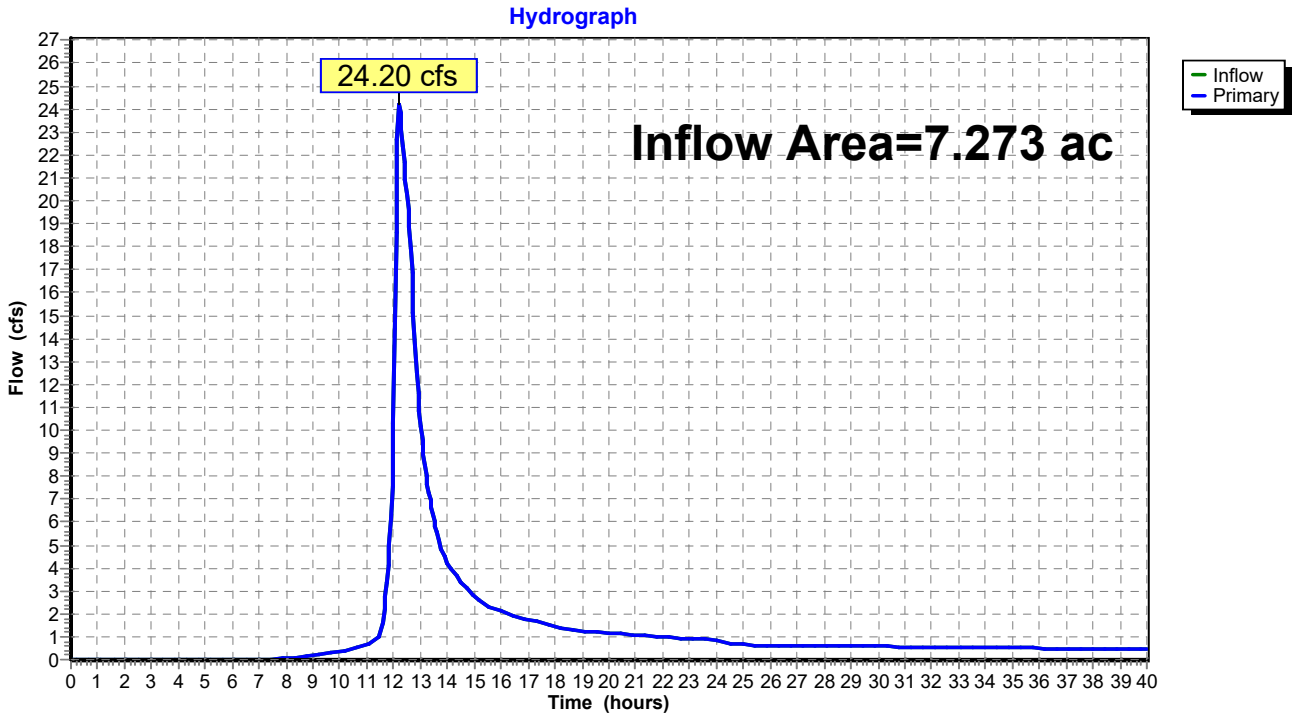
Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
188.16	14,475	48,204
188.17	14,489	48,349
188.18	14,504	48,494
188.19	14,518	48,639
188.20	14,533	48,784
188.21	14,547	48,930
188.22	14,562	49,075
188.23	14,576	49,221
188.24	14,591	49,367
188.25	14,605	49,513
188.26	14,619	49,659
188.27	14,634	49,805
188.28	14,648	49,951
188.29	14,663	50,098
188.30	14,677	50,245
188.31	14,692	50,392
188.32	14,706	50,539
188.33	14,721	50,686
188.34	14,735	50,833
188.35	14,749	50,980
188.36	14,764	51,128
188.37	14,778	51,276
188.38	14,793	51,423
188.39	14,807	51,571
188.40	14,822	51,720
188.41	14,836	51,868
188.42	14,850	52,016
188.43	14,865	52,165
188.44	14,879	52,314
188.45	14,894	52,463
188.46	14,908	52,612
188.47	14,923	52,761
188.48	14,937	52,910
188.49	14,952	53,059
188.50	**14,966**	**53,209**

Summary for Link PDA-5: Proposed Drainage Area #5

Inflow Area = 7.273 ac, 32.33% Impervious, Inflow Depth > 7.15" for Future 100 yr event
Inflow = 24.20 cfs @ 12.22 hrs, Volume= 4.335 af
Primary = 24.20 cfs @ 12.22 hrs, Volume= 4.335 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link PDA-5: Proposed Drainage Area #5



Hydrograph for Link PDA-5: Proposed Drainage Area #5

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link PDA-5: Proposed Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.04	0.00	0.04
5.25	0.00	0.00	0.00	7.85	0.04	0.00	0.04
5.30	0.00	0.00	0.00	7.90	0.05	0.00	0.05
5.35	0.00	0.00	0.00	7.95	0.05	0.00	0.05
5.40	0.00	0.00	0.00	8.00	0.05	0.00	0.05
5.45	0.00	0.00	0.00	8.05	0.05	0.00	0.05
5.50	0.00	0.00	0.00	8.10	0.06	0.00	0.06
5.55	0.00	0.00	0.00	8.15	0.06	0.00	0.06
5.60	0.00	0.00	0.00	8.20	0.06	0.00	0.06
5.65	0.01	0.00	0.01	8.25	0.07	0.00	0.07
5.70	0.01	0.00	0.01	8.30	0.07	0.00	0.07
5.75	0.01	0.00	0.01	8.35	0.08	0.00	0.08
5.80	0.01	0.00	0.01	8.40	0.09	0.00	0.09
5.85	0.01	0.00	0.01	8.45	0.09	0.00	0.09
5.90	0.01	0.00	0.01	8.50	0.10	0.00	0.10
5.95	0.01	0.00	0.01	8.55	0.11	0.00	0.11
6.00	0.01	0.00	0.01	8.60	0.11	0.00	0.11
6.05	0.01	0.00	0.01	8.65	0.12	0.00	0.12
6.10	0.01	0.00	0.01	8.70	0.13	0.00	0.13
6.15	0.01	0.00	0.01	8.75	0.14	0.00	0.14
6.20	0.01	0.00	0.01	8.80	0.15	0.00	0.15
6.25	0.01	0.00	0.01	8.85	0.15	0.00	0.15
6.30	0.01	0.00	0.01	8.90	0.16	0.00	0.16
6.35	0.01	0.00	0.01	8.95	0.17	0.00	0.17
6.40	0.01	0.00	0.01	9.00	0.18	0.00	0.18
6.45	0.02	0.00	0.02	9.05	0.19	0.00	0.19
6.50	0.02	0.00	0.02	9.10	0.20	0.00	0.20
6.55	0.02	0.00	0.02	9.15	0.21	0.00	0.21
6.60	0.02	0.00	0.02	9.20	0.22	0.00	0.22
6.65	0.02	0.00	0.02	9.25	0.23	0.00	0.23
6.70	0.02	0.00	0.02	9.30	0.24	0.00	0.24
6.75	0.02	0.00	0.02	9.35	0.25	0.00	0.25
6.80	0.02	0.00	0.02	9.40	0.26	0.00	0.26
6.85	0.02	0.00	0.02	9.45	0.27	0.00	0.27
6.90	0.02	0.00	0.02	9.50	0.28	0.00	0.28
6.95	0.02	0.00	0.02	9.55	0.29	0.00	0.29
7.00	0.02	0.00	0.02	9.60	0.30	0.00	0.30
7.05	0.03	0.00	0.03	9.65	0.31	0.00	0.31
7.10	0.03	0.00	0.03	9.70	0.32	0.00	0.32
7.15	0.03	0.00	0.03	9.75	0.33	0.00	0.33
7.20	0.03	0.00	0.03	9.80	0.34	0.00	0.34
7.25	0.03	0.00	0.03	9.85	0.35	0.00	0.35
7.30	0.03	0.00	0.03	9.90	0.36	0.00	0.36
7.35	0.03	0.00	0.03	9.95	0.37	0.00	0.37
7.40	0.03	0.00	0.03	10.00	0.38	0.00	0.38
7.45	0.03	0.00	0.03	10.05	0.39	0.00	0.39
7.50	0.03	0.00	0.03	10.10	0.40	0.00	0.40
7.55	0.04	0.00	0.04	10.15	0.41	0.00	0.41
7.60	0.04	0.00	0.04	10.20	0.42	0.00	0.42
7.65	0.04	0.00	0.04	10.25	0.43	0.00	0.43
7.70	0.04	0.00	0.04	10.30	0.44	0.00	0.44
7.75	0.04	0.00	0.04	10.35	0.45	0.00	0.45

Hydrograph for Link PDA-5: Proposed Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.46	0.00	0.46	13.00	10.14	0.00	10.14
10.45	0.47	0.00	0.47	13.05	9.53	0.00	9.53
10.50	0.49	0.00	0.49	13.10	8.97	0.00	8.97
10.55	0.50	0.00	0.50	13.15	8.47	0.00	8.47
10.60	0.51	0.00	0.51	13.20	8.02	0.00	8.02
10.65	0.53	0.00	0.53	13.25	7.62	0.00	7.62
10.70	0.55	0.00	0.55	13.30	7.26	0.00	7.26
10.75	0.57	0.00	0.57	13.35	6.93	0.00	6.93
10.80	0.59	0.00	0.59	13.40	6.62	0.00	6.62
10.85	0.61	0.00	0.61	13.45	6.33	0.00	6.33
10.90	0.64	0.00	0.64	13.50	6.05	0.00	6.05
10.95	0.66	0.00	0.66	13.55	5.80	0.00	5.80
11.00	0.68	0.00	0.68	13.60	5.55	0.00	5.55
11.05	0.71	0.00	0.71	13.65	5.32	0.00	5.32
11.10	0.74	0.00	0.74	13.70	5.11	0.00	5.11
11.15	0.77	0.00	0.77	13.75	4.92	0.00	4.92
11.20	0.81	0.00	0.81	13.80	4.75	0.00	4.75
11.25	0.85	0.00	0.85	13.85	4.60	0.00	4.60
11.30	0.89	0.00	0.89	13.90	4.46	0.00	4.46
11.35	0.93	0.00	0.93	13.95	4.34	0.00	4.34
11.40	0.97	0.00	0.97	14.00	4.23	0.00	4.23
11.45	1.01	0.00	1.01	14.05	4.12	0.00	4.12
11.50	1.05	0.00	1.05	14.10	4.02	0.00	4.02
11.55	1.22	0.00	1.22	14.15	3.93	0.00	3.93
11.60	1.64	0.00	1.64	14.20	3.85	0.00	3.85
11.65	2.20	0.00	2.20	14.25	3.77	0.00	3.77
11.70	2.77	0.00	2.77	14.30	3.69	0.00	3.69
11.75	3.36	0.00	3.36	14.35	3.61	0.00	3.61
11.80	4.11	0.00	4.11	14.40	3.54	0.00	3.54
11.85	5.00	0.00	5.00	14.45	3.46	0.00	3.46
11.90	6.10	0.00	6.10	14.50	3.39	0.00	3.39
11.95	7.53	0.00	7.53	14.55	3.33	0.00	3.33
12.00	10.29	0.00	10.29	14.60	3.26	0.00	3.26
12.05	14.40	0.00	14.40	14.65	3.19	0.00	3.19
12.10	18.60	0.00	18.60	14.70	3.13	0.00	3.13
12.15	22.66	0.00	22.66	14.75	3.07	0.00	3.07
12.20	**24.10**	0.00	**24.10**	14.80	3.01	0.00	3.01
12.25	23.83	0.00	23.83	14.85	2.95	0.00	2.95
12.30	23.12	0.00	23.12	14.90	2.89	0.00	2.89
12.35	22.37	0.00	22.37	14.95	2.83	0.00	2.83
12.40	21.65	0.00	21.65	15.00	2.78	0.00	2.78
12.45	20.91	0.00	20.91	15.05	2.72	0.00	2.72
12.50	20.27	0.00	20.27	15.10	2.67	0.00	2.67
12.55	19.64	0.00	19.64	15.15	2.61	0.00	2.61
12.60	18.84	0.00	18.84	15.20	2.56	0.00	2.56
12.65	17.96	0.00	17.96	15.25	2.52	0.00	2.52
12.70	16.84	0.00	16.84	15.30	2.47	0.00	2.47
12.75	15.10	0.00	15.10	15.35	2.43	0.00	2.43
12.80	13.68	0.00	13.68	15.40	2.40	0.00	2.40
12.85	12.55	0.00	12.55	15.45	2.36	0.00	2.36
12.90	11.61	0.00	11.61	15.50	2.33	0.00	2.33
12.95	10.82	0.00	10.82	15.55	2.30	0.00	2.30

Hydrograph for Link PDA-5: Proposed Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	2.27	0.00	2.27	18.20	1.39	0.00	1.39
15.65	2.24	0.00	2.24	18.25	1.38	0.00	1.38
15.70	2.22	0.00	2.22	18.30	1.37	0.00	1.37
15.75	2.19	0.00	2.19	18.35	1.36	0.00	1.36
15.80	2.17	0.00	2.17	18.40	1.35	0.00	1.35
15.85	2.14	0.00	2.14	18.45	1.35	0.00	1.35
15.90	2.12	0.00	2.12	18.50	1.34	0.00	1.34
15.95	2.10	0.00	2.10	18.55	1.33	0.00	1.33
16.00	2.08	0.00	2.08	18.60	1.32	0.00	1.32
16.05	2.06	0.00	2.06	18.65	1.31	0.00	1.31
16.10	2.04	0.00	2.04	18.70	1.31	0.00	1.31
16.15	2.03	0.00	2.03	18.75	1.30	0.00	1.30
16.20	2.01	0.00	2.01	18.80	1.29	0.00	1.29
16.25	1.99	0.00	1.99	18.85	1.28	0.00	1.28
16.30	1.97	0.00	1.97	18.90	1.28	0.00	1.28
16.35	1.95	0.00	1.95	18.95	1.27	0.00	1.27
16.40	1.94	0.00	1.94	19.00	1.27	0.00	1.27
16.45	1.92	0.00	1.92	19.05	1.26	0.00	1.26
16.50	1.90	0.00	1.90	19.10	1.25	0.00	1.25
16.55	1.89	0.00	1.89	19.15	1.25	0.00	1.25
16.60	1.87	0.00	1.87	19.20	1.24	0.00	1.24
16.65	1.86	0.00	1.86	19.25	1.24	0.00	1.24
16.70	1.84	0.00	1.84	19.30	1.23	0.00	1.23
16.75	1.82	0.00	1.82	19.35	1.23	0.00	1.23
16.80	1.81	0.00	1.81	19.40	1.22	0.00	1.22
16.85	1.79	0.00	1.79	19.45	1.22	0.00	1.22
16.90	1.78	0.00	1.78	19.50	1.21	0.00	1.21
16.95	1.76	0.00	1.76	19.55	1.21	0.00	1.21
17.00	1.74	0.00	1.74	19.60	1.20	0.00	1.20
17.05	1.73	0.00	1.73	19.65	1.20	0.00	1.20
17.10	1.71	0.00	1.71	19.70	1.19	0.00	1.19
17.15	1.70	0.00	1.70	19.75	1.19	0.00	1.19
17.20	1.68	0.00	1.68	19.80	1.18	0.00	1.18
17.25	1.67	0.00	1.67	19.85	1.18	0.00	1.18
17.30	1.65	0.00	1.65	19.90	1.17	0.00	1.17
17.35	1.64	0.00	1.64	19.95	1.17	0.00	1.17
17.40	1.62	0.00	1.62	20.00	1.16	0.00	1.16
17.45	1.60	0.00	1.60	20.05	1.16	0.00	1.16
17.50	1.59	0.00	1.59	20.10	1.16	0.00	1.16
17.55	1.57	0.00	1.57	20.15	1.15	0.00	1.15
17.60	1.56	0.00	1.56	20.20	1.15	0.00	1.15
17.65	1.55	0.00	1.55	20.25	1.14	0.00	1.14
17.70	1.53	0.00	1.53	20.30	1.14	0.00	1.14
17.75	1.52	0.00	1.52	20.35	1.13	0.00	1.13
17.80	1.50	0.00	1.50	20.40	1.13	0.00	1.13
17.85	1.49	0.00	1.49	20.45	1.13	0.00	1.13
17.90	1.47	0.00	1.47	20.50	1.12	0.00	1.12
17.95	1.46	0.00	1.46	20.55	1.12	0.00	1.12
18.00	1.45	0.00	1.45	20.60	1.11	0.00	1.11
18.05	1.43	0.00	1.43	20.65	1.11	0.00	1.11
18.10	1.42	0.00	1.42	20.70	1.11	0.00	1.11
18.15	1.41	0.00	1.41	20.75	1.10	0.00	1.10

Hydrograph for Link PDA-5: Proposed Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	1.10	0.00	1.10	23.40	0.91	0.00	0.91
20.85	1.09	0.00	1.09	23.45	0.91	0.00	0.91
20.90	1.09	0.00	1.09	23.50	0.90	0.00	0.90
20.95	1.09	0.00	1.09	23.55	0.90	0.00	0.90
21.00	1.08	0.00	1.08	23.60	0.90	0.00	0.90
21.05	1.08	0.00	1.08	23.65	0.89	0.00	0.89
21.10	1.07	0.00	1.07	23.70	0.89	0.00	0.89
21.15	1.07	0.00	1.07	23.75	0.89	0.00	0.89
21.20	1.07	0.00	1.07	23.80	0.88	0.00	0.88
21.25	1.06	0.00	1.06	23.85	0.88	0.00	0.88
21.30	1.06	0.00	1.06	23.90	0.88	0.00	0.88
21.35	1.05	0.00	1.05	23.95	0.88	0.00	0.88
21.40	1.05	0.00	1.05	24.00	0.88	0.00	0.88
21.45	1.05	0.00	1.05	24.05	0.88	0.00	0.88
21.50	1.04	0.00	1.04	24.10	0.85	0.00	0.85
21.55	1.04	0.00	1.04	24.15	0.79	0.00	0.79
21.60	1.03	0.00	1.03	24.20	0.76	0.00	0.76
21.65	1.03	0.00	1.03	24.25	0.73	0.00	0.73
21.70	1.03	0.00	1.03	24.30	0.71	0.00	0.71
21.75	1.02	0.00	1.02	24.35	0.69	0.00	0.69
21.80	1.02	0.00	1.02	24.40	0.67	0.00	0.67
21.85	1.02	0.00	1.02	24.45	0.67	0.00	0.67
21.90	1.01	0.00	1.01	24.50	0.66	0.00	0.66
21.95	1.01	0.00	1.01	24.55	0.66	0.00	0.66
22.00	1.00	0.00	1.00	24.60	0.66	0.00	0.66
22.05	1.00	0.00	1.00	24.65	0.66	0.00	0.66
22.10	1.00	0.00	1.00	24.70	0.66	0.00	0.66
22.15	0.99	0.00	0.99	24.75	0.65	0.00	0.65
22.20	0.99	0.00	0.99	24.80	0.65	0.00	0.65
22.25	0.98	0.00	0.98	24.85	0.65	0.00	0.65
22.30	0.98	0.00	0.98	24.90	0.65	0.00	0.65
22.35	0.98	0.00	0.98	24.95	0.65	0.00	0.65
22.40	0.97	0.00	0.97	25.00	0.65	0.00	0.65
22.45	0.97	0.00	0.97	25.05	0.65	0.00	0.65
22.50	0.97	0.00	0.97	25.10	0.65	0.00	0.65
22.55	0.96	0.00	0.96	25.15	0.65	0.00	0.65
22.60	0.96	0.00	0.96	25.20	0.65	0.00	0.65
22.65	0.96	0.00	0.96	25.25	0.65	0.00	0.65
22.70	0.95	0.00	0.95	25.30	0.65	0.00	0.65
22.75	0.95	0.00	0.95	25.35	0.65	0.00	0.65
22.80	0.95	0.00	0.95	25.40	0.65	0.00	0.65
22.85	0.94	0.00	0.94	25.45	0.64	0.00	0.64
22.90	0.94	0.00	0.94	25.50	0.64	0.00	0.64
22.95	0.94	0.00	0.94	25.55	0.64	0.00	0.64
23.00	0.93	0.00	0.93	25.60	0.64	0.00	0.64
23.05	0.93	0.00	0.93	25.65	0.64	0.00	0.64
23.10	0.93	0.00	0.93	25.70	0.64	0.00	0.64
23.15	0.93	0.00	0.93	25.75	0.64	0.00	0.64
23.20	0.92	0.00	0.92	25.80	0.64	0.00	0.64
23.25	0.92	0.00	0.92	25.85	0.64	0.00	0.64
23.30	0.92	0.00	0.92	25.90	0.64	0.00	0.64
23.35	0.91	0.00	0.91	25.95	0.64	0.00	0.64

Hydrograph for Link PDA-5: Proposed Drainage Area #5 (continued)

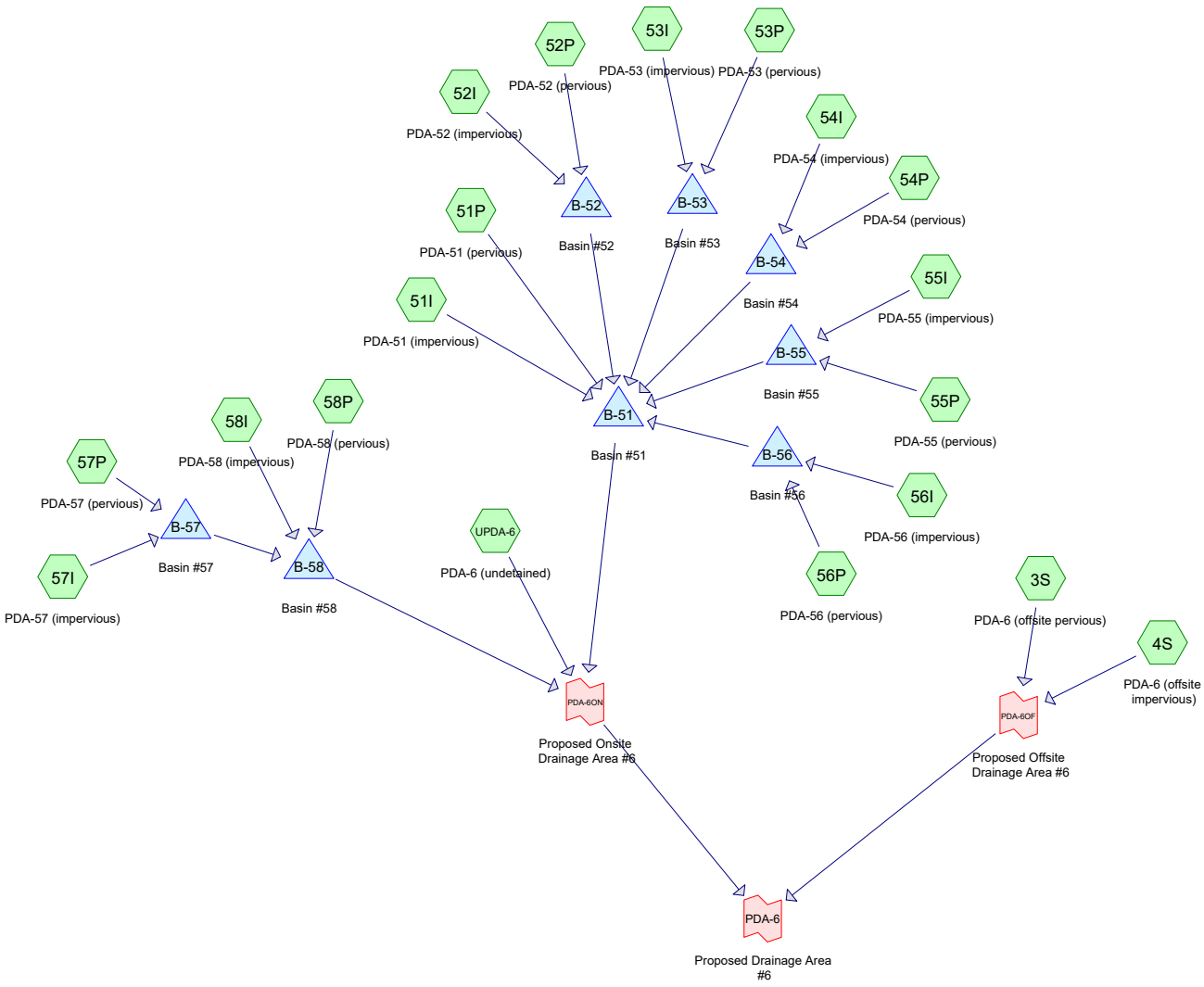
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.64	0.00	0.64	28.60	0.60	0.00	0.60
26.05	0.64	0.00	0.64	28.65	0.60	0.00	0.60
26.10	0.64	0.00	0.64	28.70	0.60	0.00	0.60
26.15	0.64	0.00	0.64	28.75	0.60	0.00	0.60
26.20	0.63	0.00	0.63	28.80	0.60	0.00	0.60
26.25	0.63	0.00	0.63	28.85	0.60	0.00	0.60
26.30	0.63	0.00	0.63	28.90	0.60	0.00	0.60
26.35	0.63	0.00	0.63	28.95	0.60	0.00	0.60
26.40	0.63	0.00	0.63	29.00	0.60	0.00	0.60
26.45	0.63	0.00	0.63	29.05	0.59	0.00	0.59
26.50	0.63	0.00	0.63	29.10	0.59	0.00	0.59
26.55	0.63	0.00	0.63	29.15	0.59	0.00	0.59
26.60	0.63	0.00	0.63	29.20	0.59	0.00	0.59
26.65	0.63	0.00	0.63	29.25	0.59	0.00	0.59
26.70	0.63	0.00	0.63	29.30	0.59	0.00	0.59
26.75	0.63	0.00	0.63	29.35	0.59	0.00	0.59
26.80	0.63	0.00	0.63	29.40	0.59	0.00	0.59
26.85	0.63	0.00	0.63	29.45	0.59	0.00	0.59
26.90	0.62	0.00	0.62	29.50	0.59	0.00	0.59
26.95	0.62	0.00	0.62	29.55	0.59	0.00	0.59
27.00	0.62	0.00	0.62	29.60	0.59	0.00	0.59
27.05	0.62	0.00	0.62	29.65	0.59	0.00	0.59
27.10	0.62	0.00	0.62	29.70	0.59	0.00	0.59
27.15	0.62	0.00	0.62	29.75	0.58	0.00	0.58
27.20	0.62	0.00	0.62	29.80	0.58	0.00	0.58
27.25	0.62	0.00	0.62	29.85	0.58	0.00	0.58
27.30	0.62	0.00	0.62	29.90	0.58	0.00	0.58
27.35	0.62	0.00	0.62	29.95	0.58	0.00	0.58
27.40	0.62	0.00	0.62	30.00	0.58	0.00	0.58
27.45	0.62	0.00	0.62	30.05	0.58	0.00	0.58
27.50	0.62	0.00	0.62	30.10	0.58	0.00	0.58
27.55	0.62	0.00	0.62	30.15	0.58	0.00	0.58
27.60	0.62	0.00	0.62	30.20	0.58	0.00	0.58
27.65	0.61	0.00	0.61	30.25	0.58	0.00	0.58
27.70	0.61	0.00	0.61	30.30	0.58	0.00	0.58
27.75	0.61	0.00	0.61	30.35	0.58	0.00	0.58
27.80	0.61	0.00	0.61	30.40	0.58	0.00	0.58
27.85	0.61	0.00	0.61	30.45	0.57	0.00	0.57
27.90	0.61	0.00	0.61	30.50	0.57	0.00	0.57
27.95	0.61	0.00	0.61	30.55	0.57	0.00	0.57
28.00	0.61	0.00	0.61	30.60	0.57	0.00	0.57
28.05	0.61	0.00	0.61	30.65	0.57	0.00	0.57
28.10	0.61	0.00	0.61	30.70	0.57	0.00	0.57
28.15	0.61	0.00	0.61	30.75	0.57	0.00	0.57
28.20	0.61	0.00	0.61	30.80	0.57	0.00	0.57
28.25	0.61	0.00	0.61	30.85	0.57	0.00	0.57
28.30	0.61	0.00	0.61	30.90	0.57	0.00	0.57
28.35	0.60	0.00	0.60	30.95	0.57	0.00	0.57
28.40	0.60	0.00	0.60	31.00	0.57	0.00	0.57
28.45	0.60	0.00	0.60	31.05	0.57	0.00	0.57
28.50	0.60	0.00	0.60	31.10	0.57	0.00	0.57
28.55	0.60	0.00	0.60	31.15	0.56	0.00	0.56

Hydrograph for Link PDA-5: Proposed Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.56	0.00	0.56	33.80	0.53	0.00	0.53
31.25	0.56	0.00	0.56	33.85	0.53	0.00	0.53
31.30	0.56	0.00	0.56	33.90	0.52	0.00	0.52
31.35	0.56	0.00	0.56	33.95	0.52	0.00	0.52
31.40	0.56	0.00	0.56	34.00	0.52	0.00	0.52
31.45	0.56	0.00	0.56	34.05	0.52	0.00	0.52
31.50	0.56	0.00	0.56	34.10	0.52	0.00	0.52
31.55	0.56	0.00	0.56	34.15	0.52	0.00	0.52
31.60	0.56	0.00	0.56	34.20	0.52	0.00	0.52
31.65	0.56	0.00	0.56	34.25	0.52	0.00	0.52
31.70	0.56	0.00	0.56	34.30	0.52	0.00	0.52
31.75	0.56	0.00	0.56	34.35	0.52	0.00	0.52
31.80	0.56	0.00	0.56	34.40	0.52	0.00	0.52
31.85	0.55	0.00	0.55	34.45	0.52	0.00	0.52
31.90	0.55	0.00	0.55	34.50	0.52	0.00	0.52
31.95	0.55	0.00	0.55	34.55	0.52	0.00	0.52
32.00	0.55	0.00	0.55	34.60	0.51	0.00	0.51
32.05	0.55	0.00	0.55	34.65	0.51	0.00	0.51
32.10	0.55	0.00	0.55	34.70	0.51	0.00	0.51
32.15	0.55	0.00	0.55	34.75	0.51	0.00	0.51
32.20	0.55	0.00	0.55	34.80	0.51	0.00	0.51
32.25	0.55	0.00	0.55	34.85	0.51	0.00	0.51
32.30	0.55	0.00	0.55	34.90	0.51	0.00	0.51
32.35	0.55	0.00	0.55	34.95	0.51	0.00	0.51
32.40	0.55	0.00	0.55	35.00	0.51	0.00	0.51
32.45	0.55	0.00	0.55	35.05	0.51	0.00	0.51
32.50	0.55	0.00	0.55	35.10	0.51	0.00	0.51
32.55	0.54	0.00	0.54	35.15	0.51	0.00	0.51
32.60	0.54	0.00	0.54	35.20	0.51	0.00	0.51
32.65	0.54	0.00	0.54	35.25	0.51	0.00	0.51
32.70	0.54	0.00	0.54	35.30	0.50	0.00	0.50
32.75	0.54	0.00	0.54	35.35	0.50	0.00	0.50
32.80	0.54	0.00	0.54	35.40	0.50	0.00	0.50
32.85	0.54	0.00	0.54	35.45	0.50	0.00	0.50
32.90	0.54	0.00	0.54	35.50	0.50	0.00	0.50
32.95	0.54	0.00	0.54	35.55	0.50	0.00	0.50
33.00	0.54	0.00	0.54	35.60	0.50	0.00	0.50
33.05	0.54	0.00	0.54	35.65	0.50	0.00	0.50
33.10	0.54	0.00	0.54	35.70	0.50	0.00	0.50
33.15	0.54	0.00	0.54	35.75	0.50	0.00	0.50
33.20	0.54	0.00	0.54	35.80	0.50	0.00	0.50
33.25	0.53	0.00	0.53	35.85	0.50	0.00	0.50
33.30	0.53	0.00	0.53	35.90	0.50	0.00	0.50
33.35	0.53	0.00	0.53	35.95	0.49	0.00	0.49
33.40	0.53	0.00	0.53	36.00	0.49	0.00	0.49
33.45	0.53	0.00	0.53	36.05	0.49	0.00	0.49
33.50	0.53	0.00	0.53	36.10	0.49	0.00	0.49
33.55	0.53	0.00	0.53	36.15	0.49	0.00	0.49
33.60	0.53	0.00	0.53	36.20	0.49	0.00	0.49
33.65	0.53	0.00	0.53	36.25	0.49	0.00	0.49
33.70	0.53	0.00	0.53	36.30	0.49	0.00	0.49
33.75	0.53	0.00	0.53	36.35	0.49	0.00	0.49

Hydrograph for Link PDA-5: Proposed Drainage Area #5 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.49	0.00	0.49
36.45	0.49	0.00	0.49
36.50	0.49	0.00	0.49
36.55	0.49	0.00	0.49
36.60	0.48	0.00	0.48
36.65	0.48	0.00	0.48
36.70	0.48	0.00	0.48
36.75	0.48	0.00	0.48
36.80	0.48	0.00	0.48
36.85	0.48	0.00	0.48
36.90	0.48	0.00	0.48
36.95	0.48	0.00	0.48
37.00	0.48	0.00	0.48
37.05	0.48	0.00	0.48
37.10	0.48	0.00	0.48
37.15	0.48	0.00	0.48
37.20	0.48	0.00	0.48
37.25	0.48	0.00	0.48
37.30	0.47	0.00	0.47
37.35	0.47	0.00	0.47
37.40	0.47	0.00	0.47
37.45	0.47	0.00	0.47
37.50	0.47	0.00	0.47
37.55	0.47	0.00	0.47
37.60	0.47	0.00	0.47
37.65	0.47	0.00	0.47
37.70	0.47	0.00	0.47
37.75	0.47	0.00	0.47
37.80	0.47	0.00	0.47
37.85	0.47	0.00	0.47
37.90	0.47	0.00	0.47
37.95	0.46	0.00	0.46
38.00	0.46	0.00	0.46
38.05	0.46	0.00	0.46
38.10	0.46	0.00	0.46
38.15	0.46	0.00	0.46
38.20	0.46	0.00	0.46
38.25	0.46	0.00	0.46
38.30	0.46	0.00	0.46
38.35	0.46	0.00	0.46
38.40	0.46	0.00	0.46
38.45	0.46	0.00	0.46
38.50	0.46	0.00	0.46
38.55	0.46	0.00	0.46
38.60	0.45	0.00	0.45
38.65	0.45	0.00	0.45
38.70	0.45	0.00	0.45
38.75	0.45	0.00	0.45
38.80	0.45	0.00	0.45
38.85	0.45	0.00	0.45
38.90	0.45	0.00	0.45
38.95	0.45	0.00	0.45
39.00	0.45	0.00	0.45
39.05	0.45	0.00	0.45
39.10	0.45	0.00	0.45
39.15	0.45	0.00	0.45
39.20	0.45	0.00	0.45
39.25	0.44	0.00	0.44
39.30	0.44	0.00	0.44
39.35	0.44	0.00	0.44
39.40	0.44	0.00	0.44
39.45	0.44	0.00	0.44
39.50	0.44	0.00	0.44
39.55	0.44	0.00	0.44
39.60	0.44	0.00	0.44
39.65	0.44	0.00	0.44
39.70	0.44	0.00	0.44
39.75	0.44	0.00	0.44
39.80	0.44	0.00	0.44
39.85	0.44	0.00	0.44
39.90	0.44	0.00	0.44
39.95	0.43	0.00	0.43
40.00	0.43	0.00	0.43



Subcat Reach Pond Link

Routing Diagram for 2025-07-14 Proposed- 081391_6
Prepared by Bowman Consulting Group, Printed 9/30/2025
HydroCAD® 10.20-7a s/n 09435 © 2025 HydroCAD Software Solutions LLC

Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
0.760	98	(4S)
10.689	74	>75% Grass cover, Good, HSG C (51P, 52P, 53P, 54P, 55P, 56P, 57P, 58P, UPDA-6)
0.463	98	Concrete, HSG C (52I, 53I, 54I, 55I, 57I)
2.464	98	Pavement, HSG C (52I, 53I, 54I, 55I, 57I)
3.014	98	Roof, HSG C (52I, 53I, 54I, 55I, 56I, 57I, 58I)
13.160	71	Row crops, C&T, Good, HSG B (3S)
3.420	78	Row crops, C&T, Good, HSG C (3S)
8.024	55	Woods, Good, HSG B (3S, UPDA-6)
8.749	70	Woods, Good, HSG C (3S, UPDA-6)
3.027	77	Woods, Good, HSG D (3S, UPDA-6)
53.770	**73**	**TOTAL AREA**

Summary for Subcatchment 3S: PDA-6 (offsite pervious)

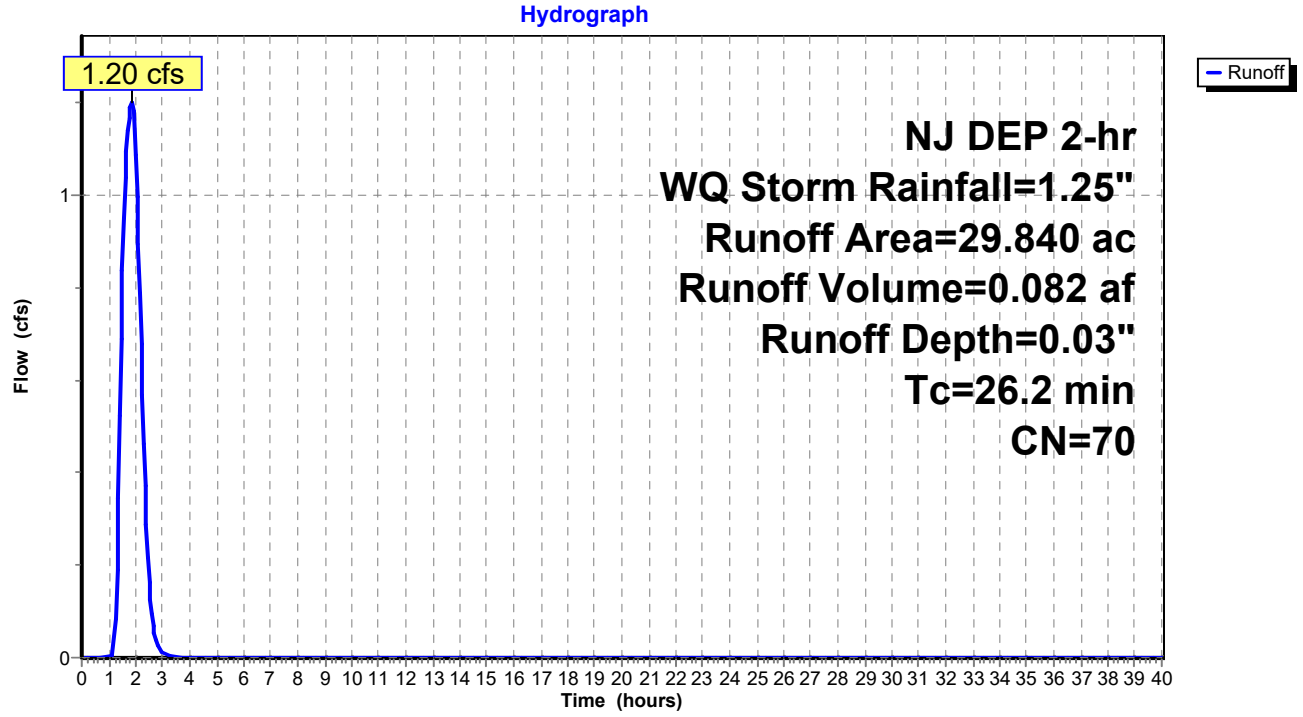
Runoff = 1.20 cfs @ 1.85 hrs, Volume= 0.082 af, Depth= 0.03"
Routed to Link PDA-6OF : Proposed Offsite Drainage Area #6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
13.160	71	Row crops, C&T, Good, HSG B
3.420	78	Row crops, C&T, Good, HSG C
4.100	55	Woods, Good, HSG B
6.460	70	Woods, Good, HSG C
2.700	77	Woods, Good, HSG D
29.840	70	Weighted Average
29.840		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
26.2					**Direct Entry,**

Subcatchment 3S: PDA-6 (offsite pervious)



Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.03	0.09
0.05	0.00	0.00	0.00	2.65	1.25	0.03	0.07
0.10	0.01	0.00	0.00	2.70	1.25	0.03	0.05
0.15	0.01	0.00	0.00	2.75	1.25	0.03	0.04
0.20	0.02	0.00	0.00	2.80	1.25	0.03	0.03
0.25	0.03	0.00	0.00	2.85	1.25	0.03	0.02
0.30	0.04	0.00	0.00	2.90	1.25	0.03	0.02
0.35	0.06	0.00	0.00	2.95	1.25	0.03	0.01
0.40	0.07	0.00	0.00	3.00	1.25	0.03	0.01
0.45	0.09	0.00	0.00	3.05	1.25	0.03	0.01
0.50	0.10	0.00	0.00	3.10	1.25	0.03	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.03	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.03	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.03	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.03	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.03	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.03	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.03	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.03	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.03	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.03	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.03	0.00
1.10	0.91	0.00	0.00	3.70	1.25	0.03	0.00
1.15	0.97	0.00	0.00	3.75	1.25	0.03	0.00
1.20	1.02	0.01	0.03	3.80	1.25	0.03	0.00
1.25	1.05	0.01	0.08	3.85	1.25	0.03	0.00
1.30	1.07	0.01	0.19	3.90	1.25	0.03	0.00
1.35	1.09	0.01	0.35	3.95	1.25	0.03	0.00
1.40	1.11	0.01	0.52	4.00	1.25	0.03	0.00
1.45	1.13	0.02	0.69	4.05	1.25	0.03	0.00
1.50	1.15	0.02	0.84	4.10	1.25	0.03	0.00
1.55	1.17	0.02	0.95	4.15	1.25	0.03	0.00
1.60	1.18	0.02	1.04	4.20	1.25	0.03	0.00
1.65	1.20	0.02	1.10	4.25	1.25	0.03	0.00
1.70	1.21	0.03	1.14	4.30	1.25	0.03	0.00
1.75	1.23	0.03	1.17	4.35	1.25	0.03	0.00
1.80	1.23	0.03	1.19	4.40	1.25	0.03	0.00
1.85	1.24	0.03	**1.20**	4.45	1.25	0.03	0.00
1.90	1.24	0.03	1.19	4.50	1.25	0.03	0.00
1.95	1.25	0.03	1.16	4.55	1.25	0.03	0.00
2.00	**1.25**	**0.03**	1.09	4.60	1.25	0.03	0.00
2.05	1.25	0.03	1.00	4.65	1.25	0.03	0.00
2.10	1.25	0.03	0.90	4.70	1.25	0.03	0.00
2.15	1.25	0.03	0.79	4.75	1.25	0.03	0.00
2.20	1.25	0.03	0.68	4.80	1.25	0.03	0.00
2.25	1.25	0.03	0.57	4.85	1.25	0.03	0.00
2.30	1.25	0.03	0.46	4.90	1.25	0.03	0.00
2.35	1.25	0.03	0.37	4.95	1.25	0.03	0.00
2.40	1.25	0.03	0.29	5.00	1.25	0.03	0.00
2.45	1.25	0.03	0.22	5.05	1.25	0.03	0.00
2.50	1.25	0.03	0.16	5.10	1.25	0.03	0.00
2.55	1.25	0.03	0.12	5.15	1.25	0.03	0.00

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.03	0.00	7.80	1.25	0.03	0.00
5.25	1.25	0.03	0.00	7.85	1.25	0.03	0.00
5.30	1.25	0.03	0.00	7.90	1.25	0.03	0.00
5.35	1.25	0.03	0.00	7.95	1.25	0.03	0.00
5.40	1.25	0.03	0.00	8.00	1.25	0.03	0.00
5.45	1.25	0.03	0.00	8.05	1.25	0.03	0.00
5.50	1.25	0.03	0.00	8.10	1.25	0.03	0.00
5.55	1.25	0.03	0.00	8.15	1.25	0.03	0.00
5.60	1.25	0.03	0.00	8.20	1.25	0.03	0.00
5.65	1.25	0.03	0.00	8.25	1.25	0.03	0.00
5.70	1.25	0.03	0.00	8.30	1.25	0.03	0.00
5.75	1.25	0.03	0.00	8.35	1.25	0.03	0.00
5.80	1.25	0.03	0.00	8.40	1.25	0.03	0.00
5.85	1.25	0.03	0.00	8.45	1.25	0.03	0.00
5.90	1.25	0.03	0.00	8.50	1.25	0.03	0.00
5.95	1.25	0.03	0.00	8.55	1.25	0.03	0.00
6.00	1.25	0.03	0.00	8.60	1.25	0.03	0.00
6.05	1.25	0.03	0.00	8.65	1.25	0.03	0.00
6.10	1.25	0.03	0.00	8.70	1.25	0.03	0.00
6.15	1.25	0.03	0.00	8.75	1.25	0.03	0.00
6.20	1.25	0.03	0.00	8.80	1.25	0.03	0.00
6.25	1.25	0.03	0.00	8.85	1.25	0.03	0.00
6.30	1.25	0.03	0.00	8.90	1.25	0.03	0.00
6.35	1.25	0.03	0.00	8.95	1.25	0.03	0.00
6.40	1.25	0.03	0.00	9.00	1.25	0.03	0.00
6.45	1.25	0.03	0.00	9.05	1.25	0.03	0.00
6.50	1.25	0.03	0.00	9.10	1.25	0.03	0.00
6.55	1.25	0.03	0.00	9.15	1.25	0.03	0.00
6.60	1.25	0.03	0.00	9.20	1.25	0.03	0.00
6.65	1.25	0.03	0.00	9.25	1.25	0.03	0.00
6.70	1.25	0.03	0.00	9.30	1.25	0.03	0.00
6.75	1.25	0.03	0.00	9.35	1.25	0.03	0.00
6.80	1.25	0.03	0.00	9.40	1.25	0.03	0.00
6.85	1.25	0.03	0.00	9.45	1.25	0.03	0.00
6.90	1.25	0.03	0.00	9.50	1.25	0.03	0.00
6.95	1.25	0.03	0.00	9.55	1.25	0.03	0.00
7.00	1.25	0.03	0.00	9.60	1.25	0.03	0.00
7.05	1.25	0.03	0.00	9.65	1.25	0.03	0.00
7.10	1.25	0.03	0.00	9.70	1.25	0.03	0.00
7.15	1.25	0.03	0.00	9.75	1.25	0.03	0.00
7.20	1.25	0.03	0.00	9.80	1.25	0.03	0.00
7.25	1.25	0.03	0.00	9.85	1.25	0.03	0.00
7.30	1.25	0.03	0.00	9.90	1.25	0.03	0.00
7.35	1.25	0.03	0.00	9.95	1.25	0.03	0.00
7.40	1.25	0.03	0.00	10.00	1.25	0.03	0.00
7.45	1.25	0.03	0.00	10.05	1.25	0.03	0.00
7.50	1.25	0.03	0.00	10.10	1.25	0.03	0.00
7.55	1.25	0.03	0.00	10.15	1.25	0.03	0.00
7.60	1.25	0.03	0.00	10.20	1.25	0.03	0.00
7.65	1.25	0.03	0.00	10.25	1.25	0.03	0.00
7.70	1.25	0.03	0.00	10.30	1.25	0.03	0.00
7.75	1.25	0.03	0.00	10.35	1.25	0.03	0.00

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.03	0.00	13.00	1.25	0.03	0.00
10.45	1.25	0.03	0.00	13.05	1.25	0.03	0.00
10.50	1.25	0.03	0.00	13.10	1.25	0.03	0.00
10.55	1.25	0.03	0.00	13.15	1.25	0.03	0.00
10.60	1.25	0.03	0.00	13.20	1.25	0.03	0.00
10.65	1.25	0.03	0.00	13.25	1.25	0.03	0.00
10.70	1.25	0.03	0.00	13.30	1.25	0.03	0.00
10.75	1.25	0.03	0.00	13.35	1.25	0.03	0.00
10.80	1.25	0.03	0.00	13.40	1.25	0.03	0.00
10.85	1.25	0.03	0.00	13.45	1.25	0.03	0.00
10.90	1.25	0.03	0.00	13.50	1.25	0.03	0.00
10.95	1.25	0.03	0.00	13.55	1.25	0.03	0.00
11.00	1.25	0.03	0.00	13.60	1.25	0.03	0.00
11.05	1.25	0.03	0.00	13.65	1.25	0.03	0.00
11.10	1.25	0.03	0.00	13.70	1.25	0.03	0.00
11.15	1.25	0.03	0.00	13.75	1.25	0.03	0.00
11.20	1.25	0.03	0.00	13.80	1.25	0.03	0.00
11.25	1.25	0.03	0.00	13.85	1.25	0.03	0.00
11.30	1.25	0.03	0.00	13.90	1.25	0.03	0.00
11.35	1.25	0.03	0.00	13.95	1.25	0.03	0.00
11.40	1.25	0.03	0.00	14.00	1.25	0.03	0.00
11.45	1.25	0.03	0.00	14.05	1.25	0.03	0.00
11.50	1.25	0.03	0.00	14.10	1.25	0.03	0.00
11.55	1.25	0.03	0.00	14.15	1.25	0.03	0.00
11.60	1.25	0.03	0.00	14.20	1.25	0.03	0.00
11.65	1.25	0.03	0.00	14.25	1.25	0.03	0.00
11.70	1.25	0.03	0.00	14.30	1.25	0.03	0.00
11.75	1.25	0.03	0.00	14.35	1.25	0.03	0.00
11.80	1.25	0.03	0.00	14.40	1.25	0.03	0.00
11.85	1.25	0.03	0.00	14.45	1.25	0.03	0.00
11.90	1.25	0.03	0.00	14.50	1.25	0.03	0.00
11.95	1.25	0.03	0.00	14.55	1.25	0.03	0.00
12.00	1.25	0.03	0.00	14.60	1.25	0.03	0.00
12.05	1.25	0.03	0.00	14.65	1.25	0.03	0.00
12.10	1.25	0.03	0.00	14.70	1.25	0.03	0.00
12.15	1.25	0.03	0.00	14.75	1.25	0.03	0.00
12.20	1.25	0.03	0.00	14.80	1.25	0.03	0.00
12.25	1.25	0.03	0.00	14.85	1.25	0.03	0.00
12.30	1.25	0.03	0.00	14.90	1.25	0.03	0.00
12.35	1.25	0.03	0.00	14.95	1.25	0.03	0.00
12.40	1.25	0.03	0.00	15.00	1.25	0.03	0.00
12.45	1.25	0.03	0.00	15.05	1.25	0.03	0.00
12.50	1.25	0.03	0.00	15.10	1.25	0.03	0.00
12.55	1.25	0.03	0.00	15.15	1.25	0.03	0.00
12.60	1.25	0.03	0.00	15.20	1.25	0.03	0.00
12.65	1.25	0.03	0.00	15.25	1.25	0.03	0.00
12.70	1.25	0.03	0.00	15.30	1.25	0.03	0.00
12.75	1.25	0.03	0.00	15.35	1.25	0.03	0.00
12.80	1.25	0.03	0.00	15.40	1.25	0.03	0.00
12.85	1.25	0.03	0.00	15.45	1.25	0.03	0.00
12.90	1.25	0.03	0.00	15.50	1.25	0.03	0.00
12.95	1.25	0.03	0.00	15.55	1.25	0.03	0.00

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.03	0.00	18.20	1.25	0.03	0.00
15.65	1.25	0.03	0.00	18.25	1.25	0.03	0.00
15.70	1.25	0.03	0.00	18.30	1.25	0.03	0.00
15.75	1.25	0.03	0.00	18.35	1.25	0.03	0.00
15.80	1.25	0.03	0.00	18.40	1.25	0.03	0.00
15.85	1.25	0.03	0.00	18.45	1.25	0.03	0.00
15.90	1.25	0.03	0.00	18.50	1.25	0.03	0.00
15.95	1.25	0.03	0.00	18.55	1.25	0.03	0.00
16.00	1.25	0.03	0.00	18.60	1.25	0.03	0.00
16.05	1.25	0.03	0.00	18.65	1.25	0.03	0.00
16.10	1.25	0.03	0.00	18.70	1.25	0.03	0.00
16.15	1.25	0.03	0.00	18.75	1.25	0.03	0.00
16.20	1.25	0.03	0.00	18.80	1.25	0.03	0.00
16.25	1.25	0.03	0.00	18.85	1.25	0.03	0.00
16.30	1.25	0.03	0.00	18.90	1.25	0.03	0.00
16.35	1.25	0.03	0.00	18.95	1.25	0.03	0.00
16.40	1.25	0.03	0.00	19.00	1.25	0.03	0.00
16.45	1.25	0.03	0.00	19.05	1.25	0.03	0.00
16.50	1.25	0.03	0.00	19.10	1.25	0.03	0.00
16.55	1.25	0.03	0.00	19.15	1.25	0.03	0.00
16.60	1.25	0.03	0.00	19.20	1.25	0.03	0.00
16.65	1.25	0.03	0.00	19.25	1.25	0.03	0.00
16.70	1.25	0.03	0.00	19.30	1.25	0.03	0.00
16.75	1.25	0.03	0.00	19.35	1.25	0.03	0.00
16.80	1.25	0.03	0.00	19.40	1.25	0.03	0.00
16.85	1.25	0.03	0.00	19.45	1.25	0.03	0.00
16.90	1.25	0.03	0.00	19.50	1.25	0.03	0.00
16.95	1.25	0.03	0.00	19.55	1.25	0.03	0.00
17.00	1.25	0.03	0.00	19.60	1.25	0.03	0.00
17.05	1.25	0.03	0.00	19.65	1.25	0.03	0.00
17.10	1.25	0.03	0.00	19.70	1.25	0.03	0.00
17.15	1.25	0.03	0.00	19.75	1.25	0.03	0.00
17.20	1.25	0.03	0.00	19.80	1.25	0.03	0.00
17.25	1.25	0.03	0.00	19.85	1.25	0.03	0.00
17.30	1.25	0.03	0.00	19.90	1.25	0.03	0.00
17.35	1.25	0.03	0.00	19.95	1.25	0.03	0.00
17.40	1.25	0.03	0.00	20.00	1.25	0.03	0.00
17.45	1.25	0.03	0.00	20.05	1.25	0.03	0.00
17.50	1.25	0.03	0.00	20.10	1.25	0.03	0.00
17.55	1.25	0.03	0.00	20.15	1.25	0.03	0.00
17.60	1.25	0.03	0.00	20.20	1.25	0.03	0.00
17.65	1.25	0.03	0.00	20.25	1.25	0.03	0.00
17.70	1.25	0.03	0.00	20.30	1.25	0.03	0.00
17.75	1.25	0.03	0.00	20.35	1.25	0.03	0.00
17.80	1.25	0.03	0.00	20.40	1.25	0.03	0.00
17.85	1.25	0.03	0.00	20.45	1.25	0.03	0.00
17.90	1.25	0.03	0.00	20.50	1.25	0.03	0.00
17.95	1.25	0.03	0.00	20.55	1.25	0.03	0.00
18.00	1.25	0.03	0.00	20.60	1.25	0.03	0.00
18.05	1.25	0.03	0.00	20.65	1.25	0.03	0.00
18.10	1.25	0.03	0.00	20.70	1.25	0.03	0.00
18.15	1.25	0.03	0.00	20.75	1.25	0.03	0.00

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.03	0.00	23.40	1.25	0.03	0.00
20.85	1.25	0.03	0.00	23.45	1.25	0.03	0.00
20.90	1.25	0.03	0.00	23.50	1.25	0.03	0.00
20.95	1.25	0.03	0.00	23.55	1.25	0.03	0.00
21.00	1.25	0.03	0.00	23.60	1.25	0.03	0.00
21.05	1.25	0.03	0.00	23.65	1.25	0.03	0.00
21.10	1.25	0.03	0.00	23.70	1.25	0.03	0.00
21.15	1.25	0.03	0.00	23.75	1.25	0.03	0.00
21.20	1.25	0.03	0.00	23.80	1.25	0.03	0.00
21.25	1.25	0.03	0.00	23.85	1.25	0.03	0.00
21.30	1.25	0.03	0.00	23.90	1.25	0.03	0.00
21.35	1.25	0.03	0.00	23.95	1.25	0.03	0.00
21.40	1.25	0.03	0.00	24.00	1.25	0.03	0.00
21.45	1.25	0.03	0.00	24.05	1.25	0.03	0.00
21.50	1.25	0.03	0.00	24.10	1.25	0.03	0.00
21.55	1.25	0.03	0.00	24.15	1.25	0.03	0.00
21.60	1.25	0.03	0.00	24.20	1.25	0.03	0.00
21.65	1.25	0.03	0.00	24.25	1.25	0.03	0.00
21.70	1.25	0.03	0.00	24.30	1.25	0.03	0.00
21.75	1.25	0.03	0.00	24.35	1.25	0.03	0.00
21.80	1.25	0.03	0.00	24.40	1.25	0.03	0.00
21.85	1.25	0.03	0.00	24.45	1.25	0.03	0.00
21.90	1.25	0.03	0.00	24.50	1.25	0.03	0.00
21.95	1.25	0.03	0.00	24.55	1.25	0.03	0.00
22.00	1.25	0.03	0.00	24.60	1.25	0.03	0.00
22.05	1.25	0.03	0.00	24.65	1.25	0.03	0.00
22.10	1.25	0.03	0.00	24.70	1.25	0.03	0.00
22.15	1.25	0.03	0.00	24.75	1.25	0.03	0.00
22.20	1.25	0.03	0.00	24.80	1.25	0.03	0.00
22.25	1.25	0.03	0.00	24.85	1.25	0.03	0.00
22.30	1.25	0.03	0.00	24.90	1.25	0.03	0.00
22.35	1.25	0.03	0.00	24.95	1.25	0.03	0.00
22.40	1.25	0.03	0.00	25.00	1.25	0.03	0.00
22.45	1.25	0.03	0.00	25.05	1.25	0.03	0.00
22.50	1.25	0.03	0.00	25.10	1.25	0.03	0.00
22.55	1.25	0.03	0.00	25.15	1.25	0.03	0.00
22.60	1.25	0.03	0.00	25.20	1.25	0.03	0.00
22.65	1.25	0.03	0.00	25.25	1.25	0.03	0.00
22.70	1.25	0.03	0.00	25.30	1.25	0.03	0.00
22.75	1.25	0.03	0.00	25.35	1.25	0.03	0.00
22.80	1.25	0.03	0.00	25.40	1.25	0.03	0.00
22.85	1.25	0.03	0.00	25.45	1.25	0.03	0.00
22.90	1.25	0.03	0.00	25.50	1.25	0.03	0.00
22.95	1.25	0.03	0.00	25.55	1.25	0.03	0.00
23.00	1.25	0.03	0.00	25.60	1.25	0.03	0.00
23.05	1.25	0.03	0.00	25.65	1.25	0.03	0.00
23.10	1.25	0.03	0.00	25.70	1.25	0.03	0.00
23.15	1.25	0.03	0.00	25.75	1.25	0.03	0.00
23.20	1.25	0.03	0.00	25.80	1.25	0.03	0.00
23.25	1.25	0.03	0.00	25.85	1.25	0.03	0.00
23.30	1.25	0.03	0.00	25.90	1.25	0.03	0.00
23.35	1.25	0.03	0.00	25.95	1.25	0.03	0.00

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.03	0.00	28.60	1.25	0.03	0.00
26.05	1.25	0.03	0.00	28.65	1.25	0.03	0.00
26.10	1.25	0.03	0.00	28.70	1.25	0.03	0.00
26.15	1.25	0.03	0.00	28.75	1.25	0.03	0.00
26.20	1.25	0.03	0.00	28.80	1.25	0.03	0.00
26.25	1.25	0.03	0.00	28.85	1.25	0.03	0.00
26.30	1.25	0.03	0.00	28.90	1.25	0.03	0.00
26.35	1.25	0.03	0.00	28.95	1.25	0.03	0.00
26.40	1.25	0.03	0.00	29.00	1.25	0.03	0.00
26.45	1.25	0.03	0.00	29.05	1.25	0.03	0.00
26.50	1.25	0.03	0.00	29.10	1.25	0.03	0.00
26.55	1.25	0.03	0.00	29.15	1.25	0.03	0.00
26.60	1.25	0.03	0.00	29.20	1.25	0.03	0.00
26.65	1.25	0.03	0.00	29.25	1.25	0.03	0.00
26.70	1.25	0.03	0.00	29.30	1.25	0.03	0.00
26.75	1.25	0.03	0.00	29.35	1.25	0.03	0.00
26.80	1.25	0.03	0.00	29.40	1.25	0.03	0.00
26.85	1.25	0.03	0.00	29.45	1.25	0.03	0.00
26.90	1.25	0.03	0.00	29.50	1.25	0.03	0.00
26.95	1.25	0.03	0.00	29.55	1.25	0.03	0.00
27.00	1.25	0.03	0.00	29.60	1.25	0.03	0.00
27.05	1.25	0.03	0.00	29.65	1.25	0.03	0.00
27.10	1.25	0.03	0.00	29.70	1.25	0.03	0.00
27.15	1.25	0.03	0.00	29.75	1.25	0.03	0.00
27.20	1.25	0.03	0.00	29.80	1.25	0.03	0.00
27.25	1.25	0.03	0.00	29.85	1.25	0.03	0.00
27.30	1.25	0.03	0.00	29.90	1.25	0.03	0.00
27.35	1.25	0.03	0.00	29.95	1.25	0.03	0.00
27.40	1.25	0.03	0.00	30.00	1.25	0.03	0.00
27.45	1.25	0.03	0.00	30.05	1.25	0.03	0.00
27.50	1.25	0.03	0.00	30.10	1.25	0.03	0.00
27.55	1.25	0.03	0.00	30.15	1.25	0.03	0.00
27.60	1.25	0.03	0.00	30.20	1.25	0.03	0.00
27.65	1.25	0.03	0.00	30.25	1.25	0.03	0.00
27.70	1.25	0.03	0.00	30.30	1.25	0.03	0.00
27.75	1.25	0.03	0.00	30.35	1.25	0.03	0.00
27.80	1.25	0.03	0.00	30.40	1.25	0.03	0.00
27.85	1.25	0.03	0.00	30.45	1.25	0.03	0.00
27.90	1.25	0.03	0.00	30.50	1.25	0.03	0.00
27.95	1.25	0.03	0.00	30.55	1.25	0.03	0.00
28.00	1.25	0.03	0.00	30.60	1.25	0.03	0.00
28.05	1.25	0.03	0.00	30.65	1.25	0.03	0.00
28.10	1.25	0.03	0.00	30.70	1.25	0.03	0.00
28.15	1.25	0.03	0.00	30.75	1.25	0.03	0.00
28.20	1.25	0.03	0.00	30.80	1.25	0.03	0.00
28.25	1.25	0.03	0.00	30.85	1.25	0.03	0.00
28.30	1.25	0.03	0.00	30.90	1.25	0.03	0.00
28.35	1.25	0.03	0.00	30.95	1.25	0.03	0.00
28.40	1.25	0.03	0.00	31.00	1.25	0.03	0.00
28.45	1.25	0.03	0.00	31.05	1.25	0.03	0.00
28.50	1.25	0.03	0.00	31.10	1.25	0.03	0.00
28.55	1.25	0.03	0.00	31.15	1.25	0.03	0.00

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.03	0.00	33.80	1.25	0.03	0.00
31.25	1.25	0.03	0.00	33.85	1.25	0.03	0.00
31.30	1.25	0.03	0.00	33.90	1.25	0.03	0.00
31.35	1.25	0.03	0.00	33.95	1.25	0.03	0.00
31.40	1.25	0.03	0.00	34.00	1.25	0.03	0.00
31.45	1.25	0.03	0.00	34.05	1.25	0.03	0.00
31.50	1.25	0.03	0.00	34.10	1.25	0.03	0.00
31.55	1.25	0.03	0.00	34.15	1.25	0.03	0.00
31.60	1.25	0.03	0.00	34.20	1.25	0.03	0.00
31.65	1.25	0.03	0.00	34.25	1.25	0.03	0.00
31.70	1.25	0.03	0.00	34.30	1.25	0.03	0.00
31.75	1.25	0.03	0.00	34.35	1.25	0.03	0.00
31.80	1.25	0.03	0.00	34.40	1.25	0.03	0.00
31.85	1.25	0.03	0.00	34.45	1.25	0.03	0.00
31.90	1.25	0.03	0.00	34.50	1.25	0.03	0.00
31.95	1.25	0.03	0.00	34.55	1.25	0.03	0.00
32.00	1.25	0.03	0.00	34.60	1.25	0.03	0.00
32.05	1.25	0.03	0.00	34.65	1.25	0.03	0.00
32.10	1.25	0.03	0.00	34.70	1.25	0.03	0.00
32.15	1.25	0.03	0.00	34.75	1.25	0.03	0.00
32.20	1.25	0.03	0.00	34.80	1.25	0.03	0.00
32.25	1.25	0.03	0.00	34.85	1.25	0.03	0.00
32.30	1.25	0.03	0.00	34.90	1.25	0.03	0.00
32.35	1.25	0.03	0.00	34.95	1.25	0.03	0.00
32.40	1.25	0.03	0.00	35.00	1.25	0.03	0.00
32.45	1.25	0.03	0.00	35.05	1.25	0.03	0.00
32.50	1.25	0.03	0.00	35.10	1.25	0.03	0.00
32.55	1.25	0.03	0.00	35.15	1.25	0.03	0.00
32.60	1.25	0.03	0.00	35.20	1.25	0.03	0.00
32.65	1.25	0.03	0.00	35.25	1.25	0.03	0.00
32.70	1.25	0.03	0.00	35.30	1.25	0.03	0.00
32.75	1.25	0.03	0.00	35.35	1.25	0.03	0.00
32.80	1.25	0.03	0.00	35.40	1.25	0.03	0.00
32.85	1.25	0.03	0.00	35.45	1.25	0.03	0.00
32.90	1.25	0.03	0.00	35.50	1.25	0.03	0.00
32.95	1.25	0.03	0.00	35.55	1.25	0.03	0.00
33.00	1.25	0.03	0.00	35.60	1.25	0.03	0.00
33.05	1.25	0.03	0.00	35.65	1.25	0.03	0.00
33.10	1.25	0.03	0.00	35.70	1.25	0.03	0.00
33.15	1.25	0.03	0.00	35.75	1.25	0.03	0.00
33.20	1.25	0.03	0.00	35.80	1.25	0.03	0.00
33.25	1.25	0.03	0.00	35.85	1.25	0.03	0.00
33.30	1.25	0.03	0.00	35.90	1.25	0.03	0.00
33.35	1.25	0.03	0.00	35.95	1.25	0.03	0.00
33.40	1.25	0.03	0.00	36.00	1.25	0.03	0.00
33.45	1.25	0.03	0.00	36.05	1.25	0.03	0.00
33.50	1.25	0.03	0.00	36.10	1.25	0.03	0.00
33.55	1.25	0.03	0.00	36.15	1.25	0.03	0.00
33.60	1.25	0.03	0.00	36.20	1.25	0.03	0.00
33.65	1.25	0.03	0.00	36.25	1.25	0.03	0.00
33.70	1.25	0.03	0.00	36.30	1.25	0.03	0.00
33.75	1.25	0.03	0.00	36.35	1.25	0.03	0.00

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.03	0.00
36.45	1.25	0.03	0.00
36.50	1.25	0.03	0.00
36.55	1.25	0.03	0.00
36.60	1.25	0.03	0.00
36.65	1.25	0.03	0.00
36.70	1.25	0.03	0.00
36.75	1.25	0.03	0.00
36.80	1.25	0.03	0.00
36.85	1.25	0.03	0.00
36.90	1.25	0.03	0.00
36.95	1.25	0.03	0.00
37.00	1.25	0.03	0.00
37.05	1.25	0.03	0.00
37.10	1.25	0.03	0.00
37.15	1.25	0.03	0.00
37.20	1.25	0.03	0.00
37.25	1.25	0.03	0.00
37.30	1.25	0.03	0.00
37.35	1.25	0.03	0.00
37.40	1.25	0.03	0.00
37.45	1.25	0.03	0.00
37.50	1.25	0.03	0.00
37.55	1.25	0.03	0.00
37.60	1.25	0.03	0.00
37.65	1.25	0.03	0.00
37.70	1.25	0.03	0.00
37.75	1.25	0.03	0.00
37.80	1.25	0.03	0.00
37.85	1.25	0.03	0.00
37.90	1.25	0.03	0.00
37.95	1.25	0.03	0.00
38.00	1.25	0.03	0.00
38.05	1.25	0.03	0.00
38.10	1.25	0.03	0.00
38.15	1.25	0.03	0.00
38.20	1.25	0.03	0.00
38.25	1.25	0.03	0.00
38.30	1.25	0.03	0.00
38.35	1.25	0.03	0.00
38.40	1.25	0.03	0.00
38.45	1.25	0.03	0.00
38.50	1.25	0.03	0.00
38.55	1.25	0.03	0.00
38.60	1.25	0.03	0.00
38.65	1.25	0.03	0.00
38.70	1.25	0.03	0.00
38.75	1.25	0.03	0.00
38.80	1.25	0.03	0.00
38.85	1.25	0.03	0.00
38.90	1.25	0.03	0.00
38.95	1.25	0.03	0.00
39.00	1.25	0.03	0.00
39.05	1.25	0.03	0.00
39.10	1.25	0.03	0.00
39.15	1.25	0.03	0.00
39.20	1.25	0.03	0.00
39.25	1.25	0.03	0.00
39.30	1.25	0.03	0.00
39.35	1.25	0.03	0.00
39.40	1.25	0.03	0.00
39.45	1.25	0.03	0.00
39.50	1.25	0.03	0.00
39.55	1.25	0.03	0.00
39.60	1.25	0.03	0.00
39.65	1.25	0.03	0.00
39.70	1.25	0.03	0.00
39.75	1.25	0.03	0.00
39.80	1.25	0.03	0.00
39.85	1.25	0.03	0.00
39.90	1.25	0.03	0.00
39.95	1.25	0.03	0.00
40.00	1.25	0.03	0.00

Summary for Subcatchment 4S: PDA-6 (offsite impervious)

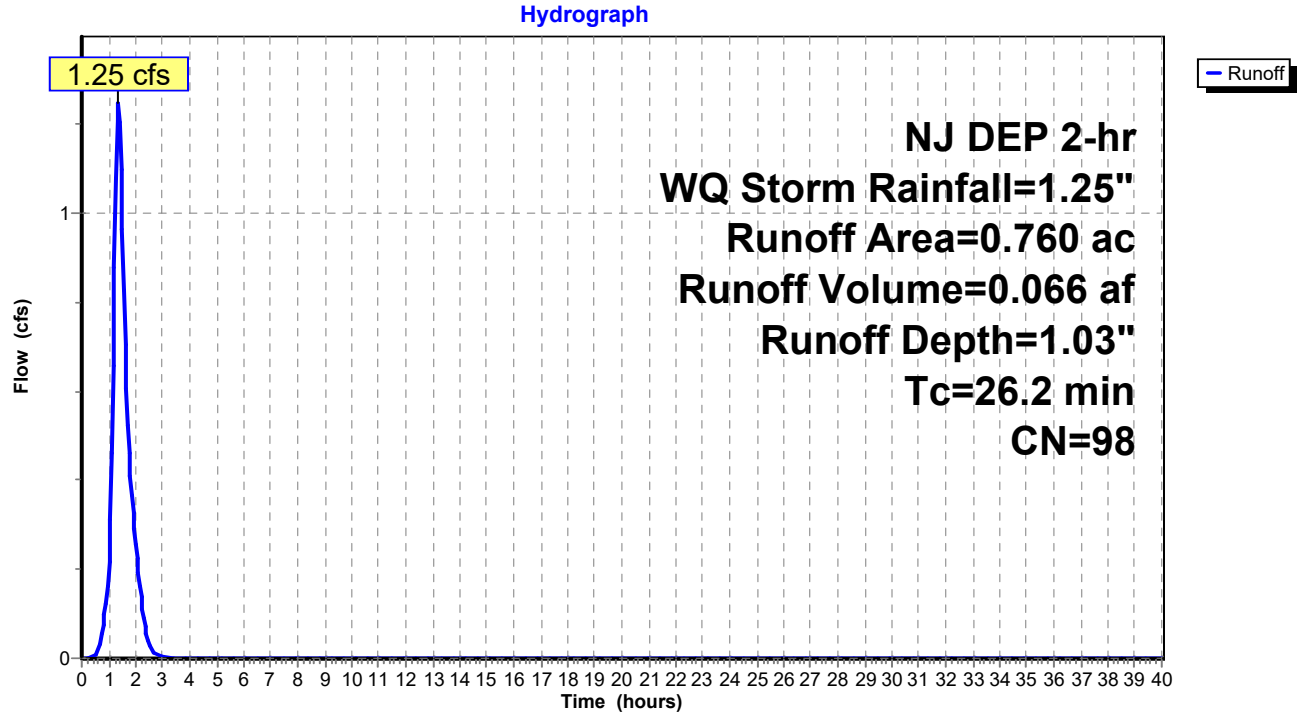
Runoff = 1.25 cfs @ 1.35 hrs, Volume= 0.066 af, Depth= 1.03"
Routed to Link PDA-6OF : Proposed Offsite Drainage Area #6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

	Area (ac)	CN	Description
*	0.760	98	
	0.760		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
26.2					**Direct Entry,**

Subcatchment 4S: PDA-6 (offsite impervious)



Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	1.03	0.02
0.05	0.00	0.00	0.00	2.65	1.25	1.03	0.01
0.10	0.01	0.00	0.00	2.70	1.25	1.03	0.01
0.15	0.01	0.00	0.00	2.75	1.25	1.03	0.01
0.20	0.02	0.00	0.00	2.80	1.25	1.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	1.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	1.03	0.00
0.35	0.06	0.00	0.00	2.95	1.25	1.03	0.00
0.40	0.07	0.00	0.00	3.00	1.25	1.03	0.00
0.45	0.09	0.01	0.00	3.05	1.25	1.03	0.00
0.50	0.10	0.01	0.00	3.10	1.25	1.03	0.00
0.55	0.12	0.02	0.01	3.15	1.25	1.03	0.00
0.60	0.14	0.03	0.01	3.20	1.25	1.03	0.00
0.65	0.16	0.04	0.02	3.25	1.25	1.03	0.00
0.70	0.18	0.06	0.04	3.30	1.25	1.03	0.00
0.75	0.20	0.07	0.06	3.35	1.25	1.03	0.00
0.80	0.23	0.09	0.07	3.40	1.25	1.03	0.00
0.85	0.28	0.13	0.10	3.45	1.25	1.03	0.00
0.90	0.34	0.18	0.12	3.50	1.25	1.03	0.00
0.95	0.46	0.29	0.16	3.55	1.25	1.03	0.00
1.00	0.63	0.43	0.22	3.60	1.25	1.03	0.00
1.05	0.79	0.58	0.31	3.65	1.25	1.03	0.00
1.10	0.91	0.71	0.46	3.70	1.25	1.03	0.00
1.15	0.97	0.76	0.66	3.75	1.25	1.03	0.00
1.20	1.02	0.81	0.88	3.80	1.25	1.03	0.00
1.25	1.05	0.84	1.08	3.85	1.25	1.03	0.00
1.30	1.07	0.86	1.21	3.90	1.25	1.03	0.00
1.35	1.09	0.88	**1.25**	3.95	1.25	1.03	0.00
1.40	1.11	0.90	1.20	4.00	1.25	1.03	0.00
1.45	1.13	0.92	1.10	4.05	1.25	1.03	0.00
1.50	1.15	0.94	0.96	4.10	1.25	1.03	0.00
1.55	1.17	0.95	0.82	4.15	1.25	1.03	0.00
1.60	1.18	0.97	0.70	4.20	1.25	1.03	0.00
1.65	1.20	0.98	0.60	4.25	1.25	1.03	0.00
1.70	1.21	1.00	0.52	4.30	1.25	1.03	0.00
1.75	1.23	1.01	0.46	4.35	1.25	1.03	0.00
1.80	1.23	1.02	0.41	4.40	1.25	1.03	0.00
1.85	1.24	1.02	0.36	4.45	1.25	1.03	0.00
1.90	1.24	1.02	0.33	4.50	1.25	1.03	0.00
1.95	1.25	1.03	0.29	4.55	1.25	1.03	0.00
2.00	**1.25**	**1.03**	0.26	4.60	1.25	1.03	0.00
2.05	1.25	1.03	0.22	4.65	1.25	1.03	0.00
2.10	1.25	1.03	0.19	4.70	1.25	1.03	0.00
2.15	1.25	1.03	0.16	4.75	1.25	1.03	0.00
2.20	1.25	1.03	0.14	4.80	1.25	1.03	0.00
2.25	1.25	1.03	0.11	4.85	1.25	1.03	0.00
2.30	1.25	1.03	0.09	4.90	1.25	1.03	0.00
2.35	1.25	1.03	0.07	4.95	1.25	1.03	0.00
2.40	1.25	1.03	0.05	5.00	1.25	1.03	0.00
2.45	1.25	1.03	0.04	5.05	1.25	1.03	0.00
2.50	1.25	1.03	0.03	5.10	1.25	1.03	0.00
2.55	1.25	1.03	0.02	5.15	1.25	1.03	0.00

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	1.03	0.00	7.80	1.25	1.03	0.00
5.25	1.25	1.03	0.00	7.85	1.25	1.03	0.00
5.30	1.25	1.03	0.00	7.90	1.25	1.03	0.00
5.35	1.25	1.03	0.00	7.95	1.25	1.03	0.00
5.40	1.25	1.03	0.00	8.00	1.25	1.03	0.00
5.45	1.25	1.03	0.00	8.05	1.25	1.03	0.00
5.50	1.25	1.03	0.00	8.10	1.25	1.03	0.00
5.55	1.25	1.03	0.00	8.15	1.25	1.03	0.00
5.60	1.25	1.03	0.00	8.20	1.25	1.03	0.00
5.65	1.25	1.03	0.00	8.25	1.25	1.03	0.00
5.70	1.25	1.03	0.00	8.30	1.25	1.03	0.00
5.75	1.25	1.03	0.00	8.35	1.25	1.03	0.00
5.80	1.25	1.03	0.00	8.40	1.25	1.03	0.00
5.85	1.25	1.03	0.00	8.45	1.25	1.03	0.00
5.90	1.25	1.03	0.00	8.50	1.25	1.03	0.00
5.95	1.25	1.03	0.00	8.55	1.25	1.03	0.00
6.00	1.25	1.03	0.00	8.60	1.25	1.03	0.00
6.05	1.25	1.03	0.00	8.65	1.25	1.03	0.00
6.10	1.25	1.03	0.00	8.70	1.25	1.03	0.00
6.15	1.25	1.03	0.00	8.75	1.25	1.03	0.00
6.20	1.25	1.03	0.00	8.80	1.25	1.03	0.00
6.25	1.25	1.03	0.00	8.85	1.25	1.03	0.00
6.30	1.25	1.03	0.00	8.90	1.25	1.03	0.00
6.35	1.25	1.03	0.00	8.95	1.25	1.03	0.00
6.40	1.25	1.03	0.00	9.00	1.25	1.03	0.00
6.45	1.25	1.03	0.00	9.05	1.25	1.03	0.00
6.50	1.25	1.03	0.00	9.10	1.25	1.03	0.00
6.55	1.25	1.03	0.00	9.15	1.25	1.03	0.00
6.60	1.25	1.03	0.00	9.20	1.25	1.03	0.00
6.65	1.25	1.03	0.00	9.25	1.25	1.03	0.00
6.70	1.25	1.03	0.00	9.30	1.25	1.03	0.00
6.75	1.25	1.03	0.00	9.35	1.25	1.03	0.00
6.80	1.25	1.03	0.00	9.40	1.25	1.03	0.00
6.85	1.25	1.03	0.00	9.45	1.25	1.03	0.00
6.90	1.25	1.03	0.00	9.50	1.25	1.03	0.00
6.95	1.25	1.03	0.00	9.55	1.25	1.03	0.00
7.00	1.25	1.03	0.00	9.60	1.25	1.03	0.00
7.05	1.25	1.03	0.00	9.65	1.25	1.03	0.00
7.10	1.25	1.03	0.00	9.70	1.25	1.03	0.00
7.15	1.25	1.03	0.00	9.75	1.25	1.03	0.00
7.20	1.25	1.03	0.00	9.80	1.25	1.03	0.00
7.25	1.25	1.03	0.00	9.85	1.25	1.03	0.00
7.30	1.25	1.03	0.00	9.90	1.25	1.03	0.00
7.35	1.25	1.03	0.00	9.95	1.25	1.03	0.00
7.40	1.25	1.03	0.00	10.00	1.25	1.03	0.00
7.45	1.25	1.03	0.00	10.05	1.25	1.03	0.00
7.50	1.25	1.03	0.00	10.10	1.25	1.03	0.00
7.55	1.25	1.03	0.00	10.15	1.25	1.03	0.00
7.60	1.25	1.03	0.00	10.20	1.25	1.03	0.00
7.65	1.25	1.03	0.00	10.25	1.25	1.03	0.00
7.70	1.25	1.03	0.00	10.30	1.25	1.03	0.00
7.75	1.25	1.03	0.00	10.35	1.25	1.03	0.00

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	1.03	0.00	13.00	1.25	1.03	0.00
10.45	1.25	1.03	0.00	13.05	1.25	1.03	0.00
10.50	1.25	1.03	0.00	13.10	1.25	1.03	0.00
10.55	1.25	1.03	0.00	13.15	1.25	1.03	0.00
10.60	1.25	1.03	0.00	13.20	1.25	1.03	0.00
10.65	1.25	1.03	0.00	13.25	1.25	1.03	0.00
10.70	1.25	1.03	0.00	13.30	1.25	1.03	0.00
10.75	1.25	1.03	0.00	13.35	1.25	1.03	0.00
10.80	1.25	1.03	0.00	13.40	1.25	1.03	0.00
10.85	1.25	1.03	0.00	13.45	1.25	1.03	0.00
10.90	1.25	1.03	0.00	13.50	1.25	1.03	0.00
10.95	1.25	1.03	0.00	13.55	1.25	1.03	0.00
11.00	1.25	1.03	0.00	13.60	1.25	1.03	0.00
11.05	1.25	1.03	0.00	13.65	1.25	1.03	0.00
11.10	1.25	1.03	0.00	13.70	1.25	1.03	0.00
11.15	1.25	1.03	0.00	13.75	1.25	1.03	0.00
11.20	1.25	1.03	0.00	13.80	1.25	1.03	0.00
11.25	1.25	1.03	0.00	13.85	1.25	1.03	0.00
11.30	1.25	1.03	0.00	13.90	1.25	1.03	0.00
11.35	1.25	1.03	0.00	13.95	1.25	1.03	0.00
11.40	1.25	1.03	0.00	14.00	1.25	1.03	0.00
11.45	1.25	1.03	0.00	14.05	1.25	1.03	0.00
11.50	1.25	1.03	0.00	14.10	1.25	1.03	0.00
11.55	1.25	1.03	0.00	14.15	1.25	1.03	0.00
11.60	1.25	1.03	0.00	14.20	1.25	1.03	0.00
11.65	1.25	1.03	0.00	14.25	1.25	1.03	0.00
11.70	1.25	1.03	0.00	14.30	1.25	1.03	0.00
11.75	1.25	1.03	0.00	14.35	1.25	1.03	0.00
11.80	1.25	1.03	0.00	14.40	1.25	1.03	0.00
11.85	1.25	1.03	0.00	14.45	1.25	1.03	0.00
11.90	1.25	1.03	0.00	14.50	1.25	1.03	0.00
11.95	1.25	1.03	0.00	14.55	1.25	1.03	0.00
12.00	1.25	1.03	0.00	14.60	1.25	1.03	0.00
12.05	1.25	1.03	0.00	14.65	1.25	1.03	0.00
12.10	1.25	1.03	0.00	14.70	1.25	1.03	0.00
12.15	1.25	1.03	0.00	14.75	1.25	1.03	0.00
12.20	1.25	1.03	0.00	14.80	1.25	1.03	0.00
12.25	1.25	1.03	0.00	14.85	1.25	1.03	0.00
12.30	1.25	1.03	0.00	14.90	1.25	1.03	0.00
12.35	1.25	1.03	0.00	14.95	1.25	1.03	0.00
12.40	1.25	1.03	0.00	15.00	1.25	1.03	0.00
12.45	1.25	1.03	0.00	15.05	1.25	1.03	0.00
12.50	1.25	1.03	0.00	15.10	1.25	1.03	0.00
12.55	1.25	1.03	0.00	15.15	1.25	1.03	0.00
12.60	1.25	1.03	0.00	15.20	1.25	1.03	0.00
12.65	1.25	1.03	0.00	15.25	1.25	1.03	0.00
12.70	1.25	1.03	0.00	15.30	1.25	1.03	0.00
12.75	1.25	1.03	0.00	15.35	1.25	1.03	0.00
12.80	1.25	1.03	0.00	15.40	1.25	1.03	0.00
12.85	1.25	1.03	0.00	15.45	1.25	1.03	0.00
12.90	1.25	1.03	0.00	15.50	1.25	1.03	0.00
12.95	1.25	1.03	0.00	15.55	1.25	1.03	0.00

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	1.03	0.00	18.20	1.25	1.03	0.00
15.65	1.25	1.03	0.00	18.25	1.25	1.03	0.00
15.70	1.25	1.03	0.00	18.30	1.25	1.03	0.00
15.75	1.25	1.03	0.00	18.35	1.25	1.03	0.00
15.80	1.25	1.03	0.00	18.40	1.25	1.03	0.00
15.85	1.25	1.03	0.00	18.45	1.25	1.03	0.00
15.90	1.25	1.03	0.00	18.50	1.25	1.03	0.00
15.95	1.25	1.03	0.00	18.55	1.25	1.03	0.00
16.00	1.25	1.03	0.00	18.60	1.25	1.03	0.00
16.05	1.25	1.03	0.00	18.65	1.25	1.03	0.00
16.10	1.25	1.03	0.00	18.70	1.25	1.03	0.00
16.15	1.25	1.03	0.00	18.75	1.25	1.03	0.00
16.20	1.25	1.03	0.00	18.80	1.25	1.03	0.00
16.25	1.25	1.03	0.00	18.85	1.25	1.03	0.00
16.30	1.25	1.03	0.00	18.90	1.25	1.03	0.00
16.35	1.25	1.03	0.00	18.95	1.25	1.03	0.00
16.40	1.25	1.03	0.00	19.00	1.25	1.03	0.00
16.45	1.25	1.03	0.00	19.05	1.25	1.03	0.00
16.50	1.25	1.03	0.00	19.10	1.25	1.03	0.00
16.55	1.25	1.03	0.00	19.15	1.25	1.03	0.00
16.60	1.25	1.03	0.00	19.20	1.25	1.03	0.00
16.65	1.25	1.03	0.00	19.25	1.25	1.03	0.00
16.70	1.25	1.03	0.00	19.30	1.25	1.03	0.00
16.75	1.25	1.03	0.00	19.35	1.25	1.03	0.00
16.80	1.25	1.03	0.00	19.40	1.25	1.03	0.00
16.85	1.25	1.03	0.00	19.45	1.25	1.03	0.00
16.90	1.25	1.03	0.00	19.50	1.25	1.03	0.00
16.95	1.25	1.03	0.00	19.55	1.25	1.03	0.00
17.00	1.25	1.03	0.00	19.60	1.25	1.03	0.00
17.05	1.25	1.03	0.00	19.65	1.25	1.03	0.00
17.10	1.25	1.03	0.00	19.70	1.25	1.03	0.00
17.15	1.25	1.03	0.00	19.75	1.25	1.03	0.00
17.20	1.25	1.03	0.00	19.80	1.25	1.03	0.00
17.25	1.25	1.03	0.00	19.85	1.25	1.03	0.00
17.30	1.25	1.03	0.00	19.90	1.25	1.03	0.00
17.35	1.25	1.03	0.00	19.95	1.25	1.03	0.00
17.40	1.25	1.03	0.00	20.00	1.25	1.03	0.00
17.45	1.25	1.03	0.00	20.05	1.25	1.03	0.00
17.50	1.25	1.03	0.00	20.10	1.25	1.03	0.00
17.55	1.25	1.03	0.00	20.15	1.25	1.03	0.00
17.60	1.25	1.03	0.00	20.20	1.25	1.03	0.00
17.65	1.25	1.03	0.00	20.25	1.25	1.03	0.00
17.70	1.25	1.03	0.00	20.30	1.25	1.03	0.00
17.75	1.25	1.03	0.00	20.35	1.25	1.03	0.00
17.80	1.25	1.03	0.00	20.40	1.25	1.03	0.00
17.85	1.25	1.03	0.00	20.45	1.25	1.03	0.00
17.90	1.25	1.03	0.00	20.50	1.25	1.03	0.00
17.95	1.25	1.03	0.00	20.55	1.25	1.03	0.00
18.00	1.25	1.03	0.00	20.60	1.25	1.03	0.00
18.05	1.25	1.03	0.00	20.65	1.25	1.03	0.00
18.10	1.25	1.03	0.00	20.70	1.25	1.03	0.00
18.15	1.25	1.03	0.00	20.75	1.25	1.03	0.00

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	1.03	0.00	23.40	1.25	1.03	0.00
20.85	1.25	1.03	0.00	23.45	1.25	1.03	0.00
20.90	1.25	1.03	0.00	23.50	1.25	1.03	0.00
20.95	1.25	1.03	0.00	23.55	1.25	1.03	0.00
21.00	1.25	1.03	0.00	23.60	1.25	1.03	0.00
21.05	1.25	1.03	0.00	23.65	1.25	1.03	0.00
21.10	1.25	1.03	0.00	23.70	1.25	1.03	0.00
21.15	1.25	1.03	0.00	23.75	1.25	1.03	0.00
21.20	1.25	1.03	0.00	23.80	1.25	1.03	0.00
21.25	1.25	1.03	0.00	23.85	1.25	1.03	0.00
21.30	1.25	1.03	0.00	23.90	1.25	1.03	0.00
21.35	1.25	1.03	0.00	23.95	1.25	1.03	0.00
21.40	1.25	1.03	0.00	24.00	1.25	1.03	0.00
21.45	1.25	1.03	0.00	24.05	1.25	1.03	0.00
21.50	1.25	1.03	0.00	24.10	1.25	1.03	0.00
21.55	1.25	1.03	0.00	24.15	1.25	1.03	0.00
21.60	1.25	1.03	0.00	24.20	1.25	1.03	0.00
21.65	1.25	1.03	0.00	24.25	1.25	1.03	0.00
21.70	1.25	1.03	0.00	24.30	1.25	1.03	0.00
21.75	1.25	1.03	0.00	24.35	1.25	1.03	0.00
21.80	1.25	1.03	0.00	24.40	1.25	1.03	0.00
21.85	1.25	1.03	0.00	24.45	1.25	1.03	0.00
21.90	1.25	1.03	0.00	24.50	1.25	1.03	0.00
21.95	1.25	1.03	0.00	24.55	1.25	1.03	0.00
22.00	1.25	1.03	0.00	24.60	1.25	1.03	0.00
22.05	1.25	1.03	0.00	24.65	1.25	1.03	0.00
22.10	1.25	1.03	0.00	24.70	1.25	1.03	0.00
22.15	1.25	1.03	0.00	24.75	1.25	1.03	0.00
22.20	1.25	1.03	0.00	24.80	1.25	1.03	0.00
22.25	1.25	1.03	0.00	24.85	1.25	1.03	0.00
22.30	1.25	1.03	0.00	24.90	1.25	1.03	0.00
22.35	1.25	1.03	0.00	24.95	1.25	1.03	0.00
22.40	1.25	1.03	0.00	25.00	1.25	1.03	0.00
22.45	1.25	1.03	0.00	25.05	1.25	1.03	0.00
22.50	1.25	1.03	0.00	25.10	1.25	1.03	0.00
22.55	1.25	1.03	0.00	25.15	1.25	1.03	0.00
22.60	1.25	1.03	0.00	25.20	1.25	1.03	0.00
22.65	1.25	1.03	0.00	25.25	1.25	1.03	0.00
22.70	1.25	1.03	0.00	25.30	1.25	1.03	0.00
22.75	1.25	1.03	0.00	25.35	1.25	1.03	0.00
22.80	1.25	1.03	0.00	25.40	1.25	1.03	0.00
22.85	1.25	1.03	0.00	25.45	1.25	1.03	0.00
22.90	1.25	1.03	0.00	25.50	1.25	1.03	0.00
22.95	1.25	1.03	0.00	25.55	1.25	1.03	0.00
23.00	1.25	1.03	0.00	25.60	1.25	1.03	0.00
23.05	1.25	1.03	0.00	25.65	1.25	1.03	0.00
23.10	1.25	1.03	0.00	25.70	1.25	1.03	0.00
23.15	1.25	1.03	0.00	25.75	1.25	1.03	0.00
23.20	1.25	1.03	0.00	25.80	1.25	1.03	0.00
23.25	1.25	1.03	0.00	25.85	1.25	1.03	0.00
23.30	1.25	1.03	0.00	25.90	1.25	1.03	0.00
23.35	1.25	1.03	0.00	25.95	1.25	1.03	0.00

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00	30.05	1.25	1.03	0.00
27.50	1.25	1.03	0.00	30.10	1.25	1.03	0.00
27.55	1.25	1.03	0.00	30.15	1.25	1.03	0.00
27.60	1.25	1.03	0.00	30.20	1.25	1.03	0.00
27.65	1.25	1.03	0.00	30.25	1.25	1.03	0.00
27.70	1.25	1.03	0.00	30.30	1.25	1.03	0.00
27.75	1.25	1.03	0.00	30.35	1.25	1.03	0.00
27.80	1.25	1.03	0.00	30.40	1.25	1.03	0.00
27.85	1.25	1.03	0.00	30.45	1.25	1.03	0.00
27.90	1.25	1.03	0.00	30.50	1.25	1.03	0.00
27.95	1.25	1.03	0.00	30.55	1.25	1.03	0.00
28.00	1.25	1.03	0.00	30.60	1.25	1.03	0.00
28.05	1.25	1.03	0.00	30.65	1.25	1.03	0.00
28.10	1.25	1.03	0.00	30.70	1.25	1.03	0.00
28.15	1.25	1.03	0.00	30.75	1.25	1.03	0.00
28.20	1.25	1.03	0.00	30.80	1.25	1.03	0.00
28.25	1.25	1.03	0.00	30.85	1.25	1.03	0.00
28.30	1.25	1.03	0.00	30.90	1.25	1.03	0.00
28.35	1.25	1.03	0.00	30.95	1.25	1.03	0.00
28.40	1.25	1.03	0.00	31.00	1.25	1.03	0.00
28.45	1.25	1.03	0.00	31.05	1.25	1.03	0.00
28.50	1.25	1.03	0.00	31.10	1.25	1.03	0.00
28.55	1.25	1.03	0.00	31.15	1.25	1.03	0.00

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	1.03	0.00	33.80	1.25	1.03	0.00
31.25	1.25	1.03	0.00	33.85	1.25	1.03	0.00
31.30	1.25	1.03	0.00	33.90	1.25	1.03	0.00
31.35	1.25	1.03	0.00	33.95	1.25	1.03	0.00
31.40	1.25	1.03	0.00	34.00	1.25	1.03	0.00
31.45	1.25	1.03	0.00	34.05	1.25	1.03	0.00
31.50	1.25	1.03	0.00	34.10	1.25	1.03	0.00
31.55	1.25	1.03	0.00	34.15	1.25	1.03	0.00
31.60	1.25	1.03	0.00	34.20	1.25	1.03	0.00
31.65	1.25	1.03	0.00	34.25	1.25	1.03	0.00
31.70	1.25	1.03	0.00	34.30	1.25	1.03	0.00
31.75	1.25	1.03	0.00	34.35	1.25	1.03	0.00
31.80	1.25	1.03	0.00	34.40	1.25	1.03	0.00
31.85	1.25	1.03	0.00	34.45	1.25	1.03	0.00
31.90	1.25	1.03	0.00	34.50	1.25	1.03	0.00
31.95	1.25	1.03	0.00	34.55	1.25	1.03	0.00
32.00	1.25	1.03	0.00	34.60	1.25	1.03	0.00
32.05	1.25	1.03	0.00	34.65	1.25	1.03	0.00
32.10	1.25	1.03	0.00	34.70	1.25	1.03	0.00
32.15	1.25	1.03	0.00	34.75	1.25	1.03	0.00
32.20	1.25	1.03	0.00	34.80	1.25	1.03	0.00
32.25	1.25	1.03	0.00	34.85	1.25	1.03	0.00
32.30	1.25	1.03	0.00	34.90	1.25	1.03	0.00
32.35	1.25	1.03	0.00	34.95	1.25	1.03	0.00
32.40	1.25	1.03	0.00	35.00	1.25	1.03	0.00
32.45	1.25	1.03	0.00	35.05	1.25	1.03	0.00
32.50	1.25	1.03	0.00	35.10	1.25	1.03	0.00
32.55	1.25	1.03	0.00	35.15	1.25	1.03	0.00
32.60	1.25	1.03	0.00	35.20	1.25	1.03	0.00
32.65	1.25	1.03	0.00	35.25	1.25	1.03	0.00
32.70	1.25	1.03	0.00	35.30	1.25	1.03	0.00
32.75	1.25	1.03	0.00	35.35	1.25	1.03	0.00
32.80	1.25	1.03	0.00	35.40	1.25	1.03	0.00
32.85	1.25	1.03	0.00	35.45	1.25	1.03	0.00
32.90	1.25	1.03	0.00	35.50	1.25	1.03	0.00
32.95	1.25	1.03	0.00	35.55	1.25	1.03	0.00
33.00	1.25	1.03	0.00	35.60	1.25	1.03	0.00
33.05	1.25	1.03	0.00	35.65	1.25	1.03	0.00
33.10	1.25	1.03	0.00	35.70	1.25	1.03	0.00
33.15	1.25	1.03	0.00	35.75	1.25	1.03	0.00
33.20	1.25	1.03	0.00	35.80	1.25	1.03	0.00
33.25	1.25	1.03	0.00	35.85	1.25	1.03	0.00
33.30	1.25	1.03	0.00	35.90	1.25	1.03	0.00
33.35	1.25	1.03	0.00	35.95	1.25	1.03	0.00
33.40	1.25	1.03	0.00	36.00	1.25	1.03	0.00
33.45	1.25	1.03	0.00	36.05	1.25	1.03	0.00
33.50	1.25	1.03	0.00	36.10	1.25	1.03	0.00
33.55	1.25	1.03	0.00	36.15	1.25	1.03	0.00
33.60	1.25	1.03	0.00	36.20	1.25	1.03	0.00
33.65	1.25	1.03	0.00	36.25	1.25	1.03	0.00
33.70	1.25	1.03	0.00	36.30	1.25	1.03	0.00
33.75	1.25	1.03	0.00	36.35	1.25	1.03	0.00

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	1.03	0.00
36.45	1.25	1.03	0.00
36.50	1.25	1.03	0.00
36.55	1.25	1.03	0.00
36.60	1.25	1.03	0.00
36.65	1.25	1.03	0.00
36.70	1.25	1.03	0.00
36.75	1.25	1.03	0.00
36.80	1.25	1.03	0.00
36.85	1.25	1.03	0.00
36.90	1.25	1.03	0.00
36.95	1.25	1.03	0.00
37.00	1.25	1.03	0.00
37.05	1.25	1.03	0.00
37.10	1.25	1.03	0.00
37.15	1.25	1.03	0.00
37.20	1.25	1.03	0.00
37.25	1.25	1.03	0.00
37.30	1.25	1.03	0.00
37.35	1.25	1.03	0.00
37.40	1.25	1.03	0.00
37.45	1.25	1.03	0.00
37.50	1.25	1.03	0.00
37.55	1.25	1.03	0.00
37.60	1.25	1.03	0.00
37.65	1.25	1.03	0.00
37.70	1.25	1.03	0.00
37.75	1.25	1.03	0.00
37.80	1.25	1.03	0.00
37.85	1.25	1.03	0.00
37.90	1.25	1.03	0.00
37.95	1.25	1.03	0.00
38.00	1.25	1.03	0.00
38.05	1.25	1.03	0.00
38.10	1.25	1.03	0.00
38.15	1.25	1.03	0.00
38.20	1.25	1.03	0.00
38.25	1.25	1.03	0.00
38.30	1.25	1.03	0.00
38.35	1.25	1.03	0.00
38.40	1.25	1.03	0.00
38.45	1.25	1.03	0.00
38.50	1.25	1.03	0.00
38.55	1.25	1.03	0.00
38.60	1.25	1.03	0.00
38.65	1.25	1.03	0.00
38.70	1.25	1.03	0.00
38.75	1.25	1.03	0.00
38.80	1.25	1.03	0.00
38.85	1.25	1.03	0.00
38.90	1.25	1.03	0.00
38.95	1.25	1.03	0.00
39.00	1.25	1.03	0.00
39.05	1.25	1.03	0.00
39.10	1.25	1.03	0.00
39.15	1.25	1.03	0.00
39.20	1.25	1.03	0.00
39.25	1.25	1.03	0.00
39.30	1.25	1.03	0.00
39.35	1.25	1.03	0.00
39.40	1.25	1.03	0.00
39.45	1.25	1.03	0.00
39.50	1.25	1.03	0.00
39.55	1.25	1.03	0.00
39.60	1.25	1.03	0.00
39.65	1.25	1.03	0.00
39.70	1.25	1.03	0.00
39.75	1.25	1.03	0.00
39.80	1.25	1.03	0.00
39.85	1.25	1.03	0.00
39.90	1.25	1.03	0.00
39.95	1.25	1.03	0.00
40.00	1.25	1.03	0.00

Summary for Subcatchment 51I: PDA-51 (impervious)

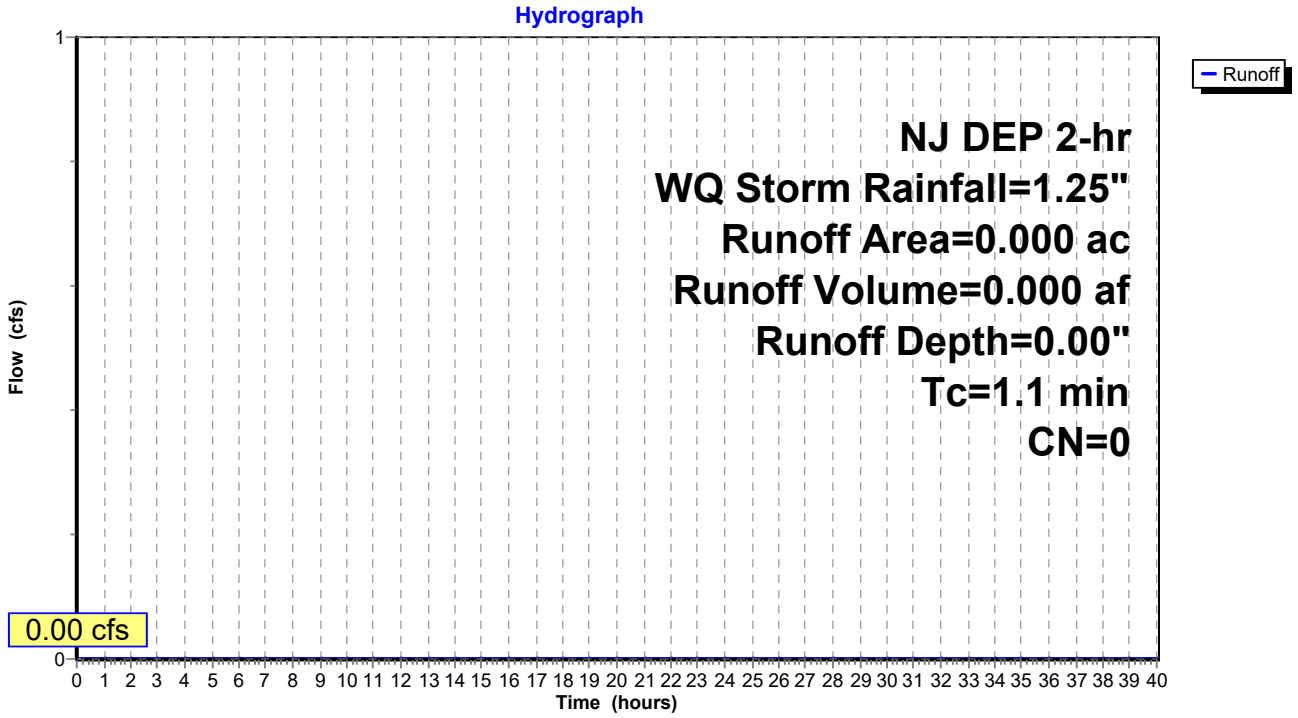
Runoff = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Depth= 0.00"
Routed to Pond B-51 : Basin #51

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

	Area (ac)	CN	Description
*	0.000	98	Roof, HSG C

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.1					**Direct Entry,**

Subcatchment 51I: PDA-51 (impervious)



Hydrograph for Subcatchment 51I: PDA-51 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	**0.00**	**0.00**	2.60	1.25	0.00	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.00	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.00	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.00	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.00	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.00	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.00	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.00	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.00	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.00	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.00	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.00	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.00	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.00	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.00	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.00	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.00	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.00	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.00	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.00	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.00	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.00	0.00
1.10	0.91	0.00	0.00	3.70	1.25	0.00	0.00
1.15	0.97	0.00	0.00	3.75	1.25	0.00	0.00
1.20	1.02	0.00	0.00	3.80	1.25	0.00	0.00
1.25	1.05	0.00	0.00	3.85	1.25	0.00	0.00
1.30	1.07	0.00	0.00	3.90	1.25	0.00	0.00
1.35	1.09	0.00	0.00	3.95	1.25	0.00	0.00
1.40	1.11	0.00	0.00	4.00	1.25	0.00	0.00
1.45	1.13	0.00	0.00	4.05	1.25	0.00	0.00
1.50	1.15	0.00	0.00	4.10	1.25	0.00	0.00
1.55	1.17	0.00	0.00	4.15	1.25	0.00	0.00
1.60	1.18	0.00	0.00	4.20	1.25	0.00	0.00
1.65	1.20	0.00	0.00	4.25	1.25	0.00	0.00
1.70	1.21	0.00	0.00	4.30	1.25	0.00	0.00
1.75	1.23	0.00	0.00	4.35	1.25	0.00	0.00
1.80	1.23	0.00	0.00	4.40	1.25	0.00	0.00
1.85	1.24	0.00	0.00	4.45	1.25	0.00	0.00
1.90	1.24	0.00	0.00	4.50	1.25	0.00	0.00
1.95	1.25	0.00	0.00	4.55	1.25	0.00	0.00
2.00	**1.25**	0.00	0.00	4.60	1.25	0.00	0.00
2.05	1.25	0.00	0.00	4.65	1.25	0.00	0.00
2.10	1.25	0.00	0.00	4.70	1.25	0.00	0.00
2.15	1.25	0.00	0.00	4.75	1.25	0.00	0.00
2.20	1.25	0.00	0.00	4.80	1.25	0.00	0.00
2.25	1.25	0.00	0.00	4.85	1.25	0.00	0.00
2.30	1.25	0.00	0.00	4.90	1.25	0.00	0.00
2.35	1.25	0.00	0.00	4.95	1.25	0.00	0.00
2.40	1.25	0.00	0.00	5.00	1.25	0.00	0.00
2.45	1.25	0.00	0.00	5.05	1.25	0.00	0.00
2.50	1.25	0.00	0.00	5.10	1.25	0.00	0.00
2.55	1.25	0.00	0.00	5.15	1.25	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.00	0.00	7.80	1.25	0.00	0.00
5.25	1.25	0.00	0.00	7.85	1.25	0.00	0.00
5.30	1.25	0.00	0.00	7.90	1.25	0.00	0.00
5.35	1.25	0.00	0.00	7.95	1.25	0.00	0.00
5.40	1.25	0.00	0.00	8.00	1.25	0.00	0.00
5.45	1.25	0.00	0.00	8.05	1.25	0.00	0.00
5.50	1.25	0.00	0.00	8.10	1.25	0.00	0.00
5.55	1.25	0.00	0.00	8.15	1.25	0.00	0.00
5.60	1.25	0.00	0.00	8.20	1.25	0.00	0.00
5.65	1.25	0.00	0.00	8.25	1.25	0.00	0.00
5.70	1.25	0.00	0.00	8.30	1.25	0.00	0.00
5.75	1.25	0.00	0.00	8.35	1.25	0.00	0.00
5.80	1.25	0.00	0.00	8.40	1.25	0.00	0.00
5.85	1.25	0.00	0.00	8.45	1.25	0.00	0.00
5.90	1.25	0.00	0.00	8.50	1.25	0.00	0.00
5.95	1.25	0.00	0.00	8.55	1.25	0.00	0.00
6.00	1.25	0.00	0.00	8.60	1.25	0.00	0.00
6.05	1.25	0.00	0.00	8.65	1.25	0.00	0.00
6.10	1.25	0.00	0.00	8.70	1.25	0.00	0.00
6.15	1.25	0.00	0.00	8.75	1.25	0.00	0.00
6.20	1.25	0.00	0.00	8.80	1.25	0.00	0.00
6.25	1.25	0.00	0.00	8.85	1.25	0.00	0.00
6.30	1.25	0.00	0.00	8.90	1.25	0.00	0.00
6.35	1.25	0.00	0.00	8.95	1.25	0.00	0.00
6.40	1.25	0.00	0.00	9.00	1.25	0.00	0.00
6.45	1.25	0.00	0.00	9.05	1.25	0.00	0.00
6.50	1.25	0.00	0.00	9.10	1.25	0.00	0.00
6.55	1.25	0.00	0.00	9.15	1.25	0.00	0.00
6.60	1.25	0.00	0.00	9.20	1.25	0.00	0.00
6.65	1.25	0.00	0.00	9.25	1.25	0.00	0.00
6.70	1.25	0.00	0.00	9.30	1.25	0.00	0.00
6.75	1.25	0.00	0.00	9.35	1.25	0.00	0.00
6.80	1.25	0.00	0.00	9.40	1.25	0.00	0.00
6.85	1.25	0.00	0.00	9.45	1.25	0.00	0.00
6.90	1.25	0.00	0.00	9.50	1.25	0.00	0.00
6.95	1.25	0.00	0.00	9.55	1.25	0.00	0.00
7.00	1.25	0.00	0.00	9.60	1.25	0.00	0.00
7.05	1.25	0.00	0.00	9.65	1.25	0.00	0.00
7.10	1.25	0.00	0.00	9.70	1.25	0.00	0.00
7.15	1.25	0.00	0.00	9.75	1.25	0.00	0.00
7.20	1.25	0.00	0.00	9.80	1.25	0.00	0.00
7.25	1.25	0.00	0.00	9.85	1.25	0.00	0.00
7.30	1.25	0.00	0.00	9.90	1.25	0.00	0.00
7.35	1.25	0.00	0.00	9.95	1.25	0.00	0.00
7.40	1.25	0.00	0.00	10.00	1.25	0.00	0.00
7.45	1.25	0.00	0.00	10.05	1.25	0.00	0.00
7.50	1.25	0.00	0.00	10.10	1.25	0.00	0.00
7.55	1.25	0.00	0.00	10.15	1.25	0.00	0.00
7.60	1.25	0.00	0.00	10.20	1.25	0.00	0.00
7.65	1.25	0.00	0.00	10.25	1.25	0.00	0.00
7.70	1.25	0.00	0.00	10.30	1.25	0.00	0.00
7.75	1.25	0.00	0.00	10.35	1.25	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.00	0.00	13.00	1.25	0.00	0.00
10.45	1.25	0.00	0.00	13.05	1.25	0.00	0.00
10.50	1.25	0.00	0.00	13.10	1.25	0.00	0.00
10.55	1.25	0.00	0.00	13.15	1.25	0.00	0.00
10.60	1.25	0.00	0.00	13.20	1.25	0.00	0.00
10.65	1.25	0.00	0.00	13.25	1.25	0.00	0.00
10.70	1.25	0.00	0.00	13.30	1.25	0.00	0.00
10.75	1.25	0.00	0.00	13.35	1.25	0.00	0.00
10.80	1.25	0.00	0.00	13.40	1.25	0.00	0.00
10.85	1.25	0.00	0.00	13.45	1.25	0.00	0.00
10.90	1.25	0.00	0.00	13.50	1.25	0.00	0.00
10.95	1.25	0.00	0.00	13.55	1.25	0.00	0.00
11.00	1.25	0.00	0.00	13.60	1.25	0.00	0.00
11.05	1.25	0.00	0.00	13.65	1.25	0.00	0.00
11.10	1.25	0.00	0.00	13.70	1.25	0.00	0.00
11.15	1.25	0.00	0.00	13.75	1.25	0.00	0.00
11.20	1.25	0.00	0.00	13.80	1.25	0.00	0.00
11.25	1.25	0.00	0.00	13.85	1.25	0.00	0.00
11.30	1.25	0.00	0.00	13.90	1.25	0.00	0.00
11.35	1.25	0.00	0.00	13.95	1.25	0.00	0.00
11.40	1.25	0.00	0.00	14.00	1.25	0.00	0.00
11.45	1.25	0.00	0.00	14.05	1.25	0.00	0.00
11.50	1.25	0.00	0.00	14.10	1.25	0.00	0.00
11.55	1.25	0.00	0.00	14.15	1.25	0.00	0.00
11.60	1.25	0.00	0.00	14.20	1.25	0.00	0.00
11.65	1.25	0.00	0.00	14.25	1.25	0.00	0.00
11.70	1.25	0.00	0.00	14.30	1.25	0.00	0.00
11.75	1.25	0.00	0.00	14.35	1.25	0.00	0.00
11.80	1.25	0.00	0.00	14.40	1.25	0.00	0.00
11.85	1.25	0.00	0.00	14.45	1.25	0.00	0.00
11.90	1.25	0.00	0.00	14.50	1.25	0.00	0.00
11.95	1.25	0.00	0.00	14.55	1.25	0.00	0.00
12.00	1.25	0.00	0.00	14.60	1.25	0.00	0.00
12.05	1.25	0.00	0.00	14.65	1.25	0.00	0.00
12.10	1.25	0.00	0.00	14.70	1.25	0.00	0.00
12.15	1.25	0.00	0.00	14.75	1.25	0.00	0.00
12.20	1.25	0.00	0.00	14.80	1.25	0.00	0.00
12.25	1.25	0.00	0.00	14.85	1.25	0.00	0.00
12.30	1.25	0.00	0.00	14.90	1.25	0.00	0.00
12.35	1.25	0.00	0.00	14.95	1.25	0.00	0.00
12.40	1.25	0.00	0.00	15.00	1.25	0.00	0.00
12.45	1.25	0.00	0.00	15.05	1.25	0.00	0.00
12.50	1.25	0.00	0.00	15.10	1.25	0.00	0.00
12.55	1.25	0.00	0.00	15.15	1.25	0.00	0.00
12.60	1.25	0.00	0.00	15.20	1.25	0.00	0.00
12.65	1.25	0.00	0.00	15.25	1.25	0.00	0.00
12.70	1.25	0.00	0.00	15.30	1.25	0.00	0.00
12.75	1.25	0.00	0.00	15.35	1.25	0.00	0.00
12.80	1.25	0.00	0.00	15.40	1.25	0.00	0.00
12.85	1.25	0.00	0.00	15.45	1.25	0.00	0.00
12.90	1.25	0.00	0.00	15.50	1.25	0.00	0.00
12.95	1.25	0.00	0.00	15.55	1.25	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.00	0.00	18.20	1.25	0.00	0.00
15.65	1.25	0.00	0.00	18.25	1.25	0.00	0.00
15.70	1.25	0.00	0.00	18.30	1.25	0.00	0.00
15.75	1.25	0.00	0.00	18.35	1.25	0.00	0.00
15.80	1.25	0.00	0.00	18.40	1.25	0.00	0.00
15.85	1.25	0.00	0.00	18.45	1.25	0.00	0.00
15.90	1.25	0.00	0.00	18.50	1.25	0.00	0.00
15.95	1.25	0.00	0.00	18.55	1.25	0.00	0.00
16.00	1.25	0.00	0.00	18.60	1.25	0.00	0.00
16.05	1.25	0.00	0.00	18.65	1.25	0.00	0.00
16.10	1.25	0.00	0.00	18.70	1.25	0.00	0.00
16.15	1.25	0.00	0.00	18.75	1.25	0.00	0.00
16.20	1.25	0.00	0.00	18.80	1.25	0.00	0.00
16.25	1.25	0.00	0.00	18.85	1.25	0.00	0.00
16.30	1.25	0.00	0.00	18.90	1.25	0.00	0.00
16.35	1.25	0.00	0.00	18.95	1.25	0.00	0.00
16.40	1.25	0.00	0.00	19.00	1.25	0.00	0.00
16.45	1.25	0.00	0.00	19.05	1.25	0.00	0.00
16.50	1.25	0.00	0.00	19.10	1.25	0.00	0.00
16.55	1.25	0.00	0.00	19.15	1.25	0.00	0.00
16.60	1.25	0.00	0.00	19.20	1.25	0.00	0.00
16.65	1.25	0.00	0.00	19.25	1.25	0.00	0.00
16.70	1.25	0.00	0.00	19.30	1.25	0.00	0.00
16.75	1.25	0.00	0.00	19.35	1.25	0.00	0.00
16.80	1.25	0.00	0.00	19.40	1.25	0.00	0.00
16.85	1.25	0.00	0.00	19.45	1.25	0.00	0.00
16.90	1.25	0.00	0.00	19.50	1.25	0.00	0.00
16.95	1.25	0.00	0.00	19.55	1.25	0.00	0.00
17.00	1.25	0.00	0.00	19.60	1.25	0.00	0.00
17.05	1.25	0.00	0.00	19.65	1.25	0.00	0.00
17.10	1.25	0.00	0.00	19.70	1.25	0.00	0.00
17.15	1.25	0.00	0.00	19.75	1.25	0.00	0.00
17.20	1.25	0.00	0.00	19.80	1.25	0.00	0.00
17.25	1.25	0.00	0.00	19.85	1.25	0.00	0.00
17.30	1.25	0.00	0.00	19.90	1.25	0.00	0.00
17.35	1.25	0.00	0.00	19.95	1.25	0.00	0.00
17.40	1.25	0.00	0.00	20.00	1.25	0.00	0.00
17.45	1.25	0.00	0.00	20.05	1.25	0.00	0.00
17.50	1.25	0.00	0.00	20.10	1.25	0.00	0.00
17.55	1.25	0.00	0.00	20.15	1.25	0.00	0.00
17.60	1.25	0.00	0.00	20.20	1.25	0.00	0.00
17.65	1.25	0.00	0.00	20.25	1.25	0.00	0.00
17.70	1.25	0.00	0.00	20.30	1.25	0.00	0.00
17.75	1.25	0.00	0.00	20.35	1.25	0.00	0.00
17.80	1.25	0.00	0.00	20.40	1.25	0.00	0.00
17.85	1.25	0.00	0.00	20.45	1.25	0.00	0.00
17.90	1.25	0.00	0.00	20.50	1.25	0.00	0.00
17.95	1.25	0.00	0.00	20.55	1.25	0.00	0.00
18.00	1.25	0.00	0.00	20.60	1.25	0.00	0.00
18.05	1.25	0.00	0.00	20.65	1.25	0.00	0.00
18.10	1.25	0.00	0.00	20.70	1.25	0.00	0.00
18.15	1.25	0.00	0.00	20.75	1.25	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.00	0.00	23.40	1.25	0.00	0.00
20.85	1.25	0.00	0.00	23.45	1.25	0.00	0.00
20.90	1.25	0.00	0.00	23.50	1.25	0.00	0.00
20.95	1.25	0.00	0.00	23.55	1.25	0.00	0.00
21.00	1.25	0.00	0.00	23.60	1.25	0.00	0.00
21.05	1.25	0.00	0.00	23.65	1.25	0.00	0.00
21.10	1.25	0.00	0.00	23.70	1.25	0.00	0.00
21.15	1.25	0.00	0.00	23.75	1.25	0.00	0.00
21.20	1.25	0.00	0.00	23.80	1.25	0.00	0.00
21.25	1.25	0.00	0.00	23.85	1.25	0.00	0.00
21.30	1.25	0.00	0.00	23.90	1.25	0.00	0.00
21.35	1.25	0.00	0.00	23.95	1.25	0.00	0.00
21.40	1.25	0.00	0.00	24.00	1.25	0.00	0.00
21.45	1.25	0.00	0.00	24.05	1.25	0.00	0.00
21.50	1.25	0.00	0.00	24.10	1.25	0.00	0.00
21.55	1.25	0.00	0.00	24.15	1.25	0.00	0.00
21.60	1.25	0.00	0.00	24.20	1.25	0.00	0.00
21.65	1.25	0.00	0.00	24.25	1.25	0.00	0.00
21.70	1.25	0.00	0.00	24.30	1.25	0.00	0.00
21.75	1.25	0.00	0.00	24.35	1.25	0.00	0.00
21.80	1.25	0.00	0.00	24.40	1.25	0.00	0.00
21.85	1.25	0.00	0.00	24.45	1.25	0.00	0.00
21.90	1.25	0.00	0.00	24.50	1.25	0.00	0.00
21.95	1.25	0.00	0.00	24.55	1.25	0.00	0.00
22.00	1.25	0.00	0.00	24.60	1.25	0.00	0.00
22.05	1.25	0.00	0.00	24.65	1.25	0.00	0.00
22.10	1.25	0.00	0.00	24.70	1.25	0.00	0.00
22.15	1.25	0.00	0.00	24.75	1.25	0.00	0.00
22.20	1.25	0.00	0.00	24.80	1.25	0.00	0.00
22.25	1.25	0.00	0.00	24.85	1.25	0.00	0.00
22.30	1.25	0.00	0.00	24.90	1.25	0.00	0.00
22.35	1.25	0.00	0.00	24.95	1.25	0.00	0.00
22.40	1.25	0.00	0.00	25.00	1.25	0.00	0.00
22.45	1.25	0.00	0.00	25.05	1.25	0.00	0.00
22.50	1.25	0.00	0.00	25.10	1.25	0.00	0.00
22.55	1.25	0.00	0.00	25.15	1.25	0.00	0.00
22.60	1.25	0.00	0.00	25.20	1.25	0.00	0.00
22.65	1.25	0.00	0.00	25.25	1.25	0.00	0.00
22.70	1.25	0.00	0.00	25.30	1.25	0.00	0.00
22.75	1.25	0.00	0.00	25.35	1.25	0.00	0.00
22.80	1.25	0.00	0.00	25.40	1.25	0.00	0.00
22.85	1.25	0.00	0.00	25.45	1.25	0.00	0.00
22.90	1.25	0.00	0.00	25.50	1.25	0.00	0.00
22.95	1.25	0.00	0.00	25.55	1.25	0.00	0.00
23.00	1.25	0.00	0.00	25.60	1.25	0.00	0.00
23.05	1.25	0.00	0.00	25.65	1.25	0.00	0.00
23.10	1.25	0.00	0.00	25.70	1.25	0.00	0.00
23.15	1.25	0.00	0.00	25.75	1.25	0.00	0.00
23.20	1.25	0.00	0.00	25.80	1.25	0.00	0.00
23.25	1.25	0.00	0.00	25.85	1.25	0.00	0.00
23.30	1.25	0.00	0.00	25.90	1.25	0.00	0.00
23.35	1.25	0.00	0.00	25.95	1.25	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.00	0.00	28.60	1.25	0.00	0.00
26.05	1.25	0.00	0.00	28.65	1.25	0.00	0.00
26.10	1.25	0.00	0.00	28.70	1.25	0.00	0.00
26.15	1.25	0.00	0.00	28.75	1.25	0.00	0.00
26.20	1.25	0.00	0.00	28.80	1.25	0.00	0.00
26.25	1.25	0.00	0.00	28.85	1.25	0.00	0.00
26.30	1.25	0.00	0.00	28.90	1.25	0.00	0.00
26.35	1.25	0.00	0.00	28.95	1.25	0.00	0.00
26.40	1.25	0.00	0.00	29.00	1.25	0.00	0.00
26.45	1.25	0.00	0.00	29.05	1.25	0.00	0.00
26.50	1.25	0.00	0.00	29.10	1.25	0.00	0.00
26.55	1.25	0.00	0.00	29.15	1.25	0.00	0.00
26.60	1.25	0.00	0.00	29.20	1.25	0.00	0.00
26.65	1.25	0.00	0.00	29.25	1.25	0.00	0.00
26.70	1.25	0.00	0.00	29.30	1.25	0.00	0.00
26.75	1.25	0.00	0.00	29.35	1.25	0.00	0.00
26.80	1.25	0.00	0.00	29.40	1.25	0.00	0.00
26.85	1.25	0.00	0.00	29.45	1.25	0.00	0.00
26.90	1.25	0.00	0.00	29.50	1.25	0.00	0.00
26.95	1.25	0.00	0.00	29.55	1.25	0.00	0.00
27.00	1.25	0.00	0.00	29.60	1.25	0.00	0.00
27.05	1.25	0.00	0.00	29.65	1.25	0.00	0.00
27.10	1.25	0.00	0.00	29.70	1.25	0.00	0.00
27.15	1.25	0.00	0.00	29.75	1.25	0.00	0.00
27.20	1.25	0.00	0.00	29.80	1.25	0.00	0.00
27.25	1.25	0.00	0.00	29.85	1.25	0.00	0.00
27.30	1.25	0.00	0.00	29.90	1.25	0.00	0.00
27.35	1.25	0.00	0.00	29.95	1.25	0.00	0.00
27.40	1.25	0.00	0.00	30.00	1.25	0.00	0.00
27.45	1.25	0.00	0.00	30.05	1.25	0.00	0.00
27.50	1.25	0.00	0.00	30.10	1.25	0.00	0.00
27.55	1.25	0.00	0.00	30.15	1.25	0.00	0.00
27.60	1.25	0.00	0.00	30.20	1.25	0.00	0.00
27.65	1.25	0.00	0.00	30.25	1.25	0.00	0.00
27.70	1.25	0.00	0.00	30.30	1.25	0.00	0.00
27.75	1.25	0.00	0.00	30.35	1.25	0.00	0.00
27.80	1.25	0.00	0.00	30.40	1.25	0.00	0.00
27.85	1.25	0.00	0.00	30.45	1.25	0.00	0.00
27.90	1.25	0.00	0.00	30.50	1.25	0.00	0.00
27.95	1.25	0.00	0.00	30.55	1.25	0.00	0.00
28.00	1.25	0.00	0.00	30.60	1.25	0.00	0.00
28.05	1.25	0.00	0.00	30.65	1.25	0.00	0.00
28.10	1.25	0.00	0.00	30.70	1.25	0.00	0.00
28.15	1.25	0.00	0.00	30.75	1.25	0.00	0.00
28.20	1.25	0.00	0.00	30.80	1.25	0.00	0.00
28.25	1.25	0.00	0.00	30.85	1.25	0.00	0.00
28.30	1.25	0.00	0.00	30.90	1.25	0.00	0.00
28.35	1.25	0.00	0.00	30.95	1.25	0.00	0.00
28.40	1.25	0.00	0.00	31.00	1.25	0.00	0.00
28.45	1.25	0.00	0.00	31.05	1.25	0.00	0.00
28.50	1.25	0.00	0.00	31.10	1.25	0.00	0.00
28.55	1.25	0.00	0.00	31.15	1.25	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.00	0.00	33.80	1.25	0.00	0.00
31.25	1.25	0.00	0.00	33.85	1.25	0.00	0.00
31.30	1.25	0.00	0.00	33.90	1.25	0.00	0.00
31.35	1.25	0.00	0.00	33.95	1.25	0.00	0.00
31.40	1.25	0.00	0.00	34.00	1.25	0.00	0.00
31.45	1.25	0.00	0.00	34.05	1.25	0.00	0.00
31.50	1.25	0.00	0.00	34.10	1.25	0.00	0.00
31.55	1.25	0.00	0.00	34.15	1.25	0.00	0.00
31.60	1.25	0.00	0.00	34.20	1.25	0.00	0.00
31.65	1.25	0.00	0.00	34.25	1.25	0.00	0.00
31.70	1.25	0.00	0.00	34.30	1.25	0.00	0.00
31.75	1.25	0.00	0.00	34.35	1.25	0.00	0.00
31.80	1.25	0.00	0.00	34.40	1.25	0.00	0.00
31.85	1.25	0.00	0.00	34.45	1.25	0.00	0.00
31.90	1.25	0.00	0.00	34.50	1.25	0.00	0.00
31.95	1.25	0.00	0.00	34.55	1.25	0.00	0.00
32.00	1.25	0.00	0.00	34.60	1.25	0.00	0.00
32.05	1.25	0.00	0.00	34.65	1.25	0.00	0.00
32.10	1.25	0.00	0.00	34.70	1.25	0.00	0.00
32.15	1.25	0.00	0.00	34.75	1.25	0.00	0.00
32.20	1.25	0.00	0.00	34.80	1.25	0.00	0.00
32.25	1.25	0.00	0.00	34.85	1.25	0.00	0.00
32.30	1.25	0.00	0.00	34.90	1.25	0.00	0.00
32.35	1.25	0.00	0.00	34.95	1.25	0.00	0.00
32.40	1.25	0.00	0.00	35.00	1.25	0.00	0.00
32.45	1.25	0.00	0.00	35.05	1.25	0.00	0.00
32.50	1.25	0.00	0.00	35.10	1.25	0.00	0.00
32.55	1.25	0.00	0.00	35.15	1.25	0.00	0.00
32.60	1.25	0.00	0.00	35.20	1.25	0.00	0.00
32.65	1.25	0.00	0.00	35.25	1.25	0.00	0.00
32.70	1.25	0.00	0.00	35.30	1.25	0.00	0.00
32.75	1.25	0.00	0.00	35.35	1.25	0.00	0.00
32.80	1.25	0.00	0.00	35.40	1.25	0.00	0.00
32.85	1.25	0.00	0.00	35.45	1.25	0.00	0.00
32.90	1.25	0.00	0.00	35.50	1.25	0.00	0.00
32.95	1.25	0.00	0.00	35.55	1.25	0.00	0.00
33.00	1.25	0.00	0.00	35.60	1.25	0.00	0.00
33.05	1.25	0.00	0.00	35.65	1.25	0.00	0.00
33.10	1.25	0.00	0.00	35.70	1.25	0.00	0.00
33.15	1.25	0.00	0.00	35.75	1.25	0.00	0.00
33.20	1.25	0.00	0.00	35.80	1.25	0.00	0.00
33.25	1.25	0.00	0.00	35.85	1.25	0.00	0.00
33.30	1.25	0.00	0.00	35.90	1.25	0.00	0.00
33.35	1.25	0.00	0.00	35.95	1.25	0.00	0.00
33.40	1.25	0.00	0.00	36.00	1.25	0.00	0.00
33.45	1.25	0.00	0.00	36.05	1.25	0.00	0.00
33.50	1.25	0.00	0.00	36.10	1.25	0.00	0.00
33.55	1.25	0.00	0.00	36.15	1.25	0.00	0.00
33.60	1.25	0.00	0.00	36.20	1.25	0.00	0.00
33.65	1.25	0.00	0.00	36.25	1.25	0.00	0.00
33.70	1.25	0.00	0.00	36.30	1.25	0.00	0.00
33.75	1.25	0.00	0.00	36.35	1.25	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.00	0.00
36.45	1.25	0.00	0.00
36.50	1.25	0.00	0.00
36.55	1.25	0.00	0.00
36.60	1.25	0.00	0.00
36.65	1.25	0.00	0.00
36.70	1.25	0.00	0.00
36.75	1.25	0.00	0.00
36.80	1.25	0.00	0.00
36.85	1.25	0.00	0.00
36.90	1.25	0.00	0.00
36.95	1.25	0.00	0.00
37.00	1.25	0.00	0.00
37.05	1.25	0.00	0.00
37.10	1.25	0.00	0.00
37.15	1.25	0.00	0.00
37.20	1.25	0.00	0.00
37.25	1.25	0.00	0.00
37.30	1.25	0.00	0.00
37.35	1.25	0.00	0.00
37.40	1.25	0.00	0.00
37.45	1.25	0.00	0.00
37.50	1.25	0.00	0.00
37.55	1.25	0.00	0.00
37.60	1.25	0.00	0.00
37.65	1.25	0.00	0.00
37.70	1.25	0.00	0.00
37.75	1.25	0.00	0.00
37.80	1.25	0.00	0.00
37.85	1.25	0.00	0.00
37.90	1.25	0.00	0.00
37.95	1.25	0.00	0.00
38.00	1.25	0.00	0.00
38.05	1.25	0.00	0.00
38.10	1.25	0.00	0.00
38.15	1.25	0.00	0.00
38.20	1.25	0.00	0.00
38.25	1.25	0.00	0.00
38.30	1.25	0.00	0.00
38.35	1.25	0.00	0.00
38.40	1.25	0.00	0.00
38.45	1.25	0.00	0.00
38.50	1.25	0.00	0.00
38.55	1.25	0.00	0.00
38.60	1.25	0.00	0.00
38.65	1.25	0.00	0.00
38.70	1.25	0.00	0.00
38.75	1.25	0.00	0.00
38.80	1.25	0.00	0.00
38.85	1.25	0.00	0.00
38.90	1.25	0.00	0.00
38.95	1.25	0.00	0.00
39.00	1.25	0.00	0.00
39.05	1.25	0.00	0.00
39.10	1.25	0.00	0.00
39.15	1.25	0.00	0.00
39.20	1.25	0.00	0.00
39.25	1.25	0.00	0.00
39.30	1.25	0.00	0.00
39.35	1.25	0.00	0.00
39.40	1.25	0.00	0.00
39.45	1.25	0.00	0.00
39.50	1.25	0.00	0.00
39.55	1.25	0.00	0.00
39.60	1.25	0.00	0.00
39.65	1.25	0.00	0.00
39.70	1.25	0.00	0.00
39.75	1.25	0.00	0.00
39.80	1.25	0.00	0.00
39.85	1.25	0.00	0.00
39.90	1.25	0.00	0.00
39.95	1.25	0.00	0.00
40.00	1.25	0.00	0.00

Summary for Subcatchment 51P: PDA-51 (pervious)

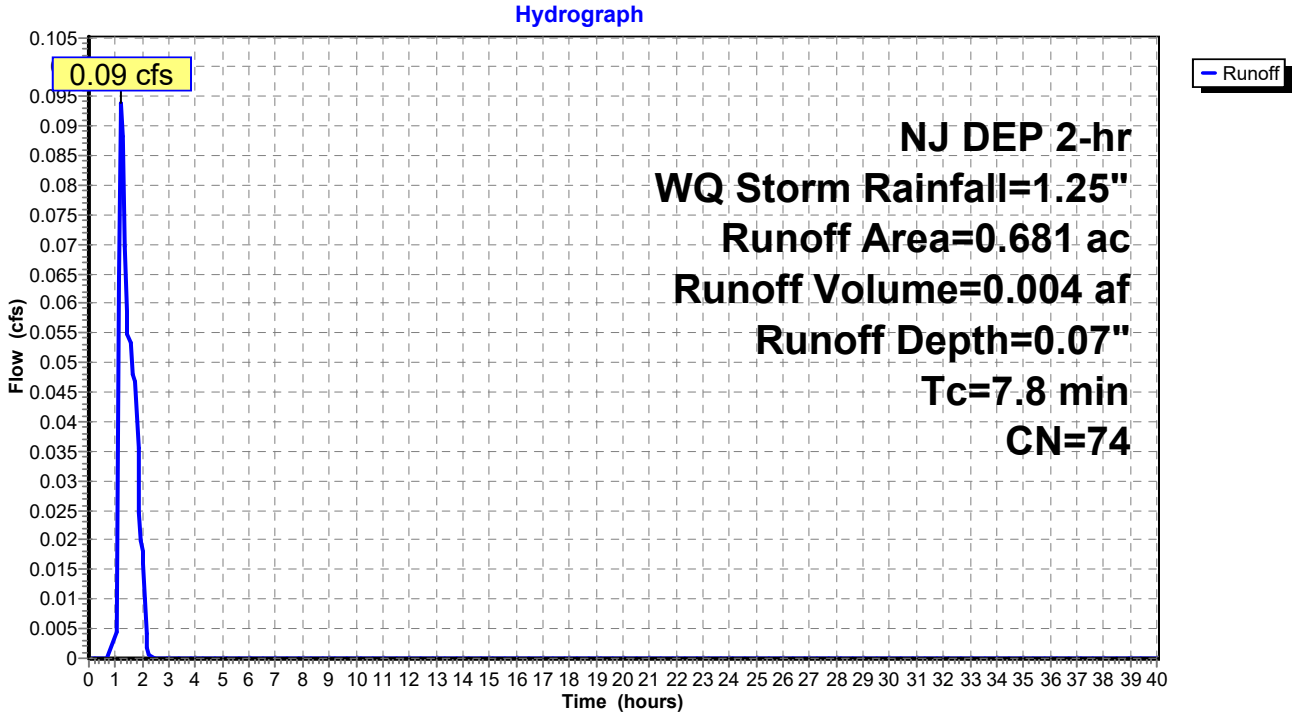
Runoff = 0.09 cfs @ 1.23 hrs, Volume= 0.004 af, Depth= 0.07"
Routed to Pond B-51 : Basin #51

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
0.681	74	>75% Grass cover, Good, HSG C
0.681		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
7.8					**Direct Entry,**

Subcatchment 51P: PDA-51 (pervious)



Hydrograph for Subcatchment 51P: PDA-51 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.07	0.00
1.10	0.91	0.01	0.02	3.70	1.25	0.07	0.00
1.15	0.97	0.02	0.06	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.09	3.80	1.25	0.07	0.00
1.25	1.05	0.03	**0.09**	3.85	1.25	0.07	0.00
1.30	1.07	0.03	0.08	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.07	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.06	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.05	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.05	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.05	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.05	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.05	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.05	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.05	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.05	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.04	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.02	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.02	4.55	1.25	0.07	0.00
2.00	**1.25**	**0.07**	0.02	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.02	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.01	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.00	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.00	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.00	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.00	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00
36.45	1.25	0.07	0.00
36.50	1.25	0.07	0.00
36.55	1.25	0.07	0.00
36.60	1.25	0.07	0.00
36.65	1.25	0.07	0.00
36.70	1.25	0.07	0.00
36.75	1.25	0.07	0.00
36.80	1.25	0.07	0.00
36.85	1.25	0.07	0.00
36.90	1.25	0.07	0.00
36.95	1.25	0.07	0.00
37.00	1.25	0.07	0.00
37.05	1.25	0.07	0.00
37.10	1.25	0.07	0.00
37.15	1.25	0.07	0.00
37.20	1.25	0.07	0.00
37.25	1.25	0.07	0.00
37.30	1.25	0.07	0.00
37.35	1.25	0.07	0.00
37.40	1.25	0.07	0.00
37.45	1.25	0.07	0.00
37.50	1.25	0.07	0.00
37.55	1.25	0.07	0.00
37.60	1.25	0.07	0.00
37.65	1.25	0.07	0.00
37.70	1.25	0.07	0.00
37.75	1.25	0.07	0.00
37.80	1.25	0.07	0.00
37.85	1.25	0.07	0.00
37.90	1.25	0.07	0.00
37.95	1.25	0.07	0.00
38.00	1.25	0.07	0.00
38.05	1.25	0.07	0.00
38.10	1.25	0.07	0.00
38.15	1.25	0.07	0.00
38.20	1.25	0.07	0.00
38.25	1.25	0.07	0.00
38.30	1.25	0.07	0.00
38.35	1.25	0.07	0.00
38.40	1.25	0.07	0.00
38.45	1.25	0.07	0.00
38.50	1.25	0.07	0.00
38.55	1.25	0.07	0.00
38.60	1.25	0.07	0.00
38.65	1.25	0.07	0.00
38.70	1.25	0.07	0.00
38.75	1.25	0.07	0.00
38.80	1.25	0.07	0.00
38.85	1.25	0.07	0.00
38.90	1.25	0.07	0.00
38.95	1.25	0.07	0.00
39.00	1.25	0.07	0.00
39.05	1.25	0.07	0.00
39.10	1.25	0.07	0.00
39.15	1.25	0.07	0.00
39.20	1.25	0.07	0.00
39.25	1.25	0.07	0.00
39.30	1.25	0.07	0.00
39.35	1.25	0.07	0.00
39.40	1.25	0.07	0.00
39.45	1.25	0.07	0.00
39.50	1.25	0.07	0.00
39.55	1.25	0.07	0.00
39.60	1.25	0.07	0.00
39.65	1.25	0.07	0.00
39.70	1.25	0.07	0.00
39.75	1.25	0.07	0.00
39.80	1.25	0.07	0.00
39.85	1.25	0.07	0.00
39.90	1.25	0.07	0.00
39.95	1.25	0.07	0.00
40.00	1.25	0.07	0.00

Summary for Subcatchment 52l: PDA-52 (impervious)

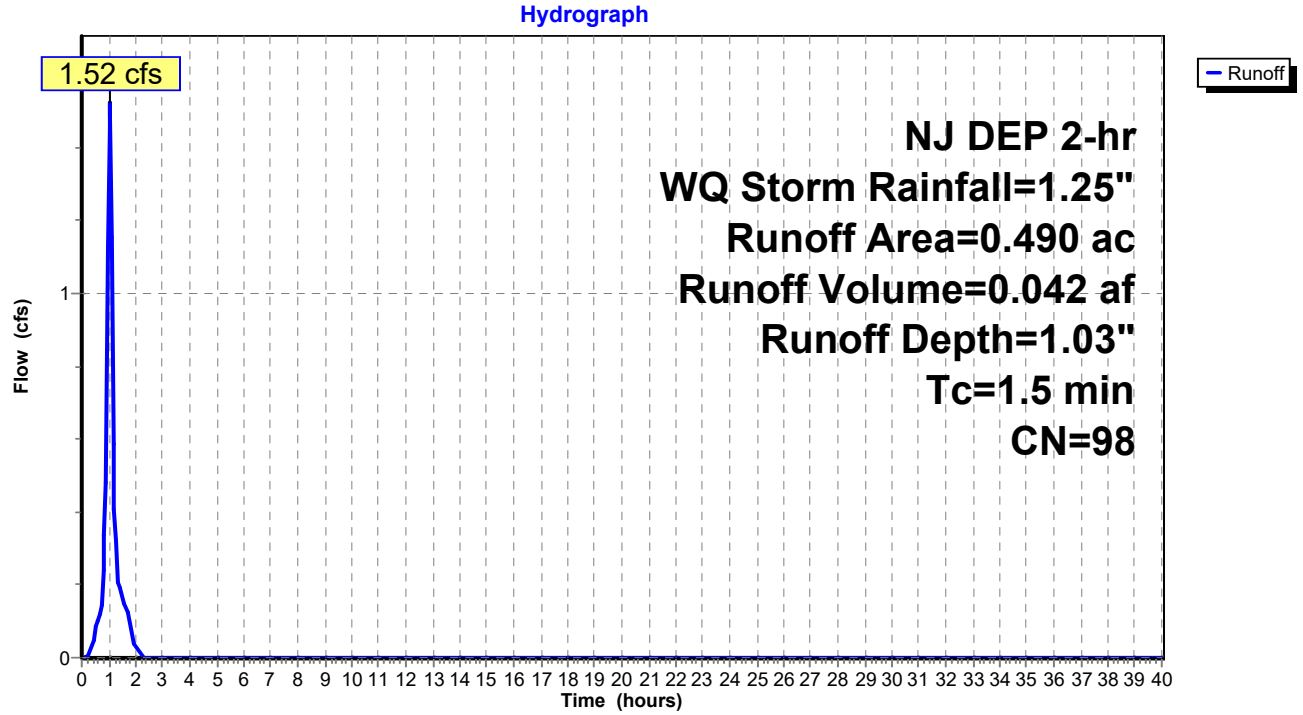
Runoff = 1.52 cfs @ 1.03 hrs, Volume= 0.042 af, Depth= 1.03"
Routed to Pond B-52 : Basin #52

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

	Area (ac)	CN	Description
*	0.118	98	Pavement, HSG C
*	0.339	98	Roof, HSG C
*	0.033	98	Concrete, HSG C
	0.490	98	Weighted Average
	0.490		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.5					**Direct Entry,**

Subcatchment 52l: PDA-52 (impervious)



Hydrograph for Subcatchment 52I: PDA-52 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	1.03	0.00
0.05	0.00	0.00	0.00	2.65	1.25	1.03	0.00
0.10	0.01	0.00	0.00	2.70	1.25	1.03	0.00
0.15	0.01	0.00	0.00	2.75	1.25	1.03	0.00
0.20	0.02	0.00	0.00	2.80	1.25	1.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	1.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	1.03	0.00
0.35	0.06	0.00	0.01	2.95	1.25	1.03	0.00
0.40	0.07	0.00	0.03	3.00	1.25	1.03	0.00
0.45	0.09	0.01	0.04	3.05	1.25	1.03	0.00
0.50	0.10	0.01	0.06	3.10	1.25	1.03	0.00
0.55	0.12	0.02	0.09	3.15	1.25	1.03	0.00
0.60	0.14	0.03	0.10	3.20	1.25	1.03	0.00
0.65	0.16	0.04	0.11	3.25	1.25	1.03	0.00
0.70	0.18	0.06	0.12	3.30	1.25	1.03	0.00
0.75	0.20	0.07	0.14	3.35	1.25	1.03	0.00
0.80	0.23	0.09	0.24	3.40	1.25	1.03	0.00
0.85	0.28	0.13	0.34	3.45	1.25	1.03	0.00
0.90	0.34	0.18	0.48	3.50	1.25	1.03	0.00
0.95	0.46	0.29	1.12	3.55	1.25	1.03	0.00
1.00	0.63	0.43	1.45	3.60	1.25	1.03	0.00
1.05	0.79	0.58	**1.49**	3.65	1.25	1.03	0.00
1.10	0.91	0.71	1.15	3.70	1.25	1.03	0.00
1.15	0.97	0.76	0.58	3.75	1.25	1.03	0.00
1.20	1.02	0.81	0.41	3.80	1.25	1.03	0.00
1.25	1.05	0.84	0.32	3.85	1.25	1.03	0.00
1.30	1.07	0.86	0.21	3.90	1.25	1.03	0.00
1.35	1.09	0.88	0.19	3.95	1.25	1.03	0.00
1.40	1.11	0.90	0.19	4.00	1.25	1.03	0.00
1.45	1.13	0.92	0.19	4.05	1.25	1.03	0.00
1.50	1.15	0.94	0.19	4.10	1.25	1.03	0.00
1.55	1.17	0.95	0.15	4.15	1.25	1.03	0.00
1.60	1.18	0.97	0.14	4.20	1.25	1.03	0.00
1.65	1.20	0.98	0.14	4.25	1.25	1.03	0.00
1.70	1.21	1.00	0.14	4.30	1.25	1.03	0.00
1.75	1.23	1.01	0.13	4.35	1.25	1.03	0.00
1.80	1.23	1.02	0.06	4.40	1.25	1.03	0.00
1.85	1.24	1.02	0.05	4.45	1.25	1.03	0.00
1.90	1.24	1.02	0.05	4.50	1.25	1.03	0.00
1.95	1.25	1.03	0.05	4.55	1.25	1.03	0.00
2.00	**1.25**	**1.03**	0.04	4.60	1.25	1.03	0.00
2.05	1.25	1.03	0.00	4.65	1.25	1.03	0.00
2.10	1.25	1.03	0.00	4.70	1.25	1.03	0.00
2.15	1.25	1.03	0.00	4.75	1.25	1.03	0.00
2.20	1.25	1.03	0.00	4.80	1.25	1.03	0.00
2.25	1.25	1.03	0.00	4.85	1.25	1.03	0.00
2.30	1.25	1.03	0.00	4.90	1.25	1.03	0.00
2.35	1.25	1.03	0.00	4.95	1.25	1.03	0.00
2.40	1.25	1.03	0.00	5.00	1.25	1.03	0.00
2.45	1.25	1.03	0.00	5.05	1.25	1.03	0.00
2.50	1.25	1.03	0.00	5.10	1.25	1.03	0.00
2.55	1.25	1.03	0.00	5.15	1.25	1.03	0.00

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	1.03	0.00	7.80	1.25	1.03	0.00
5.25	1.25	1.03	0.00	7.85	1.25	1.03	0.00
5.30	1.25	1.03	0.00	7.90	1.25	1.03	0.00
5.35	1.25	1.03	0.00	7.95	1.25	1.03	0.00
5.40	1.25	1.03	0.00	8.00	1.25	1.03	0.00
5.45	1.25	1.03	0.00	8.05	1.25	1.03	0.00
5.50	1.25	1.03	0.00	8.10	1.25	1.03	0.00
5.55	1.25	1.03	0.00	8.15	1.25	1.03	0.00
5.60	1.25	1.03	0.00	8.20	1.25	1.03	0.00
5.65	1.25	1.03	0.00	8.25	1.25	1.03	0.00
5.70	1.25	1.03	0.00	8.30	1.25	1.03	0.00
5.75	1.25	1.03	0.00	8.35	1.25	1.03	0.00
5.80	1.25	1.03	0.00	8.40	1.25	1.03	0.00
5.85	1.25	1.03	0.00	8.45	1.25	1.03	0.00
5.90	1.25	1.03	0.00	8.50	1.25	1.03	0.00
5.95	1.25	1.03	0.00	8.55	1.25	1.03	0.00
6.00	1.25	1.03	0.00	8.60	1.25	1.03	0.00
6.05	1.25	1.03	0.00	8.65	1.25	1.03	0.00
6.10	1.25	1.03	0.00	8.70	1.25	1.03	0.00
6.15	1.25	1.03	0.00	8.75	1.25	1.03	0.00
6.20	1.25	1.03	0.00	8.80	1.25	1.03	0.00
6.25	1.25	1.03	0.00	8.85	1.25	1.03	0.00
6.30	1.25	1.03	0.00	8.90	1.25	1.03	0.00
6.35	1.25	1.03	0.00	8.95	1.25	1.03	0.00
6.40	1.25	1.03	0.00	9.00	1.25	1.03	0.00
6.45	1.25	1.03	0.00	9.05	1.25	1.03	0.00
6.50	1.25	1.03	0.00	9.10	1.25	1.03	0.00
6.55	1.25	1.03	0.00	9.15	1.25	1.03	0.00
6.60	1.25	1.03	0.00	9.20	1.25	1.03	0.00
6.65	1.25	1.03	0.00	9.25	1.25	1.03	0.00
6.70	1.25	1.03	0.00	9.30	1.25	1.03	0.00
6.75	1.25	1.03	0.00	9.35	1.25	1.03	0.00
6.80	1.25	1.03	0.00	9.40	1.25	1.03	0.00
6.85	1.25	1.03	0.00	9.45	1.25	1.03	0.00
6.90	1.25	1.03	0.00	9.50	1.25	1.03	0.00
6.95	1.25	1.03	0.00	9.55	1.25	1.03	0.00
7.00	1.25	1.03	0.00	9.60	1.25	1.03	0.00
7.05	1.25	1.03	0.00	9.65	1.25	1.03	0.00
7.10	1.25	1.03	0.00	9.70	1.25	1.03	0.00
7.15	1.25	1.03	0.00	9.75	1.25	1.03	0.00
7.20	1.25	1.03	0.00	9.80	1.25	1.03	0.00
7.25	1.25	1.03	0.00	9.85	1.25	1.03	0.00
7.30	1.25	1.03	0.00	9.90	1.25	1.03	0.00
7.35	1.25	1.03	0.00	9.95	1.25	1.03	0.00
7.40	1.25	1.03	0.00	10.00	1.25	1.03	0.00
7.45	1.25	1.03	0.00	10.05	1.25	1.03	0.00
7.50	1.25	1.03	0.00	10.10	1.25	1.03	0.00
7.55	1.25	1.03	0.00	10.15	1.25	1.03	0.00
7.60	1.25	1.03	0.00	10.20	1.25	1.03	0.00
7.65	1.25	1.03	0.00	10.25	1.25	1.03	0.00
7.70	1.25	1.03	0.00	10.30	1.25	1.03	0.00
7.75	1.25	1.03	0.00	10.35	1.25	1.03	0.00

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	1.03	0.00	13.00	1.25	1.03	0.00
10.45	1.25	1.03	0.00	13.05	1.25	1.03	0.00
10.50	1.25	1.03	0.00	13.10	1.25	1.03	0.00
10.55	1.25	1.03	0.00	13.15	1.25	1.03	0.00
10.60	1.25	1.03	0.00	13.20	1.25	1.03	0.00
10.65	1.25	1.03	0.00	13.25	1.25	1.03	0.00
10.70	1.25	1.03	0.00	13.30	1.25	1.03	0.00
10.75	1.25	1.03	0.00	13.35	1.25	1.03	0.00
10.80	1.25	1.03	0.00	13.40	1.25	1.03	0.00
10.85	1.25	1.03	0.00	13.45	1.25	1.03	0.00
10.90	1.25	1.03	0.00	13.50	1.25	1.03	0.00
10.95	1.25	1.03	0.00	13.55	1.25	1.03	0.00
11.00	1.25	1.03	0.00	13.60	1.25	1.03	0.00
11.05	1.25	1.03	0.00	13.65	1.25	1.03	0.00
11.10	1.25	1.03	0.00	13.70	1.25	1.03	0.00
11.15	1.25	1.03	0.00	13.75	1.25	1.03	0.00
11.20	1.25	1.03	0.00	13.80	1.25	1.03	0.00
11.25	1.25	1.03	0.00	13.85	1.25	1.03	0.00
11.30	1.25	1.03	0.00	13.90	1.25	1.03	0.00
11.35	1.25	1.03	0.00	13.95	1.25	1.03	0.00
11.40	1.25	1.03	0.00	14.00	1.25	1.03	0.00
11.45	1.25	1.03	0.00	14.05	1.25	1.03	0.00
11.50	1.25	1.03	0.00	14.10	1.25	1.03	0.00
11.55	1.25	1.03	0.00	14.15	1.25	1.03	0.00
11.60	1.25	1.03	0.00	14.20	1.25	1.03	0.00
11.65	1.25	1.03	0.00	14.25	1.25	1.03	0.00
11.70	1.25	1.03	0.00	14.30	1.25	1.03	0.00
11.75	1.25	1.03	0.00	14.35	1.25	1.03	0.00
11.80	1.25	1.03	0.00	14.40	1.25	1.03	0.00
11.85	1.25	1.03	0.00	14.45	1.25	1.03	0.00
11.90	1.25	1.03	0.00	14.50	1.25	1.03	0.00
11.95	1.25	1.03	0.00	14.55	1.25	1.03	0.00
12.00	1.25	1.03	0.00	14.60	1.25	1.03	0.00
12.05	1.25	1.03	0.00	14.65	1.25	1.03	0.00
12.10	1.25	1.03	0.00	14.70	1.25	1.03	0.00
12.15	1.25	1.03	0.00	14.75	1.25	1.03	0.00
12.20	1.25	1.03	0.00	14.80	1.25	1.03	0.00
12.25	1.25	1.03	0.00	14.85	1.25	1.03	0.00
12.30	1.25	1.03	0.00	14.90	1.25	1.03	0.00
12.35	1.25	1.03	0.00	14.95	1.25	1.03	0.00
12.40	1.25	1.03	0.00	15.00	1.25	1.03	0.00
12.45	1.25	1.03	0.00	15.05	1.25	1.03	0.00
12.50	1.25	1.03	0.00	15.10	1.25	1.03	0.00
12.55	1.25	1.03	0.00	15.15	1.25	1.03	0.00
12.60	1.25	1.03	0.00	15.20	1.25	1.03	0.00
12.65	1.25	1.03	0.00	15.25	1.25	1.03	0.00
12.70	1.25	1.03	0.00	15.30	1.25	1.03	0.00
12.75	1.25	1.03	0.00	15.35	1.25	1.03	0.00
12.80	1.25	1.03	0.00	15.40	1.25	1.03	0.00
12.85	1.25	1.03	0.00	15.45	1.25	1.03	0.00
12.90	1.25	1.03	0.00	15.50	1.25	1.03	0.00
12.95	1.25	1.03	0.00	15.55	1.25	1.03	0.00

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	1.03	0.00	18.20	1.25	1.03	0.00
15.65	1.25	1.03	0.00	18.25	1.25	1.03	0.00
15.70	1.25	1.03	0.00	18.30	1.25	1.03	0.00
15.75	1.25	1.03	0.00	18.35	1.25	1.03	0.00
15.80	1.25	1.03	0.00	18.40	1.25	1.03	0.00
15.85	1.25	1.03	0.00	18.45	1.25	1.03	0.00
15.90	1.25	1.03	0.00	18.50	1.25	1.03	0.00
15.95	1.25	1.03	0.00	18.55	1.25	1.03	0.00
16.00	1.25	1.03	0.00	18.60	1.25	1.03	0.00
16.05	1.25	1.03	0.00	18.65	1.25	1.03	0.00
16.10	1.25	1.03	0.00	18.70	1.25	1.03	0.00
16.15	1.25	1.03	0.00	18.75	1.25	1.03	0.00
16.20	1.25	1.03	0.00	18.80	1.25	1.03	0.00
16.25	1.25	1.03	0.00	18.85	1.25	1.03	0.00
16.30	1.25	1.03	0.00	18.90	1.25	1.03	0.00
16.35	1.25	1.03	0.00	18.95	1.25	1.03	0.00
16.40	1.25	1.03	0.00	19.00	1.25	1.03	0.00
16.45	1.25	1.03	0.00	19.05	1.25	1.03	0.00
16.50	1.25	1.03	0.00	19.10	1.25	1.03	0.00
16.55	1.25	1.03	0.00	19.15	1.25	1.03	0.00
16.60	1.25	1.03	0.00	19.20	1.25	1.03	0.00
16.65	1.25	1.03	0.00	19.25	1.25	1.03	0.00
16.70	1.25	1.03	0.00	19.30	1.25	1.03	0.00
16.75	1.25	1.03	0.00	19.35	1.25	1.03	0.00
16.80	1.25	1.03	0.00	19.40	1.25	1.03	0.00
16.85	1.25	1.03	0.00	19.45	1.25	1.03	0.00
16.90	1.25	1.03	0.00	19.50	1.25	1.03	0.00
16.95	1.25	1.03	0.00	19.55	1.25	1.03	0.00
17.00	1.25	1.03	0.00	19.60	1.25	1.03	0.00
17.05	1.25	1.03	0.00	19.65	1.25	1.03	0.00
17.10	1.25	1.03	0.00	19.70	1.25	1.03	0.00
17.15	1.25	1.03	0.00	19.75	1.25	1.03	0.00
17.20	1.25	1.03	0.00	19.80	1.25	1.03	0.00
17.25	1.25	1.03	0.00	19.85	1.25	1.03	0.00
17.30	1.25	1.03	0.00	19.90	1.25	1.03	0.00
17.35	1.25	1.03	0.00	19.95	1.25	1.03	0.00
17.40	1.25	1.03	0.00	20.00	1.25	1.03	0.00
17.45	1.25	1.03	0.00	20.05	1.25	1.03	0.00
17.50	1.25	1.03	0.00	20.10	1.25	1.03	0.00
17.55	1.25	1.03	0.00	20.15	1.25	1.03	0.00
17.60	1.25	1.03	0.00	20.20	1.25	1.03	0.00
17.65	1.25	1.03	0.00	20.25	1.25	1.03	0.00
17.70	1.25	1.03	0.00	20.30	1.25	1.03	0.00
17.75	1.25	1.03	0.00	20.35	1.25	1.03	0.00
17.80	1.25	1.03	0.00	20.40	1.25	1.03	0.00
17.85	1.25	1.03	0.00	20.45	1.25	1.03	0.00
17.90	1.25	1.03	0.00	20.50	1.25	1.03	0.00
17.95	1.25	1.03	0.00	20.55	1.25	1.03	0.00
18.00	1.25	1.03	0.00	20.60	1.25	1.03	0.00
18.05	1.25	1.03	0.00	20.65	1.25	1.03	0.00
18.10	1.25	1.03	0.00	20.70	1.25	1.03	0.00
18.15	1.25	1.03	0.00	20.75	1.25	1.03	0.00

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	1.03	0.00	23.40	1.25	1.03	0.00
20.85	1.25	1.03	0.00	23.45	1.25	1.03	0.00
20.90	1.25	1.03	0.00	23.50	1.25	1.03	0.00
20.95	1.25	1.03	0.00	23.55	1.25	1.03	0.00
21.00	1.25	1.03	0.00	23.60	1.25	1.03	0.00
21.05	1.25	1.03	0.00	23.65	1.25	1.03	0.00
21.10	1.25	1.03	0.00	23.70	1.25	1.03	0.00
21.15	1.25	1.03	0.00	23.75	1.25	1.03	0.00
21.20	1.25	1.03	0.00	23.80	1.25	1.03	0.00
21.25	1.25	1.03	0.00	23.85	1.25	1.03	0.00
21.30	1.25	1.03	0.00	23.90	1.25	1.03	0.00
21.35	1.25	1.03	0.00	23.95	1.25	1.03	0.00
21.40	1.25	1.03	0.00	24.00	1.25	1.03	0.00
21.45	1.25	1.03	0.00	24.05	1.25	1.03	0.00
21.50	1.25	1.03	0.00	24.10	1.25	1.03	0.00
21.55	1.25	1.03	0.00	24.15	1.25	1.03	0.00
21.60	1.25	1.03	0.00	24.20	1.25	1.03	0.00
21.65	1.25	1.03	0.00	24.25	1.25	1.03	0.00
21.70	1.25	1.03	0.00	24.30	1.25	1.03	0.00
21.75	1.25	1.03	0.00	24.35	1.25	1.03	0.00
21.80	1.25	1.03	0.00	24.40	1.25	1.03	0.00
21.85	1.25	1.03	0.00	24.45	1.25	1.03	0.00
21.90	1.25	1.03	0.00	24.50	1.25	1.03	0.00
21.95	1.25	1.03	0.00	24.55	1.25	1.03	0.00
22.00	1.25	1.03	0.00	24.60	1.25	1.03	0.00
22.05	1.25	1.03	0.00	24.65	1.25	1.03	0.00
22.10	1.25	1.03	0.00	24.70	1.25	1.03	0.00
22.15	1.25	1.03	0.00	24.75	1.25	1.03	0.00
22.20	1.25	1.03	0.00	24.80	1.25	1.03	0.00
22.25	1.25	1.03	0.00	24.85	1.25	1.03	0.00
22.30	1.25	1.03	0.00	24.90	1.25	1.03	0.00
22.35	1.25	1.03	0.00	24.95	1.25	1.03	0.00
22.40	1.25	1.03	0.00	25.00	1.25	1.03	0.00
22.45	1.25	1.03	0.00	25.05	1.25	1.03	0.00
22.50	1.25	1.03	0.00	25.10	1.25	1.03	0.00
22.55	1.25	1.03	0.00	25.15	1.25	1.03	0.00
22.60	1.25	1.03	0.00	25.20	1.25	1.03	0.00
22.65	1.25	1.03	0.00	25.25	1.25	1.03	0.00
22.70	1.25	1.03	0.00	25.30	1.25	1.03	0.00
22.75	1.25	1.03	0.00	25.35	1.25	1.03	0.00
22.80	1.25	1.03	0.00	25.40	1.25	1.03	0.00
22.85	1.25	1.03	0.00	25.45	1.25	1.03	0.00
22.90	1.25	1.03	0.00	25.50	1.25	1.03	0.00
22.95	1.25	1.03	0.00	25.55	1.25	1.03	0.00
23.00	1.25	1.03	0.00	25.60	1.25	1.03	0.00
23.05	1.25	1.03	0.00	25.65	1.25	1.03	0.00
23.10	1.25	1.03	0.00	25.70	1.25	1.03	0.00
23.15	1.25	1.03	0.00	25.75	1.25	1.03	0.00
23.20	1.25	1.03	0.00	25.80	1.25	1.03	0.00
23.25	1.25	1.03	0.00	25.85	1.25	1.03	0.00
23.30	1.25	1.03	0.00	25.90	1.25	1.03	0.00
23.35	1.25	1.03	0.00	25.95	1.25	1.03	0.00

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00	30.05	1.25	1.03	0.00
27.50	1.25	1.03	0.00	30.10	1.25	1.03	0.00
27.55	1.25	1.03	0.00	30.15	1.25	1.03	0.00
27.60	1.25	1.03	0.00	30.20	1.25	1.03	0.00
27.65	1.25	1.03	0.00	30.25	1.25	1.03	0.00
27.70	1.25	1.03	0.00	30.30	1.25	1.03	0.00
27.75	1.25	1.03	0.00	30.35	1.25	1.03	0.00
27.80	1.25	1.03	0.00	30.40	1.25	1.03	0.00
27.85	1.25	1.03	0.00	30.45	1.25	1.03	0.00
27.90	1.25	1.03	0.00	30.50	1.25	1.03	0.00
27.95	1.25	1.03	0.00	30.55	1.25	1.03	0.00
28.00	1.25	1.03	0.00	30.60	1.25	1.03	0.00
28.05	1.25	1.03	0.00	30.65	1.25	1.03	0.00
28.10	1.25	1.03	0.00	30.70	1.25	1.03	0.00
28.15	1.25	1.03	0.00	30.75	1.25	1.03	0.00
28.20	1.25	1.03	0.00	30.80	1.25	1.03	0.00
28.25	1.25	1.03	0.00	30.85	1.25	1.03	0.00
28.30	1.25	1.03	0.00	30.90	1.25	1.03	0.00
28.35	1.25	1.03	0.00	30.95	1.25	1.03	0.00
28.40	1.25	1.03	0.00	31.00	1.25	1.03	0.00
28.45	1.25	1.03	0.00	31.05	1.25	1.03	0.00
28.50	1.25	1.03	0.00	31.10	1.25	1.03	0.00
28.55	1.25	1.03	0.00	31.15	1.25	1.03	0.00

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	1.03	0.00	33.80	1.25	1.03	0.00
31.25	1.25	1.03	0.00	33.85	1.25	1.03	0.00
31.30	1.25	1.03	0.00	33.90	1.25	1.03	0.00
31.35	1.25	1.03	0.00	33.95	1.25	1.03	0.00
31.40	1.25	1.03	0.00	34.00	1.25	1.03	0.00
31.45	1.25	1.03	0.00	34.05	1.25	1.03	0.00
31.50	1.25	1.03	0.00	34.10	1.25	1.03	0.00
31.55	1.25	1.03	0.00	34.15	1.25	1.03	0.00
31.60	1.25	1.03	0.00	34.20	1.25	1.03	0.00
31.65	1.25	1.03	0.00	34.25	1.25	1.03	0.00
31.70	1.25	1.03	0.00	34.30	1.25	1.03	0.00
31.75	1.25	1.03	0.00	34.35	1.25	1.03	0.00
31.80	1.25	1.03	0.00	34.40	1.25	1.03	0.00
31.85	1.25	1.03	0.00	34.45	1.25	1.03	0.00
31.90	1.25	1.03	0.00	34.50	1.25	1.03	0.00
31.95	1.25	1.03	0.00	34.55	1.25	1.03	0.00
32.00	1.25	1.03	0.00	34.60	1.25	1.03	0.00
32.05	1.25	1.03	0.00	34.65	1.25	1.03	0.00
32.10	1.25	1.03	0.00	34.70	1.25	1.03	0.00
32.15	1.25	1.03	0.00	34.75	1.25	1.03	0.00
32.20	1.25	1.03	0.00	34.80	1.25	1.03	0.00
32.25	1.25	1.03	0.00	34.85	1.25	1.03	0.00
32.30	1.25	1.03	0.00	34.90	1.25	1.03	0.00
32.35	1.25	1.03	0.00	34.95	1.25	1.03	0.00
32.40	1.25	1.03	0.00	35.00	1.25	1.03	0.00
32.45	1.25	1.03	0.00	35.05	1.25	1.03	0.00
32.50	1.25	1.03	0.00	35.10	1.25	1.03	0.00
32.55	1.25	1.03	0.00	35.15	1.25	1.03	0.00
32.60	1.25	1.03	0.00	35.20	1.25	1.03	0.00
32.65	1.25	1.03	0.00	35.25	1.25	1.03	0.00
32.70	1.25	1.03	0.00	35.30	1.25	1.03	0.00
32.75	1.25	1.03	0.00	35.35	1.25	1.03	0.00
32.80	1.25	1.03	0.00	35.40	1.25	1.03	0.00
32.85	1.25	1.03	0.00	35.45	1.25	1.03	0.00
32.90	1.25	1.03	0.00	35.50	1.25	1.03	0.00
32.95	1.25	1.03	0.00	35.55	1.25	1.03	0.00
33.00	1.25	1.03	0.00	35.60	1.25	1.03	0.00
33.05	1.25	1.03	0.00	35.65	1.25	1.03	0.00
33.10	1.25	1.03	0.00	35.70	1.25	1.03	0.00
33.15	1.25	1.03	0.00	35.75	1.25	1.03	0.00
33.20	1.25	1.03	0.00	35.80	1.25	1.03	0.00
33.25	1.25	1.03	0.00	35.85	1.25	1.03	0.00
33.30	1.25	1.03	0.00	35.90	1.25	1.03	0.00
33.35	1.25	1.03	0.00	35.95	1.25	1.03	0.00
33.40	1.25	1.03	0.00	36.00	1.25	1.03	0.00
33.45	1.25	1.03	0.00	36.05	1.25	1.03	0.00
33.50	1.25	1.03	0.00	36.10	1.25	1.03	0.00
33.55	1.25	1.03	0.00	36.15	1.25	1.03	0.00
33.60	1.25	1.03	0.00	36.20	1.25	1.03	0.00
33.65	1.25	1.03	0.00	36.25	1.25	1.03	0.00
33.70	1.25	1.03	0.00	36.30	1.25	1.03	0.00
33.75	1.25	1.03	0.00	36.35	1.25	1.03	0.00

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	1.03	0.00
36.45	1.25	1.03	0.00
36.50	1.25	1.03	0.00
36.55	1.25	1.03	0.00
36.60	1.25	1.03	0.00
36.65	1.25	1.03	0.00
36.70	1.25	1.03	0.00
36.75	1.25	1.03	0.00
36.80	1.25	1.03	0.00
36.85	1.25	1.03	0.00
36.90	1.25	1.03	0.00
36.95	1.25	1.03	0.00
37.00	1.25	1.03	0.00
37.05	1.25	1.03	0.00
37.10	1.25	1.03	0.00
37.15	1.25	1.03	0.00
37.20	1.25	1.03	0.00
37.25	1.25	1.03	0.00
37.30	1.25	1.03	0.00
37.35	1.25	1.03	0.00
37.40	1.25	1.03	0.00
37.45	1.25	1.03	0.00
37.50	1.25	1.03	0.00
37.55	1.25	1.03	0.00
37.60	1.25	1.03	0.00
37.65	1.25	1.03	0.00
37.70	1.25	1.03	0.00
37.75	1.25	1.03	0.00
37.80	1.25	1.03	0.00
37.85	1.25	1.03	0.00
37.90	1.25	1.03	0.00
37.95	1.25	1.03	0.00
38.00	1.25	1.03	0.00
38.05	1.25	1.03	0.00
38.10	1.25	1.03	0.00
38.15	1.25	1.03	0.00
38.20	1.25	1.03	0.00
38.25	1.25	1.03	0.00
38.30	1.25	1.03	0.00
38.35	1.25	1.03	0.00
38.40	1.25	1.03	0.00
38.45	1.25	1.03	0.00
38.50	1.25	1.03	0.00
38.55	1.25	1.03	0.00
38.60	1.25	1.03	0.00
38.65	1.25	1.03	0.00
38.70	1.25	1.03	0.00
38.75	1.25	1.03	0.00
38.80	1.25	1.03	0.00
38.85	1.25	1.03	0.00
38.90	1.25	1.03	0.00
38.95	1.25	1.03	0.00
39.00	1.25	1.03	0.00
39.05	1.25	1.03	0.00
39.10	1.25	1.03	0.00
39.15	1.25	1.03	0.00
39.20	1.25	1.03	0.00
39.25	1.25	1.03	0.00
39.30	1.25	1.03	0.00
39.35	1.25	1.03	0.00
39.40	1.25	1.03	0.00
39.45	1.25	1.03	0.00
39.50	1.25	1.03	0.00
39.55	1.25	1.03	0.00
39.60	1.25	1.03	0.00
39.65	1.25	1.03	0.00
39.70	1.25	1.03	0.00
39.75	1.25	1.03	0.00
39.80	1.25	1.03	0.00
39.85	1.25	1.03	0.00
39.90	1.25	1.03	0.00
39.95	1.25	1.03	0.00
40.00	1.25	1.03	0.00

Summary for Subcatchment 52P: PDA-52 (pervious)

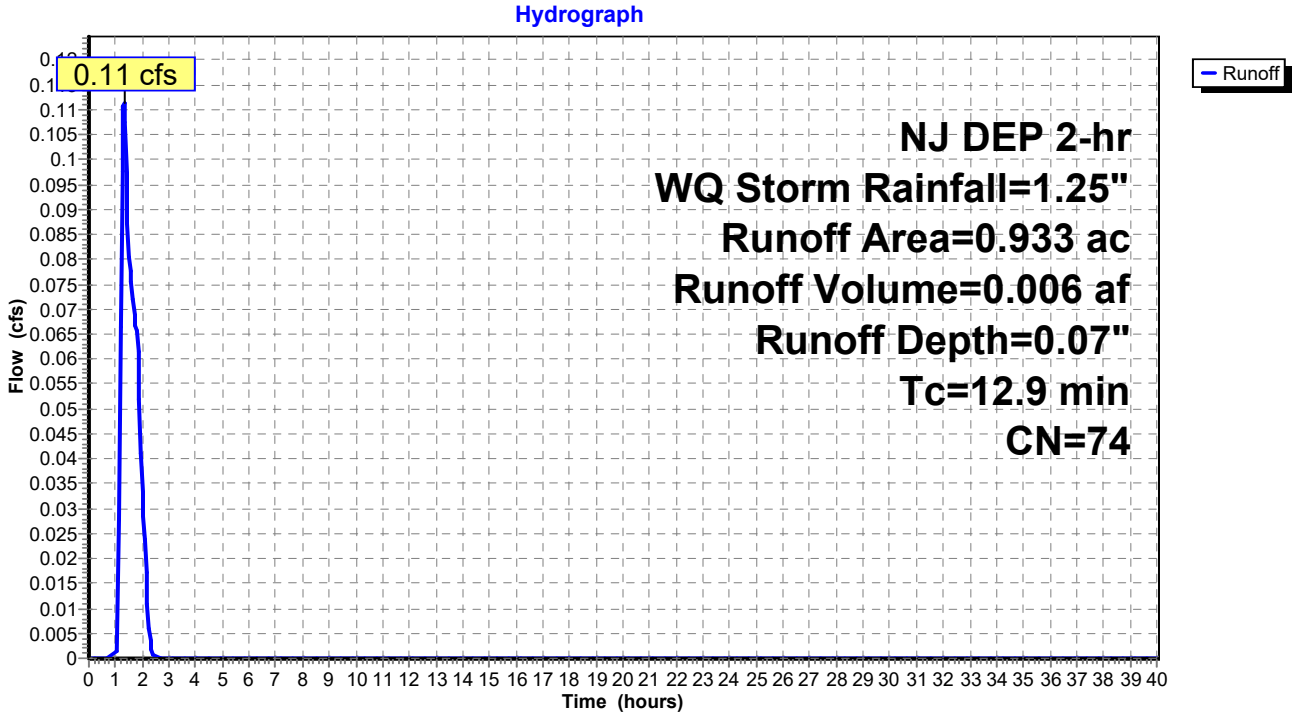
Runoff = 0.11 cfs @ 1.32 hrs, Volume= 0.006 af, Depth= 0.07"
Routed to Pond B-52 : Basin #52

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
0.933	74	>75% Grass cover, Good, HSG C
0.933		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.9					**Direct Entry,**

Subcatchment 52P: PDA-52 (pervious)



Hydrograph for Subcatchment 52P: PDA-52 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.07	0.00
1.10	0.91	0.01	0.00	3.70	1.25	0.07	0.00
1.15	0.97	0.02	0.03	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.07	3.80	1.25	0.07	0.00
1.25	1.05	0.03	0.10	3.85	1.25	0.07	0.00
1.30	1.07	0.03	**0.11**	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.11	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.10	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.09	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.08	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.08	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.08	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.07	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.07	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.07	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.07	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.06	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.05	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.04	4.55	1.25	0.07	0.00
2.00	**1.25**	**0.07**	0.03	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.03	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.02	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.02	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.01	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.01	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.00	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00
36.45	1.25	0.07	0.00
36.50	1.25	0.07	0.00
36.55	1.25	0.07	0.00
36.60	1.25	0.07	0.00
36.65	1.25	0.07	0.00
36.70	1.25	0.07	0.00
36.75	1.25	0.07	0.00
36.80	1.25	0.07	0.00
36.85	1.25	0.07	0.00
36.90	1.25	0.07	0.00
36.95	1.25	0.07	0.00
37.00	1.25	0.07	0.00
37.05	1.25	0.07	0.00
37.10	1.25	0.07	0.00
37.15	1.25	0.07	0.00
37.20	1.25	0.07	0.00
37.25	1.25	0.07	0.00
37.30	1.25	0.07	0.00
37.35	1.25	0.07	0.00
37.40	1.25	0.07	0.00
37.45	1.25	0.07	0.00
37.50	1.25	0.07	0.00
37.55	1.25	0.07	0.00
37.60	1.25	0.07	0.00
37.65	1.25	0.07	0.00
37.70	1.25	0.07	0.00
37.75	1.25	0.07	0.00
37.80	1.25	0.07	0.00
37.85	1.25	0.07	0.00
37.90	1.25	0.07	0.00
37.95	1.25	0.07	0.00
38.00	1.25	0.07	0.00
38.05	1.25	0.07	0.00
38.10	1.25	0.07	0.00
38.15	1.25	0.07	0.00
38.20	1.25	0.07	0.00
38.25	1.25	0.07	0.00
38.30	1.25	0.07	0.00
38.35	1.25	0.07	0.00
38.40	1.25	0.07	0.00
38.45	1.25	0.07	0.00
38.50	1.25	0.07	0.00
38.55	1.25	0.07	0.00
38.60	1.25	0.07	0.00
38.65	1.25	0.07	0.00
38.70	1.25	0.07	0.00
38.75	1.25	0.07	0.00
38.80	1.25	0.07	0.00
38.85	1.25	0.07	0.00
38.90	1.25	0.07	0.00
38.95	1.25	0.07	0.00
39.00	1.25	0.07	0.00
39.05	1.25	0.07	0.00
39.10	1.25	0.07	0.00
39.15	1.25	0.07	0.00
39.20	1.25	0.07	0.00
39.25	1.25	0.07	0.00
39.30	1.25	0.07	0.00
39.35	1.25	0.07	0.00
39.40	1.25	0.07	0.00
39.45	1.25	0.07	0.00
39.50	1.25	0.07	0.00
39.55	1.25	0.07	0.00
39.60	1.25	0.07	0.00
39.65	1.25	0.07	0.00
39.70	1.25	0.07	0.00
39.75	1.25	0.07	0.00
39.80	1.25	0.07	0.00
39.85	1.25	0.07	0.00
39.90	1.25	0.07	0.00
39.95	1.25	0.07	0.00
40.00	1.25	0.07	0.00

Summary for Subcatchment 53I: PDA-53 (impervious)

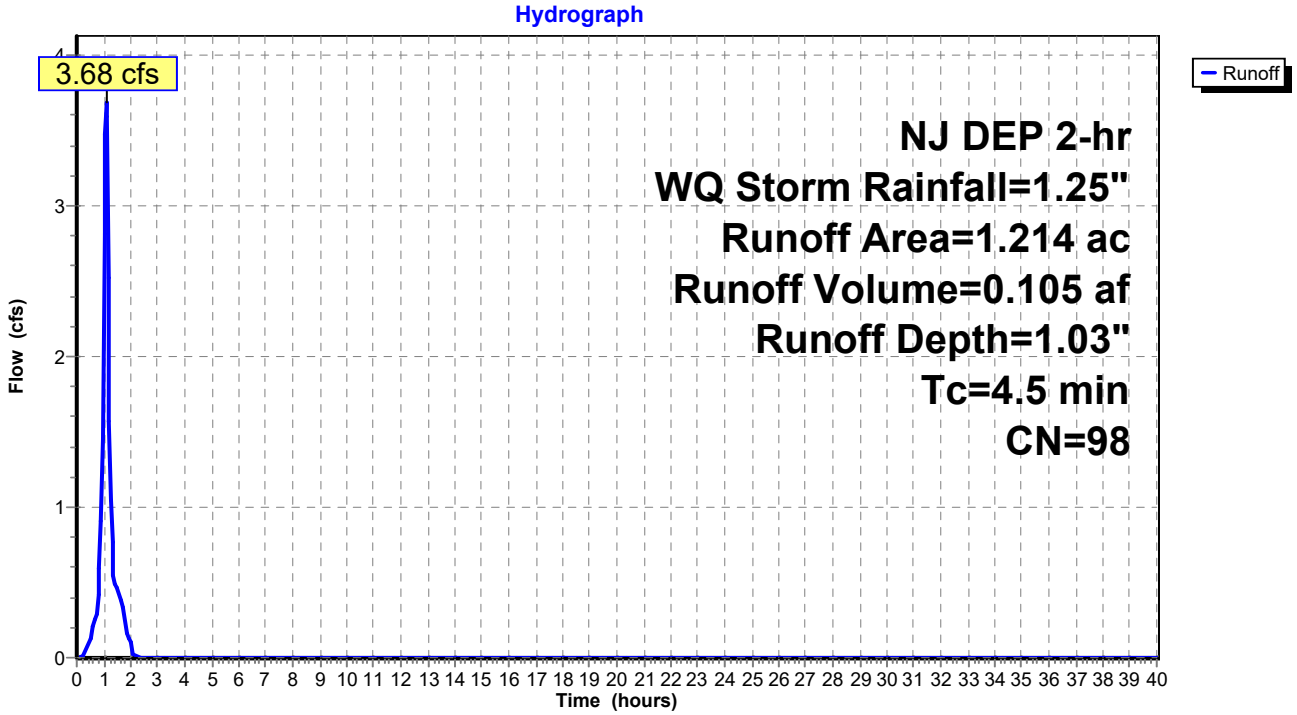
Runoff = 3.68 cfs @ 1.08 hrs, Volume= 0.105 af, Depth= 1.03"
Routed to Pond B-53 : Basin #53

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

	Area (ac)	CN	Description
*	0.628	98	Pavement, HSG C
*	0.450	98	Roof, HSG C
*	0.136	98	Concrete, HSG C
	1.214	98	Weighted Average
	1.214		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
4.5					**Direct Entry,**

Subcatchment 53I: PDA-53 (impervious)



Hydrograph for Subcatchment 53I: PDA-53 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	1.03	0.00
0.05	0.00	0.00	0.00	2.65	1.25	1.03	0.00
0.10	0.01	0.00	0.00	2.70	1.25	1.03	0.00
0.15	0.01	0.00	0.00	2.75	1.25	1.03	0.00
0.20	0.02	0.00	0.00	2.80	1.25	1.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	1.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	1.03	0.00
0.35	0.06	0.00	0.00	2.95	1.25	1.03	0.00
0.40	0.07	0.00	0.03	3.00	1.25	1.03	0.00
0.45	0.09	0.01	0.07	3.05	1.25	1.03	0.00
0.50	0.10	0.01	0.11	3.10	1.25	1.03	0.00
0.55	0.12	0.02	0.15	3.15	1.25	1.03	0.00
0.60	0.14	0.03	0.21	3.20	1.25	1.03	0.00
0.65	0.16	0.04	0.25	3.25	1.25	1.03	0.00
0.70	0.18	0.06	0.28	3.30	1.25	1.03	0.00
0.75	0.20	0.07	0.31	3.35	1.25	1.03	0.00
0.80	0.23	0.09	0.41	3.40	1.25	1.03	0.00
0.85	0.28	0.13	0.59	3.45	1.25	1.03	0.00
0.90	0.34	0.18	0.90	3.50	1.25	1.03	0.00
0.95	0.46	0.29	1.45	3.55	1.25	1.03	0.00
1.00	0.63	0.43	2.81	3.60	1.25	1.03	0.00
1.05	0.79	0.58	3.47	3.65	1.25	1.03	0.00
1.10	0.91	0.71	**3.59**	3.70	1.25	1.03	0.00
1.15	0.97	0.76	2.52	3.75	1.25	1.03	0.00
1.20	1.02	0.81	1.57	3.80	1.25	1.03	0.00
1.25	1.05	0.84	1.05	3.85	1.25	1.03	0.00
1.30	1.07	0.86	0.76	3.90	1.25	1.03	0.00
1.35	1.09	0.88	0.55	3.95	1.25	1.03	0.00
1.40	1.11	0.90	0.49	4.00	1.25	1.03	0.00
1.45	1.13	0.92	0.48	4.05	1.25	1.03	0.00
1.50	1.15	0.94	0.47	4.10	1.25	1.03	0.00
1.55	1.17	0.95	0.44	4.15	1.25	1.03	0.00
1.60	1.18	0.97	0.38	4.20	1.25	1.03	0.00
1.65	1.20	0.98	0.36	4.25	1.25	1.03	0.00
1.70	1.21	1.00	0.36	4.30	1.25	1.03	0.00
1.75	1.23	1.01	0.36	4.35	1.25	1.03	0.00
1.80	1.23	1.02	0.28	4.40	1.25	1.03	0.00
1.85	1.24	1.02	0.16	4.45	1.25	1.03	0.00
1.90	1.24	1.02	0.13	4.50	1.25	1.03	0.00
1.95	1.25	1.03	0.12	4.55	1.25	1.03	0.00
2.00	**1.25**	**1.03**	0.12	4.60	1.25	1.03	0.00
2.05	1.25	1.03	0.08	4.65	1.25	1.03	0.00
2.10	1.25	1.03	0.02	4.70	1.25	1.03	0.00
2.15	1.25	1.03	0.00	4.75	1.25	1.03	0.00
2.20	1.25	1.03	0.00	4.80	1.25	1.03	0.00
2.25	1.25	1.03	0.00	4.85	1.25	1.03	0.00
2.30	1.25	1.03	0.00	4.90	1.25	1.03	0.00
2.35	1.25	1.03	0.00	4.95	1.25	1.03	0.00
2.40	1.25	1.03	0.00	5.00	1.25	1.03	0.00
2.45	1.25	1.03	0.00	5.05	1.25	1.03	0.00
2.50	1.25	1.03	0.00	5.10	1.25	1.03	0.00
2.55	1.25	1.03	0.00	5.15	1.25	1.03	0.00

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	1.03	0.00	7.80	1.25	1.03	0.00
5.25	1.25	1.03	0.00	7.85	1.25	1.03	0.00
5.30	1.25	1.03	0.00	7.90	1.25	1.03	0.00
5.35	1.25	1.03	0.00	7.95	1.25	1.03	0.00
5.40	1.25	1.03	0.00	8.00	1.25	1.03	0.00
5.45	1.25	1.03	0.00	8.05	1.25	1.03	0.00
5.50	1.25	1.03	0.00	8.10	1.25	1.03	0.00
5.55	1.25	1.03	0.00	8.15	1.25	1.03	0.00
5.60	1.25	1.03	0.00	8.20	1.25	1.03	0.00
5.65	1.25	1.03	0.00	8.25	1.25	1.03	0.00
5.70	1.25	1.03	0.00	8.30	1.25	1.03	0.00
5.75	1.25	1.03	0.00	8.35	1.25	1.03	0.00
5.80	1.25	1.03	0.00	8.40	1.25	1.03	0.00
5.85	1.25	1.03	0.00	8.45	1.25	1.03	0.00
5.90	1.25	1.03	0.00	8.50	1.25	1.03	0.00
5.95	1.25	1.03	0.00	8.55	1.25	1.03	0.00
6.00	1.25	1.03	0.00	8.60	1.25	1.03	0.00
6.05	1.25	1.03	0.00	8.65	1.25	1.03	0.00
6.10	1.25	1.03	0.00	8.70	1.25	1.03	0.00
6.15	1.25	1.03	0.00	8.75	1.25	1.03	0.00
6.20	1.25	1.03	0.00	8.80	1.25	1.03	0.00
6.25	1.25	1.03	0.00	8.85	1.25	1.03	0.00
6.30	1.25	1.03	0.00	8.90	1.25	1.03	0.00
6.35	1.25	1.03	0.00	8.95	1.25	1.03	0.00
6.40	1.25	1.03	0.00	9.00	1.25	1.03	0.00
6.45	1.25	1.03	0.00	9.05	1.25	1.03	0.00
6.50	1.25	1.03	0.00	9.10	1.25	1.03	0.00
6.55	1.25	1.03	0.00	9.15	1.25	1.03	0.00
6.60	1.25	1.03	0.00	9.20	1.25	1.03	0.00
6.65	1.25	1.03	0.00	9.25	1.25	1.03	0.00
6.70	1.25	1.03	0.00	9.30	1.25	1.03	0.00
6.75	1.25	1.03	0.00	9.35	1.25	1.03	0.00
6.80	1.25	1.03	0.00	9.40	1.25	1.03	0.00
6.85	1.25	1.03	0.00	9.45	1.25	1.03	0.00
6.90	1.25	1.03	0.00	9.50	1.25	1.03	0.00
6.95	1.25	1.03	0.00	9.55	1.25	1.03	0.00
7.00	1.25	1.03	0.00	9.60	1.25	1.03	0.00
7.05	1.25	1.03	0.00	9.65	1.25	1.03	0.00
7.10	1.25	1.03	0.00	9.70	1.25	1.03	0.00
7.15	1.25	1.03	0.00	9.75	1.25	1.03	0.00
7.20	1.25	1.03	0.00	9.80	1.25	1.03	0.00
7.25	1.25	1.03	0.00	9.85	1.25	1.03	0.00
7.30	1.25	1.03	0.00	9.90	1.25	1.03	0.00
7.35	1.25	1.03	0.00	9.95	1.25	1.03	0.00
7.40	1.25	1.03	0.00	10.00	1.25	1.03	0.00
7.45	1.25	1.03	0.00	10.05	1.25	1.03	0.00
7.50	1.25	1.03	0.00	10.10	1.25	1.03	0.00
7.55	1.25	1.03	0.00	10.15	1.25	1.03	0.00
7.60	1.25	1.03	0.00	10.20	1.25	1.03	0.00
7.65	1.25	1.03	0.00	10.25	1.25	1.03	0.00
7.70	1.25	1.03	0.00	10.30	1.25	1.03	0.00
7.75	1.25	1.03	0.00	10.35	1.25	1.03	0.00

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	1.03	0.00	13.00	1.25	1.03	0.00
10.45	1.25	1.03	0.00	13.05	1.25	1.03	0.00
10.50	1.25	1.03	0.00	13.10	1.25	1.03	0.00
10.55	1.25	1.03	0.00	13.15	1.25	1.03	0.00
10.60	1.25	1.03	0.00	13.20	1.25	1.03	0.00
10.65	1.25	1.03	0.00	13.25	1.25	1.03	0.00
10.70	1.25	1.03	0.00	13.30	1.25	1.03	0.00
10.75	1.25	1.03	0.00	13.35	1.25	1.03	0.00
10.80	1.25	1.03	0.00	13.40	1.25	1.03	0.00
10.85	1.25	1.03	0.00	13.45	1.25	1.03	0.00
10.90	1.25	1.03	0.00	13.50	1.25	1.03	0.00
10.95	1.25	1.03	0.00	13.55	1.25	1.03	0.00
11.00	1.25	1.03	0.00	13.60	1.25	1.03	0.00
11.05	1.25	1.03	0.00	13.65	1.25	1.03	0.00
11.10	1.25	1.03	0.00	13.70	1.25	1.03	0.00
11.15	1.25	1.03	0.00	13.75	1.25	1.03	0.00
11.20	1.25	1.03	0.00	13.80	1.25	1.03	0.00
11.25	1.25	1.03	0.00	13.85	1.25	1.03	0.00
11.30	1.25	1.03	0.00	13.90	1.25	1.03	0.00
11.35	1.25	1.03	0.00	13.95	1.25	1.03	0.00
11.40	1.25	1.03	0.00	14.00	1.25	1.03	0.00
11.45	1.25	1.03	0.00	14.05	1.25	1.03	0.00
11.50	1.25	1.03	0.00	14.10	1.25	1.03	0.00
11.55	1.25	1.03	0.00	14.15	1.25	1.03	0.00
11.60	1.25	1.03	0.00	14.20	1.25	1.03	0.00
11.65	1.25	1.03	0.00	14.25	1.25	1.03	0.00
11.70	1.25	1.03	0.00	14.30	1.25	1.03	0.00
11.75	1.25	1.03	0.00	14.35	1.25	1.03	0.00
11.80	1.25	1.03	0.00	14.40	1.25	1.03	0.00
11.85	1.25	1.03	0.00	14.45	1.25	1.03	0.00
11.90	1.25	1.03	0.00	14.50	1.25	1.03	0.00
11.95	1.25	1.03	0.00	14.55	1.25	1.03	0.00
12.00	1.25	1.03	0.00	14.60	1.25	1.03	0.00
12.05	1.25	1.03	0.00	14.65	1.25	1.03	0.00
12.10	1.25	1.03	0.00	14.70	1.25	1.03	0.00
12.15	1.25	1.03	0.00	14.75	1.25	1.03	0.00
12.20	1.25	1.03	0.00	14.80	1.25	1.03	0.00
12.25	1.25	1.03	0.00	14.85	1.25	1.03	0.00
12.30	1.25	1.03	0.00	14.90	1.25	1.03	0.00
12.35	1.25	1.03	0.00	14.95	1.25	1.03	0.00
12.40	1.25	1.03	0.00	15.00	1.25	1.03	0.00
12.45	1.25	1.03	0.00	15.05	1.25	1.03	0.00
12.50	1.25	1.03	0.00	15.10	1.25	1.03	0.00
12.55	1.25	1.03	0.00	15.15	1.25	1.03	0.00
12.60	1.25	1.03	0.00	15.20	1.25	1.03	0.00
12.65	1.25	1.03	0.00	15.25	1.25	1.03	0.00
12.70	1.25	1.03	0.00	15.30	1.25	1.03	0.00
12.75	1.25	1.03	0.00	15.35	1.25	1.03	0.00
12.80	1.25	1.03	0.00	15.40	1.25	1.03	0.00
12.85	1.25	1.03	0.00	15.45	1.25	1.03	0.00
12.90	1.25	1.03	0.00	15.50	1.25	1.03	0.00
12.95	1.25	1.03	0.00	15.55	1.25	1.03	0.00

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	1.03	0.00	18.20	1.25	1.03	0.00
15.65	1.25	1.03	0.00	18.25	1.25	1.03	0.00
15.70	1.25	1.03	0.00	18.30	1.25	1.03	0.00
15.75	1.25	1.03	0.00	18.35	1.25	1.03	0.00
15.80	1.25	1.03	0.00	18.40	1.25	1.03	0.00
15.85	1.25	1.03	0.00	18.45	1.25	1.03	0.00
15.90	1.25	1.03	0.00	18.50	1.25	1.03	0.00
15.95	1.25	1.03	0.00	18.55	1.25	1.03	0.00
16.00	1.25	1.03	0.00	18.60	1.25	1.03	0.00
16.05	1.25	1.03	0.00	18.65	1.25	1.03	0.00
16.10	1.25	1.03	0.00	18.70	1.25	1.03	0.00
16.15	1.25	1.03	0.00	18.75	1.25	1.03	0.00
16.20	1.25	1.03	0.00	18.80	1.25	1.03	0.00
16.25	1.25	1.03	0.00	18.85	1.25	1.03	0.00
16.30	1.25	1.03	0.00	18.90	1.25	1.03	0.00
16.35	1.25	1.03	0.00	18.95	1.25	1.03	0.00
16.40	1.25	1.03	0.00	19.00	1.25	1.03	0.00
16.45	1.25	1.03	0.00	19.05	1.25	1.03	0.00
16.50	1.25	1.03	0.00	19.10	1.25	1.03	0.00
16.55	1.25	1.03	0.00	19.15	1.25	1.03	0.00
16.60	1.25	1.03	0.00	19.20	1.25	1.03	0.00
16.65	1.25	1.03	0.00	19.25	1.25	1.03	0.00
16.70	1.25	1.03	0.00	19.30	1.25	1.03	0.00
16.75	1.25	1.03	0.00	19.35	1.25	1.03	0.00
16.80	1.25	1.03	0.00	19.40	1.25	1.03	0.00
16.85	1.25	1.03	0.00	19.45	1.25	1.03	0.00
16.90	1.25	1.03	0.00	19.50	1.25	1.03	0.00
16.95	1.25	1.03	0.00	19.55	1.25	1.03	0.00
17.00	1.25	1.03	0.00	19.60	1.25	1.03	0.00
17.05	1.25	1.03	0.00	19.65	1.25	1.03	0.00
17.10	1.25	1.03	0.00	19.70	1.25	1.03	0.00
17.15	1.25	1.03	0.00	19.75	1.25	1.03	0.00
17.20	1.25	1.03	0.00	19.80	1.25	1.03	0.00
17.25	1.25	1.03	0.00	19.85	1.25	1.03	0.00
17.30	1.25	1.03	0.00	19.90	1.25	1.03	0.00
17.35	1.25	1.03	0.00	19.95	1.25	1.03	0.00
17.40	1.25	1.03	0.00	20.00	1.25	1.03	0.00
17.45	1.25	1.03	0.00	20.05	1.25	1.03	0.00
17.50	1.25	1.03	0.00	20.10	1.25	1.03	0.00
17.55	1.25	1.03	0.00	20.15	1.25	1.03	0.00
17.60	1.25	1.03	0.00	20.20	1.25	1.03	0.00
17.65	1.25	1.03	0.00	20.25	1.25	1.03	0.00
17.70	1.25	1.03	0.00	20.30	1.25	1.03	0.00
17.75	1.25	1.03	0.00	20.35	1.25	1.03	0.00
17.80	1.25	1.03	0.00	20.40	1.25	1.03	0.00
17.85	1.25	1.03	0.00	20.45	1.25	1.03	0.00
17.90	1.25	1.03	0.00	20.50	1.25	1.03	0.00
17.95	1.25	1.03	0.00	20.55	1.25	1.03	0.00
18.00	1.25	1.03	0.00	20.60	1.25	1.03	0.00
18.05	1.25	1.03	0.00	20.65	1.25	1.03	0.00
18.10	1.25	1.03	0.00	20.70	1.25	1.03	0.00
18.15	1.25	1.03	0.00	20.75	1.25	1.03	0.00

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	1.03	0.00	23.40	1.25	1.03	0.00
20.85	1.25	1.03	0.00	23.45	1.25	1.03	0.00
20.90	1.25	1.03	0.00	23.50	1.25	1.03	0.00
20.95	1.25	1.03	0.00	23.55	1.25	1.03	0.00
21.00	1.25	1.03	0.00	23.60	1.25	1.03	0.00
21.05	1.25	1.03	0.00	23.65	1.25	1.03	0.00
21.10	1.25	1.03	0.00	23.70	1.25	1.03	0.00
21.15	1.25	1.03	0.00	23.75	1.25	1.03	0.00
21.20	1.25	1.03	0.00	23.80	1.25	1.03	0.00
21.25	1.25	1.03	0.00	23.85	1.25	1.03	0.00
21.30	1.25	1.03	0.00	23.90	1.25	1.03	0.00
21.35	1.25	1.03	0.00	23.95	1.25	1.03	0.00
21.40	1.25	1.03	0.00	24.00	1.25	1.03	0.00
21.45	1.25	1.03	0.00	24.05	1.25	1.03	0.00
21.50	1.25	1.03	0.00	24.10	1.25	1.03	0.00
21.55	1.25	1.03	0.00	24.15	1.25	1.03	0.00
21.60	1.25	1.03	0.00	24.20	1.25	1.03	0.00
21.65	1.25	1.03	0.00	24.25	1.25	1.03	0.00
21.70	1.25	1.03	0.00	24.30	1.25	1.03	0.00
21.75	1.25	1.03	0.00	24.35	1.25	1.03	0.00
21.80	1.25	1.03	0.00	24.40	1.25	1.03	0.00
21.85	1.25	1.03	0.00	24.45	1.25	1.03	0.00
21.90	1.25	1.03	0.00	24.50	1.25	1.03	0.00
21.95	1.25	1.03	0.00	24.55	1.25	1.03	0.00
22.00	1.25	1.03	0.00	24.60	1.25	1.03	0.00
22.05	1.25	1.03	0.00	24.65	1.25	1.03	0.00
22.10	1.25	1.03	0.00	24.70	1.25	1.03	0.00
22.15	1.25	1.03	0.00	24.75	1.25	1.03	0.00
22.20	1.25	1.03	0.00	24.80	1.25	1.03	0.00
22.25	1.25	1.03	0.00	24.85	1.25	1.03	0.00
22.30	1.25	1.03	0.00	24.90	1.25	1.03	0.00
22.35	1.25	1.03	0.00	24.95	1.25	1.03	0.00
22.40	1.25	1.03	0.00	25.00	1.25	1.03	0.00
22.45	1.25	1.03	0.00	25.05	1.25	1.03	0.00
22.50	1.25	1.03	0.00	25.10	1.25	1.03	0.00
22.55	1.25	1.03	0.00	25.15	1.25	1.03	0.00
22.60	1.25	1.03	0.00	25.20	1.25	1.03	0.00
22.65	1.25	1.03	0.00	25.25	1.25	1.03	0.00
22.70	1.25	1.03	0.00	25.30	1.25	1.03	0.00
22.75	1.25	1.03	0.00	25.35	1.25	1.03	0.00
22.80	1.25	1.03	0.00	25.40	1.25	1.03	0.00
22.85	1.25	1.03	0.00	25.45	1.25	1.03	0.00
22.90	1.25	1.03	0.00	25.50	1.25	1.03	0.00
22.95	1.25	1.03	0.00	25.55	1.25	1.03	0.00
23.00	1.25	1.03	0.00	25.60	1.25	1.03	0.00
23.05	1.25	1.03	0.00	25.65	1.25	1.03	0.00
23.10	1.25	1.03	0.00	25.70	1.25	1.03	0.00
23.15	1.25	1.03	0.00	25.75	1.25	1.03	0.00
23.20	1.25	1.03	0.00	25.80	1.25	1.03	0.00
23.25	1.25	1.03	0.00	25.85	1.25	1.03	0.00
23.30	1.25	1.03	0.00	25.90	1.25	1.03	0.00
23.35	1.25	1.03	0.00	25.95	1.25	1.03	0.00

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00	30.05	1.25	1.03	0.00
27.50	1.25	1.03	0.00	30.10	1.25	1.03	0.00
27.55	1.25	1.03	0.00	30.15	1.25	1.03	0.00
27.60	1.25	1.03	0.00	30.20	1.25	1.03	0.00
27.65	1.25	1.03	0.00	30.25	1.25	1.03	0.00
27.70	1.25	1.03	0.00	30.30	1.25	1.03	0.00
27.75	1.25	1.03	0.00	30.35	1.25	1.03	0.00
27.80	1.25	1.03	0.00	30.40	1.25	1.03	0.00
27.85	1.25	1.03	0.00	30.45	1.25	1.03	0.00
27.90	1.25	1.03	0.00	30.50	1.25	1.03	0.00
27.95	1.25	1.03	0.00	30.55	1.25	1.03	0.00
28.00	1.25	1.03	0.00	30.60	1.25	1.03	0.00
28.05	1.25	1.03	0.00	30.65	1.25	1.03	0.00
28.10	1.25	1.03	0.00	30.70	1.25	1.03	0.00
28.15	1.25	1.03	0.00	30.75	1.25	1.03	0.00
28.20	1.25	1.03	0.00	30.80	1.25	1.03	0.00
28.25	1.25	1.03	0.00	30.85	1.25	1.03	0.00
28.30	1.25	1.03	0.00	30.90	1.25	1.03	0.00
28.35	1.25	1.03	0.00	30.95	1.25	1.03	0.00
28.40	1.25	1.03	0.00	31.00	1.25	1.03	0.00
28.45	1.25	1.03	0.00	31.05	1.25	1.03	0.00
28.50	1.25	1.03	0.00	31.10	1.25	1.03	0.00
28.55	1.25	1.03	0.00	31.15	1.25	1.03	0.00

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	1.03	0.00	33.80	1.25	1.03	0.00
31.25	1.25	1.03	0.00	33.85	1.25	1.03	0.00
31.30	1.25	1.03	0.00	33.90	1.25	1.03	0.00
31.35	1.25	1.03	0.00	33.95	1.25	1.03	0.00
31.40	1.25	1.03	0.00	34.00	1.25	1.03	0.00
31.45	1.25	1.03	0.00	34.05	1.25	1.03	0.00
31.50	1.25	1.03	0.00	34.10	1.25	1.03	0.00
31.55	1.25	1.03	0.00	34.15	1.25	1.03	0.00
31.60	1.25	1.03	0.00	34.20	1.25	1.03	0.00
31.65	1.25	1.03	0.00	34.25	1.25	1.03	0.00
31.70	1.25	1.03	0.00	34.30	1.25	1.03	0.00
31.75	1.25	1.03	0.00	34.35	1.25	1.03	0.00
31.80	1.25	1.03	0.00	34.40	1.25	1.03	0.00
31.85	1.25	1.03	0.00	34.45	1.25	1.03	0.00
31.90	1.25	1.03	0.00	34.50	1.25	1.03	0.00
31.95	1.25	1.03	0.00	34.55	1.25	1.03	0.00
32.00	1.25	1.03	0.00	34.60	1.25	1.03	0.00
32.05	1.25	1.03	0.00	34.65	1.25	1.03	0.00
32.10	1.25	1.03	0.00	34.70	1.25	1.03	0.00
32.15	1.25	1.03	0.00	34.75	1.25	1.03	0.00
32.20	1.25	1.03	0.00	34.80	1.25	1.03	0.00
32.25	1.25	1.03	0.00	34.85	1.25	1.03	0.00
32.30	1.25	1.03	0.00	34.90	1.25	1.03	0.00
32.35	1.25	1.03	0.00	34.95	1.25	1.03	0.00
32.40	1.25	1.03	0.00	35.00	1.25	1.03	0.00
32.45	1.25	1.03	0.00	35.05	1.25	1.03	0.00
32.50	1.25	1.03	0.00	35.10	1.25	1.03	0.00
32.55	1.25	1.03	0.00	35.15	1.25	1.03	0.00
32.60	1.25	1.03	0.00	35.20	1.25	1.03	0.00
32.65	1.25	1.03	0.00	35.25	1.25	1.03	0.00
32.70	1.25	1.03	0.00	35.30	1.25	1.03	0.00
32.75	1.25	1.03	0.00	35.35	1.25	1.03	0.00
32.80	1.25	1.03	0.00	35.40	1.25	1.03	0.00
32.85	1.25	1.03	0.00	35.45	1.25	1.03	0.00
32.90	1.25	1.03	0.00	35.50	1.25	1.03	0.00
32.95	1.25	1.03	0.00	35.55	1.25	1.03	0.00
33.00	1.25	1.03	0.00	35.60	1.25	1.03	0.00
33.05	1.25	1.03	0.00	35.65	1.25	1.03	0.00
33.10	1.25	1.03	0.00	35.70	1.25	1.03	0.00
33.15	1.25	1.03	0.00	35.75	1.25	1.03	0.00
33.20	1.25	1.03	0.00	35.80	1.25	1.03	0.00
33.25	1.25	1.03	0.00	35.85	1.25	1.03	0.00
33.30	1.25	1.03	0.00	35.90	1.25	1.03	0.00
33.35	1.25	1.03	0.00	35.95	1.25	1.03	0.00
33.40	1.25	1.03	0.00	36.00	1.25	1.03	0.00
33.45	1.25	1.03	0.00	36.05	1.25	1.03	0.00
33.50	1.25	1.03	0.00	36.10	1.25	1.03	0.00
33.55	1.25	1.03	0.00	36.15	1.25	1.03	0.00
33.60	1.25	1.03	0.00	36.20	1.25	1.03	0.00
33.65	1.25	1.03	0.00	36.25	1.25	1.03	0.00
33.70	1.25	1.03	0.00	36.30	1.25	1.03	0.00
33.75	1.25	1.03	0.00	36.35	1.25	1.03	0.00

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	1.03	0.00
36.45	1.25	1.03	0.00
36.50	1.25	1.03	0.00
36.55	1.25	1.03	0.00
36.60	1.25	1.03	0.00
36.65	1.25	1.03	0.00
36.70	1.25	1.03	0.00
36.75	1.25	1.03	0.00
36.80	1.25	1.03	0.00
36.85	1.25	1.03	0.00
36.90	1.25	1.03	0.00
36.95	1.25	1.03	0.00
37.00	1.25	1.03	0.00
37.05	1.25	1.03	0.00
37.10	1.25	1.03	0.00
37.15	1.25	1.03	0.00
37.20	1.25	1.03	0.00
37.25	1.25	1.03	0.00
37.30	1.25	1.03	0.00
37.35	1.25	1.03	0.00
37.40	1.25	1.03	0.00
37.45	1.25	1.03	0.00
37.50	1.25	1.03	0.00
37.55	1.25	1.03	0.00
37.60	1.25	1.03	0.00
37.65	1.25	1.03	0.00
37.70	1.25	1.03	0.00
37.75	1.25	1.03	0.00
37.80	1.25	1.03	0.00
37.85	1.25	1.03	0.00
37.90	1.25	1.03	0.00
37.95	1.25	1.03	0.00
38.00	1.25	1.03	0.00
38.05	1.25	1.03	0.00
38.10	1.25	1.03	0.00
38.15	1.25	1.03	0.00
38.20	1.25	1.03	0.00
38.25	1.25	1.03	0.00
38.30	1.25	1.03	0.00
38.35	1.25	1.03	0.00
38.40	1.25	1.03	0.00
38.45	1.25	1.03	0.00
38.50	1.25	1.03	0.00
38.55	1.25	1.03	0.00
38.60	1.25	1.03	0.00
38.65	1.25	1.03	0.00
38.70	1.25	1.03	0.00
38.75	1.25	1.03	0.00
38.80	1.25	1.03	0.00
38.85	1.25	1.03	0.00
38.90	1.25	1.03	0.00
38.95	1.25	1.03	0.00
39.00	1.25	1.03	0.00
39.05	1.25	1.03	0.00
39.10	1.25	1.03	0.00
39.15	1.25	1.03	0.00
39.20	1.25	1.03	0.00
39.25	1.25	1.03	0.00
39.30	1.25	1.03	0.00
39.35	1.25	1.03	0.00
39.40	1.25	1.03	0.00
39.45	1.25	1.03	0.00
39.50	1.25	1.03	0.00
39.55	1.25	1.03	0.00
39.60	1.25	1.03	0.00
39.65	1.25	1.03	0.00
39.70	1.25	1.03	0.00
39.75	1.25	1.03	0.00
39.80	1.25	1.03	0.00
39.85	1.25	1.03	0.00
39.90	1.25	1.03	0.00
39.95	1.25	1.03	0.00
40.00	1.25	1.03	0.00

Summary for Subcatchment 53P: PDA-53 (pervious)

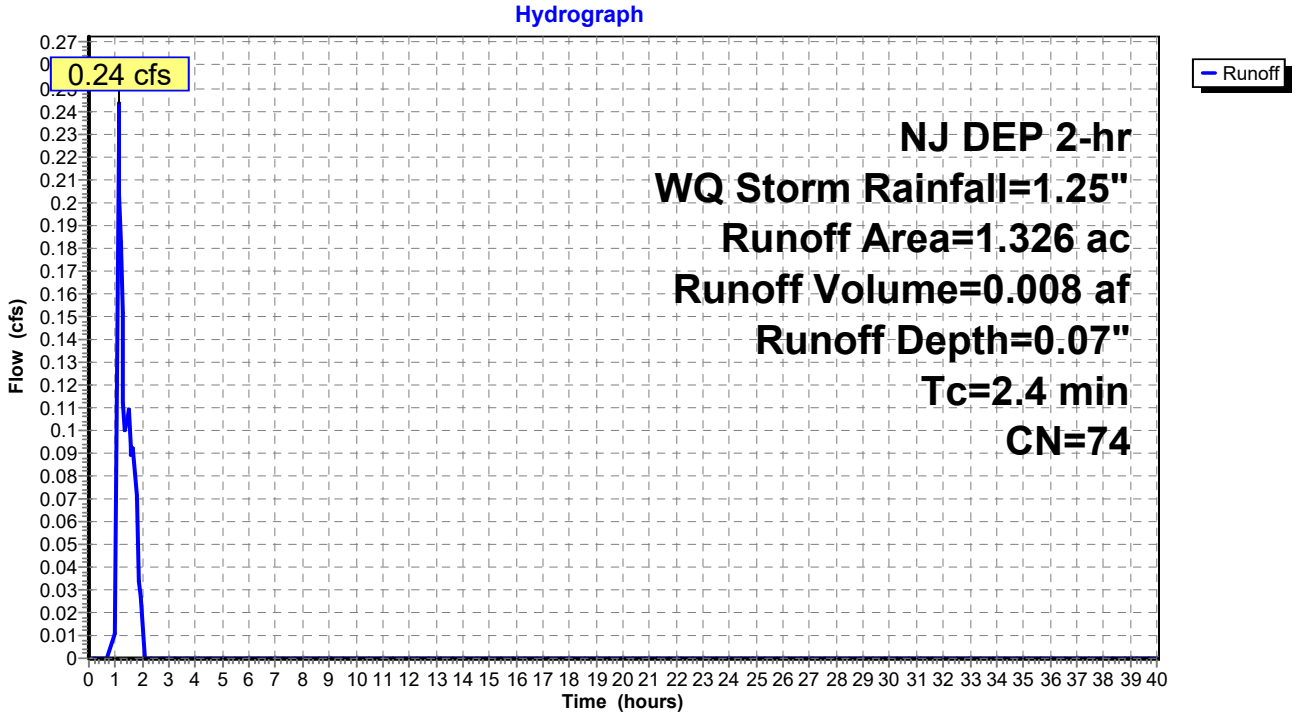
Runoff = 0.24 cfs @ 1.12 hrs, Volume= 0.008 af, Depth= 0.07"
Routed to Pond B-53 : Basin #53

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
1.326	74	>75% Grass cover, Good, HSG C
1.326		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.4					**Direct Entry,**

Subcatchment 53P: PDA-53 (pervious)



Hydrograph for Subcatchment 53P: PDA-53 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.03	3.65	1.25	0.07	0.00
1.10	0.91	0.01	**0.23**	3.70	1.25	0.07	0.00
1.15	0.97	0.02	0.20	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.18	3.80	1.25	0.07	0.00
1.25	1.05	0.03	0.15	3.85	1.25	0.07	0.00
1.30	1.07	0.03	0.11	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.10	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.10	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.11	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.11	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.09	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.09	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.09	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.09	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.09	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.05	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.03	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.03	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.03	4.55	1.25	0.07	0.00
2.00	**1.25**	**0.07**	0.03	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.01	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.00	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.00	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.00	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.00	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.00	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00
36.45	1.25	0.07	0.00
36.50	1.25	0.07	0.00
36.55	1.25	0.07	0.00
36.60	1.25	0.07	0.00
36.65	1.25	0.07	0.00
36.70	1.25	0.07	0.00
36.75	1.25	0.07	0.00
36.80	1.25	0.07	0.00
36.85	1.25	0.07	0.00
36.90	1.25	0.07	0.00
36.95	1.25	0.07	0.00
37.00	1.25	0.07	0.00
37.05	1.25	0.07	0.00
37.10	1.25	0.07	0.00
37.15	1.25	0.07	0.00
37.20	1.25	0.07	0.00
37.25	1.25	0.07	0.00
37.30	1.25	0.07	0.00
37.35	1.25	0.07	0.00
37.40	1.25	0.07	0.00
37.45	1.25	0.07	0.00
37.50	1.25	0.07	0.00
37.55	1.25	0.07	0.00
37.60	1.25	0.07	0.00
37.65	1.25	0.07	0.00
37.70	1.25	0.07	0.00
37.75	1.25	0.07	0.00
37.80	1.25	0.07	0.00
37.85	1.25	0.07	0.00
37.90	1.25	0.07	0.00
37.95	1.25	0.07	0.00
38.00	1.25	0.07	0.00
38.05	1.25	0.07	0.00
38.10	1.25	0.07	0.00
38.15	1.25	0.07	0.00
38.20	1.25	0.07	0.00
38.25	1.25	0.07	0.00
38.30	1.25	0.07	0.00
38.35	1.25	0.07	0.00
38.40	1.25	0.07	0.00
38.45	1.25	0.07	0.00
38.50	1.25	0.07	0.00
38.55	1.25	0.07	0.00
38.60	1.25	0.07	0.00
38.65	1.25	0.07	0.00
38.70	1.25	0.07	0.00
38.75	1.25	0.07	0.00
38.80	1.25	0.07	0.00
38.85	1.25	0.07	0.00
38.90	1.25	0.07	0.00
38.95	1.25	0.07	0.00
39.00	1.25	0.07	0.00
39.05	1.25	0.07	0.00
39.10	1.25	0.07	0.00
39.15	1.25	0.07	0.00
39.20	1.25	0.07	0.00
39.25	1.25	0.07	0.00
39.30	1.25	0.07	0.00
39.35	1.25	0.07	0.00
39.40	1.25	0.07	0.00
39.45	1.25	0.07	0.00
39.50	1.25	0.07	0.00
39.55	1.25	0.07	0.00
39.60	1.25	0.07	0.00
39.65	1.25	0.07	0.00
39.70	1.25	0.07	0.00
39.75	1.25	0.07	0.00
39.80	1.25	0.07	0.00
39.85	1.25	0.07	0.00
39.90	1.25	0.07	0.00
39.95	1.25	0.07	0.00
40.00	1.25	0.07	0.00

Summary for Subcatchment 54l: PDA-54 (impervious)

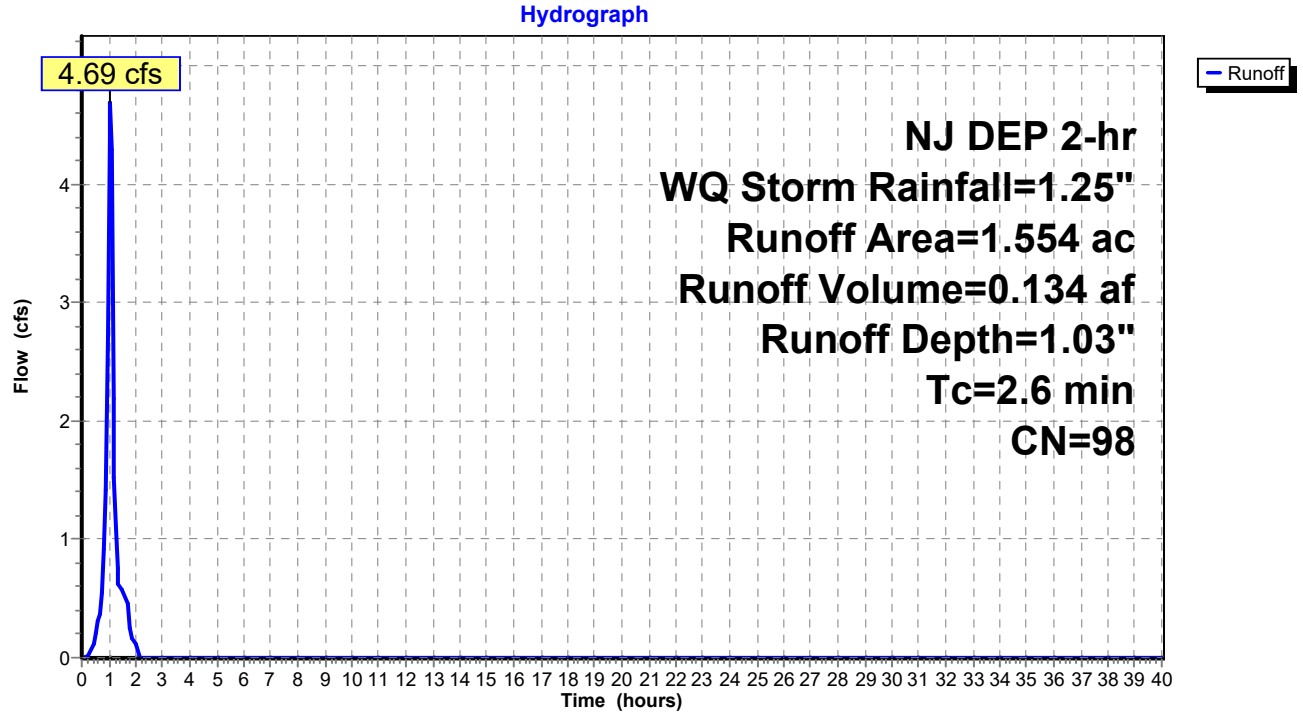
Runoff = 4.69 cfs @ 1.05 hrs, Volume= 0.134 af, Depth= 1.03"
Routed to Pond B-54 : Basin #54

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

	Area (ac)	CN	Description
*	0.983	98	Pavement, HSG C
*	0.361	98	Roof, HSG C
*	0.210	98	Concrete, HSG C
	1.554	98	Weighted Average
	1.554		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.6					**Direct Entry,**

Subcatchment 54l: PDA-54 (impervious)



Hydrograph for Subcatchment 54I: PDA-54 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	1.03	0.00
0.05	0.00	0.00	0.00	2.65	1.25	1.03	0.00
0.10	0.01	0.00	0.00	2.70	1.25	1.03	0.00
0.15	0.01	0.00	0.00	2.75	1.25	1.03	0.00
0.20	0.02	0.00	0.00	2.80	1.25	1.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	1.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	1.03	0.00
0.35	0.06	0.00	0.02	2.95	1.25	1.03	0.00
0.40	0.07	0.00	0.07	3.00	1.25	1.03	0.00
0.45	0.09	0.01	0.12	3.05	1.25	1.03	0.00
0.50	0.10	0.01	0.16	3.10	1.25	1.03	0.00
0.55	0.12	0.02	0.24	3.15	1.25	1.03	0.00
0.60	0.14	0.03	0.30	3.20	1.25	1.03	0.00
0.65	0.16	0.04	0.35	3.25	1.25	1.03	0.00
0.70	0.18	0.06	0.38	3.30	1.25	1.03	0.00
0.75	0.20	0.07	0.42	3.35	1.25	1.03	0.00
0.80	0.23	0.09	0.67	3.40	1.25	1.03	0.00
0.85	0.28	0.13	0.91	3.45	1.25	1.03	0.00
0.90	0.34	0.18	1.42	3.50	1.25	1.03	0.00
0.95	0.46	0.29	2.71	3.55	1.25	1.03	0.00
1.00	0.63	0.43	4.39	3.60	1.25	1.03	0.00
1.05	0.79	0.58	**4.69**	3.65	1.25	1.03	0.00
1.10	0.91	0.71	4.30	3.70	1.25	1.03	0.00
1.15	0.97	0.76	2.20	3.75	1.25	1.03	0.00
1.20	1.02	0.81	1.53	3.80	1.25	1.03	0.00
1.25	1.05	0.84	1.09	3.85	1.25	1.03	0.00
1.30	1.07	0.86	0.76	3.90	1.25	1.03	0.00
1.35	1.09	0.88	0.63	3.95	1.25	1.03	0.00
1.40	1.11	0.90	0.61	4.00	1.25	1.03	0.00
1.45	1.13	0.92	0.60	4.05	1.25	1.03	0.00
1.50	1.15	0.94	0.60	4.10	1.25	1.03	0.00
1.55	1.17	0.95	0.50	4.15	1.25	1.03	0.00
1.60	1.18	0.97	0.46	4.20	1.25	1.03	0.00
1.65	1.20	0.98	0.46	4.25	1.25	1.03	0.00
1.70	1.21	1.00	0.46	4.30	1.25	1.03	0.00
1.75	1.23	1.01	0.45	4.35	1.25	1.03	0.00
1.80	1.23	1.02	0.25	4.40	1.25	1.03	0.00
1.85	1.24	1.02	0.16	4.45	1.25	1.03	0.00
1.90	1.24	1.02	0.15	4.50	1.25	1.03	0.00
1.95	1.25	1.03	0.15	4.55	1.25	1.03	0.00
2.00	**1.25**	**1.03**	0.15	4.60	1.25	1.03	0.00
2.05	1.25	1.03	0.05	4.65	1.25	1.03	0.00
2.10	1.25	1.03	0.00	4.70	1.25	1.03	0.00
2.15	1.25	1.03	0.00	4.75	1.25	1.03	0.00
2.20	1.25	1.03	0.00	4.80	1.25	1.03	0.00
2.25	1.25	1.03	0.00	4.85	1.25	1.03	0.00
2.30	1.25	1.03	0.00	4.90	1.25	1.03	0.00
2.35	1.25	1.03	0.00	4.95	1.25	1.03	0.00
2.40	1.25	1.03	0.00	5.00	1.25	1.03	0.00
2.45	1.25	1.03	0.00	5.05	1.25	1.03	0.00
2.50	1.25	1.03	0.00	5.10	1.25	1.03	0.00
2.55	1.25	1.03	0.00	5.15	1.25	1.03	0.00

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	1.03	0.00	7.80	1.25	1.03	0.00
5.25	1.25	1.03	0.00	7.85	1.25	1.03	0.00
5.30	1.25	1.03	0.00	7.90	1.25	1.03	0.00
5.35	1.25	1.03	0.00	7.95	1.25	1.03	0.00
5.40	1.25	1.03	0.00	8.00	1.25	1.03	0.00
5.45	1.25	1.03	0.00	8.05	1.25	1.03	0.00
5.50	1.25	1.03	0.00	8.10	1.25	1.03	0.00
5.55	1.25	1.03	0.00	8.15	1.25	1.03	0.00
5.60	1.25	1.03	0.00	8.20	1.25	1.03	0.00
5.65	1.25	1.03	0.00	8.25	1.25	1.03	0.00
5.70	1.25	1.03	0.00	8.30	1.25	1.03	0.00
5.75	1.25	1.03	0.00	8.35	1.25	1.03	0.00
5.80	1.25	1.03	0.00	8.40	1.25	1.03	0.00
5.85	1.25	1.03	0.00	8.45	1.25	1.03	0.00
5.90	1.25	1.03	0.00	8.50	1.25	1.03	0.00
5.95	1.25	1.03	0.00	8.55	1.25	1.03	0.00
6.00	1.25	1.03	0.00	8.60	1.25	1.03	0.00
6.05	1.25	1.03	0.00	8.65	1.25	1.03	0.00
6.10	1.25	1.03	0.00	8.70	1.25	1.03	0.00
6.15	1.25	1.03	0.00	8.75	1.25	1.03	0.00
6.20	1.25	1.03	0.00	8.80	1.25	1.03	0.00
6.25	1.25	1.03	0.00	8.85	1.25	1.03	0.00
6.30	1.25	1.03	0.00	8.90	1.25	1.03	0.00
6.35	1.25	1.03	0.00	8.95	1.25	1.03	0.00
6.40	1.25	1.03	0.00	9.00	1.25	1.03	0.00
6.45	1.25	1.03	0.00	9.05	1.25	1.03	0.00
6.50	1.25	1.03	0.00	9.10	1.25	1.03	0.00
6.55	1.25	1.03	0.00	9.15	1.25	1.03	0.00
6.60	1.25	1.03	0.00	9.20	1.25	1.03	0.00
6.65	1.25	1.03	0.00	9.25	1.25	1.03	0.00
6.70	1.25	1.03	0.00	9.30	1.25	1.03	0.00
6.75	1.25	1.03	0.00	9.35	1.25	1.03	0.00
6.80	1.25	1.03	0.00	9.40	1.25	1.03	0.00
6.85	1.25	1.03	0.00	9.45	1.25	1.03	0.00
6.90	1.25	1.03	0.00	9.50	1.25	1.03	0.00
6.95	1.25	1.03	0.00	9.55	1.25	1.03	0.00
7.00	1.25	1.03	0.00	9.60	1.25	1.03	0.00
7.05	1.25	1.03	0.00	9.65	1.25	1.03	0.00
7.10	1.25	1.03	0.00	9.70	1.25	1.03	0.00
7.15	1.25	1.03	0.00	9.75	1.25	1.03	0.00
7.20	1.25	1.03	0.00	9.80	1.25	1.03	0.00
7.25	1.25	1.03	0.00	9.85	1.25	1.03	0.00
7.30	1.25	1.03	0.00	9.90	1.25	1.03	0.00
7.35	1.25	1.03	0.00	9.95	1.25	1.03	0.00
7.40	1.25	1.03	0.00	10.00	1.25	1.03	0.00
7.45	1.25	1.03	0.00	10.05	1.25	1.03	0.00
7.50	1.25	1.03	0.00	10.10	1.25	1.03	0.00
7.55	1.25	1.03	0.00	10.15	1.25	1.03	0.00
7.60	1.25	1.03	0.00	10.20	1.25	1.03	0.00
7.65	1.25	1.03	0.00	10.25	1.25	1.03	0.00
7.70	1.25	1.03	0.00	10.30	1.25	1.03	0.00
7.75	1.25	1.03	0.00	10.35	1.25	1.03	0.00

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	1.03	0.00	13.00	1.25	1.03	0.00
10.45	1.25	1.03	0.00	13.05	1.25	1.03	0.00
10.50	1.25	1.03	0.00	13.10	1.25	1.03	0.00
10.55	1.25	1.03	0.00	13.15	1.25	1.03	0.00
10.60	1.25	1.03	0.00	13.20	1.25	1.03	0.00
10.65	1.25	1.03	0.00	13.25	1.25	1.03	0.00
10.70	1.25	1.03	0.00	13.30	1.25	1.03	0.00
10.75	1.25	1.03	0.00	13.35	1.25	1.03	0.00
10.80	1.25	1.03	0.00	13.40	1.25	1.03	0.00
10.85	1.25	1.03	0.00	13.45	1.25	1.03	0.00
10.90	1.25	1.03	0.00	13.50	1.25	1.03	0.00
10.95	1.25	1.03	0.00	13.55	1.25	1.03	0.00
11.00	1.25	1.03	0.00	13.60	1.25	1.03	0.00
11.05	1.25	1.03	0.00	13.65	1.25	1.03	0.00
11.10	1.25	1.03	0.00	13.70	1.25	1.03	0.00
11.15	1.25	1.03	0.00	13.75	1.25	1.03	0.00
11.20	1.25	1.03	0.00	13.80	1.25	1.03	0.00
11.25	1.25	1.03	0.00	13.85	1.25	1.03	0.00
11.30	1.25	1.03	0.00	13.90	1.25	1.03	0.00
11.35	1.25	1.03	0.00	13.95	1.25	1.03	0.00
11.40	1.25	1.03	0.00	14.00	1.25	1.03	0.00
11.45	1.25	1.03	0.00	14.05	1.25	1.03	0.00
11.50	1.25	1.03	0.00	14.10	1.25	1.03	0.00
11.55	1.25	1.03	0.00	14.15	1.25	1.03	0.00
11.60	1.25	1.03	0.00	14.20	1.25	1.03	0.00
11.65	1.25	1.03	0.00	14.25	1.25	1.03	0.00
11.70	1.25	1.03	0.00	14.30	1.25	1.03	0.00
11.75	1.25	1.03	0.00	14.35	1.25	1.03	0.00
11.80	1.25	1.03	0.00	14.40	1.25	1.03	0.00
11.85	1.25	1.03	0.00	14.45	1.25	1.03	0.00
11.90	1.25	1.03	0.00	14.50	1.25	1.03	0.00
11.95	1.25	1.03	0.00	14.55	1.25	1.03	0.00
12.00	1.25	1.03	0.00	14.60	1.25	1.03	0.00
12.05	1.25	1.03	0.00	14.65	1.25	1.03	0.00
12.10	1.25	1.03	0.00	14.70	1.25	1.03	0.00
12.15	1.25	1.03	0.00	14.75	1.25	1.03	0.00
12.20	1.25	1.03	0.00	14.80	1.25	1.03	0.00
12.25	1.25	1.03	0.00	14.85	1.25	1.03	0.00
12.30	1.25	1.03	0.00	14.90	1.25	1.03	0.00
12.35	1.25	1.03	0.00	14.95	1.25	1.03	0.00
12.40	1.25	1.03	0.00	15.00	1.25	1.03	0.00
12.45	1.25	1.03	0.00	15.05	1.25	1.03	0.00
12.50	1.25	1.03	0.00	15.10	1.25	1.03	0.00
12.55	1.25	1.03	0.00	15.15	1.25	1.03	0.00
12.60	1.25	1.03	0.00	15.20	1.25	1.03	0.00
12.65	1.25	1.03	0.00	15.25	1.25	1.03	0.00
12.70	1.25	1.03	0.00	15.30	1.25	1.03	0.00
12.75	1.25	1.03	0.00	15.35	1.25	1.03	0.00
12.80	1.25	1.03	0.00	15.40	1.25	1.03	0.00
12.85	1.25	1.03	0.00	15.45	1.25	1.03	0.00
12.90	1.25	1.03	0.00	15.50	1.25	1.03	0.00
12.95	1.25	1.03	0.00	15.55	1.25	1.03	0.00

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	1.03	0.00	18.20	1.25	1.03	0.00
15.65	1.25	1.03	0.00	18.25	1.25	1.03	0.00
15.70	1.25	1.03	0.00	18.30	1.25	1.03	0.00
15.75	1.25	1.03	0.00	18.35	1.25	1.03	0.00
15.80	1.25	1.03	0.00	18.40	1.25	1.03	0.00
15.85	1.25	1.03	0.00	18.45	1.25	1.03	0.00
15.90	1.25	1.03	0.00	18.50	1.25	1.03	0.00
15.95	1.25	1.03	0.00	18.55	1.25	1.03	0.00
16.00	1.25	1.03	0.00	18.60	1.25	1.03	0.00
16.05	1.25	1.03	0.00	18.65	1.25	1.03	0.00
16.10	1.25	1.03	0.00	18.70	1.25	1.03	0.00
16.15	1.25	1.03	0.00	18.75	1.25	1.03	0.00
16.20	1.25	1.03	0.00	18.80	1.25	1.03	0.00
16.25	1.25	1.03	0.00	18.85	1.25	1.03	0.00
16.30	1.25	1.03	0.00	18.90	1.25	1.03	0.00
16.35	1.25	1.03	0.00	18.95	1.25	1.03	0.00
16.40	1.25	1.03	0.00	19.00	1.25	1.03	0.00
16.45	1.25	1.03	0.00	19.05	1.25	1.03	0.00
16.50	1.25	1.03	0.00	19.10	1.25	1.03	0.00
16.55	1.25	1.03	0.00	19.15	1.25	1.03	0.00
16.60	1.25	1.03	0.00	19.20	1.25	1.03	0.00
16.65	1.25	1.03	0.00	19.25	1.25	1.03	0.00
16.70	1.25	1.03	0.00	19.30	1.25	1.03	0.00
16.75	1.25	1.03	0.00	19.35	1.25	1.03	0.00
16.80	1.25	1.03	0.00	19.40	1.25	1.03	0.00
16.85	1.25	1.03	0.00	19.45	1.25	1.03	0.00
16.90	1.25	1.03	0.00	19.50	1.25	1.03	0.00
16.95	1.25	1.03	0.00	19.55	1.25	1.03	0.00
17.00	1.25	1.03	0.00	19.60	1.25	1.03	0.00
17.05	1.25	1.03	0.00	19.65	1.25	1.03	0.00
17.10	1.25	1.03	0.00	19.70	1.25	1.03	0.00
17.15	1.25	1.03	0.00	19.75	1.25	1.03	0.00
17.20	1.25	1.03	0.00	19.80	1.25	1.03	0.00
17.25	1.25	1.03	0.00	19.85	1.25	1.03	0.00
17.30	1.25	1.03	0.00	19.90	1.25	1.03	0.00
17.35	1.25	1.03	0.00	19.95	1.25	1.03	0.00
17.40	1.25	1.03	0.00	20.00	1.25	1.03	0.00
17.45	1.25	1.03	0.00	20.05	1.25	1.03	0.00
17.50	1.25	1.03	0.00	20.10	1.25	1.03	0.00
17.55	1.25	1.03	0.00	20.15	1.25	1.03	0.00
17.60	1.25	1.03	0.00	20.20	1.25	1.03	0.00
17.65	1.25	1.03	0.00	20.25	1.25	1.03	0.00
17.70	1.25	1.03	0.00	20.30	1.25	1.03	0.00
17.75	1.25	1.03	0.00	20.35	1.25	1.03	0.00
17.80	1.25	1.03	0.00	20.40	1.25	1.03	0.00
17.85	1.25	1.03	0.00	20.45	1.25	1.03	0.00
17.90	1.25	1.03	0.00	20.50	1.25	1.03	0.00
17.95	1.25	1.03	0.00	20.55	1.25	1.03	0.00
18.00	1.25	1.03	0.00	20.60	1.25	1.03	0.00
18.05	1.25	1.03	0.00	20.65	1.25	1.03	0.00
18.10	1.25	1.03	0.00	20.70	1.25	1.03	0.00
18.15	1.25	1.03	0.00	20.75	1.25	1.03	0.00

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	1.03	0.00	23.40	1.25	1.03	0.00
20.85	1.25	1.03	0.00	23.45	1.25	1.03	0.00
20.90	1.25	1.03	0.00	23.50	1.25	1.03	0.00
20.95	1.25	1.03	0.00	23.55	1.25	1.03	0.00
21.00	1.25	1.03	0.00	23.60	1.25	1.03	0.00
21.05	1.25	1.03	0.00	23.65	1.25	1.03	0.00
21.10	1.25	1.03	0.00	23.70	1.25	1.03	0.00
21.15	1.25	1.03	0.00	23.75	1.25	1.03	0.00
21.20	1.25	1.03	0.00	23.80	1.25	1.03	0.00
21.25	1.25	1.03	0.00	23.85	1.25	1.03	0.00
21.30	1.25	1.03	0.00	23.90	1.25	1.03	0.00
21.35	1.25	1.03	0.00	23.95	1.25	1.03	0.00
21.40	1.25	1.03	0.00	24.00	1.25	1.03	0.00
21.45	1.25	1.03	0.00	24.05	1.25	1.03	0.00
21.50	1.25	1.03	0.00	24.10	1.25	1.03	0.00
21.55	1.25	1.03	0.00	24.15	1.25	1.03	0.00
21.60	1.25	1.03	0.00	24.20	1.25	1.03	0.00
21.65	1.25	1.03	0.00	24.25	1.25	1.03	0.00
21.70	1.25	1.03	0.00	24.30	1.25	1.03	0.00
21.75	1.25	1.03	0.00	24.35	1.25	1.03	0.00
21.80	1.25	1.03	0.00	24.40	1.25	1.03	0.00
21.85	1.25	1.03	0.00	24.45	1.25	1.03	0.00
21.90	1.25	1.03	0.00	24.50	1.25	1.03	0.00
21.95	1.25	1.03	0.00	24.55	1.25	1.03	0.00
22.00	1.25	1.03	0.00	24.60	1.25	1.03	0.00
22.05	1.25	1.03	0.00	24.65	1.25	1.03	0.00
22.10	1.25	1.03	0.00	24.70	1.25	1.03	0.00
22.15	1.25	1.03	0.00	24.75	1.25	1.03	0.00
22.20	1.25	1.03	0.00	24.80	1.25	1.03	0.00
22.25	1.25	1.03	0.00	24.85	1.25	1.03	0.00
22.30	1.25	1.03	0.00	24.90	1.25	1.03	0.00
22.35	1.25	1.03	0.00	24.95	1.25	1.03	0.00
22.40	1.25	1.03	0.00	25.00	1.25	1.03	0.00
22.45	1.25	1.03	0.00	25.05	1.25	1.03	0.00
22.50	1.25	1.03	0.00	25.10	1.25	1.03	0.00
22.55	1.25	1.03	0.00	25.15	1.25	1.03	0.00
22.60	1.25	1.03	0.00	25.20	1.25	1.03	0.00
22.65	1.25	1.03	0.00	25.25	1.25	1.03	0.00
22.70	1.25	1.03	0.00	25.30	1.25	1.03	0.00
22.75	1.25	1.03	0.00	25.35	1.25	1.03	0.00
22.80	1.25	1.03	0.00	25.40	1.25	1.03	0.00
22.85	1.25	1.03	0.00	25.45	1.25	1.03	0.00
22.90	1.25	1.03	0.00	25.50	1.25	1.03	0.00
22.95	1.25	1.03	0.00	25.55	1.25	1.03	0.00
23.00	1.25	1.03	0.00	25.60	1.25	1.03	0.00
23.05	1.25	1.03	0.00	25.65	1.25	1.03	0.00
23.10	1.25	1.03	0.00	25.70	1.25	1.03	0.00
23.15	1.25	1.03	0.00	25.75	1.25	1.03	0.00
23.20	1.25	1.03	0.00	25.80	1.25	1.03	0.00
23.25	1.25	1.03	0.00	25.85	1.25	1.03	0.00
23.30	1.25	1.03	0.00	25.90	1.25	1.03	0.00
23.35	1.25	1.03	0.00	25.95	1.25	1.03	0.00

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00	30.05	1.25	1.03	0.00
27.50	1.25	1.03	0.00	30.10	1.25	1.03	0.00
27.55	1.25	1.03	0.00	30.15	1.25	1.03	0.00
27.60	1.25	1.03	0.00	30.20	1.25	1.03	0.00
27.65	1.25	1.03	0.00	30.25	1.25	1.03	0.00
27.70	1.25	1.03	0.00	30.30	1.25	1.03	0.00
27.75	1.25	1.03	0.00	30.35	1.25	1.03	0.00
27.80	1.25	1.03	0.00	30.40	1.25	1.03	0.00
27.85	1.25	1.03	0.00	30.45	1.25	1.03	0.00
27.90	1.25	1.03	0.00	30.50	1.25	1.03	0.00
27.95	1.25	1.03	0.00	30.55	1.25	1.03	0.00
28.00	1.25	1.03	0.00	30.60	1.25	1.03	0.00
28.05	1.25	1.03	0.00	30.65	1.25	1.03	0.00
28.10	1.25	1.03	0.00	30.70	1.25	1.03	0.00
28.15	1.25	1.03	0.00	30.75	1.25	1.03	0.00
28.20	1.25	1.03	0.00	30.80	1.25	1.03	0.00
28.25	1.25	1.03	0.00	30.85	1.25	1.03	0.00
28.30	1.25	1.03	0.00	30.90	1.25	1.03	0.00
28.35	1.25	1.03	0.00	30.95	1.25	1.03	0.00
28.40	1.25	1.03	0.00	31.00	1.25	1.03	0.00
28.45	1.25	1.03	0.00	31.05	1.25	1.03	0.00
28.50	1.25	1.03	0.00	31.10	1.25	1.03	0.00
28.55	1.25	1.03	0.00	31.15	1.25	1.03	0.00

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	1.03	0.00	33.80	1.25	1.03	0.00
31.25	1.25	1.03	0.00	33.85	1.25	1.03	0.00
31.30	1.25	1.03	0.00	33.90	1.25	1.03	0.00
31.35	1.25	1.03	0.00	33.95	1.25	1.03	0.00
31.40	1.25	1.03	0.00	34.00	1.25	1.03	0.00
31.45	1.25	1.03	0.00	34.05	1.25	1.03	0.00
31.50	1.25	1.03	0.00	34.10	1.25	1.03	0.00
31.55	1.25	1.03	0.00	34.15	1.25	1.03	0.00
31.60	1.25	1.03	0.00	34.20	1.25	1.03	0.00
31.65	1.25	1.03	0.00	34.25	1.25	1.03	0.00
31.70	1.25	1.03	0.00	34.30	1.25	1.03	0.00
31.75	1.25	1.03	0.00	34.35	1.25	1.03	0.00
31.80	1.25	1.03	0.00	34.40	1.25	1.03	0.00
31.85	1.25	1.03	0.00	34.45	1.25	1.03	0.00
31.90	1.25	1.03	0.00	34.50	1.25	1.03	0.00
31.95	1.25	1.03	0.00	34.55	1.25	1.03	0.00
32.00	1.25	1.03	0.00	34.60	1.25	1.03	0.00
32.05	1.25	1.03	0.00	34.65	1.25	1.03	0.00
32.10	1.25	1.03	0.00	34.70	1.25	1.03	0.00
32.15	1.25	1.03	0.00	34.75	1.25	1.03	0.00
32.20	1.25	1.03	0.00	34.80	1.25	1.03	0.00
32.25	1.25	1.03	0.00	34.85	1.25	1.03	0.00
32.30	1.25	1.03	0.00	34.90	1.25	1.03	0.00
32.35	1.25	1.03	0.00	34.95	1.25	1.03	0.00
32.40	1.25	1.03	0.00	35.00	1.25	1.03	0.00
32.45	1.25	1.03	0.00	35.05	1.25	1.03	0.00
32.50	1.25	1.03	0.00	35.10	1.25	1.03	0.00
32.55	1.25	1.03	0.00	35.15	1.25	1.03	0.00
32.60	1.25	1.03	0.00	35.20	1.25	1.03	0.00
32.65	1.25	1.03	0.00	35.25	1.25	1.03	0.00
32.70	1.25	1.03	0.00	35.30	1.25	1.03	0.00
32.75	1.25	1.03	0.00	35.35	1.25	1.03	0.00
32.80	1.25	1.03	0.00	35.40	1.25	1.03	0.00
32.85	1.25	1.03	0.00	35.45	1.25	1.03	0.00
32.90	1.25	1.03	0.00	35.50	1.25	1.03	0.00
32.95	1.25	1.03	0.00	35.55	1.25	1.03	0.00
33.00	1.25	1.03	0.00	35.60	1.25	1.03	0.00
33.05	1.25	1.03	0.00	35.65	1.25	1.03	0.00
33.10	1.25	1.03	0.00	35.70	1.25	1.03	0.00
33.15	1.25	1.03	0.00	35.75	1.25	1.03	0.00
33.20	1.25	1.03	0.00	35.80	1.25	1.03	0.00
33.25	1.25	1.03	0.00	35.85	1.25	1.03	0.00
33.30	1.25	1.03	0.00	35.90	1.25	1.03	0.00
33.35	1.25	1.03	0.00	35.95	1.25	1.03	0.00
33.40	1.25	1.03	0.00	36.00	1.25	1.03	0.00
33.45	1.25	1.03	0.00	36.05	1.25	1.03	0.00
33.50	1.25	1.03	0.00	36.10	1.25	1.03	0.00
33.55	1.25	1.03	0.00	36.15	1.25	1.03	0.00
33.60	1.25	1.03	0.00	36.20	1.25	1.03	0.00
33.65	1.25	1.03	0.00	36.25	1.25	1.03	0.00
33.70	1.25	1.03	0.00	36.30	1.25	1.03	0.00
33.75	1.25	1.03	0.00	36.35	1.25	1.03	0.00

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	1.03	0.00
36.45	1.25	1.03	0.00
36.50	1.25	1.03	0.00
36.55	1.25	1.03	0.00
36.60	1.25	1.03	0.00
36.65	1.25	1.03	0.00
36.70	1.25	1.03	0.00
36.75	1.25	1.03	0.00
36.80	1.25	1.03	0.00
36.85	1.25	1.03	0.00
36.90	1.25	1.03	0.00
36.95	1.25	1.03	0.00
37.00	1.25	1.03	0.00
37.05	1.25	1.03	0.00
37.10	1.25	1.03	0.00
37.15	1.25	1.03	0.00
37.20	1.25	1.03	0.00
37.25	1.25	1.03	0.00
37.30	1.25	1.03	0.00
37.35	1.25	1.03	0.00
37.40	1.25	1.03	0.00
37.45	1.25	1.03	0.00
37.50	1.25	1.03	0.00
37.55	1.25	1.03	0.00
37.60	1.25	1.03	0.00
37.65	1.25	1.03	0.00
37.70	1.25	1.03	0.00
37.75	1.25	1.03	0.00
37.80	1.25	1.03	0.00
37.85	1.25	1.03	0.00
37.90	1.25	1.03	0.00
37.95	1.25	1.03	0.00
38.00	1.25	1.03	0.00
38.05	1.25	1.03	0.00
38.10	1.25	1.03	0.00
38.15	1.25	1.03	0.00
38.20	1.25	1.03	0.00
38.25	1.25	1.03	0.00
38.30	1.25	1.03	0.00
38.35	1.25	1.03	0.00
38.40	1.25	1.03	0.00
38.45	1.25	1.03	0.00
38.50	1.25	1.03	0.00
38.55	1.25	1.03	0.00
38.60	1.25	1.03	0.00
38.65	1.25	1.03	0.00
38.70	1.25	1.03	0.00
38.75	1.25	1.03	0.00
38.80	1.25	1.03	0.00
38.85	1.25	1.03	0.00
38.90	1.25	1.03	0.00
38.95	1.25	1.03	0.00
39.00	1.25	1.03	0.00
39.05	1.25	1.03	0.00
39.10	1.25	1.03	0.00
39.15	1.25	1.03	0.00
39.20	1.25	1.03	0.00
39.25	1.25	1.03	0.00
39.30	1.25	1.03	0.00
39.35	1.25	1.03	0.00
39.40	1.25	1.03	0.00
39.45	1.25	1.03	0.00
39.50	1.25	1.03	0.00
39.55	1.25	1.03	0.00
39.60	1.25	1.03	0.00
39.65	1.25	1.03	0.00
39.70	1.25	1.03	0.00
39.75	1.25	1.03	0.00
39.80	1.25	1.03	0.00
39.85	1.25	1.03	0.00
39.90	1.25	1.03	0.00
39.95	1.25	1.03	0.00
40.00	1.25	1.03	0.00

Summary for Subcatchment 54P: PDA-54 (pervious)

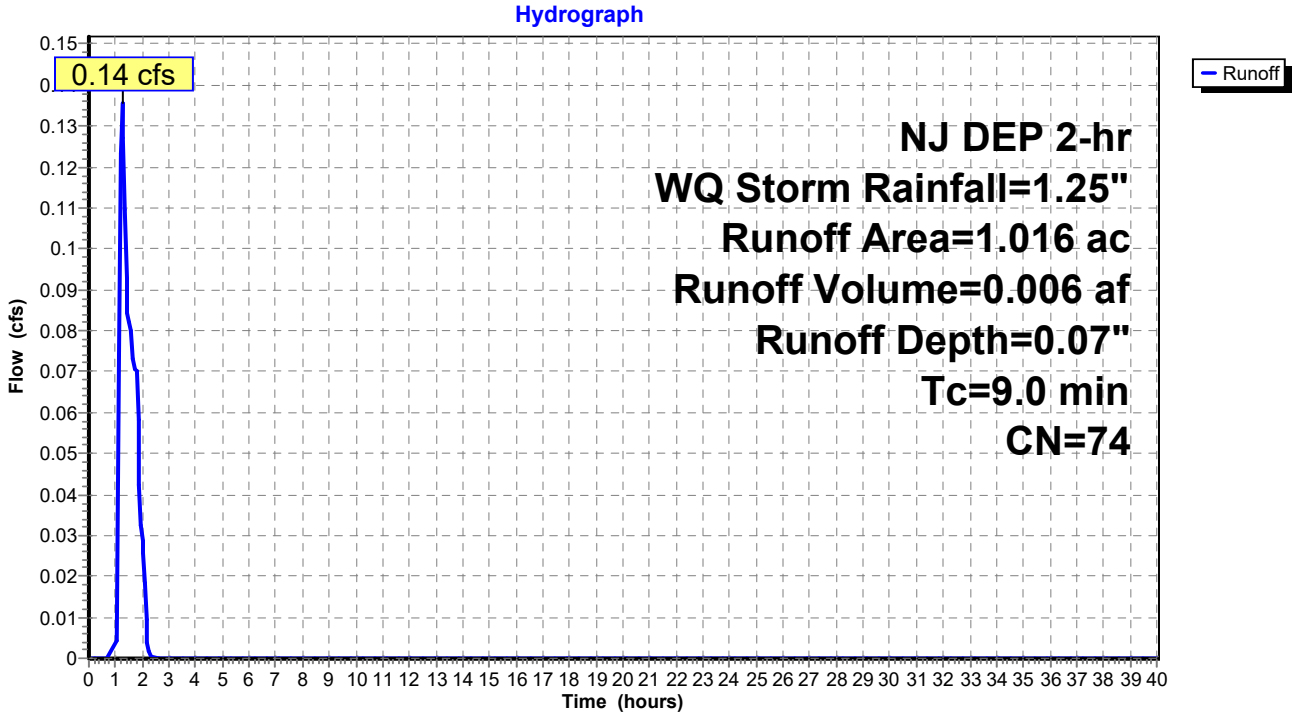
Runoff = 0.14 cfs @ 1.25 hrs, Volume= 0.006 af, Depth= 0.07"
Routed to Pond B-54 : Basin #54

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
1.016	74	>75% Grass cover, Good, HSG C
1.016		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.0					**Direct Entry,**

Subcatchment 54P: PDA-54 (pervious)



Hydrograph for Subcatchment 54P: PDA-54 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.07	0.00
1.10	0.91	0.01	0.02	3.70	1.25	0.07	0.00
1.15	0.97	0.02	0.07	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.12	3.80	1.25	0.07	0.00
1.25	1.05	0.03	**0.14**	3.85	1.25	0.07	0.00
1.30	1.07	0.03	0.13	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.11	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.09	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.08	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.08	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.08	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.08	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.07	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.07	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.07	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.07	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.06	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.04	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.03	4.55	1.25	0.07	0.00
2.00	**1.25**	**0.07**	0.03	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.03	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.02	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.01	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.00	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.00	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.00	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00
36.45	1.25	0.07	0.00
36.50	1.25	0.07	0.00
36.55	1.25	0.07	0.00
36.60	1.25	0.07	0.00
36.65	1.25	0.07	0.00
36.70	1.25	0.07	0.00
36.75	1.25	0.07	0.00
36.80	1.25	0.07	0.00
36.85	1.25	0.07	0.00
36.90	1.25	0.07	0.00
36.95	1.25	0.07	0.00
37.00	1.25	0.07	0.00
37.05	1.25	0.07	0.00
37.10	1.25	0.07	0.00
37.15	1.25	0.07	0.00
37.20	1.25	0.07	0.00
37.25	1.25	0.07	0.00
37.30	1.25	0.07	0.00
37.35	1.25	0.07	0.00
37.40	1.25	0.07	0.00
37.45	1.25	0.07	0.00
37.50	1.25	0.07	0.00
37.55	1.25	0.07	0.00
37.60	1.25	0.07	0.00
37.65	1.25	0.07	0.00
37.70	1.25	0.07	0.00
37.75	1.25	0.07	0.00
37.80	1.25	0.07	0.00
37.85	1.25	0.07	0.00
37.90	1.25	0.07	0.00
37.95	1.25	0.07	0.00
38.00	1.25	0.07	0.00
38.05	1.25	0.07	0.00
38.10	1.25	0.07	0.00
38.15	1.25	0.07	0.00
38.20	1.25	0.07	0.00
38.25	1.25	0.07	0.00
38.30	1.25	0.07	0.00
38.35	1.25	0.07	0.00
38.40	1.25	0.07	0.00
38.45	1.25	0.07	0.00
38.50	1.25	0.07	0.00
38.55	1.25	0.07	0.00
38.60	1.25	0.07	0.00
38.65	1.25	0.07	0.00
38.70	1.25	0.07	0.00
38.75	1.25	0.07	0.00
38.80	1.25	0.07	0.00
38.85	1.25	0.07	0.00
38.90	1.25	0.07	0.00
38.95	1.25	0.07	0.00
39.00	1.25	0.07	0.00
39.05	1.25	0.07	0.00
39.10	1.25	0.07	0.00
39.15	1.25	0.07	0.00
39.20	1.25	0.07	0.00
39.25	1.25	0.07	0.00
39.30	1.25	0.07	0.00
39.35	1.25	0.07	0.00
39.40	1.25	0.07	0.00
39.45	1.25	0.07	0.00
39.50	1.25	0.07	0.00
39.55	1.25	0.07	0.00
39.60	1.25	0.07	0.00
39.65	1.25	0.07	0.00
39.70	1.25	0.07	0.00
39.75	1.25	0.07	0.00
39.80	1.25	0.07	0.00
39.85	1.25	0.07	0.00
39.90	1.25	0.07	0.00
39.95	1.25	0.07	0.00
40.00	1.25	0.07	0.00

Summary for Subcatchment 55l: PDA-55 (impervious)

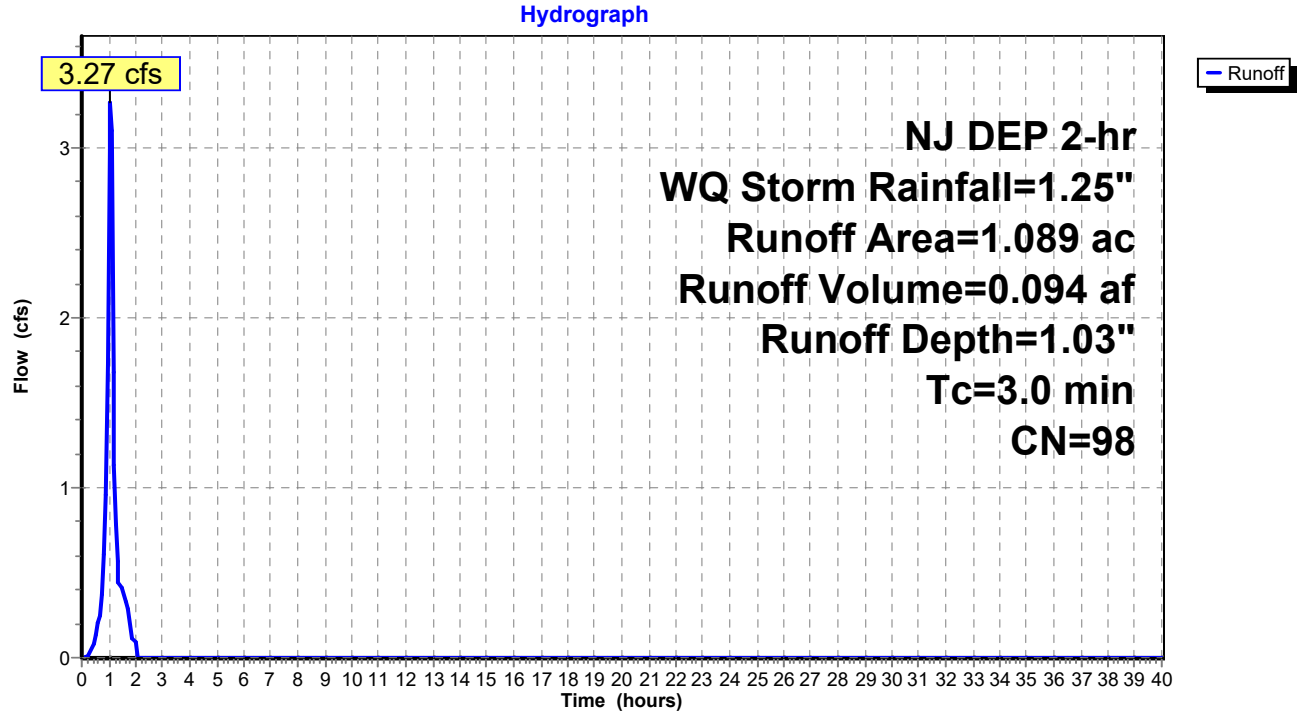
Runoff = 3.27 cfs @ 1.06 hrs, Volume= 0.094 af, Depth= 1.03"
Routed to Pond B-55 : Basin #55

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

	Area (ac)	CN	Description
*	0.467	98	Pavement, HSG C
*	0.574	98	Roof, HSG C
*	0.048	98	Concrete, HSG C
	1.089	98	Weighted Average
	1.089		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.0					**Direct Entry,**

Subcatchment 55l: PDA-55 (impervious)



Hydrograph for Subcatchment 55I: PDA-55 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	1.03	0.00
0.05	0.00	0.00	0.00	2.65	1.25	1.03	0.00
0.10	0.01	0.00	0.00	2.70	1.25	1.03	0.00
0.15	0.01	0.00	0.00	2.75	1.25	1.03	0.00
0.20	0.02	0.00	0.00	2.80	1.25	1.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	1.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	1.03	0.00
0.35	0.06	0.00	0.01	2.95	1.25	1.03	0.00
0.40	0.07	0.00	0.04	3.00	1.25	1.03	0.00
0.45	0.09	0.01	0.08	3.05	1.25	1.03	0.00
0.50	0.10	0.01	0.11	3.10	1.25	1.03	0.00
0.55	0.12	0.02	0.16	3.15	1.25	1.03	0.00
0.60	0.14	0.03	0.21	3.20	1.25	1.03	0.00
0.65	0.16	0.04	0.24	3.25	1.25	1.03	0.00
0.70	0.18	0.06	0.26	3.30	1.25	1.03	0.00
0.75	0.20	0.07	0.29	3.35	1.25	1.03	0.00
0.80	0.23	0.09	0.44	3.40	1.25	1.03	0.00
0.85	0.28	0.13	0.61	3.45	1.25	1.03	0.00
0.90	0.34	0.18	0.96	3.50	1.25	1.03	0.00
0.95	0.46	0.29	1.73	3.55	1.25	1.03	0.00
1.00	0.63	0.43	2.99	3.60	1.25	1.03	0.00
1.05	0.79	0.58	**3.26**	3.65	1.25	1.03	0.00
1.10	0.91	0.71	3.10	3.70	1.25	1.03	0.00
1.15	0.97	0.76	1.68	3.75	1.25	1.03	0.00
1.20	1.02	0.81	1.13	3.80	1.25	1.03	0.00
1.25	1.05	0.84	0.79	3.85	1.25	1.03	0.00
1.30	1.07	0.86	0.56	3.90	1.25	1.03	0.00
1.35	1.09	0.88	0.45	3.95	1.25	1.03	0.00
1.40	1.11	0.90	0.43	4.00	1.25	1.03	0.00
1.45	1.13	0.92	0.42	4.05	1.25	1.03	0.00
1.50	1.15	0.94	0.42	4.10	1.25	1.03	0.00
1.55	1.17	0.95	0.36	4.15	1.25	1.03	0.00
1.60	1.18	0.97	0.33	4.20	1.25	1.03	0.00
1.65	1.20	0.98	0.32	4.25	1.25	1.03	0.00
1.70	1.21	1.00	0.32	4.30	1.25	1.03	0.00
1.75	1.23	1.01	0.32	4.35	1.25	1.03	0.00
1.80	1.23	1.02	0.19	4.40	1.25	1.03	0.00
1.85	1.24	1.02	0.12	4.45	1.25	1.03	0.00
1.90	1.24	1.02	0.11	4.50	1.25	1.03	0.00
1.95	1.25	1.03	0.11	4.55	1.25	1.03	0.00
2.00	**1.25**	**1.03**	0.11	4.60	1.25	1.03	0.00
2.05	1.25	1.03	0.04	4.65	1.25	1.03	0.00
2.10	1.25	1.03	0.00	4.70	1.25	1.03	0.00
2.15	1.25	1.03	0.00	4.75	1.25	1.03	0.00
2.20	1.25	1.03	0.00	4.80	1.25	1.03	0.00
2.25	1.25	1.03	0.00	4.85	1.25	1.03	0.00
2.30	1.25	1.03	0.00	4.90	1.25	1.03	0.00
2.35	1.25	1.03	0.00	4.95	1.25	1.03	0.00
2.40	1.25	1.03	0.00	5.00	1.25	1.03	0.00
2.45	1.25	1.03	0.00	5.05	1.25	1.03	0.00
2.50	1.25	1.03	0.00	5.10	1.25	1.03	0.00
2.55	1.25	1.03	0.00	5.15	1.25	1.03	0.00

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	1.03	0.00	7.80	1.25	1.03	0.00
5.25	1.25	1.03	0.00	7.85	1.25	1.03	0.00
5.30	1.25	1.03	0.00	7.90	1.25	1.03	0.00
5.35	1.25	1.03	0.00	7.95	1.25	1.03	0.00
5.40	1.25	1.03	0.00	8.00	1.25	1.03	0.00
5.45	1.25	1.03	0.00	8.05	1.25	1.03	0.00
5.50	1.25	1.03	0.00	8.10	1.25	1.03	0.00
5.55	1.25	1.03	0.00	8.15	1.25	1.03	0.00
5.60	1.25	1.03	0.00	8.20	1.25	1.03	0.00
5.65	1.25	1.03	0.00	8.25	1.25	1.03	0.00
5.70	1.25	1.03	0.00	8.30	1.25	1.03	0.00
5.75	1.25	1.03	0.00	8.35	1.25	1.03	0.00
5.80	1.25	1.03	0.00	8.40	1.25	1.03	0.00
5.85	1.25	1.03	0.00	8.45	1.25	1.03	0.00
5.90	1.25	1.03	0.00	8.50	1.25	1.03	0.00
5.95	1.25	1.03	0.00	8.55	1.25	1.03	0.00
6.00	1.25	1.03	0.00	8.60	1.25	1.03	0.00
6.05	1.25	1.03	0.00	8.65	1.25	1.03	0.00
6.10	1.25	1.03	0.00	8.70	1.25	1.03	0.00
6.15	1.25	1.03	0.00	8.75	1.25	1.03	0.00
6.20	1.25	1.03	0.00	8.80	1.25	1.03	0.00
6.25	1.25	1.03	0.00	8.85	1.25	1.03	0.00
6.30	1.25	1.03	0.00	8.90	1.25	1.03	0.00
6.35	1.25	1.03	0.00	8.95	1.25	1.03	0.00
6.40	1.25	1.03	0.00	9.00	1.25	1.03	0.00
6.45	1.25	1.03	0.00	9.05	1.25	1.03	0.00
6.50	1.25	1.03	0.00	9.10	1.25	1.03	0.00
6.55	1.25	1.03	0.00	9.15	1.25	1.03	0.00
6.60	1.25	1.03	0.00	9.20	1.25	1.03	0.00
6.65	1.25	1.03	0.00	9.25	1.25	1.03	0.00
6.70	1.25	1.03	0.00	9.30	1.25	1.03	0.00
6.75	1.25	1.03	0.00	9.35	1.25	1.03	0.00
6.80	1.25	1.03	0.00	9.40	1.25	1.03	0.00
6.85	1.25	1.03	0.00	9.45	1.25	1.03	0.00
6.90	1.25	1.03	0.00	9.50	1.25	1.03	0.00
6.95	1.25	1.03	0.00	9.55	1.25	1.03	0.00
7.00	1.25	1.03	0.00	9.60	1.25	1.03	0.00
7.05	1.25	1.03	0.00	9.65	1.25	1.03	0.00
7.10	1.25	1.03	0.00	9.70	1.25	1.03	0.00
7.15	1.25	1.03	0.00	9.75	1.25	1.03	0.00
7.20	1.25	1.03	0.00	9.80	1.25	1.03	0.00
7.25	1.25	1.03	0.00	9.85	1.25	1.03	0.00
7.30	1.25	1.03	0.00	9.90	1.25	1.03	0.00
7.35	1.25	1.03	0.00	9.95	1.25	1.03	0.00
7.40	1.25	1.03	0.00	10.00	1.25	1.03	0.00
7.45	1.25	1.03	0.00	10.05	1.25	1.03	0.00
7.50	1.25	1.03	0.00	10.10	1.25	1.03	0.00
7.55	1.25	1.03	0.00	10.15	1.25	1.03	0.00
7.60	1.25	1.03	0.00	10.20	1.25	1.03	0.00
7.65	1.25	1.03	0.00	10.25	1.25	1.03	0.00
7.70	1.25	1.03	0.00	10.30	1.25	1.03	0.00
7.75	1.25	1.03	0.00	10.35	1.25	1.03	0.00

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	1.03	0.00	13.00	1.25	1.03	0.00
10.45	1.25	1.03	0.00	13.05	1.25	1.03	0.00
10.50	1.25	1.03	0.00	13.10	1.25	1.03	0.00
10.55	1.25	1.03	0.00	13.15	1.25	1.03	0.00
10.60	1.25	1.03	0.00	13.20	1.25	1.03	0.00
10.65	1.25	1.03	0.00	13.25	1.25	1.03	0.00
10.70	1.25	1.03	0.00	13.30	1.25	1.03	0.00
10.75	1.25	1.03	0.00	13.35	1.25	1.03	0.00
10.80	1.25	1.03	0.00	13.40	1.25	1.03	0.00
10.85	1.25	1.03	0.00	13.45	1.25	1.03	0.00
10.90	1.25	1.03	0.00	13.50	1.25	1.03	0.00
10.95	1.25	1.03	0.00	13.55	1.25	1.03	0.00
11.00	1.25	1.03	0.00	13.60	1.25	1.03	0.00
11.05	1.25	1.03	0.00	13.65	1.25	1.03	0.00
11.10	1.25	1.03	0.00	13.70	1.25	1.03	0.00
11.15	1.25	1.03	0.00	13.75	1.25	1.03	0.00
11.20	1.25	1.03	0.00	13.80	1.25	1.03	0.00
11.25	1.25	1.03	0.00	13.85	1.25	1.03	0.00
11.30	1.25	1.03	0.00	13.90	1.25	1.03	0.00
11.35	1.25	1.03	0.00	13.95	1.25	1.03	0.00
11.40	1.25	1.03	0.00	14.00	1.25	1.03	0.00
11.45	1.25	1.03	0.00	14.05	1.25	1.03	0.00
11.50	1.25	1.03	0.00	14.10	1.25	1.03	0.00
11.55	1.25	1.03	0.00	14.15	1.25	1.03	0.00
11.60	1.25	1.03	0.00	14.20	1.25	1.03	0.00
11.65	1.25	1.03	0.00	14.25	1.25	1.03	0.00
11.70	1.25	1.03	0.00	14.30	1.25	1.03	0.00
11.75	1.25	1.03	0.00	14.35	1.25	1.03	0.00
11.80	1.25	1.03	0.00	14.40	1.25	1.03	0.00
11.85	1.25	1.03	0.00	14.45	1.25	1.03	0.00
11.90	1.25	1.03	0.00	14.50	1.25	1.03	0.00
11.95	1.25	1.03	0.00	14.55	1.25	1.03	0.00
12.00	1.25	1.03	0.00	14.60	1.25	1.03	0.00
12.05	1.25	1.03	0.00	14.65	1.25	1.03	0.00
12.10	1.25	1.03	0.00	14.70	1.25	1.03	0.00
12.15	1.25	1.03	0.00	14.75	1.25	1.03	0.00
12.20	1.25	1.03	0.00	14.80	1.25	1.03	0.00
12.25	1.25	1.03	0.00	14.85	1.25	1.03	0.00
12.30	1.25	1.03	0.00	14.90	1.25	1.03	0.00
12.35	1.25	1.03	0.00	14.95	1.25	1.03	0.00
12.40	1.25	1.03	0.00	15.00	1.25	1.03	0.00
12.45	1.25	1.03	0.00	15.05	1.25	1.03	0.00
12.50	1.25	1.03	0.00	15.10	1.25	1.03	0.00
12.55	1.25	1.03	0.00	15.15	1.25	1.03	0.00
12.60	1.25	1.03	0.00	15.20	1.25	1.03	0.00
12.65	1.25	1.03	0.00	15.25	1.25	1.03	0.00
12.70	1.25	1.03	0.00	15.30	1.25	1.03	0.00
12.75	1.25	1.03	0.00	15.35	1.25	1.03	0.00
12.80	1.25	1.03	0.00	15.40	1.25	1.03	0.00
12.85	1.25	1.03	0.00	15.45	1.25	1.03	0.00
12.90	1.25	1.03	0.00	15.50	1.25	1.03	0.00
12.95	1.25	1.03	0.00	15.55	1.25	1.03	0.00

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	1.03	0.00	18.20	1.25	1.03	0.00
15.65	1.25	1.03	0.00	18.25	1.25	1.03	0.00
15.70	1.25	1.03	0.00	18.30	1.25	1.03	0.00
15.75	1.25	1.03	0.00	18.35	1.25	1.03	0.00
15.80	1.25	1.03	0.00	18.40	1.25	1.03	0.00
15.85	1.25	1.03	0.00	18.45	1.25	1.03	0.00
15.90	1.25	1.03	0.00	18.50	1.25	1.03	0.00
15.95	1.25	1.03	0.00	18.55	1.25	1.03	0.00
16.00	1.25	1.03	0.00	18.60	1.25	1.03	0.00
16.05	1.25	1.03	0.00	18.65	1.25	1.03	0.00
16.10	1.25	1.03	0.00	18.70	1.25	1.03	0.00
16.15	1.25	1.03	0.00	18.75	1.25	1.03	0.00
16.20	1.25	1.03	0.00	18.80	1.25	1.03	0.00
16.25	1.25	1.03	0.00	18.85	1.25	1.03	0.00
16.30	1.25	1.03	0.00	18.90	1.25	1.03	0.00
16.35	1.25	1.03	0.00	18.95	1.25	1.03	0.00
16.40	1.25	1.03	0.00	19.00	1.25	1.03	0.00
16.45	1.25	1.03	0.00	19.05	1.25	1.03	0.00
16.50	1.25	1.03	0.00	19.10	1.25	1.03	0.00
16.55	1.25	1.03	0.00	19.15	1.25	1.03	0.00
16.60	1.25	1.03	0.00	19.20	1.25	1.03	0.00
16.65	1.25	1.03	0.00	19.25	1.25	1.03	0.00
16.70	1.25	1.03	0.00	19.30	1.25	1.03	0.00
16.75	1.25	1.03	0.00	19.35	1.25	1.03	0.00
16.80	1.25	1.03	0.00	19.40	1.25	1.03	0.00
16.85	1.25	1.03	0.00	19.45	1.25	1.03	0.00
16.90	1.25	1.03	0.00	19.50	1.25	1.03	0.00
16.95	1.25	1.03	0.00	19.55	1.25	1.03	0.00
17.00	1.25	1.03	0.00	19.60	1.25	1.03	0.00
17.05	1.25	1.03	0.00	19.65	1.25	1.03	0.00
17.10	1.25	1.03	0.00	19.70	1.25	1.03	0.00
17.15	1.25	1.03	0.00	19.75	1.25	1.03	0.00
17.20	1.25	1.03	0.00	19.80	1.25	1.03	0.00
17.25	1.25	1.03	0.00	19.85	1.25	1.03	0.00
17.30	1.25	1.03	0.00	19.90	1.25	1.03	0.00
17.35	1.25	1.03	0.00	19.95	1.25	1.03	0.00
17.40	1.25	1.03	0.00	20.00	1.25	1.03	0.00
17.45	1.25	1.03	0.00	20.05	1.25	1.03	0.00
17.50	1.25	1.03	0.00	20.10	1.25	1.03	0.00
17.55	1.25	1.03	0.00	20.15	1.25	1.03	0.00
17.60	1.25	1.03	0.00	20.20	1.25	1.03	0.00
17.65	1.25	1.03	0.00	20.25	1.25	1.03	0.00
17.70	1.25	1.03	0.00	20.30	1.25	1.03	0.00
17.75	1.25	1.03	0.00	20.35	1.25	1.03	0.00
17.80	1.25	1.03	0.00	20.40	1.25	1.03	0.00
17.85	1.25	1.03	0.00	20.45	1.25	1.03	0.00
17.90	1.25	1.03	0.00	20.50	1.25	1.03	0.00
17.95	1.25	1.03	0.00	20.55	1.25	1.03	0.00
18.00	1.25	1.03	0.00	20.60	1.25	1.03	0.00
18.05	1.25	1.03	0.00	20.65	1.25	1.03	0.00
18.10	1.25	1.03	0.00	20.70	1.25	1.03	0.00
18.15	1.25	1.03	0.00	20.75	1.25	1.03	0.00

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	1.03	0.00	23.40	1.25	1.03	0.00
20.85	1.25	1.03	0.00	23.45	1.25	1.03	0.00
20.90	1.25	1.03	0.00	23.50	1.25	1.03	0.00
20.95	1.25	1.03	0.00	23.55	1.25	1.03	0.00
21.00	1.25	1.03	0.00	23.60	1.25	1.03	0.00
21.05	1.25	1.03	0.00	23.65	1.25	1.03	0.00
21.10	1.25	1.03	0.00	23.70	1.25	1.03	0.00
21.15	1.25	1.03	0.00	23.75	1.25	1.03	0.00
21.20	1.25	1.03	0.00	23.80	1.25	1.03	0.00
21.25	1.25	1.03	0.00	23.85	1.25	1.03	0.00
21.30	1.25	1.03	0.00	23.90	1.25	1.03	0.00
21.35	1.25	1.03	0.00	23.95	1.25	1.03	0.00
21.40	1.25	1.03	0.00	24.00	1.25	1.03	0.00
21.45	1.25	1.03	0.00	24.05	1.25	1.03	0.00
21.50	1.25	1.03	0.00	24.10	1.25	1.03	0.00
21.55	1.25	1.03	0.00	24.15	1.25	1.03	0.00
21.60	1.25	1.03	0.00	24.20	1.25	1.03	0.00
21.65	1.25	1.03	0.00	24.25	1.25	1.03	0.00
21.70	1.25	1.03	0.00	24.30	1.25	1.03	0.00
21.75	1.25	1.03	0.00	24.35	1.25	1.03	0.00
21.80	1.25	1.03	0.00	24.40	1.25	1.03	0.00
21.85	1.25	1.03	0.00	24.45	1.25	1.03	0.00
21.90	1.25	1.03	0.00	24.50	1.25	1.03	0.00
21.95	1.25	1.03	0.00	24.55	1.25	1.03	0.00
22.00	1.25	1.03	0.00	24.60	1.25	1.03	0.00
22.05	1.25	1.03	0.00	24.65	1.25	1.03	0.00
22.10	1.25	1.03	0.00	24.70	1.25	1.03	0.00
22.15	1.25	1.03	0.00	24.75	1.25	1.03	0.00
22.20	1.25	1.03	0.00	24.80	1.25	1.03	0.00
22.25	1.25	1.03	0.00	24.85	1.25	1.03	0.00
22.30	1.25	1.03	0.00	24.90	1.25	1.03	0.00
22.35	1.25	1.03	0.00	24.95	1.25	1.03	0.00
22.40	1.25	1.03	0.00	25.00	1.25	1.03	0.00
22.45	1.25	1.03	0.00	25.05	1.25	1.03	0.00
22.50	1.25	1.03	0.00	25.10	1.25	1.03	0.00
22.55	1.25	1.03	0.00	25.15	1.25	1.03	0.00
22.60	1.25	1.03	0.00	25.20	1.25	1.03	0.00
22.65	1.25	1.03	0.00	25.25	1.25	1.03	0.00
22.70	1.25	1.03	0.00	25.30	1.25	1.03	0.00
22.75	1.25	1.03	0.00	25.35	1.25	1.03	0.00
22.80	1.25	1.03	0.00	25.40	1.25	1.03	0.00
22.85	1.25	1.03	0.00	25.45	1.25	1.03	0.00
22.90	1.25	1.03	0.00	25.50	1.25	1.03	0.00
22.95	1.25	1.03	0.00	25.55	1.25	1.03	0.00
23.00	1.25	1.03	0.00	25.60	1.25	1.03	0.00
23.05	1.25	1.03	0.00	25.65	1.25	1.03	0.00
23.10	1.25	1.03	0.00	25.70	1.25	1.03	0.00
23.15	1.25	1.03	0.00	25.75	1.25	1.03	0.00
23.20	1.25	1.03	0.00	25.80	1.25	1.03	0.00
23.25	1.25	1.03	0.00	25.85	1.25	1.03	0.00
23.30	1.25	1.03	0.00	25.90	1.25	1.03	0.00
23.35	1.25	1.03	0.00	25.95	1.25	1.03	0.00

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00	30.05	1.25	1.03	0.00
27.50	1.25	1.03	0.00	30.10	1.25	1.03	0.00
27.55	1.25	1.03	0.00	30.15	1.25	1.03	0.00
27.60	1.25	1.03	0.00	30.20	1.25	1.03	0.00
27.65	1.25	1.03	0.00	30.25	1.25	1.03	0.00
27.70	1.25	1.03	0.00	30.30	1.25	1.03	0.00
27.75	1.25	1.03	0.00	30.35	1.25	1.03	0.00
27.80	1.25	1.03	0.00	30.40	1.25	1.03	0.00
27.85	1.25	1.03	0.00	30.45	1.25	1.03	0.00
27.90	1.25	1.03	0.00	30.50	1.25	1.03	0.00
27.95	1.25	1.03	0.00	30.55	1.25	1.03	0.00
28.00	1.25	1.03	0.00	30.60	1.25	1.03	0.00
28.05	1.25	1.03	0.00	30.65	1.25	1.03	0.00
28.10	1.25	1.03	0.00	30.70	1.25	1.03	0.00
28.15	1.25	1.03	0.00	30.75	1.25	1.03	0.00
28.20	1.25	1.03	0.00	30.80	1.25	1.03	0.00
28.25	1.25	1.03	0.00	30.85	1.25	1.03	0.00
28.30	1.25	1.03	0.00	30.90	1.25	1.03	0.00
28.35	1.25	1.03	0.00	30.95	1.25	1.03	0.00
28.40	1.25	1.03	0.00	31.00	1.25	1.03	0.00
28.45	1.25	1.03	0.00	31.05	1.25	1.03	0.00
28.50	1.25	1.03	0.00	31.10	1.25	1.03	0.00
28.55	1.25	1.03	0.00	31.15	1.25	1.03	0.00

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	1.03	0.00	33.80	1.25	1.03	0.00
31.25	1.25	1.03	0.00	33.85	1.25	1.03	0.00
31.30	1.25	1.03	0.00	33.90	1.25	1.03	0.00
31.35	1.25	1.03	0.00	33.95	1.25	1.03	0.00
31.40	1.25	1.03	0.00	34.00	1.25	1.03	0.00
31.45	1.25	1.03	0.00	34.05	1.25	1.03	0.00
31.50	1.25	1.03	0.00	34.10	1.25	1.03	0.00
31.55	1.25	1.03	0.00	34.15	1.25	1.03	0.00
31.60	1.25	1.03	0.00	34.20	1.25	1.03	0.00
31.65	1.25	1.03	0.00	34.25	1.25	1.03	0.00
31.70	1.25	1.03	0.00	34.30	1.25	1.03	0.00
31.75	1.25	1.03	0.00	34.35	1.25	1.03	0.00
31.80	1.25	1.03	0.00	34.40	1.25	1.03	0.00
31.85	1.25	1.03	0.00	34.45	1.25	1.03	0.00
31.90	1.25	1.03	0.00	34.50	1.25	1.03	0.00
31.95	1.25	1.03	0.00	34.55	1.25	1.03	0.00
32.00	1.25	1.03	0.00	34.60	1.25	1.03	0.00
32.05	1.25	1.03	0.00	34.65	1.25	1.03	0.00
32.10	1.25	1.03	0.00	34.70	1.25	1.03	0.00
32.15	1.25	1.03	0.00	34.75	1.25	1.03	0.00
32.20	1.25	1.03	0.00	34.80	1.25	1.03	0.00
32.25	1.25	1.03	0.00	34.85	1.25	1.03	0.00
32.30	1.25	1.03	0.00	34.90	1.25	1.03	0.00
32.35	1.25	1.03	0.00	34.95	1.25	1.03	0.00
32.40	1.25	1.03	0.00	35.00	1.25	1.03	0.00
32.45	1.25	1.03	0.00	35.05	1.25	1.03	0.00
32.50	1.25	1.03	0.00	35.10	1.25	1.03	0.00
32.55	1.25	1.03	0.00	35.15	1.25	1.03	0.00
32.60	1.25	1.03	0.00	35.20	1.25	1.03	0.00
32.65	1.25	1.03	0.00	35.25	1.25	1.03	0.00
32.70	1.25	1.03	0.00	35.30	1.25	1.03	0.00
32.75	1.25	1.03	0.00	35.35	1.25	1.03	0.00
32.80	1.25	1.03	0.00	35.40	1.25	1.03	0.00
32.85	1.25	1.03	0.00	35.45	1.25	1.03	0.00
32.90	1.25	1.03	0.00	35.50	1.25	1.03	0.00
32.95	1.25	1.03	0.00	35.55	1.25	1.03	0.00
33.00	1.25	1.03	0.00	35.60	1.25	1.03	0.00
33.05	1.25	1.03	0.00	35.65	1.25	1.03	0.00
33.10	1.25	1.03	0.00	35.70	1.25	1.03	0.00
33.15	1.25	1.03	0.00	35.75	1.25	1.03	0.00
33.20	1.25	1.03	0.00	35.80	1.25	1.03	0.00
33.25	1.25	1.03	0.00	35.85	1.25	1.03	0.00
33.30	1.25	1.03	0.00	35.90	1.25	1.03	0.00
33.35	1.25	1.03	0.00	35.95	1.25	1.03	0.00
33.40	1.25	1.03	0.00	36.00	1.25	1.03	0.00
33.45	1.25	1.03	0.00	36.05	1.25	1.03	0.00
33.50	1.25	1.03	0.00	36.10	1.25	1.03	0.00
33.55	1.25	1.03	0.00	36.15	1.25	1.03	0.00
33.60	1.25	1.03	0.00	36.20	1.25	1.03	0.00
33.65	1.25	1.03	0.00	36.25	1.25	1.03	0.00
33.70	1.25	1.03	0.00	36.30	1.25	1.03	0.00
33.75	1.25	1.03	0.00	36.35	1.25	1.03	0.00

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	1.03	0.00
36.45	1.25	1.03	0.00
36.50	1.25	1.03	0.00
36.55	1.25	1.03	0.00
36.60	1.25	1.03	0.00
36.65	1.25	1.03	0.00
36.70	1.25	1.03	0.00
36.75	1.25	1.03	0.00
36.80	1.25	1.03	0.00
36.85	1.25	1.03	0.00
36.90	1.25	1.03	0.00
36.95	1.25	1.03	0.00
37.00	1.25	1.03	0.00
37.05	1.25	1.03	0.00
37.10	1.25	1.03	0.00
37.15	1.25	1.03	0.00
37.20	1.25	1.03	0.00
37.25	1.25	1.03	0.00
37.30	1.25	1.03	0.00
37.35	1.25	1.03	0.00
37.40	1.25	1.03	0.00
37.45	1.25	1.03	0.00
37.50	1.25	1.03	0.00
37.55	1.25	1.03	0.00
37.60	1.25	1.03	0.00
37.65	1.25	1.03	0.00
37.70	1.25	1.03	0.00
37.75	1.25	1.03	0.00
37.80	1.25	1.03	0.00
37.85	1.25	1.03	0.00
37.90	1.25	1.03	0.00
37.95	1.25	1.03	0.00
38.00	1.25	1.03	0.00
38.05	1.25	1.03	0.00
38.10	1.25	1.03	0.00
38.15	1.25	1.03	0.00
38.20	1.25	1.03	0.00
38.25	1.25	1.03	0.00
38.30	1.25	1.03	0.00
38.35	1.25	1.03	0.00
38.40	1.25	1.03	0.00
38.45	1.25	1.03	0.00
38.50	1.25	1.03	0.00
38.55	1.25	1.03	0.00
38.60	1.25	1.03	0.00
38.65	1.25	1.03	0.00
38.70	1.25	1.03	0.00
38.75	1.25	1.03	0.00
38.80	1.25	1.03	0.00
38.85	1.25	1.03	0.00
38.90	1.25	1.03	0.00
38.95	1.25	1.03	0.00
39.00	1.25	1.03	0.00
39.05	1.25	1.03	0.00
39.10	1.25	1.03	0.00
39.15	1.25	1.03	0.00
39.20	1.25	1.03	0.00
39.25	1.25	1.03	0.00
39.30	1.25	1.03	0.00
39.35	1.25	1.03	0.00
39.40	1.25	1.03	0.00
39.45	1.25	1.03	0.00
39.50	1.25	1.03	0.00
39.55	1.25	1.03	0.00
39.60	1.25	1.03	0.00
39.65	1.25	1.03	0.00
39.70	1.25	1.03	0.00
39.75	1.25	1.03	0.00
39.80	1.25	1.03	0.00
39.85	1.25	1.03	0.00
39.90	1.25	1.03	0.00
39.95	1.25	1.03	0.00
40.00	1.25	1.03	0.00

Summary for Subcatchment 55P: PDA-55 (pervious)

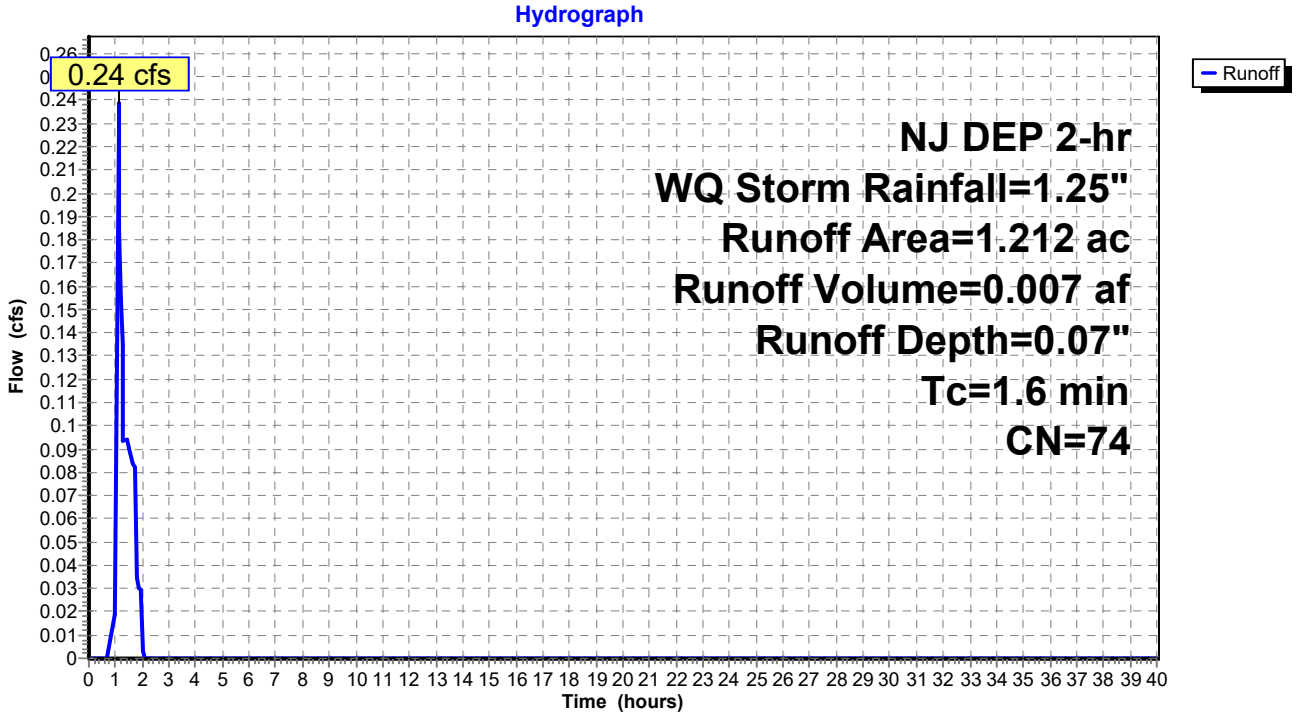
Runoff = 0.24 cfs @ 1.11 hrs, Volume= 0.007 af, Depth= 0.07"
Routed to Pond B-55 : Basin #55

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
1.212	74	>75% Grass cover, Good, HSG C
1.212		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.6					**Direct Entry,**

Subcatchment 55P: PDA-55 (pervious)



Hydrograph for Subcatchment 55P: PDA-55 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.06	3.65	1.25	0.07	0.00
1.10	0.91	0.01	**0.23**	3.70	1.25	0.07	0.00
1.15	0.97	0.02	0.18	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.15	3.80	1.25	0.07	0.00
1.25	1.05	0.03	0.13	3.85	1.25	0.07	0.00
1.30	1.07	0.03	0.09	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.09	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.09	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.10	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.10	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.08	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.08	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.08	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.09	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.08	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.04	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.03	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.03	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.03	4.55	1.25	0.07	0.00
2.00	**1.25**	**0.07**	0.03	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.00	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.00	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.00	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.00	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.00	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.00	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00
36.45	1.25	0.07	0.00
36.50	1.25	0.07	0.00
36.55	1.25	0.07	0.00
36.60	1.25	0.07	0.00
36.65	1.25	0.07	0.00
36.70	1.25	0.07	0.00
36.75	1.25	0.07	0.00
36.80	1.25	0.07	0.00
36.85	1.25	0.07	0.00
36.90	1.25	0.07	0.00
36.95	1.25	0.07	0.00
37.00	1.25	0.07	0.00
37.05	1.25	0.07	0.00
37.10	1.25	0.07	0.00
37.15	1.25	0.07	0.00
37.20	1.25	0.07	0.00
37.25	1.25	0.07	0.00
37.30	1.25	0.07	0.00
37.35	1.25	0.07	0.00
37.40	1.25	0.07	0.00
37.45	1.25	0.07	0.00
37.50	1.25	0.07	0.00
37.55	1.25	0.07	0.00
37.60	1.25	0.07	0.00
37.65	1.25	0.07	0.00
37.70	1.25	0.07	0.00
37.75	1.25	0.07	0.00
37.80	1.25	0.07	0.00
37.85	1.25	0.07	0.00
37.90	1.25	0.07	0.00
37.95	1.25	0.07	0.00
38.00	1.25	0.07	0.00
38.05	1.25	0.07	0.00
38.10	1.25	0.07	0.00
38.15	1.25	0.07	0.00
38.20	1.25	0.07	0.00
38.25	1.25	0.07	0.00
38.30	1.25	0.07	0.00
38.35	1.25	0.07	0.00
38.40	1.25	0.07	0.00
38.45	1.25	0.07	0.00
38.50	1.25	0.07	0.00
38.55	1.25	0.07	0.00
38.60	1.25	0.07	0.00
38.65	1.25	0.07	0.00
38.70	1.25	0.07	0.00
38.75	1.25	0.07	0.00
38.80	1.25	0.07	0.00
38.85	1.25	0.07	0.00
38.90	1.25	0.07	0.00
38.95	1.25	0.07	0.00
39.00	1.25	0.07	0.00
39.05	1.25	0.07	0.00
39.10	1.25	0.07	0.00
39.15	1.25	0.07	0.00
39.20	1.25	0.07	0.00
39.25	1.25	0.07	0.00
39.30	1.25	0.07	0.00
39.35	1.25	0.07	0.00
39.40	1.25	0.07	0.00
39.45	1.25	0.07	0.00
39.50	1.25	0.07	0.00
39.55	1.25	0.07	0.00
39.60	1.25	0.07	0.00
39.65	1.25	0.07	0.00
39.70	1.25	0.07	0.00
39.75	1.25	0.07	0.00
39.80	1.25	0.07	0.00
39.85	1.25	0.07	0.00
39.90	1.25	0.07	0.00
39.95	1.25	0.07	0.00
40.00	1.25	0.07	0.00

Summary for Subcatchment 56l: PDA-56 (impervious)

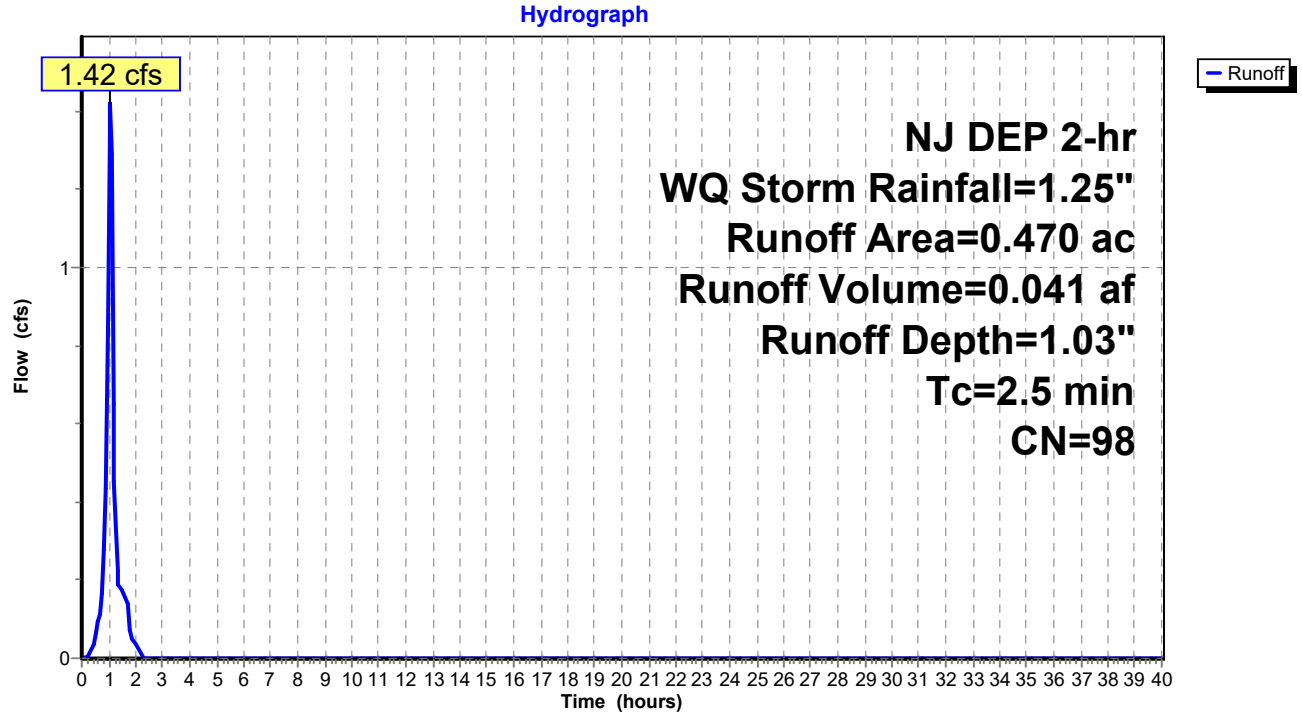
Runoff = 1.42 cfs @ 1.04 hrs, Volume= 0.041 af, Depth= 1.03"
Routed to Pond B-56 : Basin #56

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

	Area (ac)	CN	Description
*	0.470	98	Roof, HSG C
	0.470		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.5					**Direct Entry,**

Subcatchment 56l: PDA-56 (impervious)



Hydrograph for Subcatchment 56I: PDA-56 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	1.03	0.00
0.05	0.00	0.00	0.00	2.65	1.25	1.03	0.00
0.10	0.01	0.00	0.00	2.70	1.25	1.03	0.00
0.15	0.01	0.00	0.00	2.75	1.25	1.03	0.00
0.20	0.02	0.00	0.00	2.80	1.25	1.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	1.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	1.03	0.00
0.35	0.06	0.00	0.01	2.95	1.25	1.03	0.00
0.40	0.07	0.00	0.02	3.00	1.25	1.03	0.00
0.45	0.09	0.01	0.04	3.05	1.25	1.03	0.00
0.50	0.10	0.01	0.05	3.10	1.25	1.03	0.00
0.55	0.12	0.02	0.07	3.15	1.25	1.03	0.00
0.60	0.14	0.03	0.09	3.20	1.25	1.03	0.00
0.65	0.16	0.04	0.10	3.25	1.25	1.03	0.00
0.70	0.18	0.06	0.12	3.30	1.25	1.03	0.00
0.75	0.20	0.07	0.13	3.35	1.25	1.03	0.00
0.80	0.23	0.09	0.21	3.40	1.25	1.03	0.00
0.85	0.28	0.13	0.28	3.45	1.25	1.03	0.00
0.90	0.34	0.18	0.43	3.50	1.25	1.03	0.00
0.95	0.46	0.29	0.84	3.55	1.25	1.03	0.00
1.00	0.63	0.43	1.34	3.60	1.25	1.03	0.00
1.05	0.79	0.58	**1.42**	3.65	1.25	1.03	0.00
1.10	0.91	0.71	1.29	3.70	1.25	1.03	0.00
1.15	0.97	0.76	0.65	3.75	1.25	1.03	0.00
1.20	1.02	0.81	0.45	3.80	1.25	1.03	0.00
1.25	1.05	0.84	0.33	3.85	1.25	1.03	0.00
1.30	1.07	0.86	0.23	3.90	1.25	1.03	0.00
1.35	1.09	0.88	0.19	3.95	1.25	1.03	0.00
1.40	1.11	0.90	0.18	4.00	1.25	1.03	0.00
1.45	1.13	0.92	0.18	4.05	1.25	1.03	0.00
1.50	1.15	0.94	0.18	4.10	1.25	1.03	0.00
1.55	1.17	0.95	0.15	4.15	1.25	1.03	0.00
1.60	1.18	0.97	0.14	4.20	1.25	1.03	0.00
1.65	1.20	0.98	0.14	4.25	1.25	1.03	0.00
1.70	1.21	1.00	0.14	4.30	1.25	1.03	0.00
1.75	1.23	1.01	0.14	4.35	1.25	1.03	0.00
1.80	1.23	1.02	0.07	4.40	1.25	1.03	0.00
1.85	1.24	1.02	0.05	4.45	1.25	1.03	0.00
1.90	1.24	1.02	0.05	4.50	1.25	1.03	0.00
1.95	1.25	1.03	0.05	4.55	1.25	1.03	0.00
2.00	**1.25**	**1.03**	0.04	4.60	1.25	1.03	0.00
2.05	1.25	1.03	0.01	4.65	1.25	1.03	0.00
2.10	1.25	1.03	0.00	4.70	1.25	1.03	0.00
2.15	1.25	1.03	0.00	4.75	1.25	1.03	0.00
2.20	1.25	1.03	0.00	4.80	1.25	1.03	0.00
2.25	1.25	1.03	0.00	4.85	1.25	1.03	0.00
2.30	1.25	1.03	0.00	4.90	1.25	1.03	0.00
2.35	1.25	1.03	0.00	4.95	1.25	1.03	0.00
2.40	1.25	1.03	0.00	5.00	1.25	1.03	0.00
2.45	1.25	1.03	0.00	5.05	1.25	1.03	0.00
2.50	1.25	1.03	0.00	5.10	1.25	1.03	0.00
2.55	1.25	1.03	0.00	5.15	1.25	1.03	0.00

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	1.03	0.00	7.80	1.25	1.03	0.00
5.25	1.25	1.03	0.00	7.85	1.25	1.03	0.00
5.30	1.25	1.03	0.00	7.90	1.25	1.03	0.00
5.35	1.25	1.03	0.00	7.95	1.25	1.03	0.00
5.40	1.25	1.03	0.00	8.00	1.25	1.03	0.00
5.45	1.25	1.03	0.00	8.05	1.25	1.03	0.00
5.50	1.25	1.03	0.00	8.10	1.25	1.03	0.00
5.55	1.25	1.03	0.00	8.15	1.25	1.03	0.00
5.60	1.25	1.03	0.00	8.20	1.25	1.03	0.00
5.65	1.25	1.03	0.00	8.25	1.25	1.03	0.00
5.70	1.25	1.03	0.00	8.30	1.25	1.03	0.00
5.75	1.25	1.03	0.00	8.35	1.25	1.03	0.00
5.80	1.25	1.03	0.00	8.40	1.25	1.03	0.00
5.85	1.25	1.03	0.00	8.45	1.25	1.03	0.00
5.90	1.25	1.03	0.00	8.50	1.25	1.03	0.00
5.95	1.25	1.03	0.00	8.55	1.25	1.03	0.00
6.00	1.25	1.03	0.00	8.60	1.25	1.03	0.00
6.05	1.25	1.03	0.00	8.65	1.25	1.03	0.00
6.10	1.25	1.03	0.00	8.70	1.25	1.03	0.00
6.15	1.25	1.03	0.00	8.75	1.25	1.03	0.00
6.20	1.25	1.03	0.00	8.80	1.25	1.03	0.00
6.25	1.25	1.03	0.00	8.85	1.25	1.03	0.00
6.30	1.25	1.03	0.00	8.90	1.25	1.03	0.00
6.35	1.25	1.03	0.00	8.95	1.25	1.03	0.00
6.40	1.25	1.03	0.00	9.00	1.25	1.03	0.00
6.45	1.25	1.03	0.00	9.05	1.25	1.03	0.00
6.50	1.25	1.03	0.00	9.10	1.25	1.03	0.00
6.55	1.25	1.03	0.00	9.15	1.25	1.03	0.00
6.60	1.25	1.03	0.00	9.20	1.25	1.03	0.00
6.65	1.25	1.03	0.00	9.25	1.25	1.03	0.00
6.70	1.25	1.03	0.00	9.30	1.25	1.03	0.00
6.75	1.25	1.03	0.00	9.35	1.25	1.03	0.00
6.80	1.25	1.03	0.00	9.40	1.25	1.03	0.00
6.85	1.25	1.03	0.00	9.45	1.25	1.03	0.00
6.90	1.25	1.03	0.00	9.50	1.25	1.03	0.00
6.95	1.25	1.03	0.00	9.55	1.25	1.03	0.00
7.00	1.25	1.03	0.00	9.60	1.25	1.03	0.00
7.05	1.25	1.03	0.00	9.65	1.25	1.03	0.00
7.10	1.25	1.03	0.00	9.70	1.25	1.03	0.00
7.15	1.25	1.03	0.00	9.75	1.25	1.03	0.00
7.20	1.25	1.03	0.00	9.80	1.25	1.03	0.00
7.25	1.25	1.03	0.00	9.85	1.25	1.03	0.00
7.30	1.25	1.03	0.00	9.90	1.25	1.03	0.00
7.35	1.25	1.03	0.00	9.95	1.25	1.03	0.00
7.40	1.25	1.03	0.00	10.00	1.25	1.03	0.00
7.45	1.25	1.03	0.00	10.05	1.25	1.03	0.00
7.50	1.25	1.03	0.00	10.10	1.25	1.03	0.00
7.55	1.25	1.03	0.00	10.15	1.25	1.03	0.00
7.60	1.25	1.03	0.00	10.20	1.25	1.03	0.00
7.65	1.25	1.03	0.00	10.25	1.25	1.03	0.00
7.70	1.25	1.03	0.00	10.30	1.25	1.03	0.00
7.75	1.25	1.03	0.00	10.35	1.25	1.03	0.00

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	1.03	0.00	13.00	1.25	1.03	0.00
10.45	1.25	1.03	0.00	13.05	1.25	1.03	0.00
10.50	1.25	1.03	0.00	13.10	1.25	1.03	0.00
10.55	1.25	1.03	0.00	13.15	1.25	1.03	0.00
10.60	1.25	1.03	0.00	13.20	1.25	1.03	0.00
10.65	1.25	1.03	0.00	13.25	1.25	1.03	0.00
10.70	1.25	1.03	0.00	13.30	1.25	1.03	0.00
10.75	1.25	1.03	0.00	13.35	1.25	1.03	0.00
10.80	1.25	1.03	0.00	13.40	1.25	1.03	0.00
10.85	1.25	1.03	0.00	13.45	1.25	1.03	0.00
10.90	1.25	1.03	0.00	13.50	1.25	1.03	0.00
10.95	1.25	1.03	0.00	13.55	1.25	1.03	0.00
11.00	1.25	1.03	0.00	13.60	1.25	1.03	0.00
11.05	1.25	1.03	0.00	13.65	1.25	1.03	0.00
11.10	1.25	1.03	0.00	13.70	1.25	1.03	0.00
11.15	1.25	1.03	0.00	13.75	1.25	1.03	0.00
11.20	1.25	1.03	0.00	13.80	1.25	1.03	0.00
11.25	1.25	1.03	0.00	13.85	1.25	1.03	0.00
11.30	1.25	1.03	0.00	13.90	1.25	1.03	0.00
11.35	1.25	1.03	0.00	13.95	1.25	1.03	0.00
11.40	1.25	1.03	0.00	14.00	1.25	1.03	0.00
11.45	1.25	1.03	0.00	14.05	1.25	1.03	0.00
11.50	1.25	1.03	0.00	14.10	1.25	1.03	0.00
11.55	1.25	1.03	0.00	14.15	1.25	1.03	0.00
11.60	1.25	1.03	0.00	14.20	1.25	1.03	0.00
11.65	1.25	1.03	0.00	14.25	1.25	1.03	0.00
11.70	1.25	1.03	0.00	14.30	1.25	1.03	0.00
11.75	1.25	1.03	0.00	14.35	1.25	1.03	0.00
11.80	1.25	1.03	0.00	14.40	1.25	1.03	0.00
11.85	1.25	1.03	0.00	14.45	1.25	1.03	0.00
11.90	1.25	1.03	0.00	14.50	1.25	1.03	0.00
11.95	1.25	1.03	0.00	14.55	1.25	1.03	0.00
12.00	1.25	1.03	0.00	14.60	1.25	1.03	0.00
12.05	1.25	1.03	0.00	14.65	1.25	1.03	0.00
12.10	1.25	1.03	0.00	14.70	1.25	1.03	0.00
12.15	1.25	1.03	0.00	14.75	1.25	1.03	0.00
12.20	1.25	1.03	0.00	14.80	1.25	1.03	0.00
12.25	1.25	1.03	0.00	14.85	1.25	1.03	0.00
12.30	1.25	1.03	0.00	14.90	1.25	1.03	0.00
12.35	1.25	1.03	0.00	14.95	1.25	1.03	0.00
12.40	1.25	1.03	0.00	15.00	1.25	1.03	0.00
12.45	1.25	1.03	0.00	15.05	1.25	1.03	0.00
12.50	1.25	1.03	0.00	15.10	1.25	1.03	0.00
12.55	1.25	1.03	0.00	15.15	1.25	1.03	0.00
12.60	1.25	1.03	0.00	15.20	1.25	1.03	0.00
12.65	1.25	1.03	0.00	15.25	1.25	1.03	0.00
12.70	1.25	1.03	0.00	15.30	1.25	1.03	0.00
12.75	1.25	1.03	0.00	15.35	1.25	1.03	0.00
12.80	1.25	1.03	0.00	15.40	1.25	1.03	0.00
12.85	1.25	1.03	0.00	15.45	1.25	1.03	0.00
12.90	1.25	1.03	0.00	15.50	1.25	1.03	0.00
12.95	1.25	1.03	0.00	15.55	1.25	1.03	0.00

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	1.03	0.00	18.20	1.25	1.03	0.00
15.65	1.25	1.03	0.00	18.25	1.25	1.03	0.00
15.70	1.25	1.03	0.00	18.30	1.25	1.03	0.00
15.75	1.25	1.03	0.00	18.35	1.25	1.03	0.00
15.80	1.25	1.03	0.00	18.40	1.25	1.03	0.00
15.85	1.25	1.03	0.00	18.45	1.25	1.03	0.00
15.90	1.25	1.03	0.00	18.50	1.25	1.03	0.00
15.95	1.25	1.03	0.00	18.55	1.25	1.03	0.00
16.00	1.25	1.03	0.00	18.60	1.25	1.03	0.00
16.05	1.25	1.03	0.00	18.65	1.25	1.03	0.00
16.10	1.25	1.03	0.00	18.70	1.25	1.03	0.00
16.15	1.25	1.03	0.00	18.75	1.25	1.03	0.00
16.20	1.25	1.03	0.00	18.80	1.25	1.03	0.00
16.25	1.25	1.03	0.00	18.85	1.25	1.03	0.00
16.30	1.25	1.03	0.00	18.90	1.25	1.03	0.00
16.35	1.25	1.03	0.00	18.95	1.25	1.03	0.00
16.40	1.25	1.03	0.00	19.00	1.25	1.03	0.00
16.45	1.25	1.03	0.00	19.05	1.25	1.03	0.00
16.50	1.25	1.03	0.00	19.10	1.25	1.03	0.00
16.55	1.25	1.03	0.00	19.15	1.25	1.03	0.00
16.60	1.25	1.03	0.00	19.20	1.25	1.03	0.00
16.65	1.25	1.03	0.00	19.25	1.25	1.03	0.00
16.70	1.25	1.03	0.00	19.30	1.25	1.03	0.00
16.75	1.25	1.03	0.00	19.35	1.25	1.03	0.00
16.80	1.25	1.03	0.00	19.40	1.25	1.03	0.00
16.85	1.25	1.03	0.00	19.45	1.25	1.03	0.00
16.90	1.25	1.03	0.00	19.50	1.25	1.03	0.00
16.95	1.25	1.03	0.00	19.55	1.25	1.03	0.00
17.00	1.25	1.03	0.00	19.60	1.25	1.03	0.00
17.05	1.25	1.03	0.00	19.65	1.25	1.03	0.00
17.10	1.25	1.03	0.00	19.70	1.25	1.03	0.00
17.15	1.25	1.03	0.00	19.75	1.25	1.03	0.00
17.20	1.25	1.03	0.00	19.80	1.25	1.03	0.00
17.25	1.25	1.03	0.00	19.85	1.25	1.03	0.00
17.30	1.25	1.03	0.00	19.90	1.25	1.03	0.00
17.35	1.25	1.03	0.00	19.95	1.25	1.03	0.00
17.40	1.25	1.03	0.00	20.00	1.25	1.03	0.00
17.45	1.25	1.03	0.00	20.05	1.25	1.03	0.00
17.50	1.25	1.03	0.00	20.10	1.25	1.03	0.00
17.55	1.25	1.03	0.00	20.15	1.25	1.03	0.00
17.60	1.25	1.03	0.00	20.20	1.25	1.03	0.00
17.65	1.25	1.03	0.00	20.25	1.25	1.03	0.00
17.70	1.25	1.03	0.00	20.30	1.25	1.03	0.00
17.75	1.25	1.03	0.00	20.35	1.25	1.03	0.00
17.80	1.25	1.03	0.00	20.40	1.25	1.03	0.00
17.85	1.25	1.03	0.00	20.45	1.25	1.03	0.00
17.90	1.25	1.03	0.00	20.50	1.25	1.03	0.00
17.95	1.25	1.03	0.00	20.55	1.25	1.03	0.00
18.00	1.25	1.03	0.00	20.60	1.25	1.03	0.00
18.05	1.25	1.03	0.00	20.65	1.25	1.03	0.00
18.10	1.25	1.03	0.00	20.70	1.25	1.03	0.00
18.15	1.25	1.03	0.00	20.75	1.25	1.03	0.00

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	1.03	0.00	23.40	1.25	1.03	0.00
20.85	1.25	1.03	0.00	23.45	1.25	1.03	0.00
20.90	1.25	1.03	0.00	23.50	1.25	1.03	0.00
20.95	1.25	1.03	0.00	23.55	1.25	1.03	0.00
21.00	1.25	1.03	0.00	23.60	1.25	1.03	0.00
21.05	1.25	1.03	0.00	23.65	1.25	1.03	0.00
21.10	1.25	1.03	0.00	23.70	1.25	1.03	0.00
21.15	1.25	1.03	0.00	23.75	1.25	1.03	0.00
21.20	1.25	1.03	0.00	23.80	1.25	1.03	0.00
21.25	1.25	1.03	0.00	23.85	1.25	1.03	0.00
21.30	1.25	1.03	0.00	23.90	1.25	1.03	0.00
21.35	1.25	1.03	0.00	23.95	1.25	1.03	0.00
21.40	1.25	1.03	0.00	24.00	1.25	1.03	0.00
21.45	1.25	1.03	0.00	24.05	1.25	1.03	0.00
21.50	1.25	1.03	0.00	24.10	1.25	1.03	0.00
21.55	1.25	1.03	0.00	24.15	1.25	1.03	0.00
21.60	1.25	1.03	0.00	24.20	1.25	1.03	0.00
21.65	1.25	1.03	0.00	24.25	1.25	1.03	0.00
21.70	1.25	1.03	0.00	24.30	1.25	1.03	0.00
21.75	1.25	1.03	0.00	24.35	1.25	1.03	0.00
21.80	1.25	1.03	0.00	24.40	1.25	1.03	0.00
21.85	1.25	1.03	0.00	24.45	1.25	1.03	0.00
21.90	1.25	1.03	0.00	24.50	1.25	1.03	0.00
21.95	1.25	1.03	0.00	24.55	1.25	1.03	0.00
22.00	1.25	1.03	0.00	24.60	1.25	1.03	0.00
22.05	1.25	1.03	0.00	24.65	1.25	1.03	0.00
22.10	1.25	1.03	0.00	24.70	1.25	1.03	0.00
22.15	1.25	1.03	0.00	24.75	1.25	1.03	0.00
22.20	1.25	1.03	0.00	24.80	1.25	1.03	0.00
22.25	1.25	1.03	0.00	24.85	1.25	1.03	0.00
22.30	1.25	1.03	0.00	24.90	1.25	1.03	0.00
22.35	1.25	1.03	0.00	24.95	1.25	1.03	0.00
22.40	1.25	1.03	0.00	25.00	1.25	1.03	0.00
22.45	1.25	1.03	0.00	25.05	1.25	1.03	0.00
22.50	1.25	1.03	0.00	25.10	1.25	1.03	0.00
22.55	1.25	1.03	0.00	25.15	1.25	1.03	0.00
22.60	1.25	1.03	0.00	25.20	1.25	1.03	0.00
22.65	1.25	1.03	0.00	25.25	1.25	1.03	0.00
22.70	1.25	1.03	0.00	25.30	1.25	1.03	0.00
22.75	1.25	1.03	0.00	25.35	1.25	1.03	0.00
22.80	1.25	1.03	0.00	25.40	1.25	1.03	0.00
22.85	1.25	1.03	0.00	25.45	1.25	1.03	0.00
22.90	1.25	1.03	0.00	25.50	1.25	1.03	0.00
22.95	1.25	1.03	0.00	25.55	1.25	1.03	0.00
23.00	1.25	1.03	0.00	25.60	1.25	1.03	0.00
23.05	1.25	1.03	0.00	25.65	1.25	1.03	0.00
23.10	1.25	1.03	0.00	25.70	1.25	1.03	0.00
23.15	1.25	1.03	0.00	25.75	1.25	1.03	0.00
23.20	1.25	1.03	0.00	25.80	1.25	1.03	0.00
23.25	1.25	1.03	0.00	25.85	1.25	1.03	0.00
23.30	1.25	1.03	0.00	25.90	1.25	1.03	0.00
23.35	1.25	1.03	0.00	25.95	1.25	1.03	0.00

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00	30.05	1.25	1.03	0.00
27.50	1.25	1.03	0.00	30.10	1.25	1.03	0.00
27.55	1.25	1.03	0.00	30.15	1.25	1.03	0.00
27.60	1.25	1.03	0.00	30.20	1.25	1.03	0.00
27.65	1.25	1.03	0.00	30.25	1.25	1.03	0.00
27.70	1.25	1.03	0.00	30.30	1.25	1.03	0.00
27.75	1.25	1.03	0.00	30.35	1.25	1.03	0.00
27.80	1.25	1.03	0.00	30.40	1.25	1.03	0.00
27.85	1.25	1.03	0.00	30.45	1.25	1.03	0.00
27.90	1.25	1.03	0.00	30.50	1.25	1.03	0.00
27.95	1.25	1.03	0.00	30.55	1.25	1.03	0.00
28.00	1.25	1.03	0.00	30.60	1.25	1.03	0.00
28.05	1.25	1.03	0.00	30.65	1.25	1.03	0.00
28.10	1.25	1.03	0.00	30.70	1.25	1.03	0.00
28.15	1.25	1.03	0.00	30.75	1.25	1.03	0.00
28.20	1.25	1.03	0.00	30.80	1.25	1.03	0.00
28.25	1.25	1.03	0.00	30.85	1.25	1.03	0.00
28.30	1.25	1.03	0.00	30.90	1.25	1.03	0.00
28.35	1.25	1.03	0.00	30.95	1.25	1.03	0.00
28.40	1.25	1.03	0.00	31.00	1.25	1.03	0.00
28.45	1.25	1.03	0.00	31.05	1.25	1.03	0.00
28.50	1.25	1.03	0.00	31.10	1.25	1.03	0.00
28.55	1.25	1.03	0.00	31.15	1.25	1.03	0.00

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	1.03	0.00	33.80	1.25	1.03	0.00
31.25	1.25	1.03	0.00	33.85	1.25	1.03	0.00
31.30	1.25	1.03	0.00	33.90	1.25	1.03	0.00
31.35	1.25	1.03	0.00	33.95	1.25	1.03	0.00
31.40	1.25	1.03	0.00	34.00	1.25	1.03	0.00
31.45	1.25	1.03	0.00	34.05	1.25	1.03	0.00
31.50	1.25	1.03	0.00	34.10	1.25	1.03	0.00
31.55	1.25	1.03	0.00	34.15	1.25	1.03	0.00
31.60	1.25	1.03	0.00	34.20	1.25	1.03	0.00
31.65	1.25	1.03	0.00	34.25	1.25	1.03	0.00
31.70	1.25	1.03	0.00	34.30	1.25	1.03	0.00
31.75	1.25	1.03	0.00	34.35	1.25	1.03	0.00
31.80	1.25	1.03	0.00	34.40	1.25	1.03	0.00
31.85	1.25	1.03	0.00	34.45	1.25	1.03	0.00
31.90	1.25	1.03	0.00	34.50	1.25	1.03	0.00
31.95	1.25	1.03	0.00	34.55	1.25	1.03	0.00
32.00	1.25	1.03	0.00	34.60	1.25	1.03	0.00
32.05	1.25	1.03	0.00	34.65	1.25	1.03	0.00
32.10	1.25	1.03	0.00	34.70	1.25	1.03	0.00
32.15	1.25	1.03	0.00	34.75	1.25	1.03	0.00
32.20	1.25	1.03	0.00	34.80	1.25	1.03	0.00
32.25	1.25	1.03	0.00	34.85	1.25	1.03	0.00
32.30	1.25	1.03	0.00	34.90	1.25	1.03	0.00
32.35	1.25	1.03	0.00	34.95	1.25	1.03	0.00
32.40	1.25	1.03	0.00	35.00	1.25	1.03	0.00
32.45	1.25	1.03	0.00	35.05	1.25	1.03	0.00
32.50	1.25	1.03	0.00	35.10	1.25	1.03	0.00
32.55	1.25	1.03	0.00	35.15	1.25	1.03	0.00
32.60	1.25	1.03	0.00	35.20	1.25	1.03	0.00
32.65	1.25	1.03	0.00	35.25	1.25	1.03	0.00
32.70	1.25	1.03	0.00	35.30	1.25	1.03	0.00
32.75	1.25	1.03	0.00	35.35	1.25	1.03	0.00
32.80	1.25	1.03	0.00	35.40	1.25	1.03	0.00
32.85	1.25	1.03	0.00	35.45	1.25	1.03	0.00
32.90	1.25	1.03	0.00	35.50	1.25	1.03	0.00
32.95	1.25	1.03	0.00	35.55	1.25	1.03	0.00
33.00	1.25	1.03	0.00	35.60	1.25	1.03	0.00
33.05	1.25	1.03	0.00	35.65	1.25	1.03	0.00
33.10	1.25	1.03	0.00	35.70	1.25	1.03	0.00
33.15	1.25	1.03	0.00	35.75	1.25	1.03	0.00
33.20	1.25	1.03	0.00	35.80	1.25	1.03	0.00
33.25	1.25	1.03	0.00	35.85	1.25	1.03	0.00
33.30	1.25	1.03	0.00	35.90	1.25	1.03	0.00
33.35	1.25	1.03	0.00	35.95	1.25	1.03	0.00
33.40	1.25	1.03	0.00	36.00	1.25	1.03	0.00
33.45	1.25	1.03	0.00	36.05	1.25	1.03	0.00
33.50	1.25	1.03	0.00	36.10	1.25	1.03	0.00
33.55	1.25	1.03	0.00	36.15	1.25	1.03	0.00
33.60	1.25	1.03	0.00	36.20	1.25	1.03	0.00
33.65	1.25	1.03	0.00	36.25	1.25	1.03	0.00
33.70	1.25	1.03	0.00	36.30	1.25	1.03	0.00
33.75	1.25	1.03	0.00	36.35	1.25	1.03	0.00

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	1.03	0.00
36.45	1.25	1.03	0.00
36.50	1.25	1.03	0.00
36.55	1.25	1.03	0.00
36.60	1.25	1.03	0.00
36.65	1.25	1.03	0.00
36.70	1.25	1.03	0.00
36.75	1.25	1.03	0.00
36.80	1.25	1.03	0.00
36.85	1.25	1.03	0.00
36.90	1.25	1.03	0.00
36.95	1.25	1.03	0.00
37.00	1.25	1.03	0.00
37.05	1.25	1.03	0.00
37.10	1.25	1.03	0.00
37.15	1.25	1.03	0.00
37.20	1.25	1.03	0.00
37.25	1.25	1.03	0.00
37.30	1.25	1.03	0.00
37.35	1.25	1.03	0.00
37.40	1.25	1.03	0.00
37.45	1.25	1.03	0.00
37.50	1.25	1.03	0.00
37.55	1.25	1.03	0.00
37.60	1.25	1.03	0.00
37.65	1.25	1.03	0.00
37.70	1.25	1.03	0.00
37.75	1.25	1.03	0.00
37.80	1.25	1.03	0.00
37.85	1.25	1.03	0.00
37.90	1.25	1.03	0.00
37.95	1.25	1.03	0.00
38.00	1.25	1.03	0.00
38.05	1.25	1.03	0.00
38.10	1.25	1.03	0.00
38.15	1.25	1.03	0.00
38.20	1.25	1.03	0.00
38.25	1.25	1.03	0.00
38.30	1.25	1.03	0.00
38.35	1.25	1.03	0.00
38.40	1.25	1.03	0.00
38.45	1.25	1.03	0.00
38.50	1.25	1.03	0.00
38.55	1.25	1.03	0.00
38.60	1.25	1.03	0.00
38.65	1.25	1.03	0.00
38.70	1.25	1.03	0.00
38.75	1.25	1.03	0.00
38.80	1.25	1.03	0.00
38.85	1.25	1.03	0.00
38.90	1.25	1.03	0.00
38.95	1.25	1.03	0.00
39.00	1.25	1.03	0.00
39.05	1.25	1.03	0.00
39.10	1.25	1.03	0.00
39.15	1.25	1.03	0.00
39.20	1.25	1.03	0.00
39.25	1.25	1.03	0.00
39.30	1.25	1.03	0.00
39.35	1.25	1.03	0.00
39.40	1.25	1.03	0.00
39.45	1.25	1.03	0.00
39.50	1.25	1.03	0.00
39.55	1.25	1.03	0.00
39.60	1.25	1.03	0.00
39.65	1.25	1.03	0.00
39.70	1.25	1.03	0.00
39.75	1.25	1.03	0.00
39.80	1.25	1.03	0.00
39.85	1.25	1.03	0.00
39.90	1.25	1.03	0.00
39.95	1.25	1.03	0.00
40.00	1.25	1.03	0.00

Summary for Subcatchment 56P: PDA-56 (pervious)

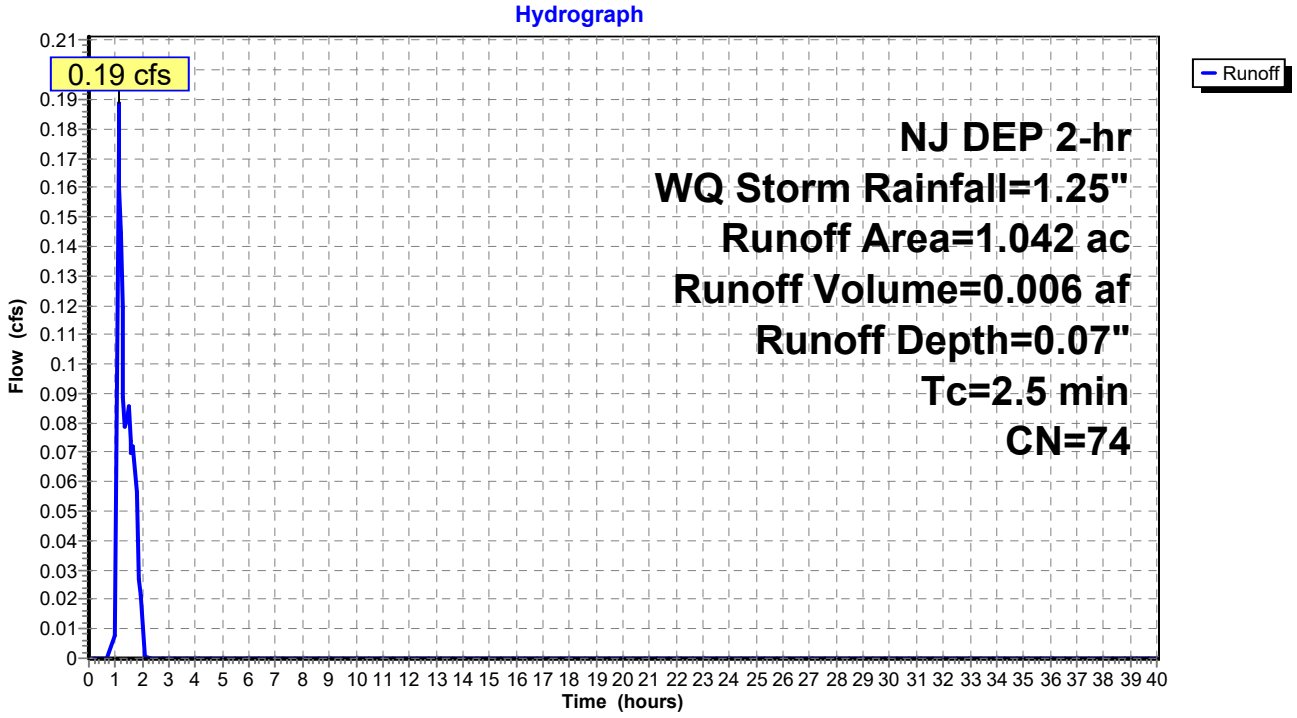
Runoff = 0.19 cfs @ 1.12 hrs, Volume= 0.006 af, Depth= 0.07"
Routed to Pond B-56 : Basin #56

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
1.042	74	>75% Grass cover, Good, HSG C
1.042		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.5					**Direct Entry,**

Subcatchment 56P: PDA-56 (pervious)



Hydrograph for Subcatchment 56P: PDA-56 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.02	3.65	1.25	0.07	0.00
1.10	0.91	0.01	**0.17**	3.70	1.25	0.07	0.00
1.15	0.97	0.02	0.16	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.14	3.80	1.25	0.07	0.00
1.25	1.05	0.03	0.12	3.85	1.25	0.07	0.00
1.30	1.07	0.03	0.09	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.08	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.08	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.08	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.09	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.07	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.07	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.07	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.07	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.07	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.04	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.03	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.03	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.03	4.55	1.25	0.07	0.00
2.00	**1.25**	**0.07**	0.03	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.01	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.00	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.00	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.00	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.00	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.00	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00
36.45	1.25	0.07	0.00
36.50	1.25	0.07	0.00
36.55	1.25	0.07	0.00
36.60	1.25	0.07	0.00
36.65	1.25	0.07	0.00
36.70	1.25	0.07	0.00
36.75	1.25	0.07	0.00
36.80	1.25	0.07	0.00
36.85	1.25	0.07	0.00
36.90	1.25	0.07	0.00
36.95	1.25	0.07	0.00
37.00	1.25	0.07	0.00
37.05	1.25	0.07	0.00
37.10	1.25	0.07	0.00
37.15	1.25	0.07	0.00
37.20	1.25	0.07	0.00
37.25	1.25	0.07	0.00
37.30	1.25	0.07	0.00
37.35	1.25	0.07	0.00
37.40	1.25	0.07	0.00
37.45	1.25	0.07	0.00
37.50	1.25	0.07	0.00
37.55	1.25	0.07	0.00
37.60	1.25	0.07	0.00
37.65	1.25	0.07	0.00
37.70	1.25	0.07	0.00
37.75	1.25	0.07	0.00
37.80	1.25	0.07	0.00
37.85	1.25	0.07	0.00
37.90	1.25	0.07	0.00
37.95	1.25	0.07	0.00
38.00	1.25	0.07	0.00
38.05	1.25	0.07	0.00
38.10	1.25	0.07	0.00
38.15	1.25	0.07	0.00
38.20	1.25	0.07	0.00
38.25	1.25	0.07	0.00
38.30	1.25	0.07	0.00
38.35	1.25	0.07	0.00
38.40	1.25	0.07	0.00
38.45	1.25	0.07	0.00
38.50	1.25	0.07	0.00
38.55	1.25	0.07	0.00
38.60	1.25	0.07	0.00
38.65	1.25	0.07	0.00
38.70	1.25	0.07	0.00
38.75	1.25	0.07	0.00
38.80	1.25	0.07	0.00
38.85	1.25	0.07	0.00
38.90	1.25	0.07	0.00
38.95	1.25	0.07	0.00
39.00	1.25	0.07	0.00
39.05	1.25	0.07	0.00
39.10	1.25	0.07	0.00
39.15	1.25	0.07	0.00
39.20	1.25	0.07	0.00
39.25	1.25	0.07	0.00
39.30	1.25	0.07	0.00
39.35	1.25	0.07	0.00
39.40	1.25	0.07	0.00
39.45	1.25	0.07	0.00
39.50	1.25	0.07	0.00
39.55	1.25	0.07	0.00
39.60	1.25	0.07	0.00
39.65	1.25	0.07	0.00
39.70	1.25	0.07	0.00
39.75	1.25	0.07	0.00
39.80	1.25	0.07	0.00
39.85	1.25	0.07	0.00
39.90	1.25	0.07	0.00
39.95	1.25	0.07	0.00
40.00	1.25	0.07	0.00

Summary for Subcatchment 57l: PDA-57 (impervious)

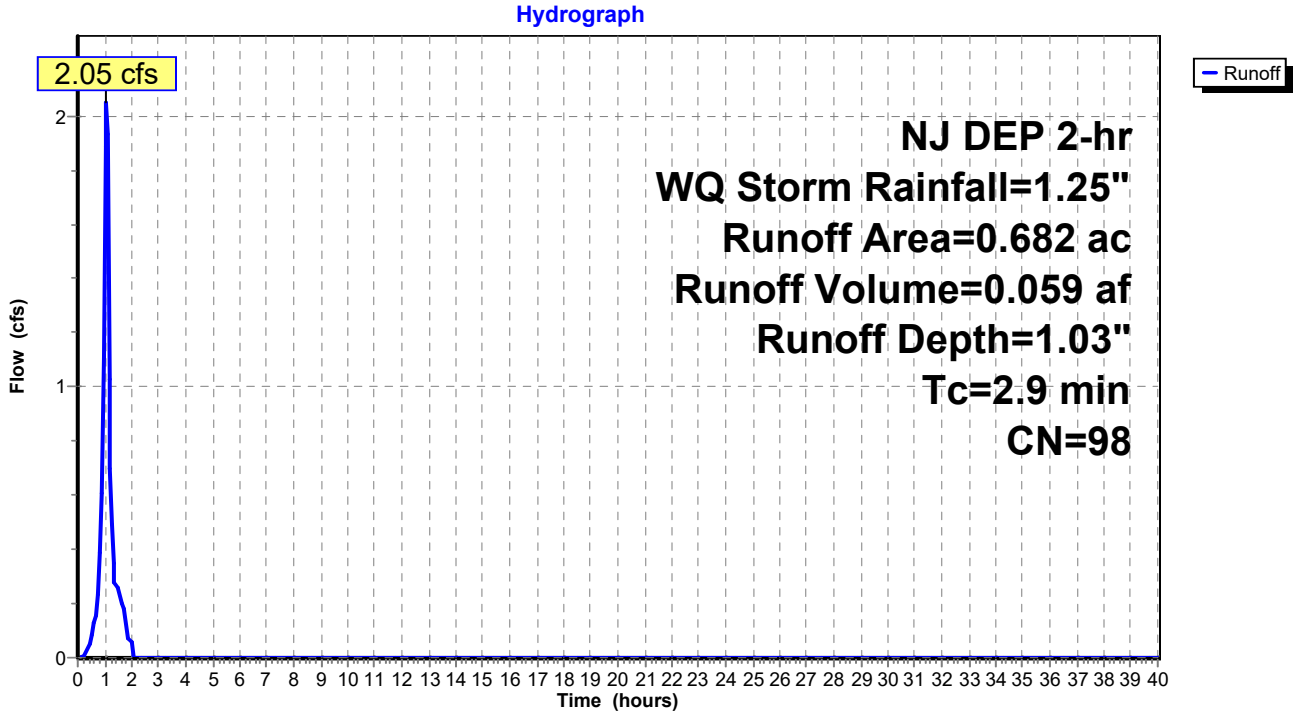
Runoff = 2.05 cfs @ 1.05 hrs, Volume= 0.059 af, Depth= 1.03"
Routed to Pond B-57 : Basin #57

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

	Area (ac)	CN	Description
*	0.268	98	Pavement, HSG C
*	0.378	98	Roof, HSG C
*	0.036	98	Concrete, HSG C
	0.682	98	Weighted Average
	0.682		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.9					**Direct Entry,**

Subcatchment 57l: PDA-57 (impervious)



Hydrograph for Subcatchment 57I: PDA-57 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	1.03	0.00
0.05	0.00	0.00	0.00	2.65	1.25	1.03	0.00
0.10	0.01	0.00	0.00	2.70	1.25	1.03	0.00
0.15	0.01	0.00	0.00	2.75	1.25	1.03	0.00
0.20	0.02	0.00	0.00	2.80	1.25	1.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	1.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	1.03	0.00
0.35	0.06	0.00	0.01	2.95	1.25	1.03	0.00
0.40	0.07	0.00	0.03	3.00	1.25	1.03	0.00
0.45	0.09	0.01	0.05	3.05	1.25	1.03	0.00
0.50	0.10	0.01	0.07	3.10	1.25	1.03	0.00
0.55	0.12	0.02	0.10	3.15	1.25	1.03	0.00
0.60	0.14	0.03	0.13	3.20	1.25	1.03	0.00
0.65	0.16	0.04	0.15	3.25	1.25	1.03	0.00
0.70	0.18	0.06	0.17	3.30	1.25	1.03	0.00
0.75	0.20	0.07	0.18	3.35	1.25	1.03	0.00
0.80	0.23	0.09	0.28	3.40	1.25	1.03	0.00
0.85	0.28	0.13	0.39	3.45	1.25	1.03	0.00
0.90	0.34	0.18	0.61	3.50	1.25	1.03	0.00
0.95	0.46	0.29	1.11	3.55	1.25	1.03	0.00
1.00	0.63	0.43	1.89	3.60	1.25	1.03	0.00
1.05	0.79	0.58	**2.05**	3.65	1.25	1.03	0.00
1.10	0.91	0.71	1.93	3.70	1.25	1.03	0.00
1.15	0.97	0.76	1.03	3.75	1.25	1.03	0.00
1.20	1.02	0.81	0.70	3.80	1.25	1.03	0.00
1.25	1.05	0.84	0.49	3.85	1.25	1.03	0.00
1.30	1.07	0.86	0.35	3.90	1.25	1.03	0.00
1.35	1.09	0.88	0.28	3.95	1.25	1.03	0.00
1.40	1.11	0.90	0.27	4.00	1.25	1.03	0.00
1.45	1.13	0.92	0.27	4.05	1.25	1.03	0.00
1.50	1.15	0.94	0.26	4.10	1.25	1.03	0.00
1.55	1.17	0.95	0.23	4.15	1.25	1.03	0.00
1.60	1.18	0.97	0.20	4.20	1.25	1.03	0.00
1.65	1.20	0.98	0.20	4.25	1.25	1.03	0.00
1.70	1.21	1.00	0.20	4.30	1.25	1.03	0.00
1.75	1.23	1.01	0.20	4.35	1.25	1.03	0.00
1.80	1.23	1.02	0.12	4.40	1.25	1.03	0.00
1.85	1.24	1.02	0.07	4.45	1.25	1.03	0.00
1.90	1.24	1.02	0.07	4.50	1.25	1.03	0.00
1.95	1.25	1.03	0.07	4.55	1.25	1.03	0.00
2.00	**1.25**	**1.03**	0.07	4.60	1.25	1.03	0.00
2.05	1.25	1.03	0.03	4.65	1.25	1.03	0.00
2.10	1.25	1.03	0.00	4.70	1.25	1.03	0.00
2.15	1.25	1.03	0.00	4.75	1.25	1.03	0.00
2.20	1.25	1.03	0.00	4.80	1.25	1.03	0.00
2.25	1.25	1.03	0.00	4.85	1.25	1.03	0.00
2.30	1.25	1.03	0.00	4.90	1.25	1.03	0.00
2.35	1.25	1.03	0.00	4.95	1.25	1.03	0.00
2.40	1.25	1.03	0.00	5.00	1.25	1.03	0.00
2.45	1.25	1.03	0.00	5.05	1.25	1.03	0.00
2.50	1.25	1.03	0.00	5.10	1.25	1.03	0.00
2.55	1.25	1.03	0.00	5.15	1.25	1.03	0.00

Hydrograph for Subcatchment 57l: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	1.03	0.00	7.80	1.25	1.03	0.00
5.25	1.25	1.03	0.00	7.85	1.25	1.03	0.00
5.30	1.25	1.03	0.00	7.90	1.25	1.03	0.00
5.35	1.25	1.03	0.00	7.95	1.25	1.03	0.00
5.40	1.25	1.03	0.00	8.00	1.25	1.03	0.00
5.45	1.25	1.03	0.00	8.05	1.25	1.03	0.00
5.50	1.25	1.03	0.00	8.10	1.25	1.03	0.00
5.55	1.25	1.03	0.00	8.15	1.25	1.03	0.00
5.60	1.25	1.03	0.00	8.20	1.25	1.03	0.00
5.65	1.25	1.03	0.00	8.25	1.25	1.03	0.00
5.70	1.25	1.03	0.00	8.30	1.25	1.03	0.00
5.75	1.25	1.03	0.00	8.35	1.25	1.03	0.00
5.80	1.25	1.03	0.00	8.40	1.25	1.03	0.00
5.85	1.25	1.03	0.00	8.45	1.25	1.03	0.00
5.90	1.25	1.03	0.00	8.50	1.25	1.03	0.00
5.95	1.25	1.03	0.00	8.55	1.25	1.03	0.00
6.00	1.25	1.03	0.00	8.60	1.25	1.03	0.00
6.05	1.25	1.03	0.00	8.65	1.25	1.03	0.00
6.10	1.25	1.03	0.00	8.70	1.25	1.03	0.00
6.15	1.25	1.03	0.00	8.75	1.25	1.03	0.00
6.20	1.25	1.03	0.00	8.80	1.25	1.03	0.00
6.25	1.25	1.03	0.00	8.85	1.25	1.03	0.00
6.30	1.25	1.03	0.00	8.90	1.25	1.03	0.00
6.35	1.25	1.03	0.00	8.95	1.25	1.03	0.00
6.40	1.25	1.03	0.00	9.00	1.25	1.03	0.00
6.45	1.25	1.03	0.00	9.05	1.25	1.03	0.00
6.50	1.25	1.03	0.00	9.10	1.25	1.03	0.00
6.55	1.25	1.03	0.00	9.15	1.25	1.03	0.00
6.60	1.25	1.03	0.00	9.20	1.25	1.03	0.00
6.65	1.25	1.03	0.00	9.25	1.25	1.03	0.00
6.70	1.25	1.03	0.00	9.30	1.25	1.03	0.00
6.75	1.25	1.03	0.00	9.35	1.25	1.03	0.00
6.80	1.25	1.03	0.00	9.40	1.25	1.03	0.00
6.85	1.25	1.03	0.00	9.45	1.25	1.03	0.00
6.90	1.25	1.03	0.00	9.50	1.25	1.03	0.00
6.95	1.25	1.03	0.00	9.55	1.25	1.03	0.00
7.00	1.25	1.03	0.00	9.60	1.25	1.03	0.00
7.05	1.25	1.03	0.00	9.65	1.25	1.03	0.00
7.10	1.25	1.03	0.00	9.70	1.25	1.03	0.00
7.15	1.25	1.03	0.00	9.75	1.25	1.03	0.00
7.20	1.25	1.03	0.00	9.80	1.25	1.03	0.00
7.25	1.25	1.03	0.00	9.85	1.25	1.03	0.00
7.30	1.25	1.03	0.00	9.90	1.25	1.03	0.00
7.35	1.25	1.03	0.00	9.95	1.25	1.03	0.00
7.40	1.25	1.03	0.00	10.00	1.25	1.03	0.00
7.45	1.25	1.03	0.00	10.05	1.25	1.03	0.00
7.50	1.25	1.03	0.00	10.10	1.25	1.03	0.00
7.55	1.25	1.03	0.00	10.15	1.25	1.03	0.00
7.60	1.25	1.03	0.00	10.20	1.25	1.03	0.00
7.65	1.25	1.03	0.00	10.25	1.25	1.03	0.00
7.70	1.25	1.03	0.00	10.30	1.25	1.03	0.00
7.75	1.25	1.03	0.00	10.35	1.25	1.03	0.00

Hydrograph for Subcatchment 57l: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	1.03	0.00	13.00	1.25	1.03	0.00
10.45	1.25	1.03	0.00	13.05	1.25	1.03	0.00
10.50	1.25	1.03	0.00	13.10	1.25	1.03	0.00
10.55	1.25	1.03	0.00	13.15	1.25	1.03	0.00
10.60	1.25	1.03	0.00	13.20	1.25	1.03	0.00
10.65	1.25	1.03	0.00	13.25	1.25	1.03	0.00
10.70	1.25	1.03	0.00	13.30	1.25	1.03	0.00
10.75	1.25	1.03	0.00	13.35	1.25	1.03	0.00
10.80	1.25	1.03	0.00	13.40	1.25	1.03	0.00
10.85	1.25	1.03	0.00	13.45	1.25	1.03	0.00
10.90	1.25	1.03	0.00	13.50	1.25	1.03	0.00
10.95	1.25	1.03	0.00	13.55	1.25	1.03	0.00
11.00	1.25	1.03	0.00	13.60	1.25	1.03	0.00
11.05	1.25	1.03	0.00	13.65	1.25	1.03	0.00
11.10	1.25	1.03	0.00	13.70	1.25	1.03	0.00
11.15	1.25	1.03	0.00	13.75	1.25	1.03	0.00
11.20	1.25	1.03	0.00	13.80	1.25	1.03	0.00
11.25	1.25	1.03	0.00	13.85	1.25	1.03	0.00
11.30	1.25	1.03	0.00	13.90	1.25	1.03	0.00
11.35	1.25	1.03	0.00	13.95	1.25	1.03	0.00
11.40	1.25	1.03	0.00	14.00	1.25	1.03	0.00
11.45	1.25	1.03	0.00	14.05	1.25	1.03	0.00
11.50	1.25	1.03	0.00	14.10	1.25	1.03	0.00
11.55	1.25	1.03	0.00	14.15	1.25	1.03	0.00
11.60	1.25	1.03	0.00	14.20	1.25	1.03	0.00
11.65	1.25	1.03	0.00	14.25	1.25	1.03	0.00
11.70	1.25	1.03	0.00	14.30	1.25	1.03	0.00
11.75	1.25	1.03	0.00	14.35	1.25	1.03	0.00
11.80	1.25	1.03	0.00	14.40	1.25	1.03	0.00
11.85	1.25	1.03	0.00	14.45	1.25	1.03	0.00
11.90	1.25	1.03	0.00	14.50	1.25	1.03	0.00
11.95	1.25	1.03	0.00	14.55	1.25	1.03	0.00
12.00	1.25	1.03	0.00	14.60	1.25	1.03	0.00
12.05	1.25	1.03	0.00	14.65	1.25	1.03	0.00
12.10	1.25	1.03	0.00	14.70	1.25	1.03	0.00
12.15	1.25	1.03	0.00	14.75	1.25	1.03	0.00
12.20	1.25	1.03	0.00	14.80	1.25	1.03	0.00
12.25	1.25	1.03	0.00	14.85	1.25	1.03	0.00
12.30	1.25	1.03	0.00	14.90	1.25	1.03	0.00
12.35	1.25	1.03	0.00	14.95	1.25	1.03	0.00
12.40	1.25	1.03	0.00	15.00	1.25	1.03	0.00
12.45	1.25	1.03	0.00	15.05	1.25	1.03	0.00
12.50	1.25	1.03	0.00	15.10	1.25	1.03	0.00
12.55	1.25	1.03	0.00	15.15	1.25	1.03	0.00
12.60	1.25	1.03	0.00	15.20	1.25	1.03	0.00
12.65	1.25	1.03	0.00	15.25	1.25	1.03	0.00
12.70	1.25	1.03	0.00	15.30	1.25	1.03	0.00
12.75	1.25	1.03	0.00	15.35	1.25	1.03	0.00
12.80	1.25	1.03	0.00	15.40	1.25	1.03	0.00
12.85	1.25	1.03	0.00	15.45	1.25	1.03	0.00
12.90	1.25	1.03	0.00	15.50	1.25	1.03	0.00
12.95	1.25	1.03	0.00	15.55	1.25	1.03	0.00

Hydrograph for Subcatchment 57l: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	1.03	0.00	18.20	1.25	1.03	0.00
15.65	1.25	1.03	0.00	18.25	1.25	1.03	0.00
15.70	1.25	1.03	0.00	18.30	1.25	1.03	0.00
15.75	1.25	1.03	0.00	18.35	1.25	1.03	0.00
15.80	1.25	1.03	0.00	18.40	1.25	1.03	0.00
15.85	1.25	1.03	0.00	18.45	1.25	1.03	0.00
15.90	1.25	1.03	0.00	18.50	1.25	1.03	0.00
15.95	1.25	1.03	0.00	18.55	1.25	1.03	0.00
16.00	1.25	1.03	0.00	18.60	1.25	1.03	0.00
16.05	1.25	1.03	0.00	18.65	1.25	1.03	0.00
16.10	1.25	1.03	0.00	18.70	1.25	1.03	0.00
16.15	1.25	1.03	0.00	18.75	1.25	1.03	0.00
16.20	1.25	1.03	0.00	18.80	1.25	1.03	0.00
16.25	1.25	1.03	0.00	18.85	1.25	1.03	0.00
16.30	1.25	1.03	0.00	18.90	1.25	1.03	0.00
16.35	1.25	1.03	0.00	18.95	1.25	1.03	0.00
16.40	1.25	1.03	0.00	19.00	1.25	1.03	0.00
16.45	1.25	1.03	0.00	19.05	1.25	1.03	0.00
16.50	1.25	1.03	0.00	19.10	1.25	1.03	0.00
16.55	1.25	1.03	0.00	19.15	1.25	1.03	0.00
16.60	1.25	1.03	0.00	19.20	1.25	1.03	0.00
16.65	1.25	1.03	0.00	19.25	1.25	1.03	0.00
16.70	1.25	1.03	0.00	19.30	1.25	1.03	0.00
16.75	1.25	1.03	0.00	19.35	1.25	1.03	0.00
16.80	1.25	1.03	0.00	19.40	1.25	1.03	0.00
16.85	1.25	1.03	0.00	19.45	1.25	1.03	0.00
16.90	1.25	1.03	0.00	19.50	1.25	1.03	0.00
16.95	1.25	1.03	0.00	19.55	1.25	1.03	0.00
17.00	1.25	1.03	0.00	19.60	1.25	1.03	0.00
17.05	1.25	1.03	0.00	19.65	1.25	1.03	0.00
17.10	1.25	1.03	0.00	19.70	1.25	1.03	0.00
17.15	1.25	1.03	0.00	19.75	1.25	1.03	0.00
17.20	1.25	1.03	0.00	19.80	1.25	1.03	0.00
17.25	1.25	1.03	0.00	19.85	1.25	1.03	0.00
17.30	1.25	1.03	0.00	19.90	1.25	1.03	0.00
17.35	1.25	1.03	0.00	19.95	1.25	1.03	0.00
17.40	1.25	1.03	0.00	20.00	1.25	1.03	0.00
17.45	1.25	1.03	0.00	20.05	1.25	1.03	0.00
17.50	1.25	1.03	0.00	20.10	1.25	1.03	0.00
17.55	1.25	1.03	0.00	20.15	1.25	1.03	0.00
17.60	1.25	1.03	0.00	20.20	1.25	1.03	0.00
17.65	1.25	1.03	0.00	20.25	1.25	1.03	0.00
17.70	1.25	1.03	0.00	20.30	1.25	1.03	0.00
17.75	1.25	1.03	0.00	20.35	1.25	1.03	0.00
17.80	1.25	1.03	0.00	20.40	1.25	1.03	0.00
17.85	1.25	1.03	0.00	20.45	1.25	1.03	0.00
17.90	1.25	1.03	0.00	20.50	1.25	1.03	0.00
17.95	1.25	1.03	0.00	20.55	1.25	1.03	0.00
18.00	1.25	1.03	0.00	20.60	1.25	1.03	0.00
18.05	1.25	1.03	0.00	20.65	1.25	1.03	0.00
18.10	1.25	1.03	0.00	20.70	1.25	1.03	0.00
18.15	1.25	1.03	0.00	20.75	1.25	1.03	0.00

Hydrograph for Subcatchment 57l: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	1.03	0.00	23.40	1.25	1.03	0.00
20.85	1.25	1.03	0.00	23.45	1.25	1.03	0.00
20.90	1.25	1.03	0.00	23.50	1.25	1.03	0.00
20.95	1.25	1.03	0.00	23.55	1.25	1.03	0.00
21.00	1.25	1.03	0.00	23.60	1.25	1.03	0.00
21.05	1.25	1.03	0.00	23.65	1.25	1.03	0.00
21.10	1.25	1.03	0.00	23.70	1.25	1.03	0.00
21.15	1.25	1.03	0.00	23.75	1.25	1.03	0.00
21.20	1.25	1.03	0.00	23.80	1.25	1.03	0.00
21.25	1.25	1.03	0.00	23.85	1.25	1.03	0.00
21.30	1.25	1.03	0.00	23.90	1.25	1.03	0.00
21.35	1.25	1.03	0.00	23.95	1.25	1.03	0.00
21.40	1.25	1.03	0.00	24.00	1.25	1.03	0.00
21.45	1.25	1.03	0.00	24.05	1.25	1.03	0.00
21.50	1.25	1.03	0.00	24.10	1.25	1.03	0.00
21.55	1.25	1.03	0.00	24.15	1.25	1.03	0.00
21.60	1.25	1.03	0.00	24.20	1.25	1.03	0.00
21.65	1.25	1.03	0.00	24.25	1.25	1.03	0.00
21.70	1.25	1.03	0.00	24.30	1.25	1.03	0.00
21.75	1.25	1.03	0.00	24.35	1.25	1.03	0.00
21.80	1.25	1.03	0.00	24.40	1.25	1.03	0.00
21.85	1.25	1.03	0.00	24.45	1.25	1.03	0.00
21.90	1.25	1.03	0.00	24.50	1.25	1.03	0.00
21.95	1.25	1.03	0.00	24.55	1.25	1.03	0.00
22.00	1.25	1.03	0.00	24.60	1.25	1.03	0.00
22.05	1.25	1.03	0.00	24.65	1.25	1.03	0.00
22.10	1.25	1.03	0.00	24.70	1.25	1.03	0.00
22.15	1.25	1.03	0.00	24.75	1.25	1.03	0.00
22.20	1.25	1.03	0.00	24.80	1.25	1.03	0.00
22.25	1.25	1.03	0.00	24.85	1.25	1.03	0.00
22.30	1.25	1.03	0.00	24.90	1.25	1.03	0.00
22.35	1.25	1.03	0.00	24.95	1.25	1.03	0.00
22.40	1.25	1.03	0.00	25.00	1.25	1.03	0.00
22.45	1.25	1.03	0.00	25.05	1.25	1.03	0.00
22.50	1.25	1.03	0.00	25.10	1.25	1.03	0.00
22.55	1.25	1.03	0.00	25.15	1.25	1.03	0.00
22.60	1.25	1.03	0.00	25.20	1.25	1.03	0.00
22.65	1.25	1.03	0.00	25.25	1.25	1.03	0.00
22.70	1.25	1.03	0.00	25.30	1.25	1.03	0.00
22.75	1.25	1.03	0.00	25.35	1.25	1.03	0.00
22.80	1.25	1.03	0.00	25.40	1.25	1.03	0.00
22.85	1.25	1.03	0.00	25.45	1.25	1.03	0.00
22.90	1.25	1.03	0.00	25.50	1.25	1.03	0.00
22.95	1.25	1.03	0.00	25.55	1.25	1.03	0.00
23.00	1.25	1.03	0.00	25.60	1.25	1.03	0.00
23.05	1.25	1.03	0.00	25.65	1.25	1.03	0.00
23.10	1.25	1.03	0.00	25.70	1.25	1.03	0.00
23.15	1.25	1.03	0.00	25.75	1.25	1.03	0.00
23.20	1.25	1.03	0.00	25.80	1.25	1.03	0.00
23.25	1.25	1.03	0.00	25.85	1.25	1.03	0.00
23.30	1.25	1.03	0.00	25.90	1.25	1.03	0.00
23.35	1.25	1.03	0.00	25.95	1.25	1.03	0.00

Hydrograph for Subcatchment 57I: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00	30.05	1.25	1.03	0.00
27.50	1.25	1.03	0.00	30.10	1.25	1.03	0.00
27.55	1.25	1.03	0.00	30.15	1.25	1.03	0.00
27.60	1.25	1.03	0.00	30.20	1.25	1.03	0.00
27.65	1.25	1.03	0.00	30.25	1.25	1.03	0.00
27.70	1.25	1.03	0.00	30.30	1.25	1.03	0.00
27.75	1.25	1.03	0.00	30.35	1.25	1.03	0.00
27.80	1.25	1.03	0.00	30.40	1.25	1.03	0.00
27.85	1.25	1.03	0.00	30.45	1.25	1.03	0.00
27.90	1.25	1.03	0.00	30.50	1.25	1.03	0.00
27.95	1.25	1.03	0.00	30.55	1.25	1.03	0.00
28.00	1.25	1.03	0.00	30.60	1.25	1.03	0.00
28.05	1.25	1.03	0.00	30.65	1.25	1.03	0.00
28.10	1.25	1.03	0.00	30.70	1.25	1.03	0.00
28.15	1.25	1.03	0.00	30.75	1.25	1.03	0.00
28.20	1.25	1.03	0.00	30.80	1.25	1.03	0.00
28.25	1.25	1.03	0.00	30.85	1.25	1.03	0.00
28.30	1.25	1.03	0.00	30.90	1.25	1.03	0.00
28.35	1.25	1.03	0.00	30.95	1.25	1.03	0.00
28.40	1.25	1.03	0.00	31.00	1.25	1.03	0.00
28.45	1.25	1.03	0.00	31.05	1.25	1.03	0.00
28.50	1.25	1.03	0.00	31.10	1.25	1.03	0.00
28.55	1.25	1.03	0.00	31.15	1.25	1.03	0.00

Hydrograph for Subcatchment 57l: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	1.03	0.00	33.80	1.25	1.03	0.00
31.25	1.25	1.03	0.00	33.85	1.25	1.03	0.00
31.30	1.25	1.03	0.00	33.90	1.25	1.03	0.00
31.35	1.25	1.03	0.00	33.95	1.25	1.03	0.00
31.40	1.25	1.03	0.00	34.00	1.25	1.03	0.00
31.45	1.25	1.03	0.00	34.05	1.25	1.03	0.00
31.50	1.25	1.03	0.00	34.10	1.25	1.03	0.00
31.55	1.25	1.03	0.00	34.15	1.25	1.03	0.00
31.60	1.25	1.03	0.00	34.20	1.25	1.03	0.00
31.65	1.25	1.03	0.00	34.25	1.25	1.03	0.00
31.70	1.25	1.03	0.00	34.30	1.25	1.03	0.00
31.75	1.25	1.03	0.00	34.35	1.25	1.03	0.00
31.80	1.25	1.03	0.00	34.40	1.25	1.03	0.00
31.85	1.25	1.03	0.00	34.45	1.25	1.03	0.00
31.90	1.25	1.03	0.00	34.50	1.25	1.03	0.00
31.95	1.25	1.03	0.00	34.55	1.25	1.03	0.00
32.00	1.25	1.03	0.00	34.60	1.25	1.03	0.00
32.05	1.25	1.03	0.00	34.65	1.25	1.03	0.00
32.10	1.25	1.03	0.00	34.70	1.25	1.03	0.00
32.15	1.25	1.03	0.00	34.75	1.25	1.03	0.00
32.20	1.25	1.03	0.00	34.80	1.25	1.03	0.00
32.25	1.25	1.03	0.00	34.85	1.25	1.03	0.00
32.30	1.25	1.03	0.00	34.90	1.25	1.03	0.00
32.35	1.25	1.03	0.00	34.95	1.25	1.03	0.00
32.40	1.25	1.03	0.00	35.00	1.25	1.03	0.00
32.45	1.25	1.03	0.00	35.05	1.25	1.03	0.00
32.50	1.25	1.03	0.00	35.10	1.25	1.03	0.00
32.55	1.25	1.03	0.00	35.15	1.25	1.03	0.00
32.60	1.25	1.03	0.00	35.20	1.25	1.03	0.00
32.65	1.25	1.03	0.00	35.25	1.25	1.03	0.00
32.70	1.25	1.03	0.00	35.30	1.25	1.03	0.00
32.75	1.25	1.03	0.00	35.35	1.25	1.03	0.00
32.80	1.25	1.03	0.00	35.40	1.25	1.03	0.00
32.85	1.25	1.03	0.00	35.45	1.25	1.03	0.00
32.90	1.25	1.03	0.00	35.50	1.25	1.03	0.00
32.95	1.25	1.03	0.00	35.55	1.25	1.03	0.00
33.00	1.25	1.03	0.00	35.60	1.25	1.03	0.00
33.05	1.25	1.03	0.00	35.65	1.25	1.03	0.00
33.10	1.25	1.03	0.00	35.70	1.25	1.03	0.00
33.15	1.25	1.03	0.00	35.75	1.25	1.03	0.00
33.20	1.25	1.03	0.00	35.80	1.25	1.03	0.00
33.25	1.25	1.03	0.00	35.85	1.25	1.03	0.00
33.30	1.25	1.03	0.00	35.90	1.25	1.03	0.00
33.35	1.25	1.03	0.00	35.95	1.25	1.03	0.00
33.40	1.25	1.03	0.00	36.00	1.25	1.03	0.00
33.45	1.25	1.03	0.00	36.05	1.25	1.03	0.00
33.50	1.25	1.03	0.00	36.10	1.25	1.03	0.00
33.55	1.25	1.03	0.00	36.15	1.25	1.03	0.00
33.60	1.25	1.03	0.00	36.20	1.25	1.03	0.00
33.65	1.25	1.03	0.00	36.25	1.25	1.03	0.00
33.70	1.25	1.03	0.00	36.30	1.25	1.03	0.00
33.75	1.25	1.03	0.00	36.35	1.25	1.03	0.00

Hydrograph for Subcatchment 57l: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	1.03	0.00
36.45	1.25	1.03	0.00
36.50	1.25	1.03	0.00
36.55	1.25	1.03	0.00
36.60	1.25	1.03	0.00
36.65	1.25	1.03	0.00
36.70	1.25	1.03	0.00
36.75	1.25	1.03	0.00
36.80	1.25	1.03	0.00
36.85	1.25	1.03	0.00
36.90	1.25	1.03	0.00
36.95	1.25	1.03	0.00
37.00	1.25	1.03	0.00
37.05	1.25	1.03	0.00
37.10	1.25	1.03	0.00
37.15	1.25	1.03	0.00
37.20	1.25	1.03	0.00
37.25	1.25	1.03	0.00
37.30	1.25	1.03	0.00
37.35	1.25	1.03	0.00
37.40	1.25	1.03	0.00
37.45	1.25	1.03	0.00
37.50	1.25	1.03	0.00
37.55	1.25	1.03	0.00
37.60	1.25	1.03	0.00
37.65	1.25	1.03	0.00
37.70	1.25	1.03	0.00
37.75	1.25	1.03	0.00
37.80	1.25	1.03	0.00
37.85	1.25	1.03	0.00
37.90	1.25	1.03	0.00
37.95	1.25	1.03	0.00
38.00	1.25	1.03	0.00
38.05	1.25	1.03	0.00
38.10	1.25	1.03	0.00
38.15	1.25	1.03	0.00
38.20	1.25	1.03	0.00
38.25	1.25	1.03	0.00
38.30	1.25	1.03	0.00
38.35	1.25	1.03	0.00
38.40	1.25	1.03	0.00
38.45	1.25	1.03	0.00
38.50	1.25	1.03	0.00
38.55	1.25	1.03	0.00
38.60	1.25	1.03	0.00
38.65	1.25	1.03	0.00
38.70	1.25	1.03	0.00
38.75	1.25	1.03	0.00
38.80	1.25	1.03	0.00
38.85	1.25	1.03	0.00
38.90	1.25	1.03	0.00
38.95	1.25	1.03	0.00
39.00	1.25	1.03	0.00
39.05	1.25	1.03	0.00
39.10	1.25	1.03	0.00
39.15	1.25	1.03	0.00
39.20	1.25	1.03	0.00
39.25	1.25	1.03	0.00
39.30	1.25	1.03	0.00
39.35	1.25	1.03	0.00
39.40	1.25	1.03	0.00
39.45	1.25	1.03	0.00
39.50	1.25	1.03	0.00
39.55	1.25	1.03	0.00
39.60	1.25	1.03	0.00
39.65	1.25	1.03	0.00
39.70	1.25	1.03	0.00
39.75	1.25	1.03	0.00
39.80	1.25	1.03	0.00
39.85	1.25	1.03	0.00
39.90	1.25	1.03	0.00
39.95	1.25	1.03	0.00
40.00	1.25	1.03	0.00

Summary for Subcatchment 57P: PDA-57 (pervious)

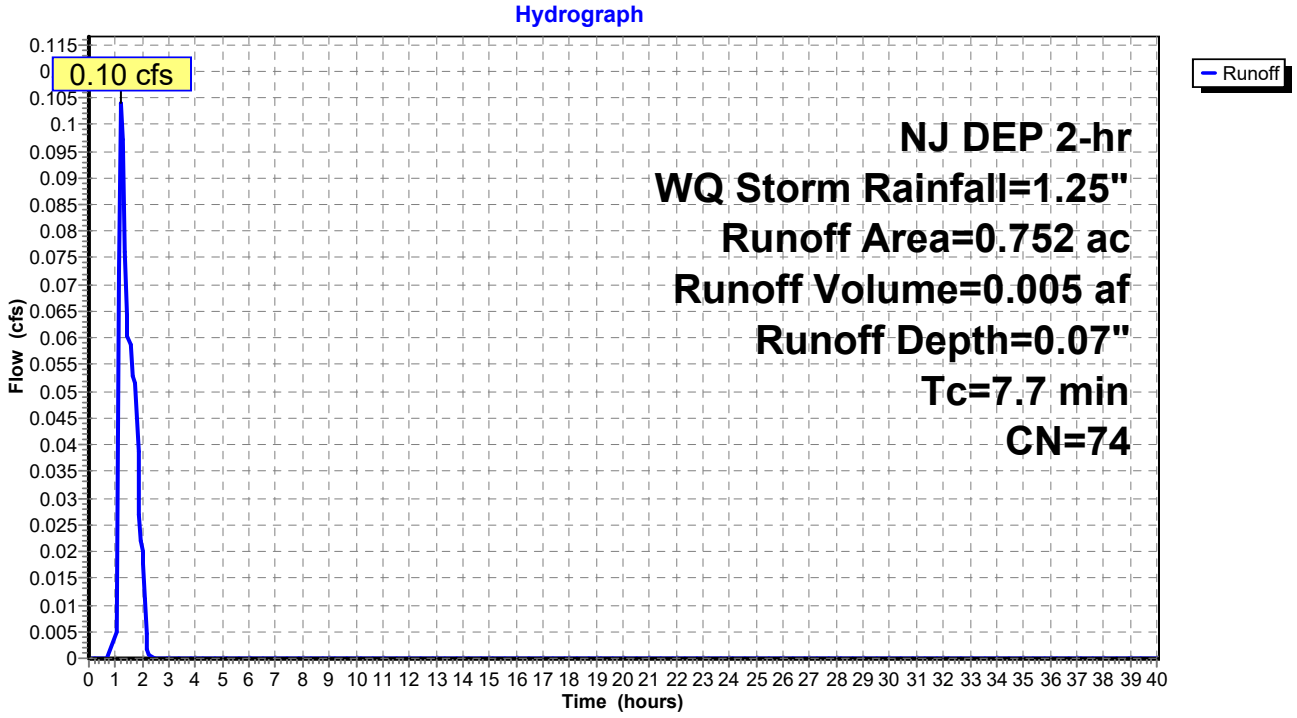
Runoff = 0.10 cfs @ 1.23 hrs, Volume= 0.005 af, Depth= 0.07"
Routed to Pond B-57 : Basin #57

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
0.752	74	>75% Grass cover, Good, HSG C
0.752		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
7.7					**Direct Entry,**

Subcatchment 57P: PDA-57 (pervious)



Hydrograph for Subcatchment 57P: PDA-57 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.07	0.00
1.10	0.91	0.01	0.02	3.70	1.25	0.07	0.00
1.15	0.97	0.02	0.07	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.10	3.80	1.25	0.07	0.00
1.25	1.05	0.03	**0.10**	3.85	1.25	0.07	0.00
1.30	1.07	0.03	0.09	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.08	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.06	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.06	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.06	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.06	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.06	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.05	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.05	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.05	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.05	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.04	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.03	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.02	4.55	1.25	0.07	0.00
2.00	**1.25**	**0.07**	0.02	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.02	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.01	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.00	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.00	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.00	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.00	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00
36.45	1.25	0.07	0.00
36.50	1.25	0.07	0.00
36.55	1.25	0.07	0.00
36.60	1.25	0.07	0.00
36.65	1.25	0.07	0.00
36.70	1.25	0.07	0.00
36.75	1.25	0.07	0.00
36.80	1.25	0.07	0.00
36.85	1.25	0.07	0.00
36.90	1.25	0.07	0.00
36.95	1.25	0.07	0.00
37.00	1.25	0.07	0.00
37.05	1.25	0.07	0.00
37.10	1.25	0.07	0.00
37.15	1.25	0.07	0.00
37.20	1.25	0.07	0.00
37.25	1.25	0.07	0.00
37.30	1.25	0.07	0.00
37.35	1.25	0.07	0.00
37.40	1.25	0.07	0.00
37.45	1.25	0.07	0.00
37.50	1.25	0.07	0.00
37.55	1.25	0.07	0.00
37.60	1.25	0.07	0.00
37.65	1.25	0.07	0.00
37.70	1.25	0.07	0.00
37.75	1.25	0.07	0.00
37.80	1.25	0.07	0.00
37.85	1.25	0.07	0.00
37.90	1.25	0.07	0.00
37.95	1.25	0.07	0.00
38.00	1.25	0.07	0.00
38.05	1.25	0.07	0.00
38.10	1.25	0.07	0.00
38.15	1.25	0.07	0.00
38.20	1.25	0.07	0.00
38.25	1.25	0.07	0.00
38.30	1.25	0.07	0.00
38.35	1.25	0.07	0.00
38.40	1.25	0.07	0.00
38.45	1.25	0.07	0.00
38.50	1.25	0.07	0.00
38.55	1.25	0.07	0.00
38.60	1.25	0.07	0.00
38.65	1.25	0.07	0.00
38.70	1.25	0.07	0.00
38.75	1.25	0.07	0.00
38.80	1.25	0.07	0.00
38.85	1.25	0.07	0.00
38.90	1.25	0.07	0.00
38.95	1.25	0.07	0.00
39.00	1.25	0.07	0.00
39.05	1.25	0.07	0.00
39.10	1.25	0.07	0.00
39.15	1.25	0.07	0.00
39.20	1.25	0.07	0.00
39.25	1.25	0.07	0.00
39.30	1.25	0.07	0.00
39.35	1.25	0.07	0.00
39.40	1.25	0.07	0.00
39.45	1.25	0.07	0.00
39.50	1.25	0.07	0.00
39.55	1.25	0.07	0.00
39.60	1.25	0.07	0.00
39.65	1.25	0.07	0.00
39.70	1.25	0.07	0.00
39.75	1.25	0.07	0.00
39.80	1.25	0.07	0.00
39.85	1.25	0.07	0.00
39.90	1.25	0.07	0.00
39.95	1.25	0.07	0.00
40.00	1.25	0.07	0.00

Summary for Subcatchment 58I: PDA-58 (impervious)

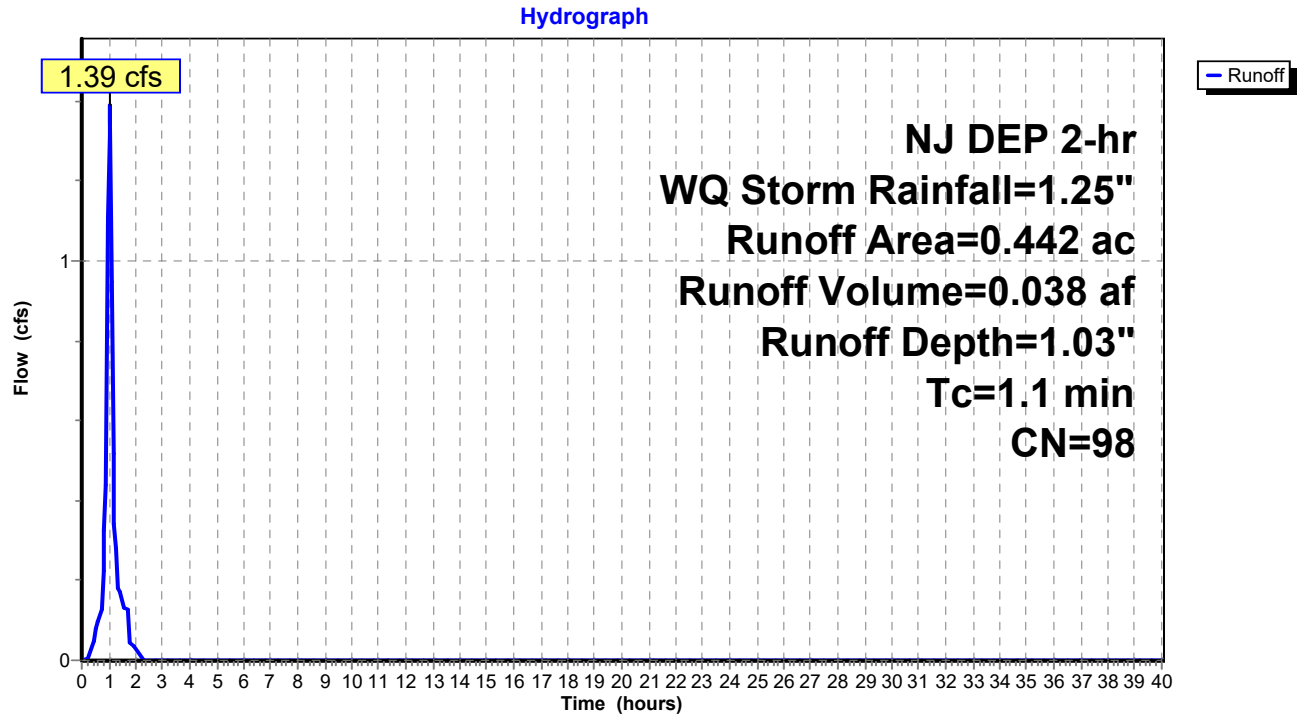
Runoff = 1.39 cfs @ 1.03 hrs, Volume= 0.038 af, Depth= 1.03"
Routed to Pond B-58 : Basin #58

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

	Area (ac)	CN	Description
*	0.442	98	Roof, HSG C
*	0.000	98	Concrete, HSG C
	0.442	98	Weighted Average
	0.442		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.1					**Direct Entry,**

Subcatchment 58I: PDA-58 (impervious)



Hydrograph for Subcatchment 58I: PDA-58 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	1.03	0.00
0.05	0.00	0.00	0.00	2.65	1.25	1.03	0.00
0.10	0.01	0.00	0.00	2.70	1.25	1.03	0.00
0.15	0.01	0.00	0.00	2.75	1.25	1.03	0.00
0.20	0.02	0.00	0.00	2.80	1.25	1.03	0.00
0.25	0.03	0.00	0.00	2.85	1.25	1.03	0.00
0.30	0.04	0.00	0.00	2.90	1.25	1.03	0.00
0.35	0.06	0.00	0.01	2.95	1.25	1.03	0.00
0.40	0.07	0.00	0.03	3.00	1.25	1.03	0.00
0.45	0.09	0.01	0.04	3.05	1.25	1.03	0.00
0.50	0.10	0.01	0.05	3.10	1.25	1.03	0.00
0.55	0.12	0.02	0.08	3.15	1.25	1.03	0.00
0.60	0.14	0.03	0.09	3.20	1.25	1.03	0.00
0.65	0.16	0.04	0.10	3.25	1.25	1.03	0.00
0.70	0.18	0.06	0.11	3.30	1.25	1.03	0.00
0.75	0.20	0.07	0.14	3.35	1.25	1.03	0.00
0.80	0.23	0.09	0.22	3.40	1.25	1.03	0.00
0.85	0.28	0.13	0.33	3.45	1.25	1.03	0.00
0.90	0.34	0.18	0.44	3.50	1.25	1.03	0.00
0.95	0.46	0.29	1.11	3.55	1.25	1.03	0.00
1.00	0.63	0.43	1.31	3.60	1.25	1.03	0.00
1.05	0.79	0.58	**1.35**	3.65	1.25	1.03	0.00
1.10	0.91	0.71	0.95	3.70	1.25	1.03	0.00
1.15	0.97	0.76	0.52	3.75	1.25	1.03	0.00
1.20	1.02	0.81	0.34	3.80	1.25	1.03	0.00
1.25	1.05	0.84	0.28	3.85	1.25	1.03	0.00
1.30	1.07	0.86	0.18	3.90	1.25	1.03	0.00
1.35	1.09	0.88	0.17	3.95	1.25	1.03	0.00
1.40	1.11	0.90	0.17	4.00	1.25	1.03	0.00
1.45	1.13	0.92	0.17	4.05	1.25	1.03	0.00
1.50	1.15	0.94	0.16	4.10	1.25	1.03	0.00
1.55	1.17	0.95	0.13	4.15	1.25	1.03	0.00
1.60	1.18	0.97	0.13	4.20	1.25	1.03	0.00
1.65	1.20	0.98	0.13	4.25	1.25	1.03	0.00
1.70	1.21	1.00	0.13	4.30	1.25	1.03	0.00
1.75	1.23	1.01	0.12	4.35	1.25	1.03	0.00
1.80	1.23	1.02	0.05	4.40	1.25	1.03	0.00
1.85	1.24	1.02	0.04	4.45	1.25	1.03	0.00
1.90	1.24	1.02	0.04	4.50	1.25	1.03	0.00
1.95	1.25	1.03	0.04	4.55	1.25	1.03	0.00
2.00	**1.25**	**1.03**	0.04	4.60	1.25	1.03	0.00
2.05	1.25	1.03	0.00	4.65	1.25	1.03	0.00
2.10	1.25	1.03	0.00	4.70	1.25	1.03	0.00
2.15	1.25	1.03	0.00	4.75	1.25	1.03	0.00
2.20	1.25	1.03	0.00	4.80	1.25	1.03	0.00
2.25	1.25	1.03	0.00	4.85	1.25	1.03	0.00
2.30	1.25	1.03	0.00	4.90	1.25	1.03	0.00
2.35	1.25	1.03	0.00	4.95	1.25	1.03	0.00
2.40	1.25	1.03	0.00	5.00	1.25	1.03	0.00
2.45	1.25	1.03	0.00	5.05	1.25	1.03	0.00
2.50	1.25	1.03	0.00	5.10	1.25	1.03	0.00
2.55	1.25	1.03	0.00	5.15	1.25	1.03	0.00

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	1.03	0.00	7.80	1.25	1.03	0.00
5.25	1.25	1.03	0.00	7.85	1.25	1.03	0.00
5.30	1.25	1.03	0.00	7.90	1.25	1.03	0.00
5.35	1.25	1.03	0.00	7.95	1.25	1.03	0.00
5.40	1.25	1.03	0.00	8.00	1.25	1.03	0.00
5.45	1.25	1.03	0.00	8.05	1.25	1.03	0.00
5.50	1.25	1.03	0.00	8.10	1.25	1.03	0.00
5.55	1.25	1.03	0.00	8.15	1.25	1.03	0.00
5.60	1.25	1.03	0.00	8.20	1.25	1.03	0.00
5.65	1.25	1.03	0.00	8.25	1.25	1.03	0.00
5.70	1.25	1.03	0.00	8.30	1.25	1.03	0.00
5.75	1.25	1.03	0.00	8.35	1.25	1.03	0.00
5.80	1.25	1.03	0.00	8.40	1.25	1.03	0.00
5.85	1.25	1.03	0.00	8.45	1.25	1.03	0.00
5.90	1.25	1.03	0.00	8.50	1.25	1.03	0.00
5.95	1.25	1.03	0.00	8.55	1.25	1.03	0.00
6.00	1.25	1.03	0.00	8.60	1.25	1.03	0.00
6.05	1.25	1.03	0.00	8.65	1.25	1.03	0.00
6.10	1.25	1.03	0.00	8.70	1.25	1.03	0.00
6.15	1.25	1.03	0.00	8.75	1.25	1.03	0.00
6.20	1.25	1.03	0.00	8.80	1.25	1.03	0.00
6.25	1.25	1.03	0.00	8.85	1.25	1.03	0.00
6.30	1.25	1.03	0.00	8.90	1.25	1.03	0.00
6.35	1.25	1.03	0.00	8.95	1.25	1.03	0.00
6.40	1.25	1.03	0.00	9.00	1.25	1.03	0.00
6.45	1.25	1.03	0.00	9.05	1.25	1.03	0.00
6.50	1.25	1.03	0.00	9.10	1.25	1.03	0.00
6.55	1.25	1.03	0.00	9.15	1.25	1.03	0.00
6.60	1.25	1.03	0.00	9.20	1.25	1.03	0.00
6.65	1.25	1.03	0.00	9.25	1.25	1.03	0.00
6.70	1.25	1.03	0.00	9.30	1.25	1.03	0.00
6.75	1.25	1.03	0.00	9.35	1.25	1.03	0.00
6.80	1.25	1.03	0.00	9.40	1.25	1.03	0.00
6.85	1.25	1.03	0.00	9.45	1.25	1.03	0.00
6.90	1.25	1.03	0.00	9.50	1.25	1.03	0.00
6.95	1.25	1.03	0.00	9.55	1.25	1.03	0.00
7.00	1.25	1.03	0.00	9.60	1.25	1.03	0.00
7.05	1.25	1.03	0.00	9.65	1.25	1.03	0.00
7.10	1.25	1.03	0.00	9.70	1.25	1.03	0.00
7.15	1.25	1.03	0.00	9.75	1.25	1.03	0.00
7.20	1.25	1.03	0.00	9.80	1.25	1.03	0.00
7.25	1.25	1.03	0.00	9.85	1.25	1.03	0.00
7.30	1.25	1.03	0.00	9.90	1.25	1.03	0.00
7.35	1.25	1.03	0.00	9.95	1.25	1.03	0.00
7.40	1.25	1.03	0.00	10.00	1.25	1.03	0.00
7.45	1.25	1.03	0.00	10.05	1.25	1.03	0.00
7.50	1.25	1.03	0.00	10.10	1.25	1.03	0.00
7.55	1.25	1.03	0.00	10.15	1.25	1.03	0.00
7.60	1.25	1.03	0.00	10.20	1.25	1.03	0.00
7.65	1.25	1.03	0.00	10.25	1.25	1.03	0.00
7.70	1.25	1.03	0.00	10.30	1.25	1.03	0.00
7.75	1.25	1.03	0.00	10.35	1.25	1.03	0.00

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	1.03	0.00	13.00	1.25	1.03	0.00
10.45	1.25	1.03	0.00	13.05	1.25	1.03	0.00
10.50	1.25	1.03	0.00	13.10	1.25	1.03	0.00
10.55	1.25	1.03	0.00	13.15	1.25	1.03	0.00
10.60	1.25	1.03	0.00	13.20	1.25	1.03	0.00
10.65	1.25	1.03	0.00	13.25	1.25	1.03	0.00
10.70	1.25	1.03	0.00	13.30	1.25	1.03	0.00
10.75	1.25	1.03	0.00	13.35	1.25	1.03	0.00
10.80	1.25	1.03	0.00	13.40	1.25	1.03	0.00
10.85	1.25	1.03	0.00	13.45	1.25	1.03	0.00
10.90	1.25	1.03	0.00	13.50	1.25	1.03	0.00
10.95	1.25	1.03	0.00	13.55	1.25	1.03	0.00
11.00	1.25	1.03	0.00	13.60	1.25	1.03	0.00
11.05	1.25	1.03	0.00	13.65	1.25	1.03	0.00
11.10	1.25	1.03	0.00	13.70	1.25	1.03	0.00
11.15	1.25	1.03	0.00	13.75	1.25	1.03	0.00
11.20	1.25	1.03	0.00	13.80	1.25	1.03	0.00
11.25	1.25	1.03	0.00	13.85	1.25	1.03	0.00
11.30	1.25	1.03	0.00	13.90	1.25	1.03	0.00
11.35	1.25	1.03	0.00	13.95	1.25	1.03	0.00
11.40	1.25	1.03	0.00	14.00	1.25	1.03	0.00
11.45	1.25	1.03	0.00	14.05	1.25	1.03	0.00
11.50	1.25	1.03	0.00	14.10	1.25	1.03	0.00
11.55	1.25	1.03	0.00	14.15	1.25	1.03	0.00
11.60	1.25	1.03	0.00	14.20	1.25	1.03	0.00
11.65	1.25	1.03	0.00	14.25	1.25	1.03	0.00
11.70	1.25	1.03	0.00	14.30	1.25	1.03	0.00
11.75	1.25	1.03	0.00	14.35	1.25	1.03	0.00
11.80	1.25	1.03	0.00	14.40	1.25	1.03	0.00
11.85	1.25	1.03	0.00	14.45	1.25	1.03	0.00
11.90	1.25	1.03	0.00	14.50	1.25	1.03	0.00
11.95	1.25	1.03	0.00	14.55	1.25	1.03	0.00
12.00	1.25	1.03	0.00	14.60	1.25	1.03	0.00
12.05	1.25	1.03	0.00	14.65	1.25	1.03	0.00
12.10	1.25	1.03	0.00	14.70	1.25	1.03	0.00
12.15	1.25	1.03	0.00	14.75	1.25	1.03	0.00
12.20	1.25	1.03	0.00	14.80	1.25	1.03	0.00
12.25	1.25	1.03	0.00	14.85	1.25	1.03	0.00
12.30	1.25	1.03	0.00	14.90	1.25	1.03	0.00
12.35	1.25	1.03	0.00	14.95	1.25	1.03	0.00
12.40	1.25	1.03	0.00	15.00	1.25	1.03	0.00
12.45	1.25	1.03	0.00	15.05	1.25	1.03	0.00
12.50	1.25	1.03	0.00	15.10	1.25	1.03	0.00
12.55	1.25	1.03	0.00	15.15	1.25	1.03	0.00
12.60	1.25	1.03	0.00	15.20	1.25	1.03	0.00
12.65	1.25	1.03	0.00	15.25	1.25	1.03	0.00
12.70	1.25	1.03	0.00	15.30	1.25	1.03	0.00
12.75	1.25	1.03	0.00	15.35	1.25	1.03	0.00
12.80	1.25	1.03	0.00	15.40	1.25	1.03	0.00
12.85	1.25	1.03	0.00	15.45	1.25	1.03	0.00
12.90	1.25	1.03	0.00	15.50	1.25	1.03	0.00
12.95	1.25	1.03	0.00	15.55	1.25	1.03	0.00

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	1.03	0.00	18.20	1.25	1.03	0.00
15.65	1.25	1.03	0.00	18.25	1.25	1.03	0.00
15.70	1.25	1.03	0.00	18.30	1.25	1.03	0.00
15.75	1.25	1.03	0.00	18.35	1.25	1.03	0.00
15.80	1.25	1.03	0.00	18.40	1.25	1.03	0.00
15.85	1.25	1.03	0.00	18.45	1.25	1.03	0.00
15.90	1.25	1.03	0.00	18.50	1.25	1.03	0.00
15.95	1.25	1.03	0.00	18.55	1.25	1.03	0.00
16.00	1.25	1.03	0.00	18.60	1.25	1.03	0.00
16.05	1.25	1.03	0.00	18.65	1.25	1.03	0.00
16.10	1.25	1.03	0.00	18.70	1.25	1.03	0.00
16.15	1.25	1.03	0.00	18.75	1.25	1.03	0.00
16.20	1.25	1.03	0.00	18.80	1.25	1.03	0.00
16.25	1.25	1.03	0.00	18.85	1.25	1.03	0.00
16.30	1.25	1.03	0.00	18.90	1.25	1.03	0.00
16.35	1.25	1.03	0.00	18.95	1.25	1.03	0.00
16.40	1.25	1.03	0.00	19.00	1.25	1.03	0.00
16.45	1.25	1.03	0.00	19.05	1.25	1.03	0.00
16.50	1.25	1.03	0.00	19.10	1.25	1.03	0.00
16.55	1.25	1.03	0.00	19.15	1.25	1.03	0.00
16.60	1.25	1.03	0.00	19.20	1.25	1.03	0.00
16.65	1.25	1.03	0.00	19.25	1.25	1.03	0.00
16.70	1.25	1.03	0.00	19.30	1.25	1.03	0.00
16.75	1.25	1.03	0.00	19.35	1.25	1.03	0.00
16.80	1.25	1.03	0.00	19.40	1.25	1.03	0.00
16.85	1.25	1.03	0.00	19.45	1.25	1.03	0.00
16.90	1.25	1.03	0.00	19.50	1.25	1.03	0.00
16.95	1.25	1.03	0.00	19.55	1.25	1.03	0.00
17.00	1.25	1.03	0.00	19.60	1.25	1.03	0.00
17.05	1.25	1.03	0.00	19.65	1.25	1.03	0.00
17.10	1.25	1.03	0.00	19.70	1.25	1.03	0.00
17.15	1.25	1.03	0.00	19.75	1.25	1.03	0.00
17.20	1.25	1.03	0.00	19.80	1.25	1.03	0.00
17.25	1.25	1.03	0.00	19.85	1.25	1.03	0.00
17.30	1.25	1.03	0.00	19.90	1.25	1.03	0.00
17.35	1.25	1.03	0.00	19.95	1.25	1.03	0.00
17.40	1.25	1.03	0.00	20.00	1.25	1.03	0.00
17.45	1.25	1.03	0.00	20.05	1.25	1.03	0.00
17.50	1.25	1.03	0.00	20.10	1.25	1.03	0.00
17.55	1.25	1.03	0.00	20.15	1.25	1.03	0.00
17.60	1.25	1.03	0.00	20.20	1.25	1.03	0.00
17.65	1.25	1.03	0.00	20.25	1.25	1.03	0.00
17.70	1.25	1.03	0.00	20.30	1.25	1.03	0.00
17.75	1.25	1.03	0.00	20.35	1.25	1.03	0.00
17.80	1.25	1.03	0.00	20.40	1.25	1.03	0.00
17.85	1.25	1.03	0.00	20.45	1.25	1.03	0.00
17.90	1.25	1.03	0.00	20.50	1.25	1.03	0.00
17.95	1.25	1.03	0.00	20.55	1.25	1.03	0.00
18.00	1.25	1.03	0.00	20.60	1.25	1.03	0.00
18.05	1.25	1.03	0.00	20.65	1.25	1.03	0.00
18.10	1.25	1.03	0.00	20.70	1.25	1.03	0.00
18.15	1.25	1.03	0.00	20.75	1.25	1.03	0.00

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	1.03	0.00	23.40	1.25	1.03	0.00
20.85	1.25	1.03	0.00	23.45	1.25	1.03	0.00
20.90	1.25	1.03	0.00	23.50	1.25	1.03	0.00
20.95	1.25	1.03	0.00	23.55	1.25	1.03	0.00
21.00	1.25	1.03	0.00	23.60	1.25	1.03	0.00
21.05	1.25	1.03	0.00	23.65	1.25	1.03	0.00
21.10	1.25	1.03	0.00	23.70	1.25	1.03	0.00
21.15	1.25	1.03	0.00	23.75	1.25	1.03	0.00
21.20	1.25	1.03	0.00	23.80	1.25	1.03	0.00
21.25	1.25	1.03	0.00	23.85	1.25	1.03	0.00
21.30	1.25	1.03	0.00	23.90	1.25	1.03	0.00
21.35	1.25	1.03	0.00	23.95	1.25	1.03	0.00
21.40	1.25	1.03	0.00	24.00	1.25	1.03	0.00
21.45	1.25	1.03	0.00	24.05	1.25	1.03	0.00
21.50	1.25	1.03	0.00	24.10	1.25	1.03	0.00
21.55	1.25	1.03	0.00	24.15	1.25	1.03	0.00
21.60	1.25	1.03	0.00	24.20	1.25	1.03	0.00
21.65	1.25	1.03	0.00	24.25	1.25	1.03	0.00
21.70	1.25	1.03	0.00	24.30	1.25	1.03	0.00
21.75	1.25	1.03	0.00	24.35	1.25	1.03	0.00
21.80	1.25	1.03	0.00	24.40	1.25	1.03	0.00
21.85	1.25	1.03	0.00	24.45	1.25	1.03	0.00
21.90	1.25	1.03	0.00	24.50	1.25	1.03	0.00
21.95	1.25	1.03	0.00	24.55	1.25	1.03	0.00
22.00	1.25	1.03	0.00	24.60	1.25	1.03	0.00
22.05	1.25	1.03	0.00	24.65	1.25	1.03	0.00
22.10	1.25	1.03	0.00	24.70	1.25	1.03	0.00
22.15	1.25	1.03	0.00	24.75	1.25	1.03	0.00
22.20	1.25	1.03	0.00	24.80	1.25	1.03	0.00
22.25	1.25	1.03	0.00	24.85	1.25	1.03	0.00
22.30	1.25	1.03	0.00	24.90	1.25	1.03	0.00
22.35	1.25	1.03	0.00	24.95	1.25	1.03	0.00
22.40	1.25	1.03	0.00	25.00	1.25	1.03	0.00
22.45	1.25	1.03	0.00	25.05	1.25	1.03	0.00
22.50	1.25	1.03	0.00	25.10	1.25	1.03	0.00
22.55	1.25	1.03	0.00	25.15	1.25	1.03	0.00
22.60	1.25	1.03	0.00	25.20	1.25	1.03	0.00
22.65	1.25	1.03	0.00	25.25	1.25	1.03	0.00
22.70	1.25	1.03	0.00	25.30	1.25	1.03	0.00
22.75	1.25	1.03	0.00	25.35	1.25	1.03	0.00
22.80	1.25	1.03	0.00	25.40	1.25	1.03	0.00
22.85	1.25	1.03	0.00	25.45	1.25	1.03	0.00
22.90	1.25	1.03	0.00	25.50	1.25	1.03	0.00
22.95	1.25	1.03	0.00	25.55	1.25	1.03	0.00
23.00	1.25	1.03	0.00	25.60	1.25	1.03	0.00
23.05	1.25	1.03	0.00	25.65	1.25	1.03	0.00
23.10	1.25	1.03	0.00	25.70	1.25	1.03	0.00
23.15	1.25	1.03	0.00	25.75	1.25	1.03	0.00
23.20	1.25	1.03	0.00	25.80	1.25	1.03	0.00
23.25	1.25	1.03	0.00	25.85	1.25	1.03	0.00
23.30	1.25	1.03	0.00	25.90	1.25	1.03	0.00
23.35	1.25	1.03	0.00	25.95	1.25	1.03	0.00

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00	30.05	1.25	1.03	0.00
27.50	1.25	1.03	0.00	30.10	1.25	1.03	0.00
27.55	1.25	1.03	0.00	30.15	1.25	1.03	0.00
27.60	1.25	1.03	0.00	30.20	1.25	1.03	0.00
27.65	1.25	1.03	0.00	30.25	1.25	1.03	0.00
27.70	1.25	1.03	0.00	30.30	1.25	1.03	0.00
27.75	1.25	1.03	0.00	30.35	1.25	1.03	0.00
27.80	1.25	1.03	0.00	30.40	1.25	1.03	0.00
27.85	1.25	1.03	0.00	30.45	1.25	1.03	0.00
27.90	1.25	1.03	0.00	30.50	1.25	1.03	0.00
27.95	1.25	1.03	0.00	30.55	1.25	1.03	0.00
28.00	1.25	1.03	0.00	30.60	1.25	1.03	0.00
28.05	1.25	1.03	0.00	30.65	1.25	1.03	0.00
28.10	1.25	1.03	0.00	30.70	1.25	1.03	0.00
28.15	1.25	1.03	0.00	30.75	1.25	1.03	0.00
28.20	1.25	1.03	0.00	30.80	1.25	1.03	0.00
28.25	1.25	1.03	0.00	30.85	1.25	1.03	0.00
28.30	1.25	1.03	0.00	30.90	1.25	1.03	0.00
28.35	1.25	1.03	0.00	30.95	1.25	1.03	0.00
28.40	1.25	1.03	0.00	31.00	1.25	1.03	0.00
28.45	1.25	1.03	0.00	31.05	1.25	1.03	0.00
28.50	1.25	1.03	0.00	31.10	1.25	1.03	0.00
28.55	1.25	1.03	0.00	31.15	1.25	1.03	0.00

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	1.03	0.00	33.80	1.25	1.03	0.00
31.25	1.25	1.03	0.00	33.85	1.25	1.03	0.00
31.30	1.25	1.03	0.00	33.90	1.25	1.03	0.00
31.35	1.25	1.03	0.00	33.95	1.25	1.03	0.00
31.40	1.25	1.03	0.00	34.00	1.25	1.03	0.00
31.45	1.25	1.03	0.00	34.05	1.25	1.03	0.00
31.50	1.25	1.03	0.00	34.10	1.25	1.03	0.00
31.55	1.25	1.03	0.00	34.15	1.25	1.03	0.00
31.60	1.25	1.03	0.00	34.20	1.25	1.03	0.00
31.65	1.25	1.03	0.00	34.25	1.25	1.03	0.00
31.70	1.25	1.03	0.00	34.30	1.25	1.03	0.00
31.75	1.25	1.03	0.00	34.35	1.25	1.03	0.00
31.80	1.25	1.03	0.00	34.40	1.25	1.03	0.00
31.85	1.25	1.03	0.00	34.45	1.25	1.03	0.00
31.90	1.25	1.03	0.00	34.50	1.25	1.03	0.00
31.95	1.25	1.03	0.00	34.55	1.25	1.03	0.00
32.00	1.25	1.03	0.00	34.60	1.25	1.03	0.00
32.05	1.25	1.03	0.00	34.65	1.25	1.03	0.00
32.10	1.25	1.03	0.00	34.70	1.25	1.03	0.00
32.15	1.25	1.03	0.00	34.75	1.25	1.03	0.00
32.20	1.25	1.03	0.00	34.80	1.25	1.03	0.00
32.25	1.25	1.03	0.00	34.85	1.25	1.03	0.00
32.30	1.25	1.03	0.00	34.90	1.25	1.03	0.00
32.35	1.25	1.03	0.00	34.95	1.25	1.03	0.00
32.40	1.25	1.03	0.00	35.00	1.25	1.03	0.00
32.45	1.25	1.03	0.00	35.05	1.25	1.03	0.00
32.50	1.25	1.03	0.00	35.10	1.25	1.03	0.00
32.55	1.25	1.03	0.00	35.15	1.25	1.03	0.00
32.60	1.25	1.03	0.00	35.20	1.25	1.03	0.00
32.65	1.25	1.03	0.00	35.25	1.25	1.03	0.00
32.70	1.25	1.03	0.00	35.30	1.25	1.03	0.00
32.75	1.25	1.03	0.00	35.35	1.25	1.03	0.00
32.80	1.25	1.03	0.00	35.40	1.25	1.03	0.00
32.85	1.25	1.03	0.00	35.45	1.25	1.03	0.00
32.90	1.25	1.03	0.00	35.50	1.25	1.03	0.00
32.95	1.25	1.03	0.00	35.55	1.25	1.03	0.00
33.00	1.25	1.03	0.00	35.60	1.25	1.03	0.00
33.05	1.25	1.03	0.00	35.65	1.25	1.03	0.00
33.10	1.25	1.03	0.00	35.70	1.25	1.03	0.00
33.15	1.25	1.03	0.00	35.75	1.25	1.03	0.00
33.20	1.25	1.03	0.00	35.80	1.25	1.03	0.00
33.25	1.25	1.03	0.00	35.85	1.25	1.03	0.00
33.30	1.25	1.03	0.00	35.90	1.25	1.03	0.00
33.35	1.25	1.03	0.00	35.95	1.25	1.03	0.00
33.40	1.25	1.03	0.00	36.00	1.25	1.03	0.00
33.45	1.25	1.03	0.00	36.05	1.25	1.03	0.00
33.50	1.25	1.03	0.00	36.10	1.25	1.03	0.00
33.55	1.25	1.03	0.00	36.15	1.25	1.03	0.00
33.60	1.25	1.03	0.00	36.20	1.25	1.03	0.00
33.65	1.25	1.03	0.00	36.25	1.25	1.03	0.00
33.70	1.25	1.03	0.00	36.30	1.25	1.03	0.00
33.75	1.25	1.03	0.00	36.35	1.25	1.03	0.00

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	1.03	0.00
36.45	1.25	1.03	0.00
36.50	1.25	1.03	0.00
36.55	1.25	1.03	0.00
36.60	1.25	1.03	0.00
36.65	1.25	1.03	0.00
36.70	1.25	1.03	0.00
36.75	1.25	1.03	0.00
36.80	1.25	1.03	0.00
36.85	1.25	1.03	0.00
36.90	1.25	1.03	0.00
36.95	1.25	1.03	0.00
37.00	1.25	1.03	0.00
37.05	1.25	1.03	0.00
37.10	1.25	1.03	0.00
37.15	1.25	1.03	0.00
37.20	1.25	1.03	0.00
37.25	1.25	1.03	0.00
37.30	1.25	1.03	0.00
37.35	1.25	1.03	0.00
37.40	1.25	1.03	0.00
37.45	1.25	1.03	0.00
37.50	1.25	1.03	0.00
37.55	1.25	1.03	0.00
37.60	1.25	1.03	0.00
37.65	1.25	1.03	0.00
37.70	1.25	1.03	0.00
37.75	1.25	1.03	0.00
37.80	1.25	1.03	0.00
37.85	1.25	1.03	0.00
37.90	1.25	1.03	0.00
37.95	1.25	1.03	0.00
38.00	1.25	1.03	0.00
38.05	1.25	1.03	0.00
38.10	1.25	1.03	0.00
38.15	1.25	1.03	0.00
38.20	1.25	1.03	0.00
38.25	1.25	1.03	0.00
38.30	1.25	1.03	0.00
38.35	1.25	1.03	0.00
38.40	1.25	1.03	0.00
38.45	1.25	1.03	0.00
38.50	1.25	1.03	0.00
38.55	1.25	1.03	0.00
38.60	1.25	1.03	0.00
38.65	1.25	1.03	0.00
38.70	1.25	1.03	0.00
38.75	1.25	1.03	0.00
38.80	1.25	1.03	0.00
38.85	1.25	1.03	0.00
38.90	1.25	1.03	0.00
38.95	1.25	1.03	0.00
39.00	1.25	1.03	0.00
39.05	1.25	1.03	0.00
39.10	1.25	1.03	0.00
39.15	1.25	1.03	0.00
39.20	1.25	1.03	0.00
39.25	1.25	1.03	0.00
39.30	1.25	1.03	0.00
39.35	1.25	1.03	0.00
39.40	1.25	1.03	0.00
39.45	1.25	1.03	0.00
39.50	1.25	1.03	0.00
39.55	1.25	1.03	0.00
39.60	1.25	1.03	0.00
39.65	1.25	1.03	0.00
39.70	1.25	1.03	0.00
39.75	1.25	1.03	0.00
39.80	1.25	1.03	0.00
39.85	1.25	1.03	0.00
39.90	1.25	1.03	0.00
39.95	1.25	1.03	0.00
40.00	1.25	1.03	0.00

Summary for Subcatchment 58P: PDA-58 (pervious)

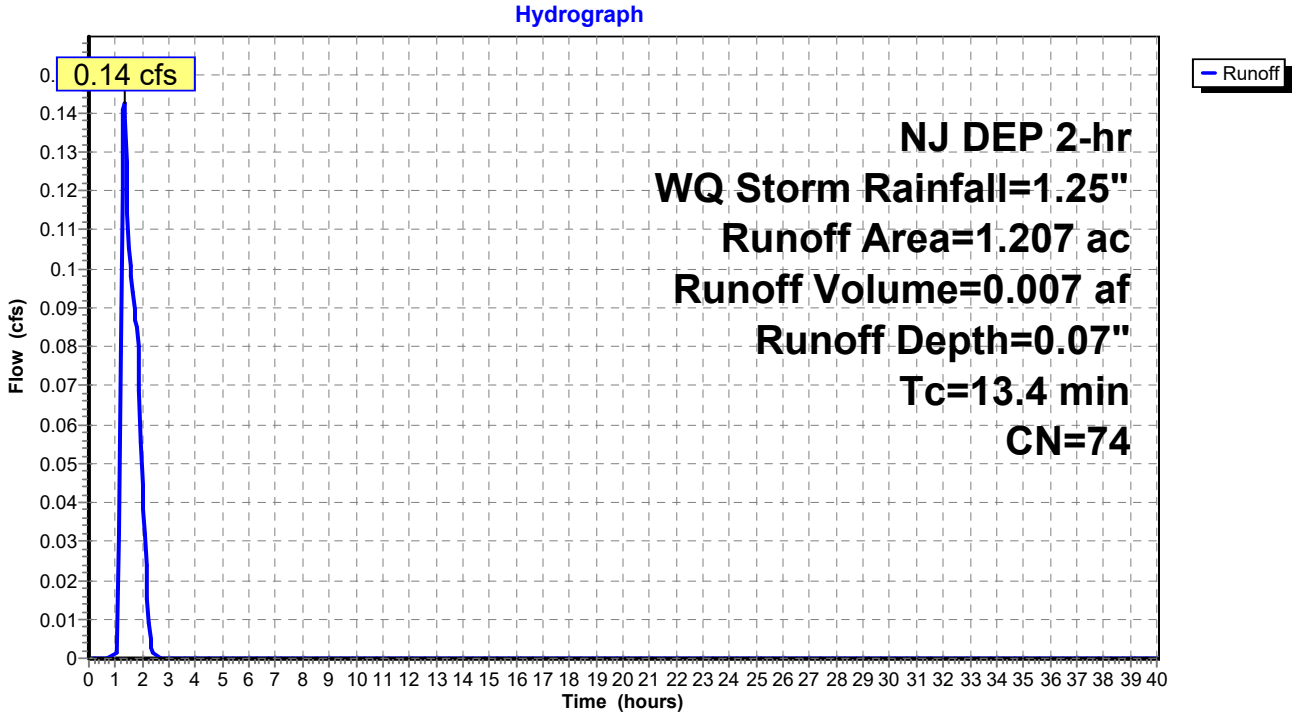
Runoff = 0.14 cfs @ 1.32 hrs, Volume= 0.007 af, Depth= 0.07"
Routed to Pond B-58 : Basin #58

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
1.207	74	>75% Grass cover, Good, HSG C
1.207		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
13.4					**Direct Entry,**

Subcatchment 58P: PDA-58 (pervious)



Hydrograph for Subcatchment 58P: PDA-58 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.07	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.07	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.07	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.07	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.07	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.07	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.07	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.07	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.07	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.07	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.07	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.07	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.07	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.07	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.07	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.07	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.07	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.07	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.07	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.07	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.07	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.07	0.00
1.10	0.91	0.01	0.01	3.70	1.25	0.07	0.00
1.15	0.97	0.02	0.03	3.75	1.25	0.07	0.00
1.20	1.02	0.03	0.08	3.80	1.25	0.07	0.00
1.25	1.05	0.03	0.12	3.85	1.25	0.07	0.00
1.30	1.07	0.03	**0.14**	3.90	1.25	0.07	0.00
1.35	1.09	0.04	0.14	3.95	1.25	0.07	0.00
1.40	1.11	0.04	0.13	4.00	1.25	0.07	0.00
1.45	1.13	0.05	0.11	4.05	1.25	0.07	0.00
1.50	1.15	0.05	0.11	4.10	1.25	0.07	0.00
1.55	1.17	0.05	0.10	4.15	1.25	0.07	0.00
1.60	1.18	0.06	0.10	4.20	1.25	0.07	0.00
1.65	1.20	0.06	0.09	4.25	1.25	0.07	0.00
1.70	1.21	0.06	0.09	4.30	1.25	0.07	0.00
1.75	1.23	0.07	0.09	4.35	1.25	0.07	0.00
1.80	1.23	0.07	0.08	4.40	1.25	0.07	0.00
1.85	1.24	0.07	0.08	4.45	1.25	0.07	0.00
1.90	1.24	0.07	0.07	4.50	1.25	0.07	0.00
1.95	1.25	0.07	0.06	4.55	1.25	0.07	0.00
2.00	**1.25**	**0.07**	0.04	4.60	1.25	0.07	0.00
2.05	1.25	0.07	0.04	4.65	1.25	0.07	0.00
2.10	1.25	0.07	0.03	4.70	1.25	0.07	0.00
2.15	1.25	0.07	0.02	4.75	1.25	0.07	0.00
2.20	1.25	0.07	0.02	4.80	1.25	0.07	0.00
2.25	1.25	0.07	0.01	4.85	1.25	0.07	0.00
2.30	1.25	0.07	0.01	4.90	1.25	0.07	0.00
2.35	1.25	0.07	0.00	4.95	1.25	0.07	0.00
2.40	1.25	0.07	0.00	5.00	1.25	0.07	0.00
2.45	1.25	0.07	0.00	5.05	1.25	0.07	0.00
2.50	1.25	0.07	0.00	5.10	1.25	0.07	0.00
2.55	1.25	0.07	0.00	5.15	1.25	0.07	0.00

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.07	0.00	7.80	1.25	0.07	0.00
5.25	1.25	0.07	0.00	7.85	1.25	0.07	0.00
5.30	1.25	0.07	0.00	7.90	1.25	0.07	0.00
5.35	1.25	0.07	0.00	7.95	1.25	0.07	0.00
5.40	1.25	0.07	0.00	8.00	1.25	0.07	0.00
5.45	1.25	0.07	0.00	8.05	1.25	0.07	0.00
5.50	1.25	0.07	0.00	8.10	1.25	0.07	0.00
5.55	1.25	0.07	0.00	8.15	1.25	0.07	0.00
5.60	1.25	0.07	0.00	8.20	1.25	0.07	0.00
5.65	1.25	0.07	0.00	8.25	1.25	0.07	0.00
5.70	1.25	0.07	0.00	8.30	1.25	0.07	0.00
5.75	1.25	0.07	0.00	8.35	1.25	0.07	0.00
5.80	1.25	0.07	0.00	8.40	1.25	0.07	0.00
5.85	1.25	0.07	0.00	8.45	1.25	0.07	0.00
5.90	1.25	0.07	0.00	8.50	1.25	0.07	0.00
5.95	1.25	0.07	0.00	8.55	1.25	0.07	0.00
6.00	1.25	0.07	0.00	8.60	1.25	0.07	0.00
6.05	1.25	0.07	0.00	8.65	1.25	0.07	0.00
6.10	1.25	0.07	0.00	8.70	1.25	0.07	0.00
6.15	1.25	0.07	0.00	8.75	1.25	0.07	0.00
6.20	1.25	0.07	0.00	8.80	1.25	0.07	0.00
6.25	1.25	0.07	0.00	8.85	1.25	0.07	0.00
6.30	1.25	0.07	0.00	8.90	1.25	0.07	0.00
6.35	1.25	0.07	0.00	8.95	1.25	0.07	0.00
6.40	1.25	0.07	0.00	9.00	1.25	0.07	0.00
6.45	1.25	0.07	0.00	9.05	1.25	0.07	0.00
6.50	1.25	0.07	0.00	9.10	1.25	0.07	0.00
6.55	1.25	0.07	0.00	9.15	1.25	0.07	0.00
6.60	1.25	0.07	0.00	9.20	1.25	0.07	0.00
6.65	1.25	0.07	0.00	9.25	1.25	0.07	0.00
6.70	1.25	0.07	0.00	9.30	1.25	0.07	0.00
6.75	1.25	0.07	0.00	9.35	1.25	0.07	0.00
6.80	1.25	0.07	0.00	9.40	1.25	0.07	0.00
6.85	1.25	0.07	0.00	9.45	1.25	0.07	0.00
6.90	1.25	0.07	0.00	9.50	1.25	0.07	0.00
6.95	1.25	0.07	0.00	9.55	1.25	0.07	0.00
7.00	1.25	0.07	0.00	9.60	1.25	0.07	0.00
7.05	1.25	0.07	0.00	9.65	1.25	0.07	0.00
7.10	1.25	0.07	0.00	9.70	1.25	0.07	0.00
7.15	1.25	0.07	0.00	9.75	1.25	0.07	0.00
7.20	1.25	0.07	0.00	9.80	1.25	0.07	0.00
7.25	1.25	0.07	0.00	9.85	1.25	0.07	0.00
7.30	1.25	0.07	0.00	9.90	1.25	0.07	0.00
7.35	1.25	0.07	0.00	9.95	1.25	0.07	0.00
7.40	1.25	0.07	0.00	10.00	1.25	0.07	0.00
7.45	1.25	0.07	0.00	10.05	1.25	0.07	0.00
7.50	1.25	0.07	0.00	10.10	1.25	0.07	0.00
7.55	1.25	0.07	0.00	10.15	1.25	0.07	0.00
7.60	1.25	0.07	0.00	10.20	1.25	0.07	0.00
7.65	1.25	0.07	0.00	10.25	1.25	0.07	0.00
7.70	1.25	0.07	0.00	10.30	1.25	0.07	0.00
7.75	1.25	0.07	0.00	10.35	1.25	0.07	0.00

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.07	0.00	13.00	1.25	0.07	0.00
10.45	1.25	0.07	0.00	13.05	1.25	0.07	0.00
10.50	1.25	0.07	0.00	13.10	1.25	0.07	0.00
10.55	1.25	0.07	0.00	13.15	1.25	0.07	0.00
10.60	1.25	0.07	0.00	13.20	1.25	0.07	0.00
10.65	1.25	0.07	0.00	13.25	1.25	0.07	0.00
10.70	1.25	0.07	0.00	13.30	1.25	0.07	0.00
10.75	1.25	0.07	0.00	13.35	1.25	0.07	0.00
10.80	1.25	0.07	0.00	13.40	1.25	0.07	0.00
10.85	1.25	0.07	0.00	13.45	1.25	0.07	0.00
10.90	1.25	0.07	0.00	13.50	1.25	0.07	0.00
10.95	1.25	0.07	0.00	13.55	1.25	0.07	0.00
11.00	1.25	0.07	0.00	13.60	1.25	0.07	0.00
11.05	1.25	0.07	0.00	13.65	1.25	0.07	0.00
11.10	1.25	0.07	0.00	13.70	1.25	0.07	0.00
11.15	1.25	0.07	0.00	13.75	1.25	0.07	0.00
11.20	1.25	0.07	0.00	13.80	1.25	0.07	0.00
11.25	1.25	0.07	0.00	13.85	1.25	0.07	0.00
11.30	1.25	0.07	0.00	13.90	1.25	0.07	0.00
11.35	1.25	0.07	0.00	13.95	1.25	0.07	0.00
11.40	1.25	0.07	0.00	14.00	1.25	0.07	0.00
11.45	1.25	0.07	0.00	14.05	1.25	0.07	0.00
11.50	1.25	0.07	0.00	14.10	1.25	0.07	0.00
11.55	1.25	0.07	0.00	14.15	1.25	0.07	0.00
11.60	1.25	0.07	0.00	14.20	1.25	0.07	0.00
11.65	1.25	0.07	0.00	14.25	1.25	0.07	0.00
11.70	1.25	0.07	0.00	14.30	1.25	0.07	0.00
11.75	1.25	0.07	0.00	14.35	1.25	0.07	0.00
11.80	1.25	0.07	0.00	14.40	1.25	0.07	0.00
11.85	1.25	0.07	0.00	14.45	1.25	0.07	0.00
11.90	1.25	0.07	0.00	14.50	1.25	0.07	0.00
11.95	1.25	0.07	0.00	14.55	1.25	0.07	0.00
12.00	1.25	0.07	0.00	14.60	1.25	0.07	0.00
12.05	1.25	0.07	0.00	14.65	1.25	0.07	0.00
12.10	1.25	0.07	0.00	14.70	1.25	0.07	0.00
12.15	1.25	0.07	0.00	14.75	1.25	0.07	0.00
12.20	1.25	0.07	0.00	14.80	1.25	0.07	0.00
12.25	1.25	0.07	0.00	14.85	1.25	0.07	0.00
12.30	1.25	0.07	0.00	14.90	1.25	0.07	0.00
12.35	1.25	0.07	0.00	14.95	1.25	0.07	0.00
12.40	1.25	0.07	0.00	15.00	1.25	0.07	0.00
12.45	1.25	0.07	0.00	15.05	1.25	0.07	0.00
12.50	1.25	0.07	0.00	15.10	1.25	0.07	0.00
12.55	1.25	0.07	0.00	15.15	1.25	0.07	0.00
12.60	1.25	0.07	0.00	15.20	1.25	0.07	0.00
12.65	1.25	0.07	0.00	15.25	1.25	0.07	0.00
12.70	1.25	0.07	0.00	15.30	1.25	0.07	0.00
12.75	1.25	0.07	0.00	15.35	1.25	0.07	0.00
12.80	1.25	0.07	0.00	15.40	1.25	0.07	0.00
12.85	1.25	0.07	0.00	15.45	1.25	0.07	0.00
12.90	1.25	0.07	0.00	15.50	1.25	0.07	0.00
12.95	1.25	0.07	0.00	15.55	1.25	0.07	0.00

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.07	0.00	18.20	1.25	0.07	0.00
15.65	1.25	0.07	0.00	18.25	1.25	0.07	0.00
15.70	1.25	0.07	0.00	18.30	1.25	0.07	0.00
15.75	1.25	0.07	0.00	18.35	1.25	0.07	0.00
15.80	1.25	0.07	0.00	18.40	1.25	0.07	0.00
15.85	1.25	0.07	0.00	18.45	1.25	0.07	0.00
15.90	1.25	0.07	0.00	18.50	1.25	0.07	0.00
15.95	1.25	0.07	0.00	18.55	1.25	0.07	0.00
16.00	1.25	0.07	0.00	18.60	1.25	0.07	0.00
16.05	1.25	0.07	0.00	18.65	1.25	0.07	0.00
16.10	1.25	0.07	0.00	18.70	1.25	0.07	0.00
16.15	1.25	0.07	0.00	18.75	1.25	0.07	0.00
16.20	1.25	0.07	0.00	18.80	1.25	0.07	0.00
16.25	1.25	0.07	0.00	18.85	1.25	0.07	0.00
16.30	1.25	0.07	0.00	18.90	1.25	0.07	0.00
16.35	1.25	0.07	0.00	18.95	1.25	0.07	0.00
16.40	1.25	0.07	0.00	19.00	1.25	0.07	0.00
16.45	1.25	0.07	0.00	19.05	1.25	0.07	0.00
16.50	1.25	0.07	0.00	19.10	1.25	0.07	0.00
16.55	1.25	0.07	0.00	19.15	1.25	0.07	0.00
16.60	1.25	0.07	0.00	19.20	1.25	0.07	0.00
16.65	1.25	0.07	0.00	19.25	1.25	0.07	0.00
16.70	1.25	0.07	0.00	19.30	1.25	0.07	0.00
16.75	1.25	0.07	0.00	19.35	1.25	0.07	0.00
16.80	1.25	0.07	0.00	19.40	1.25	0.07	0.00
16.85	1.25	0.07	0.00	19.45	1.25	0.07	0.00
16.90	1.25	0.07	0.00	19.50	1.25	0.07	0.00
16.95	1.25	0.07	0.00	19.55	1.25	0.07	0.00
17.00	1.25	0.07	0.00	19.60	1.25	0.07	0.00
17.05	1.25	0.07	0.00	19.65	1.25	0.07	0.00
17.10	1.25	0.07	0.00	19.70	1.25	0.07	0.00
17.15	1.25	0.07	0.00	19.75	1.25	0.07	0.00
17.20	1.25	0.07	0.00	19.80	1.25	0.07	0.00
17.25	1.25	0.07	0.00	19.85	1.25	0.07	0.00
17.30	1.25	0.07	0.00	19.90	1.25	0.07	0.00
17.35	1.25	0.07	0.00	19.95	1.25	0.07	0.00
17.40	1.25	0.07	0.00	20.00	1.25	0.07	0.00
17.45	1.25	0.07	0.00	20.05	1.25	0.07	0.00
17.50	1.25	0.07	0.00	20.10	1.25	0.07	0.00
17.55	1.25	0.07	0.00	20.15	1.25	0.07	0.00
17.60	1.25	0.07	0.00	20.20	1.25	0.07	0.00
17.65	1.25	0.07	0.00	20.25	1.25	0.07	0.00
17.70	1.25	0.07	0.00	20.30	1.25	0.07	0.00
17.75	1.25	0.07	0.00	20.35	1.25	0.07	0.00
17.80	1.25	0.07	0.00	20.40	1.25	0.07	0.00
17.85	1.25	0.07	0.00	20.45	1.25	0.07	0.00
17.90	1.25	0.07	0.00	20.50	1.25	0.07	0.00
17.95	1.25	0.07	0.00	20.55	1.25	0.07	0.00
18.00	1.25	0.07	0.00	20.60	1.25	0.07	0.00
18.05	1.25	0.07	0.00	20.65	1.25	0.07	0.00
18.10	1.25	0.07	0.00	20.70	1.25	0.07	0.00
18.15	1.25	0.07	0.00	20.75	1.25	0.07	0.00

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.07	0.00	23.40	1.25	0.07	0.00
20.85	1.25	0.07	0.00	23.45	1.25	0.07	0.00
20.90	1.25	0.07	0.00	23.50	1.25	0.07	0.00
20.95	1.25	0.07	0.00	23.55	1.25	0.07	0.00
21.00	1.25	0.07	0.00	23.60	1.25	0.07	0.00
21.05	1.25	0.07	0.00	23.65	1.25	0.07	0.00
21.10	1.25	0.07	0.00	23.70	1.25	0.07	0.00
21.15	1.25	0.07	0.00	23.75	1.25	0.07	0.00
21.20	1.25	0.07	0.00	23.80	1.25	0.07	0.00
21.25	1.25	0.07	0.00	23.85	1.25	0.07	0.00
21.30	1.25	0.07	0.00	23.90	1.25	0.07	0.00
21.35	1.25	0.07	0.00	23.95	1.25	0.07	0.00
21.40	1.25	0.07	0.00	24.00	1.25	0.07	0.00
21.45	1.25	0.07	0.00	24.05	1.25	0.07	0.00
21.50	1.25	0.07	0.00	24.10	1.25	0.07	0.00
21.55	1.25	0.07	0.00	24.15	1.25	0.07	0.00
21.60	1.25	0.07	0.00	24.20	1.25	0.07	0.00
21.65	1.25	0.07	0.00	24.25	1.25	0.07	0.00
21.70	1.25	0.07	0.00	24.30	1.25	0.07	0.00
21.75	1.25	0.07	0.00	24.35	1.25	0.07	0.00
21.80	1.25	0.07	0.00	24.40	1.25	0.07	0.00
21.85	1.25	0.07	0.00	24.45	1.25	0.07	0.00
21.90	1.25	0.07	0.00	24.50	1.25	0.07	0.00
21.95	1.25	0.07	0.00	24.55	1.25	0.07	0.00
22.00	1.25	0.07	0.00	24.60	1.25	0.07	0.00
22.05	1.25	0.07	0.00	24.65	1.25	0.07	0.00
22.10	1.25	0.07	0.00	24.70	1.25	0.07	0.00
22.15	1.25	0.07	0.00	24.75	1.25	0.07	0.00
22.20	1.25	0.07	0.00	24.80	1.25	0.07	0.00
22.25	1.25	0.07	0.00	24.85	1.25	0.07	0.00
22.30	1.25	0.07	0.00	24.90	1.25	0.07	0.00
22.35	1.25	0.07	0.00	24.95	1.25	0.07	0.00
22.40	1.25	0.07	0.00	25.00	1.25	0.07	0.00
22.45	1.25	0.07	0.00	25.05	1.25	0.07	0.00
22.50	1.25	0.07	0.00	25.10	1.25	0.07	0.00
22.55	1.25	0.07	0.00	25.15	1.25	0.07	0.00
22.60	1.25	0.07	0.00	25.20	1.25	0.07	0.00
22.65	1.25	0.07	0.00	25.25	1.25	0.07	0.00
22.70	1.25	0.07	0.00	25.30	1.25	0.07	0.00
22.75	1.25	0.07	0.00	25.35	1.25	0.07	0.00
22.80	1.25	0.07	0.00	25.40	1.25	0.07	0.00
22.85	1.25	0.07	0.00	25.45	1.25	0.07	0.00
22.90	1.25	0.07	0.00	25.50	1.25	0.07	0.00
22.95	1.25	0.07	0.00	25.55	1.25	0.07	0.00
23.00	1.25	0.07	0.00	25.60	1.25	0.07	0.00
23.05	1.25	0.07	0.00	25.65	1.25	0.07	0.00
23.10	1.25	0.07	0.00	25.70	1.25	0.07	0.00
23.15	1.25	0.07	0.00	25.75	1.25	0.07	0.00
23.20	1.25	0.07	0.00	25.80	1.25	0.07	0.00
23.25	1.25	0.07	0.00	25.85	1.25	0.07	0.00
23.30	1.25	0.07	0.00	25.90	1.25	0.07	0.00
23.35	1.25	0.07	0.00	25.95	1.25	0.07	0.00

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.07	0.00	28.60	1.25	0.07	0.00
26.05	1.25	0.07	0.00	28.65	1.25	0.07	0.00
26.10	1.25	0.07	0.00	28.70	1.25	0.07	0.00
26.15	1.25	0.07	0.00	28.75	1.25	0.07	0.00
26.20	1.25	0.07	0.00	28.80	1.25	0.07	0.00
26.25	1.25	0.07	0.00	28.85	1.25	0.07	0.00
26.30	1.25	0.07	0.00	28.90	1.25	0.07	0.00
26.35	1.25	0.07	0.00	28.95	1.25	0.07	0.00
26.40	1.25	0.07	0.00	29.00	1.25	0.07	0.00
26.45	1.25	0.07	0.00	29.05	1.25	0.07	0.00
26.50	1.25	0.07	0.00	29.10	1.25	0.07	0.00
26.55	1.25	0.07	0.00	29.15	1.25	0.07	0.00
26.60	1.25	0.07	0.00	29.20	1.25	0.07	0.00
26.65	1.25	0.07	0.00	29.25	1.25	0.07	0.00
26.70	1.25	0.07	0.00	29.30	1.25	0.07	0.00
26.75	1.25	0.07	0.00	29.35	1.25	0.07	0.00
26.80	1.25	0.07	0.00	29.40	1.25	0.07	0.00
26.85	1.25	0.07	0.00	29.45	1.25	0.07	0.00
26.90	1.25	0.07	0.00	29.50	1.25	0.07	0.00
26.95	1.25	0.07	0.00	29.55	1.25	0.07	0.00
27.00	1.25	0.07	0.00	29.60	1.25	0.07	0.00
27.05	1.25	0.07	0.00	29.65	1.25	0.07	0.00
27.10	1.25	0.07	0.00	29.70	1.25	0.07	0.00
27.15	1.25	0.07	0.00	29.75	1.25	0.07	0.00
27.20	1.25	0.07	0.00	29.80	1.25	0.07	0.00
27.25	1.25	0.07	0.00	29.85	1.25	0.07	0.00
27.30	1.25	0.07	0.00	29.90	1.25	0.07	0.00
27.35	1.25	0.07	0.00	29.95	1.25	0.07	0.00
27.40	1.25	0.07	0.00	30.00	1.25	0.07	0.00
27.45	1.25	0.07	0.00	30.05	1.25	0.07	0.00
27.50	1.25	0.07	0.00	30.10	1.25	0.07	0.00
27.55	1.25	0.07	0.00	30.15	1.25	0.07	0.00
27.60	1.25	0.07	0.00	30.20	1.25	0.07	0.00
27.65	1.25	0.07	0.00	30.25	1.25	0.07	0.00
27.70	1.25	0.07	0.00	30.30	1.25	0.07	0.00
27.75	1.25	0.07	0.00	30.35	1.25	0.07	0.00
27.80	1.25	0.07	0.00	30.40	1.25	0.07	0.00
27.85	1.25	0.07	0.00	30.45	1.25	0.07	0.00
27.90	1.25	0.07	0.00	30.50	1.25	0.07	0.00
27.95	1.25	0.07	0.00	30.55	1.25	0.07	0.00
28.00	1.25	0.07	0.00	30.60	1.25	0.07	0.00
28.05	1.25	0.07	0.00	30.65	1.25	0.07	0.00
28.10	1.25	0.07	0.00	30.70	1.25	0.07	0.00
28.15	1.25	0.07	0.00	30.75	1.25	0.07	0.00
28.20	1.25	0.07	0.00	30.80	1.25	0.07	0.00
28.25	1.25	0.07	0.00	30.85	1.25	0.07	0.00
28.30	1.25	0.07	0.00	30.90	1.25	0.07	0.00
28.35	1.25	0.07	0.00	30.95	1.25	0.07	0.00
28.40	1.25	0.07	0.00	31.00	1.25	0.07	0.00
28.45	1.25	0.07	0.00	31.05	1.25	0.07	0.00
28.50	1.25	0.07	0.00	31.10	1.25	0.07	0.00
28.55	1.25	0.07	0.00	31.15	1.25	0.07	0.00

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.07	0.00	33.80	1.25	0.07	0.00
31.25	1.25	0.07	0.00	33.85	1.25	0.07	0.00
31.30	1.25	0.07	0.00	33.90	1.25	0.07	0.00
31.35	1.25	0.07	0.00	33.95	1.25	0.07	0.00
31.40	1.25	0.07	0.00	34.00	1.25	0.07	0.00
31.45	1.25	0.07	0.00	34.05	1.25	0.07	0.00
31.50	1.25	0.07	0.00	34.10	1.25	0.07	0.00
31.55	1.25	0.07	0.00	34.15	1.25	0.07	0.00
31.60	1.25	0.07	0.00	34.20	1.25	0.07	0.00
31.65	1.25	0.07	0.00	34.25	1.25	0.07	0.00
31.70	1.25	0.07	0.00	34.30	1.25	0.07	0.00
31.75	1.25	0.07	0.00	34.35	1.25	0.07	0.00
31.80	1.25	0.07	0.00	34.40	1.25	0.07	0.00
31.85	1.25	0.07	0.00	34.45	1.25	0.07	0.00
31.90	1.25	0.07	0.00	34.50	1.25	0.07	0.00
31.95	1.25	0.07	0.00	34.55	1.25	0.07	0.00
32.00	1.25	0.07	0.00	34.60	1.25	0.07	0.00
32.05	1.25	0.07	0.00	34.65	1.25	0.07	0.00
32.10	1.25	0.07	0.00	34.70	1.25	0.07	0.00
32.15	1.25	0.07	0.00	34.75	1.25	0.07	0.00
32.20	1.25	0.07	0.00	34.80	1.25	0.07	0.00
32.25	1.25	0.07	0.00	34.85	1.25	0.07	0.00
32.30	1.25	0.07	0.00	34.90	1.25	0.07	0.00
32.35	1.25	0.07	0.00	34.95	1.25	0.07	0.00
32.40	1.25	0.07	0.00	35.00	1.25	0.07	0.00
32.45	1.25	0.07	0.00	35.05	1.25	0.07	0.00
32.50	1.25	0.07	0.00	35.10	1.25	0.07	0.00
32.55	1.25	0.07	0.00	35.15	1.25	0.07	0.00
32.60	1.25	0.07	0.00	35.20	1.25	0.07	0.00
32.65	1.25	0.07	0.00	35.25	1.25	0.07	0.00
32.70	1.25	0.07	0.00	35.30	1.25	0.07	0.00
32.75	1.25	0.07	0.00	35.35	1.25	0.07	0.00
32.80	1.25	0.07	0.00	35.40	1.25	0.07	0.00
32.85	1.25	0.07	0.00	35.45	1.25	0.07	0.00
32.90	1.25	0.07	0.00	35.50	1.25	0.07	0.00
32.95	1.25	0.07	0.00	35.55	1.25	0.07	0.00
33.00	1.25	0.07	0.00	35.60	1.25	0.07	0.00
33.05	1.25	0.07	0.00	35.65	1.25	0.07	0.00
33.10	1.25	0.07	0.00	35.70	1.25	0.07	0.00
33.15	1.25	0.07	0.00	35.75	1.25	0.07	0.00
33.20	1.25	0.07	0.00	35.80	1.25	0.07	0.00
33.25	1.25	0.07	0.00	35.85	1.25	0.07	0.00
33.30	1.25	0.07	0.00	35.90	1.25	0.07	0.00
33.35	1.25	0.07	0.00	35.95	1.25	0.07	0.00
33.40	1.25	0.07	0.00	36.00	1.25	0.07	0.00
33.45	1.25	0.07	0.00	36.05	1.25	0.07	0.00
33.50	1.25	0.07	0.00	36.10	1.25	0.07	0.00
33.55	1.25	0.07	0.00	36.15	1.25	0.07	0.00
33.60	1.25	0.07	0.00	36.20	1.25	0.07	0.00
33.65	1.25	0.07	0.00	36.25	1.25	0.07	0.00
33.70	1.25	0.07	0.00	36.30	1.25	0.07	0.00
33.75	1.25	0.07	0.00	36.35	1.25	0.07	0.00

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.07	0.00
36.45	1.25	0.07	0.00
36.50	1.25	0.07	0.00
36.55	1.25	0.07	0.00
36.60	1.25	0.07	0.00
36.65	1.25	0.07	0.00
36.70	1.25	0.07	0.00
36.75	1.25	0.07	0.00
36.80	1.25	0.07	0.00
36.85	1.25	0.07	0.00
36.90	1.25	0.07	0.00
36.95	1.25	0.07	0.00
37.00	1.25	0.07	0.00
37.05	1.25	0.07	0.00
37.10	1.25	0.07	0.00
37.15	1.25	0.07	0.00
37.20	1.25	0.07	0.00
37.25	1.25	0.07	0.00
37.30	1.25	0.07	0.00
37.35	1.25	0.07	0.00
37.40	1.25	0.07	0.00
37.45	1.25	0.07	0.00
37.50	1.25	0.07	0.00
37.55	1.25	0.07	0.00
37.60	1.25	0.07	0.00
37.65	1.25	0.07	0.00
37.70	1.25	0.07	0.00
37.75	1.25	0.07	0.00
37.80	1.25	0.07	0.00
37.85	1.25	0.07	0.00
37.90	1.25	0.07	0.00
37.95	1.25	0.07	0.00
38.00	1.25	0.07	0.00
38.05	1.25	0.07	0.00
38.10	1.25	0.07	0.00
38.15	1.25	0.07	0.00
38.20	1.25	0.07	0.00
38.25	1.25	0.07	0.00
38.30	1.25	0.07	0.00
38.35	1.25	0.07	0.00
38.40	1.25	0.07	0.00
38.45	1.25	0.07	0.00
38.50	1.25	0.07	0.00
38.55	1.25	0.07	0.00
38.60	1.25	0.07	0.00
38.65	1.25	0.07	0.00
38.70	1.25	0.07	0.00
38.75	1.25	0.07	0.00
38.80	1.25	0.07	0.00
38.85	1.25	0.07	0.00
38.90	1.25	0.07	0.00
38.95	1.25	0.07	0.00
39.00	1.25	0.07	0.00
39.05	1.25	0.07	0.00
39.10	1.25	0.07	0.00
39.15	1.25	0.07	0.00
39.20	1.25	0.07	0.00
39.25	1.25	0.07	0.00
39.30	1.25	0.07	0.00
39.35	1.25	0.07	0.00
39.40	1.25	0.07	0.00
39.45	1.25	0.07	0.00
39.50	1.25	0.07	0.00
39.55	1.25	0.07	0.00
39.60	1.25	0.07	0.00
39.65	1.25	0.07	0.00
39.70	1.25	0.07	0.00
39.75	1.25	0.07	0.00
39.80	1.25	0.07	0.00
39.85	1.25	0.07	0.00
39.90	1.25	0.07	0.00
39.95	1.25	0.07	0.00
40.00	1.25	0.07	0.00

Summary for Subcatchment UPDA-6: PDA-6 (undetained)

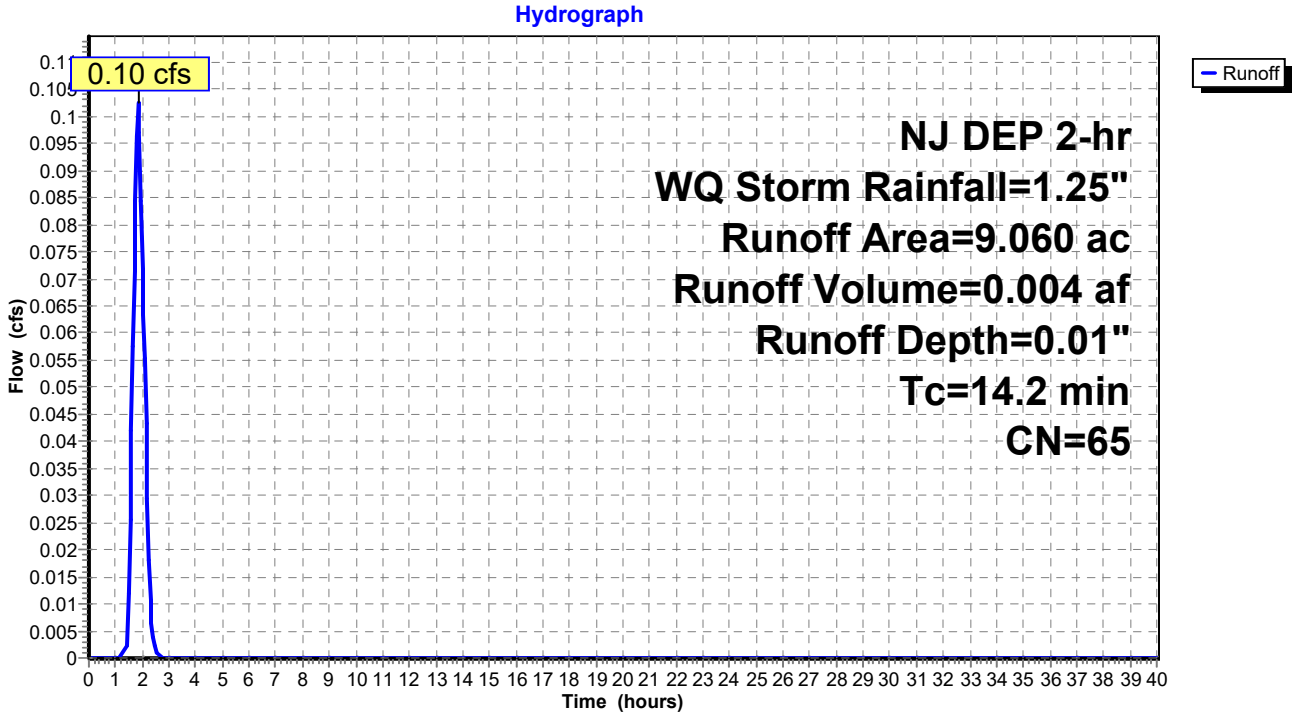
Runoff = 0.10 cfs @ 1.85 hrs, Volume= 0.004 af, Depth= 0.01"
Routed to Link PDA-6ON : Proposed Onsite Drainage Area #6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NJ DEP 2-hr WQ Storm Rainfall=1.25"

Area (ac)	CN	Description
2.520	74	>75% Grass cover, Good, HSG C
3.924	55	Woods, Good, HSG B
2.289	70	Woods, Good, HSG C
0.327	77	Woods, Good, HSG D
9.060	65	Weighted Average
9.060		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.2					**Direct Entry,**

Subcatchment UPDA-6: PDA-6 (undetained)



Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	1.25	0.01	0.00
0.05	0.00	0.00	0.00	2.65	1.25	0.01	0.00
0.10	0.01	0.00	0.00	2.70	1.25	0.01	0.00
0.15	0.01	0.00	0.00	2.75	1.25	0.01	0.00
0.20	0.02	0.00	0.00	2.80	1.25	0.01	0.00
0.25	0.03	0.00	0.00	2.85	1.25	0.01	0.00
0.30	0.04	0.00	0.00	2.90	1.25	0.01	0.00
0.35	0.06	0.00	0.00	2.95	1.25	0.01	0.00
0.40	0.07	0.00	0.00	3.00	1.25	0.01	0.00
0.45	0.09	0.00	0.00	3.05	1.25	0.01	0.00
0.50	0.10	0.00	0.00	3.10	1.25	0.01	0.00
0.55	0.12	0.00	0.00	3.15	1.25	0.01	0.00
0.60	0.14	0.00	0.00	3.20	1.25	0.01	0.00
0.65	0.16	0.00	0.00	3.25	1.25	0.01	0.00
0.70	0.18	0.00	0.00	3.30	1.25	0.01	0.00
0.75	0.20	0.00	0.00	3.35	1.25	0.01	0.00
0.80	0.23	0.00	0.00	3.40	1.25	0.01	0.00
0.85	0.28	0.00	0.00	3.45	1.25	0.01	0.00
0.90	0.34	0.00	0.00	3.50	1.25	0.01	0.00
0.95	0.46	0.00	0.00	3.55	1.25	0.01	0.00
1.00	0.63	0.00	0.00	3.60	1.25	0.01	0.00
1.05	0.79	0.00	0.00	3.65	1.25	0.01	0.00
1.10	0.91	0.00	0.00	3.70	1.25	0.01	0.00
1.15	0.97	0.00	0.00	3.75	1.25	0.01	0.00
1.20	1.02	0.00	0.00	3.80	1.25	0.01	0.00
1.25	1.05	0.00	0.00	3.85	1.25	0.01	0.00
1.30	1.07	0.00	0.00	3.90	1.25	0.01	0.00
1.35	1.09	0.00	0.00	3.95	1.25	0.01	0.00
1.40	1.11	0.00	0.00	4.00	1.25	0.01	0.00
1.45	1.13	0.00	0.00	4.05	1.25	0.01	0.00
1.50	1.15	0.00	0.01	4.10	1.25	0.01	0.00
1.55	1.17	0.00	0.03	4.15	1.25	0.01	0.00
1.60	1.18	0.00	0.04	4.20	1.25	0.01	0.00
1.65	1.20	0.00	0.06	4.25	1.25	0.01	0.00
1.70	1.21	0.00	0.07	4.30	1.25	0.01	0.00
1.75	1.23	0.00	0.08	4.35	1.25	0.01	0.00
1.80	1.23	0.00	0.10	4.40	1.25	0.01	0.00
1.85	1.24	0.00	**0.10**	4.45	1.25	0.01	0.00
1.90	1.24	0.00	0.10	4.50	1.25	0.01	0.00
1.95	1.25	0.01	0.08	4.55	1.25	0.01	0.00
2.00	**1.25**	**0.01**	0.07	4.60	1.25	0.01	0.00
2.05	1.25	0.01	0.06	4.65	1.25	0.01	0.00
2.10	1.25	0.01	0.06	4.70	1.25	0.01	0.00
2.15	1.25	0.01	0.04	4.75	1.25	0.01	0.00
2.20	1.25	0.01	0.03	4.80	1.25	0.01	0.00
2.25	1.25	0.01	0.02	4.85	1.25	0.01	0.00
2.30	1.25	0.01	0.01	4.90	1.25	0.01	0.00
2.35	1.25	0.01	0.01	4.95	1.25	0.01	0.00
2.40	1.25	0.01	0.00	5.00	1.25	0.01	0.00
2.45	1.25	0.01	0.00	5.05	1.25	0.01	0.00
2.50	1.25	0.01	0.00	5.10	1.25	0.01	0.00
2.55	1.25	0.01	0.00	5.15	1.25	0.01	0.00

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	1.25	0.01	0.00	7.80	1.25	0.01	0.00
5.25	1.25	0.01	0.00	7.85	1.25	0.01	0.00
5.30	1.25	0.01	0.00	7.90	1.25	0.01	0.00
5.35	1.25	0.01	0.00	7.95	1.25	0.01	0.00
5.40	1.25	0.01	0.00	8.00	1.25	0.01	0.00
5.45	1.25	0.01	0.00	8.05	1.25	0.01	0.00
5.50	1.25	0.01	0.00	8.10	1.25	0.01	0.00
5.55	1.25	0.01	0.00	8.15	1.25	0.01	0.00
5.60	1.25	0.01	0.00	8.20	1.25	0.01	0.00
5.65	1.25	0.01	0.00	8.25	1.25	0.01	0.00
5.70	1.25	0.01	0.00	8.30	1.25	0.01	0.00
5.75	1.25	0.01	0.00	8.35	1.25	0.01	0.00
5.80	1.25	0.01	0.00	8.40	1.25	0.01	0.00
5.85	1.25	0.01	0.00	8.45	1.25	0.01	0.00
5.90	1.25	0.01	0.00	8.50	1.25	0.01	0.00
5.95	1.25	0.01	0.00	8.55	1.25	0.01	0.00
6.00	1.25	0.01	0.00	8.60	1.25	0.01	0.00
6.05	1.25	0.01	0.00	8.65	1.25	0.01	0.00
6.10	1.25	0.01	0.00	8.70	1.25	0.01	0.00
6.15	1.25	0.01	0.00	8.75	1.25	0.01	0.00
6.20	1.25	0.01	0.00	8.80	1.25	0.01	0.00
6.25	1.25	0.01	0.00	8.85	1.25	0.01	0.00
6.30	1.25	0.01	0.00	8.90	1.25	0.01	0.00
6.35	1.25	0.01	0.00	8.95	1.25	0.01	0.00
6.40	1.25	0.01	0.00	9.00	1.25	0.01	0.00
6.45	1.25	0.01	0.00	9.05	1.25	0.01	0.00
6.50	1.25	0.01	0.00	9.10	1.25	0.01	0.00
6.55	1.25	0.01	0.00	9.15	1.25	0.01	0.00
6.60	1.25	0.01	0.00	9.20	1.25	0.01	0.00
6.65	1.25	0.01	0.00	9.25	1.25	0.01	0.00
6.70	1.25	0.01	0.00	9.30	1.25	0.01	0.00
6.75	1.25	0.01	0.00	9.35	1.25	0.01	0.00
6.80	1.25	0.01	0.00	9.40	1.25	0.01	0.00
6.85	1.25	0.01	0.00	9.45	1.25	0.01	0.00
6.90	1.25	0.01	0.00	9.50	1.25	0.01	0.00
6.95	1.25	0.01	0.00	9.55	1.25	0.01	0.00
7.00	1.25	0.01	0.00	9.60	1.25	0.01	0.00
7.05	1.25	0.01	0.00	9.65	1.25	0.01	0.00
7.10	1.25	0.01	0.00	9.70	1.25	0.01	0.00
7.15	1.25	0.01	0.00	9.75	1.25	0.01	0.00
7.20	1.25	0.01	0.00	9.80	1.25	0.01	0.00
7.25	1.25	0.01	0.00	9.85	1.25	0.01	0.00
7.30	1.25	0.01	0.00	9.90	1.25	0.01	0.00
7.35	1.25	0.01	0.00	9.95	1.25	0.01	0.00
7.40	1.25	0.01	0.00	10.00	1.25	0.01	0.00
7.45	1.25	0.01	0.00	10.05	1.25	0.01	0.00
7.50	1.25	0.01	0.00	10.10	1.25	0.01	0.00
7.55	1.25	0.01	0.00	10.15	1.25	0.01	0.00
7.60	1.25	0.01	0.00	10.20	1.25	0.01	0.00
7.65	1.25	0.01	0.00	10.25	1.25	0.01	0.00
7.70	1.25	0.01	0.00	10.30	1.25	0.01	0.00
7.75	1.25	0.01	0.00	10.35	1.25	0.01	0.00

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.25	0.01	0.00	13.00	1.25	0.01	0.00
10.45	1.25	0.01	0.00	13.05	1.25	0.01	0.00
10.50	1.25	0.01	0.00	13.10	1.25	0.01	0.00
10.55	1.25	0.01	0.00	13.15	1.25	0.01	0.00
10.60	1.25	0.01	0.00	13.20	1.25	0.01	0.00
10.65	1.25	0.01	0.00	13.25	1.25	0.01	0.00
10.70	1.25	0.01	0.00	13.30	1.25	0.01	0.00
10.75	1.25	0.01	0.00	13.35	1.25	0.01	0.00
10.80	1.25	0.01	0.00	13.40	1.25	0.01	0.00
10.85	1.25	0.01	0.00	13.45	1.25	0.01	0.00
10.90	1.25	0.01	0.00	13.50	1.25	0.01	0.00
10.95	1.25	0.01	0.00	13.55	1.25	0.01	0.00
11.00	1.25	0.01	0.00	13.60	1.25	0.01	0.00
11.05	1.25	0.01	0.00	13.65	1.25	0.01	0.00
11.10	1.25	0.01	0.00	13.70	1.25	0.01	0.00
11.15	1.25	0.01	0.00	13.75	1.25	0.01	0.00
11.20	1.25	0.01	0.00	13.80	1.25	0.01	0.00
11.25	1.25	0.01	0.00	13.85	1.25	0.01	0.00
11.30	1.25	0.01	0.00	13.90	1.25	0.01	0.00
11.35	1.25	0.01	0.00	13.95	1.25	0.01	0.00
11.40	1.25	0.01	0.00	14.00	1.25	0.01	0.00
11.45	1.25	0.01	0.00	14.05	1.25	0.01	0.00
11.50	1.25	0.01	0.00	14.10	1.25	0.01	0.00
11.55	1.25	0.01	0.00	14.15	1.25	0.01	0.00
11.60	1.25	0.01	0.00	14.20	1.25	0.01	0.00
11.65	1.25	0.01	0.00	14.25	1.25	0.01	0.00
11.70	1.25	0.01	0.00	14.30	1.25	0.01	0.00
11.75	1.25	0.01	0.00	14.35	1.25	0.01	0.00
11.80	1.25	0.01	0.00	14.40	1.25	0.01	0.00
11.85	1.25	0.01	0.00	14.45	1.25	0.01	0.00
11.90	1.25	0.01	0.00	14.50	1.25	0.01	0.00
11.95	1.25	0.01	0.00	14.55	1.25	0.01	0.00
12.00	1.25	0.01	0.00	14.60	1.25	0.01	0.00
12.05	1.25	0.01	0.00	14.65	1.25	0.01	0.00
12.10	1.25	0.01	0.00	14.70	1.25	0.01	0.00
12.15	1.25	0.01	0.00	14.75	1.25	0.01	0.00
12.20	1.25	0.01	0.00	14.80	1.25	0.01	0.00
12.25	1.25	0.01	0.00	14.85	1.25	0.01	0.00
12.30	1.25	0.01	0.00	14.90	1.25	0.01	0.00
12.35	1.25	0.01	0.00	14.95	1.25	0.01	0.00
12.40	1.25	0.01	0.00	15.00	1.25	0.01	0.00
12.45	1.25	0.01	0.00	15.05	1.25	0.01	0.00
12.50	1.25	0.01	0.00	15.10	1.25	0.01	0.00
12.55	1.25	0.01	0.00	15.15	1.25	0.01	0.00
12.60	1.25	0.01	0.00	15.20	1.25	0.01	0.00
12.65	1.25	0.01	0.00	15.25	1.25	0.01	0.00
12.70	1.25	0.01	0.00	15.30	1.25	0.01	0.00
12.75	1.25	0.01	0.00	15.35	1.25	0.01	0.00
12.80	1.25	0.01	0.00	15.40	1.25	0.01	0.00
12.85	1.25	0.01	0.00	15.45	1.25	0.01	0.00
12.90	1.25	0.01	0.00	15.50	1.25	0.01	0.00
12.95	1.25	0.01	0.00	15.55	1.25	0.01	0.00

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	1.25	0.01	0.00	18.20	1.25	0.01	0.00
15.65	1.25	0.01	0.00	18.25	1.25	0.01	0.00
15.70	1.25	0.01	0.00	18.30	1.25	0.01	0.00
15.75	1.25	0.01	0.00	18.35	1.25	0.01	0.00
15.80	1.25	0.01	0.00	18.40	1.25	0.01	0.00
15.85	1.25	0.01	0.00	18.45	1.25	0.01	0.00
15.90	1.25	0.01	0.00	18.50	1.25	0.01	0.00
15.95	1.25	0.01	0.00	18.55	1.25	0.01	0.00
16.00	1.25	0.01	0.00	18.60	1.25	0.01	0.00
16.05	1.25	0.01	0.00	18.65	1.25	0.01	0.00
16.10	1.25	0.01	0.00	18.70	1.25	0.01	0.00
16.15	1.25	0.01	0.00	18.75	1.25	0.01	0.00
16.20	1.25	0.01	0.00	18.80	1.25	0.01	0.00
16.25	1.25	0.01	0.00	18.85	1.25	0.01	0.00
16.30	1.25	0.01	0.00	18.90	1.25	0.01	0.00
16.35	1.25	0.01	0.00	18.95	1.25	0.01	0.00
16.40	1.25	0.01	0.00	19.00	1.25	0.01	0.00
16.45	1.25	0.01	0.00	19.05	1.25	0.01	0.00
16.50	1.25	0.01	0.00	19.10	1.25	0.01	0.00
16.55	1.25	0.01	0.00	19.15	1.25	0.01	0.00
16.60	1.25	0.01	0.00	19.20	1.25	0.01	0.00
16.65	1.25	0.01	0.00	19.25	1.25	0.01	0.00
16.70	1.25	0.01	0.00	19.30	1.25	0.01	0.00
16.75	1.25	0.01	0.00	19.35	1.25	0.01	0.00
16.80	1.25	0.01	0.00	19.40	1.25	0.01	0.00
16.85	1.25	0.01	0.00	19.45	1.25	0.01	0.00
16.90	1.25	0.01	0.00	19.50	1.25	0.01	0.00
16.95	1.25	0.01	0.00	19.55	1.25	0.01	0.00
17.00	1.25	0.01	0.00	19.60	1.25	0.01	0.00
17.05	1.25	0.01	0.00	19.65	1.25	0.01	0.00
17.10	1.25	0.01	0.00	19.70	1.25	0.01	0.00
17.15	1.25	0.01	0.00	19.75	1.25	0.01	0.00
17.20	1.25	0.01	0.00	19.80	1.25	0.01	0.00
17.25	1.25	0.01	0.00	19.85	1.25	0.01	0.00
17.30	1.25	0.01	0.00	19.90	1.25	0.01	0.00
17.35	1.25	0.01	0.00	19.95	1.25	0.01	0.00
17.40	1.25	0.01	0.00	20.00	1.25	0.01	0.00
17.45	1.25	0.01	0.00	20.05	1.25	0.01	0.00
17.50	1.25	0.01	0.00	20.10	1.25	0.01	0.00
17.55	1.25	0.01	0.00	20.15	1.25	0.01	0.00
17.60	1.25	0.01	0.00	20.20	1.25	0.01	0.00
17.65	1.25	0.01	0.00	20.25	1.25	0.01	0.00
17.70	1.25	0.01	0.00	20.30	1.25	0.01	0.00
17.75	1.25	0.01	0.00	20.35	1.25	0.01	0.00
17.80	1.25	0.01	0.00	20.40	1.25	0.01	0.00
17.85	1.25	0.01	0.00	20.45	1.25	0.01	0.00
17.90	1.25	0.01	0.00	20.50	1.25	0.01	0.00
17.95	1.25	0.01	0.00	20.55	1.25	0.01	0.00
18.00	1.25	0.01	0.00	20.60	1.25	0.01	0.00
18.05	1.25	0.01	0.00	20.65	1.25	0.01	0.00
18.10	1.25	0.01	0.00	20.70	1.25	0.01	0.00
18.15	1.25	0.01	0.00	20.75	1.25	0.01	0.00

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	1.25	0.01	0.00	23.40	1.25	0.01	0.00
20.85	1.25	0.01	0.00	23.45	1.25	0.01	0.00
20.90	1.25	0.01	0.00	23.50	1.25	0.01	0.00
20.95	1.25	0.01	0.00	23.55	1.25	0.01	0.00
21.00	1.25	0.01	0.00	23.60	1.25	0.01	0.00
21.05	1.25	0.01	0.00	23.65	1.25	0.01	0.00
21.10	1.25	0.01	0.00	23.70	1.25	0.01	0.00
21.15	1.25	0.01	0.00	23.75	1.25	0.01	0.00
21.20	1.25	0.01	0.00	23.80	1.25	0.01	0.00
21.25	1.25	0.01	0.00	23.85	1.25	0.01	0.00
21.30	1.25	0.01	0.00	23.90	1.25	0.01	0.00
21.35	1.25	0.01	0.00	23.95	1.25	0.01	0.00
21.40	1.25	0.01	0.00	24.00	1.25	0.01	0.00
21.45	1.25	0.01	0.00	24.05	1.25	0.01	0.00
21.50	1.25	0.01	0.00	24.10	1.25	0.01	0.00
21.55	1.25	0.01	0.00	24.15	1.25	0.01	0.00
21.60	1.25	0.01	0.00	24.20	1.25	0.01	0.00
21.65	1.25	0.01	0.00	24.25	1.25	0.01	0.00
21.70	1.25	0.01	0.00	24.30	1.25	0.01	0.00
21.75	1.25	0.01	0.00	24.35	1.25	0.01	0.00
21.80	1.25	0.01	0.00	24.40	1.25	0.01	0.00
21.85	1.25	0.01	0.00	24.45	1.25	0.01	0.00
21.90	1.25	0.01	0.00	24.50	1.25	0.01	0.00
21.95	1.25	0.01	0.00	24.55	1.25	0.01	0.00
22.00	1.25	0.01	0.00	24.60	1.25	0.01	0.00
22.05	1.25	0.01	0.00	24.65	1.25	0.01	0.00
22.10	1.25	0.01	0.00	24.70	1.25	0.01	0.00
22.15	1.25	0.01	0.00	24.75	1.25	0.01	0.00
22.20	1.25	0.01	0.00	24.80	1.25	0.01	0.00
22.25	1.25	0.01	0.00	24.85	1.25	0.01	0.00
22.30	1.25	0.01	0.00	24.90	1.25	0.01	0.00
22.35	1.25	0.01	0.00	24.95	1.25	0.01	0.00
22.40	1.25	0.01	0.00	25.00	1.25	0.01	0.00
22.45	1.25	0.01	0.00	25.05	1.25	0.01	0.00
22.50	1.25	0.01	0.00	25.10	1.25	0.01	0.00
22.55	1.25	0.01	0.00	25.15	1.25	0.01	0.00
22.60	1.25	0.01	0.00	25.20	1.25	0.01	0.00
22.65	1.25	0.01	0.00	25.25	1.25	0.01	0.00
22.70	1.25	0.01	0.00	25.30	1.25	0.01	0.00
22.75	1.25	0.01	0.00	25.35	1.25	0.01	0.00
22.80	1.25	0.01	0.00	25.40	1.25	0.01	0.00
22.85	1.25	0.01	0.00	25.45	1.25	0.01	0.00
22.90	1.25	0.01	0.00	25.50	1.25	0.01	0.00
22.95	1.25	0.01	0.00	25.55	1.25	0.01	0.00
23.00	1.25	0.01	0.00	25.60	1.25	0.01	0.00
23.05	1.25	0.01	0.00	25.65	1.25	0.01	0.00
23.10	1.25	0.01	0.00	25.70	1.25	0.01	0.00
23.15	1.25	0.01	0.00	25.75	1.25	0.01	0.00
23.20	1.25	0.01	0.00	25.80	1.25	0.01	0.00
23.25	1.25	0.01	0.00	25.85	1.25	0.01	0.00
23.30	1.25	0.01	0.00	25.90	1.25	0.01	0.00
23.35	1.25	0.01	0.00	25.95	1.25	0.01	0.00

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	1.25	0.01	0.00	28.60	1.25	0.01	0.00
26.05	1.25	0.01	0.00	28.65	1.25	0.01	0.00
26.10	1.25	0.01	0.00	28.70	1.25	0.01	0.00
26.15	1.25	0.01	0.00	28.75	1.25	0.01	0.00
26.20	1.25	0.01	0.00	28.80	1.25	0.01	0.00
26.25	1.25	0.01	0.00	28.85	1.25	0.01	0.00
26.30	1.25	0.01	0.00	28.90	1.25	0.01	0.00
26.35	1.25	0.01	0.00	28.95	1.25	0.01	0.00
26.40	1.25	0.01	0.00	29.00	1.25	0.01	0.00
26.45	1.25	0.01	0.00	29.05	1.25	0.01	0.00
26.50	1.25	0.01	0.00	29.10	1.25	0.01	0.00
26.55	1.25	0.01	0.00	29.15	1.25	0.01	0.00
26.60	1.25	0.01	0.00	29.20	1.25	0.01	0.00
26.65	1.25	0.01	0.00	29.25	1.25	0.01	0.00
26.70	1.25	0.01	0.00	29.30	1.25	0.01	0.00
26.75	1.25	0.01	0.00	29.35	1.25	0.01	0.00
26.80	1.25	0.01	0.00	29.40	1.25	0.01	0.00
26.85	1.25	0.01	0.00	29.45	1.25	0.01	0.00
26.90	1.25	0.01	0.00	29.50	1.25	0.01	0.00
26.95	1.25	0.01	0.00	29.55	1.25	0.01	0.00
27.00	1.25	0.01	0.00	29.60	1.25	0.01	0.00
27.05	1.25	0.01	0.00	29.65	1.25	0.01	0.00
27.10	1.25	0.01	0.00	29.70	1.25	0.01	0.00
27.15	1.25	0.01	0.00	29.75	1.25	0.01	0.00
27.20	1.25	0.01	0.00	29.80	1.25	0.01	0.00
27.25	1.25	0.01	0.00	29.85	1.25	0.01	0.00
27.30	1.25	0.01	0.00	29.90	1.25	0.01	0.00
27.35	1.25	0.01	0.00	29.95	1.25	0.01	0.00
27.40	1.25	0.01	0.00	30.00	1.25	0.01	0.00
27.45	1.25	0.01	0.00	30.05	1.25	0.01	0.00
27.50	1.25	0.01	0.00	30.10	1.25	0.01	0.00
27.55	1.25	0.01	0.00	30.15	1.25	0.01	0.00
27.60	1.25	0.01	0.00	30.20	1.25	0.01	0.00
27.65	1.25	0.01	0.00	30.25	1.25	0.01	0.00
27.70	1.25	0.01	0.00	30.30	1.25	0.01	0.00
27.75	1.25	0.01	0.00	30.35	1.25	0.01	0.00
27.80	1.25	0.01	0.00	30.40	1.25	0.01	0.00
27.85	1.25	0.01	0.00	30.45	1.25	0.01	0.00
27.90	1.25	0.01	0.00	30.50	1.25	0.01	0.00
27.95	1.25	0.01	0.00	30.55	1.25	0.01	0.00
28.00	1.25	0.01	0.00	30.60	1.25	0.01	0.00
28.05	1.25	0.01	0.00	30.65	1.25	0.01	0.00
28.10	1.25	0.01	0.00	30.70	1.25	0.01	0.00
28.15	1.25	0.01	0.00	30.75	1.25	0.01	0.00
28.20	1.25	0.01	0.00	30.80	1.25	0.01	0.00
28.25	1.25	0.01	0.00	30.85	1.25	0.01	0.00
28.30	1.25	0.01	0.00	30.90	1.25	0.01	0.00
28.35	1.25	0.01	0.00	30.95	1.25	0.01	0.00
28.40	1.25	0.01	0.00	31.00	1.25	0.01	0.00
28.45	1.25	0.01	0.00	31.05	1.25	0.01	0.00
28.50	1.25	0.01	0.00	31.10	1.25	0.01	0.00
28.55	1.25	0.01	0.00	31.15	1.25	0.01	0.00

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	1.25	0.01	0.00	33.80	1.25	0.01	0.00
31.25	1.25	0.01	0.00	33.85	1.25	0.01	0.00
31.30	1.25	0.01	0.00	33.90	1.25	0.01	0.00
31.35	1.25	0.01	0.00	33.95	1.25	0.01	0.00
31.40	1.25	0.01	0.00	34.00	1.25	0.01	0.00
31.45	1.25	0.01	0.00	34.05	1.25	0.01	0.00
31.50	1.25	0.01	0.00	34.10	1.25	0.01	0.00
31.55	1.25	0.01	0.00	34.15	1.25	0.01	0.00
31.60	1.25	0.01	0.00	34.20	1.25	0.01	0.00
31.65	1.25	0.01	0.00	34.25	1.25	0.01	0.00
31.70	1.25	0.01	0.00	34.30	1.25	0.01	0.00
31.75	1.25	0.01	0.00	34.35	1.25	0.01	0.00
31.80	1.25	0.01	0.00	34.40	1.25	0.01	0.00
31.85	1.25	0.01	0.00	34.45	1.25	0.01	0.00
31.90	1.25	0.01	0.00	34.50	1.25	0.01	0.00
31.95	1.25	0.01	0.00	34.55	1.25	0.01	0.00
32.00	1.25	0.01	0.00	34.60	1.25	0.01	0.00
32.05	1.25	0.01	0.00	34.65	1.25	0.01	0.00
32.10	1.25	0.01	0.00	34.70	1.25	0.01	0.00
32.15	1.25	0.01	0.00	34.75	1.25	0.01	0.00
32.20	1.25	0.01	0.00	34.80	1.25	0.01	0.00
32.25	1.25	0.01	0.00	34.85	1.25	0.01	0.00
32.30	1.25	0.01	0.00	34.90	1.25	0.01	0.00
32.35	1.25	0.01	0.00	34.95	1.25	0.01	0.00
32.40	1.25	0.01	0.00	35.00	1.25	0.01	0.00
32.45	1.25	0.01	0.00	35.05	1.25	0.01	0.00
32.50	1.25	0.01	0.00	35.10	1.25	0.01	0.00
32.55	1.25	0.01	0.00	35.15	1.25	0.01	0.00
32.60	1.25	0.01	0.00	35.20	1.25	0.01	0.00
32.65	1.25	0.01	0.00	35.25	1.25	0.01	0.00
32.70	1.25	0.01	0.00	35.30	1.25	0.01	0.00
32.75	1.25	0.01	0.00	35.35	1.25	0.01	0.00
32.80	1.25	0.01	0.00	35.40	1.25	0.01	0.00
32.85	1.25	0.01	0.00	35.45	1.25	0.01	0.00
32.90	1.25	0.01	0.00	35.50	1.25	0.01	0.00
32.95	1.25	0.01	0.00	35.55	1.25	0.01	0.00
33.00	1.25	0.01	0.00	35.60	1.25	0.01	0.00
33.05	1.25	0.01	0.00	35.65	1.25	0.01	0.00
33.10	1.25	0.01	0.00	35.70	1.25	0.01	0.00
33.15	1.25	0.01	0.00	35.75	1.25	0.01	0.00
33.20	1.25	0.01	0.00	35.80	1.25	0.01	0.00
33.25	1.25	0.01	0.00	35.85	1.25	0.01	0.00
33.30	1.25	0.01	0.00	35.90	1.25	0.01	0.00
33.35	1.25	0.01	0.00	35.95	1.25	0.01	0.00
33.40	1.25	0.01	0.00	36.00	1.25	0.01	0.00
33.45	1.25	0.01	0.00	36.05	1.25	0.01	0.00
33.50	1.25	0.01	0.00	36.10	1.25	0.01	0.00
33.55	1.25	0.01	0.00	36.15	1.25	0.01	0.00
33.60	1.25	0.01	0.00	36.20	1.25	0.01	0.00
33.65	1.25	0.01	0.00	36.25	1.25	0.01	0.00
33.70	1.25	0.01	0.00	36.30	1.25	0.01	0.00
33.75	1.25	0.01	0.00	36.35	1.25	0.01	0.00

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	1.25	0.01	0.00
36.45	1.25	0.01	0.00
36.50	1.25	0.01	0.00
36.55	1.25	0.01	0.00
36.60	1.25	0.01	0.00
36.65	1.25	0.01	0.00
36.70	1.25	0.01	0.00
36.75	1.25	0.01	0.00
36.80	1.25	0.01	0.00
36.85	1.25	0.01	0.00
36.90	1.25	0.01	0.00
36.95	1.25	0.01	0.00
37.00	1.25	0.01	0.00
37.05	1.25	0.01	0.00
37.10	1.25	0.01	0.00
37.15	1.25	0.01	0.00
37.20	1.25	0.01	0.00
37.25	1.25	0.01	0.00
37.30	1.25	0.01	0.00
37.35	1.25	0.01	0.00
37.40	1.25	0.01	0.00
37.45	1.25	0.01	0.00
37.50	1.25	0.01	0.00
37.55	1.25	0.01	0.00
37.60	1.25	0.01	0.00
37.65	1.25	0.01	0.00
37.70	1.25	0.01	0.00
37.75	1.25	0.01	0.00
37.80	1.25	0.01	0.00
37.85	1.25	0.01	0.00
37.90	1.25	0.01	0.00
37.95	1.25	0.01	0.00
38.00	1.25	0.01	0.00
38.05	1.25	0.01	0.00
38.10	1.25	0.01	0.00
38.15	1.25	0.01	0.00
38.20	1.25	0.01	0.00
38.25	1.25	0.01	0.00
38.30	1.25	0.01	0.00
38.35	1.25	0.01	0.00
38.40	1.25	0.01	0.00
38.45	1.25	0.01	0.00
38.50	1.25	0.01	0.00
38.55	1.25	0.01	0.00
38.60	1.25	0.01	0.00
38.65	1.25	0.01	0.00
38.70	1.25	0.01	0.00
38.75	1.25	0.01	0.00
38.80	1.25	0.01	0.00
38.85	1.25	0.01	0.00
38.90	1.25	0.01	0.00
38.95	1.25	0.01	0.00
39.00	1.25	0.01	0.00
39.05	1.25	0.01	0.00
39.10	1.25	0.01	0.00
39.15	1.25	0.01	0.00
39.20	1.25	0.01	0.00
39.25	1.25	0.01	0.00
39.30	1.25	0.01	0.00
39.35	1.25	0.01	0.00
39.40	1.25	0.01	0.00
39.45	1.25	0.01	0.00
39.50	1.25	0.01	0.00
39.55	1.25	0.01	0.00
39.60	1.25	0.01	0.00
39.65	1.25	0.01	0.00
39.70	1.25	0.01	0.00
39.75	1.25	0.01	0.00
39.80	1.25	0.01	0.00
39.85	1.25	0.01	0.00
39.90	1.25	0.01	0.00
39.95	1.25	0.01	0.00
40.00	1.25	0.01	0.00

Summary for Pond B-51: Basin #51

Inflow Area = 11.027 ac, 43.68% Impervious, Inflow Depth = 0.01" for WQ Storm event
Inflow = 0.09 cfs @ 1.23 hrs, Volume= 0.005 af
Outflow = 0.00 cfs @ 5.27 hrs, Volume= 0.002 af, Atten= 98%, Lag= 242.6 min
Primary = 0.00 cfs @ 5.27 hrs, Volume= 0.002 af
Routed to Link PDA-6ON : Proposed Onsite Drainage Area #6

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 184.01' @ 5.27 hrs Surf.Area= 16,548 sf Storage= 214 cf

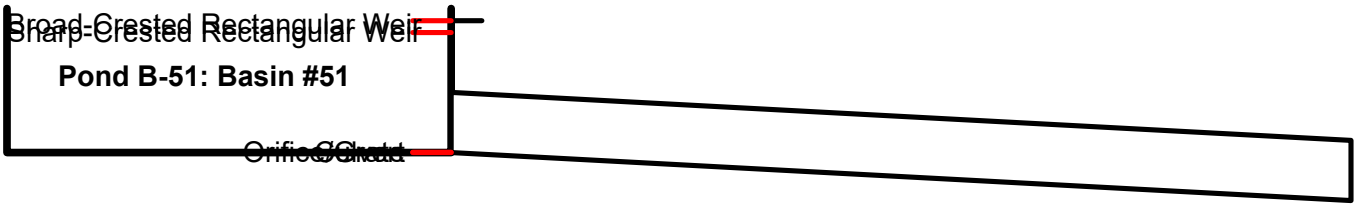
Plug-Flow detention time= 638.1 min calculated for 0.002 af (30% of inflow)
Center-of-Mass det. time= 587.8 min (712.3 - 124.6)

Volume	Invert	Avail.Storage	Storage Description
#1	184.00'	99,288 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

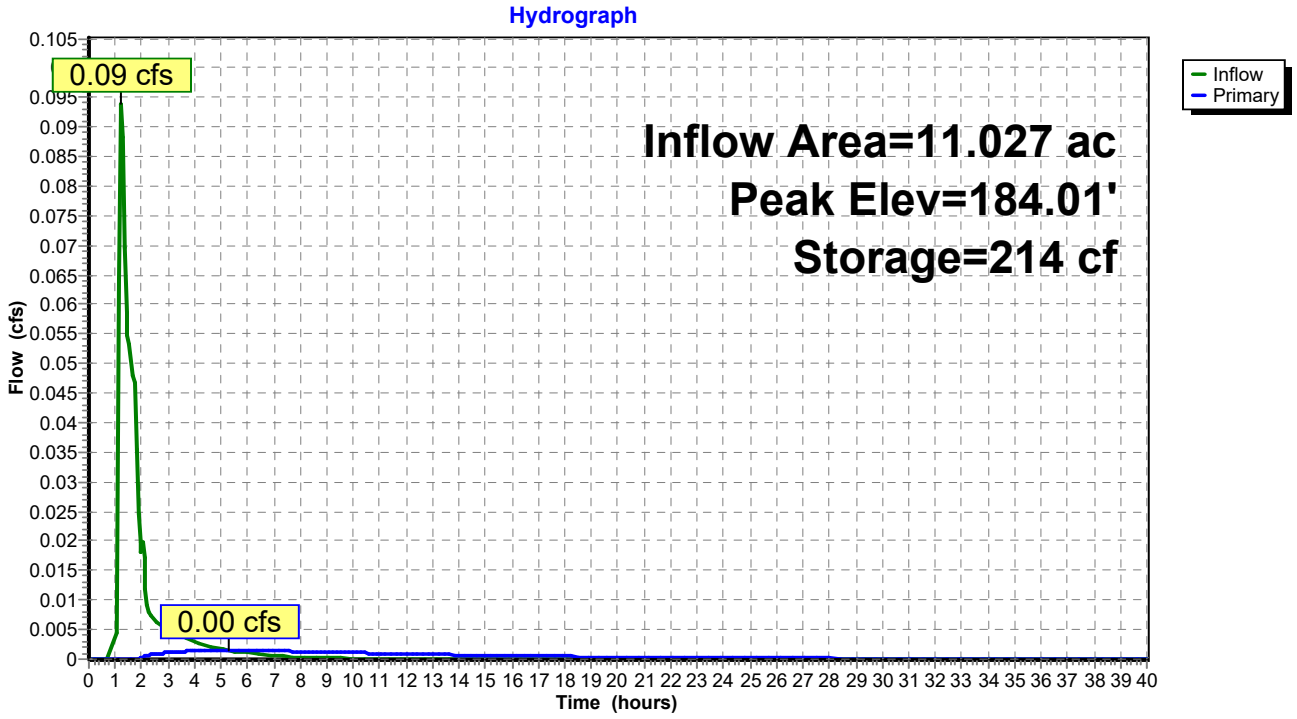
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
184.00	16,548	0	0
185.00	16,548	16,548	16,548
186.00	16,548	16,548	33,096
187.00	16,548	16,548	49,644
188.00	16,548	16,548	66,192
189.00	16,548	16,548	82,740
190.00	16,548	16,548	99,288

Device	Routing	Invert	Outlet Devices
#1	Primary	184.00'	**30.0" Round Culvert** L= 147.0' Ke= 0.500 Inlet / Outlet Invert= 184.00' / 182.00' S= 0.0136 '/' Cc= 0.900 n= 0.013, Flow Area= 4.91 sf
#2	Device 1	184.01'	**27.0" W x 12.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	189.00'	**8.0' long Sharp-Crested Rectangular Weir** 0 End Contraction(s)
#4	Primary	189.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.00 cfs @ 5.27 hrs HW=184.01' (Free Discharge)
- **1=Culvert** (Barrel Controls 0.00 cfs @ 0.46 fps)
  - **2=Orifice/Grate** (Passes 0.00 cfs of 0.00 cfs potential flow)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-51: Basin #51



Hydrograph for Pond B-51: Basin #51

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	184.00	0.00
0.10	0.00	0	184.00	0.00
0.20	0.00	0	184.00	0.00
0.30	0.00	0	184.00	0.00
0.40	0.00	0	184.00	0.00
0.50	0.00	0	184.00	0.00
0.60	0.00	0	184.00	0.00
0.70	0.00	0	184.00	0.00
0.80	0.00	0	184.00	0.00
0.90	0.00	0	184.00	0.00
1.00	0.00	0	184.00	0.00
1.10	0.02	2	184.00	0.00
1.20	**0.09**	23	184.00	0.00
1.30	**0.08**	56	184.00	0.00
1.40	0.06	81	184.00	0.00
1.50	0.05	101	184.01	0.00
1.60	0.05	120	184.01	0.00
1.70	0.05	138	184.01	0.00
1.80	0.05	155	184.01	0.00
1.90	0.02	167	184.01	0.00
2.00	0.02	175	184.01	0.00
2.10	0.02	181	184.01	0.00
2.20	0.01	186	184.01	0.00
2.30	0.01	188	184.01	0.00
2.40	0.01	191	184.01	0.00
2.50	0.01	193	184.01	0.00
2.60	0.01	195	184.01	0.00
2.70	0.01	197	184.01	0.00
2.80	0.01	198	184.01	0.00
2.90	0.01	200	184.01	0.00
3.00	0.01	202	184.01	0.00
3.10	0.00	203	184.01	0.00
3.20	0.00	204	184.01	0.00
3.30	0.00	205	184.01	0.00
3.40	0.00	206	184.01	0.00
3.50	0.00	207	184.01	0.00
3.60	0.00	208	184.01	0.00
3.70	0.00	209	184.01	0.00
3.80	0.00	210	184.01	0.00
3.90	0.00	210	184.01	0.00
4.00	0.00	211	184.01	0.00
4.10	0.00	211	184.01	0.00
4.20	0.00	212	184.01	0.00
4.30	0.00	212	184.01	0.00
4.40	0.00	213	184.01	0.00
4.50	0.00	213	184.01	0.00
4.60	0.00	213	184.01	0.00
4.70	0.00	213	184.01	0.00
4.80	0.00	214	184.01	0.00
4.90	0.00	214	184.01	0.00
5.00	0.00	214	184.01	0.00
5.10	0.00	214	184.01	0.00

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	**214**	**184.01**	**0.00**
5.30	0.00	**214**	**184.01**	**0.00**
5.40	0.00	214	184.01	0.00
5.50	0.00	214	184.01	0.00
5.60	0.00	214	184.01	0.00
5.70	0.00	214	184.01	0.00
5.80	0.00	214	184.01	0.00
5.90	0.00	214	184.01	0.00
6.00	0.00	213	184.01	0.00
6.10	0.00	213	184.01	0.00
6.20	0.00	213	184.01	0.00
6.30	0.00	213	184.01	0.00
6.40	0.00	213	184.01	0.00
6.50	0.00	212	184.01	0.00
6.60	0.00	212	184.01	0.00
6.70	0.00	212	184.01	0.00
6.80	0.00	212	184.01	0.00
6.90	0.00	211	184.01	0.00
7.00	0.00	211	184.01	0.00
7.10	0.00	211	184.01	0.00
7.20	0.00	210	184.01	0.00
7.30	0.00	210	184.01	0.00
7.40	0.00	210	184.01	0.00
7.50	0.00	209	184.01	0.00
7.60	0.00	209	184.01	0.00
7.70	0.00	209	184.01	0.00
7.80	0.00	209	184.01	0.00
7.90	0.00	208	184.01	0.00
8.00	0.00	208	184.01	0.00
8.10	0.00	207	184.01	0.00
8.20	0.00	207	184.01	0.00
8.30	0.00	207	184.01	0.00
8.40	0.00	206	184.01	0.00
8.50	0.00	206	184.01	0.00
8.60	0.00	206	184.01	0.00
8.70	0.00	205	184.01	0.00
8.80	0.00	205	184.01	0.00
8.90	0.00	205	184.01	0.00
9.00	0.00	204	184.01	0.00
9.10	0.00	204	184.01	0.00
9.20	0.00	204	184.01	0.00
9.30	0.00	203	184.01	0.00
9.40	0.00	203	184.01	0.00
9.50	0.00	203	184.01	0.00
9.60	0.00	202	184.01	0.00
9.70	0.00	202	184.01	0.00
9.80	0.00	202	184.01	0.00
9.90	0.00	201	184.01	0.00
10.00	0.00	201	184.01	0.00
10.10	0.00	201	184.01	0.00
10.20	0.00	200	184.01	0.00
10.30	0.00	200	184.01	0.00

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.00	199	184.01	0.00
10.50	0.00	199	184.01	0.00
10.60	0.00	199	184.01	0.00
10.70	0.00	198	184.01	0.00
10.80	0.00	198	184.01	0.00
10.90	0.00	198	184.01	0.00
11.00	0.00	197	184.01	0.00
11.10	0.00	197	184.01	0.00
11.20	0.00	197	184.01	0.00
11.30	0.00	197	184.01	0.00
11.40	0.00	196	184.01	0.00
11.50	0.00	196	184.01	0.00
11.60	0.00	196	184.01	0.00
11.70	0.00	195	184.01	0.00
11.80	0.00	195	184.01	0.00
11.90	0.00	195	184.01	0.00
12.00	0.00	194	184.01	0.00
12.10	0.00	194	184.01	0.00
12.20	0.00	194	184.01	0.00
12.30	0.00	193	184.01	0.00
12.40	0.00	193	184.01	0.00
12.50	0.00	193	184.01	0.00
12.60	0.00	193	184.01	0.00
12.70	0.00	192	184.01	0.00
12.80	0.00	192	184.01	0.00
12.90	0.00	192	184.01	0.00
13.00	0.00	191	184.01	0.00
13.10	0.00	191	184.01	0.00
13.20	0.00	191	184.01	0.00
13.30	0.00	191	184.01	0.00
13.40	0.00	190	184.01	0.00
13.50	0.00	190	184.01	0.00
13.60	0.00	190	184.01	0.00
13.70	0.00	190	184.01	0.00
13.80	0.00	189	184.01	0.00
13.90	0.00	189	184.01	0.00
14.00	0.00	189	184.01	0.00
14.10	0.00	189	184.01	0.00
14.20	0.00	188	184.01	0.00
14.30	0.00	188	184.01	0.00
14.40	0.00	188	184.01	0.00
14.50	0.00	188	184.01	0.00
14.60	0.00	187	184.01	0.00
14.70	0.00	187	184.01	0.00
14.80	0.00	187	184.01	0.00
14.90	0.00	187	184.01	0.00
15.00	0.00	186	184.01	0.00
15.10	0.00	186	184.01	0.00
15.20	0.00	186	184.01	0.00
15.30	0.00	186	184.01	0.00
15.40	0.00	186	184.01	0.00
15.50	0.00	185	184.01	0.00

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.00	185	184.01	0.00
15.70	0.00	185	184.01	0.00
15.80	0.00	185	184.01	0.00
15.90	0.00	184	184.01	0.00
16.00	0.00	184	184.01	0.00
16.10	0.00	184	184.01	0.00
16.20	0.00	184	184.01	0.00
16.30	0.00	184	184.01	0.00
16.40	0.00	183	184.01	0.00
16.50	0.00	183	184.01	0.00
16.60	0.00	183	184.01	0.00
16.70	0.00	183	184.01	0.00
16.80	0.00	183	184.01	0.00
16.90	0.00	182	184.01	0.00
17.00	0.00	182	184.01	0.00
17.10	0.00	182	184.01	0.00
17.20	0.00	182	184.01	0.00
17.30	0.00	182	184.01	0.00
17.40	0.00	182	184.01	0.00
17.50	0.00	181	184.01	0.00
17.60	0.00	181	184.01	0.00
17.70	0.00	181	184.01	0.00
17.80	0.00	181	184.01	0.00
17.90	0.00	181	184.01	0.00
18.00	0.00	181	184.01	0.00
18.10	0.00	180	184.01	0.00
18.20	0.00	180	184.01	0.00
18.30	0.00	180	184.01	0.00
18.40	0.00	180	184.01	0.00
18.50	0.00	180	184.01	0.00
18.60	0.00	180	184.01	0.00
18.70	0.00	179	184.01	0.00
18.80	0.00	179	184.01	0.00
18.90	0.00	179	184.01	0.00
19.00	0.00	179	184.01	0.00
19.10	0.00	179	184.01	0.00
19.20	0.00	179	184.01	0.00
19.30	0.00	179	184.01	0.00
19.40	0.00	178	184.01	0.00
19.50	0.00	178	184.01	0.00
19.60	0.00	178	184.01	0.00
19.70	0.00	178	184.01	0.00
19.80	0.00	178	184.01	0.00
19.90	0.00	178	184.01	0.00
20.00	0.00	178	184.01	0.00
20.10	0.00	177	184.01	0.00
20.20	0.00	177	184.01	0.00
20.30	0.00	177	184.01	0.00
20.40	0.00	177	184.01	0.00
20.50	0.00	177	184.01	0.00
20.60	0.00	177	184.01	0.00
20.70	0.00	177	184.01	0.00

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.00	177	184.01	0.00
20.90	0.00	176	184.01	0.00
21.00	0.00	176	184.01	0.00
21.10	0.00	176	184.01	0.00
21.20	0.00	176	184.01	0.00
21.30	0.00	176	184.01	0.00
21.40	0.00	176	184.01	0.00
21.50	0.00	176	184.01	0.00
21.60	0.00	176	184.01	0.00
21.70	0.00	175	184.01	0.00
21.80	0.00	175	184.01	0.00
21.90	0.00	175	184.01	0.00
22.00	0.00	175	184.01	0.00
22.10	0.00	175	184.01	0.00
22.20	0.00	175	184.01	0.00
22.30	0.00	175	184.01	0.00
22.40	0.00	175	184.01	0.00
22.50	0.00	175	184.01	0.00
22.60	0.00	175	184.01	0.00
22.70	0.00	174	184.01	0.00
22.80	0.00	174	184.01	0.00
22.90	0.00	174	184.01	0.00
23.00	0.00	174	184.01	0.00
23.10	0.00	174	184.01	0.00
23.20	0.00	174	184.01	0.00
23.30	0.00	174	184.01	0.00
23.40	0.00	174	184.01	0.00
23.50	0.00	174	184.01	0.00
23.60	0.00	174	184.01	0.00
23.70	0.00	174	184.01	0.00
23.80	0.00	173	184.01	0.00
23.90	0.00	173	184.01	0.00
24.00	0.00	173	184.01	0.00
24.10	0.00	173	184.01	0.00
24.20	0.00	173	184.01	0.00
24.30	0.00	173	184.01	0.00
24.40	0.00	173	184.01	0.00
24.50	0.00	173	184.01	0.00
24.60	0.00	173	184.01	0.00
24.70	0.00	173	184.01	0.00
24.80	0.00	173	184.01	0.00
24.90	0.00	173	184.01	0.00
25.00	0.00	172	184.01	0.00
25.10	0.00	172	184.01	0.00
25.20	0.00	172	184.01	0.00
25.30	0.00	172	184.01	0.00
25.40	0.00	172	184.01	0.00
25.50	0.00	172	184.01	0.00
25.60	0.00	172	184.01	0.00
25.70	0.00	172	184.01	0.00
25.80	0.00	172	184.01	0.00
25.90	0.00	172	184.01	0.00

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	172	184.01	0.00
26.10	0.00	172	184.01	0.00
26.20	0.00	172	184.01	0.00
26.30	0.00	171	184.01	0.00
26.40	0.00	171	184.01	0.00
26.50	0.00	171	184.01	0.00
26.60	0.00	171	184.01	0.00
26.70	0.00	171	184.01	0.00
26.80	0.00	171	184.01	0.00
26.90	0.00	171	184.01	0.00
27.00	0.00	171	184.01	0.00
27.10	0.00	171	184.01	0.00
27.20	0.00	171	184.01	0.00
27.30	0.00	171	184.01	0.00
27.40	0.00	171	184.01	0.00
27.50	0.00	171	184.01	0.00
27.60	0.00	171	184.01	0.00
27.70	0.00	171	184.01	0.00
27.80	0.00	171	184.01	0.00
27.90	0.00	171	184.01	0.00
28.00	0.00	170	184.01	0.00
28.10	0.00	170	184.01	0.00
28.20	0.00	170	184.01	0.00
28.30	0.00	170	184.01	0.00
28.40	0.00	170	184.01	0.00
28.50	0.00	170	184.01	0.00
28.60	0.00	170	184.01	0.00
28.70	0.00	170	184.01	0.00
28.80	0.00	170	184.01	0.00
28.90	0.00	170	184.01	0.00
29.00	0.00	170	184.01	0.00
29.10	0.00	170	184.01	0.00
29.20	0.00	170	184.01	0.00
29.30	0.00	170	184.01	0.00
29.40	0.00	170	184.01	0.00
29.50	0.00	170	184.01	0.00
29.60	0.00	170	184.01	0.00
29.70	0.00	170	184.01	0.00
29.80	0.00	170	184.01	0.00
29.90	0.00	170	184.01	0.00
30.00	0.00	169	184.01	0.00
30.10	0.00	169	184.01	0.00
30.20	0.00	169	184.01	0.00
30.30	0.00	169	184.01	0.00
30.40	0.00	169	184.01	0.00
30.50	0.00	169	184.01	0.00
30.60	0.00	169	184.01	0.00
30.70	0.00	169	184.01	0.00
30.80	0.00	169	184.01	0.00
30.90	0.00	169	184.01	0.00
31.00	0.00	169	184.01	0.00
31.10	0.00	169	184.01	0.00

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	169	184.01	0.00
31.30	0.00	169	184.01	0.00
31.40	0.00	169	184.01	0.00
31.50	0.00	169	184.01	0.00
31.60	0.00	169	184.01	0.00
31.70	0.00	169	184.01	0.00
31.80	0.00	169	184.01	0.00
31.90	0.00	169	184.01	0.00
32.00	0.00	169	184.01	0.00
32.10	0.00	169	184.01	0.00
32.20	0.00	169	184.01	0.00
32.30	0.00	169	184.01	0.00
32.40	0.00	169	184.01	0.00
32.50	0.00	169	184.01	0.00
32.60	0.00	168	184.01	0.00
32.70	0.00	168	184.01	0.00
32.80	0.00	168	184.01	0.00
32.90	0.00	168	184.01	0.00
33.00	0.00	168	184.01	0.00
33.10	0.00	168	184.01	0.00
33.20	0.00	168	184.01	0.00
33.30	0.00	168	184.01	0.00
33.40	0.00	168	184.01	0.00
33.50	0.00	168	184.01	0.00
33.60	0.00	168	184.01	0.00
33.70	0.00	168	184.01	0.00
33.80	0.00	168	184.01	0.00
33.90	0.00	168	184.01	0.00
34.00	0.00	168	184.01	0.00
34.10	0.00	168	184.01	0.00
34.20	0.00	168	184.01	0.00
34.30	0.00	168	184.01	0.00
34.40	0.00	168	184.01	0.00
34.50	0.00	168	184.01	0.00
34.60	0.00	168	184.01	0.00
34.70	0.00	168	184.01	0.00
34.80	0.00	168	184.01	0.00
34.90	0.00	168	184.01	0.00
35.00	0.00	168	184.01	0.00
35.10	0.00	168	184.01	0.00
35.20	0.00	168	184.01	0.00
35.30	0.00	168	184.01	0.00
35.40	0.00	168	184.01	0.00
35.50	0.00	168	184.01	0.00
35.60	0.00	168	184.01	0.00
35.70	0.00	168	184.01	0.00
35.80	0.00	168	184.01	0.00
35.90	0.00	168	184.01	0.00
36.00	0.00	168	184.01	0.00
36.10	0.00	168	184.01	0.00
36.20	0.00	167	184.01	0.00
36.30	0.00	167	184.01	0.00

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	167	184.01	0.00
36.50	0.00	167	184.01	0.00
36.60	0.00	167	184.01	0.00
36.70	0.00	167	184.01	0.00
36.80	0.00	167	184.01	0.00
36.90	0.00	167	184.01	0.00
37.00	0.00	167	184.01	0.00
37.10	0.00	167	184.01	0.00
37.20	0.00	167	184.01	0.00
37.30	0.00	167	184.01	0.00
37.40	0.00	167	184.01	0.00
37.50	0.00	167	184.01	0.00
37.60	0.00	167	184.01	0.00
37.70	0.00	167	184.01	0.00
37.80	0.00	167	184.01	0.00
37.90	0.00	167	184.01	0.00
38.00	0.00	167	184.01	0.00
38.10	0.00	167	184.01	0.00
38.20	0.00	167	184.01	0.00
38.30	0.00	167	184.01	0.00
38.40	0.00	167	184.01	0.00
38.50	0.00	167	184.01	0.00
38.60	0.00	167	184.01	0.00
38.70	0.00	167	184.01	0.00
38.80	0.00	167	184.01	0.00
38.90	0.00	167	184.01	0.00
39.00	0.00	167	184.01	0.00
39.10	0.00	167	184.01	0.00
39.20	0.00	167	184.01	0.00
39.30	0.00	167	184.01	0.00
39.40	0.00	167	184.01	0.00
39.50	0.00	167	184.01	0.00
39.60	0.00	167	184.01	0.00
39.70	0.00	167	184.01	0.00
39.80	0.00	167	184.01	0.00
39.90	0.00	167	184.01	0.00
40.00	0.00	167	184.01	0.00

Stage-Discharge for Pond B-51: Basin #51

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
184.00	0.00	184.52	1.81	185.04	6.71	185.56	10.99
184.01	0.00	184.53	1.88	185.05	6.83	185.57	11.05
184.02	0.00	184.54	1.95	185.06	6.94	185.58	11.10
184.03	0.01	184.55	2.02	185.07	7.06	185.59	11.15
184.04	0.01	184.56	2.09	185.08	7.19	185.60	11.21
184.05	0.02	184.57	2.17	185.09	7.31	185.61	11.26
184.06	0.03	184.58	2.24	185.10	7.43	185.62	11.31
184.07	0.03	184.59	2.31	185.11	7.55	185.63	11.37
184.08	0.05	184.60	2.39	185.12	7.67	185.64	11.42
184.09	0.06	184.61	2.47	185.13	7.80	185.65	11.47
184.10	0.07	184.62	2.54	185.14	7.92	185.66	11.52
184.11	0.09	184.63	2.62	185.15	8.05	185.67	11.57
184.12	0.10	184.64	2.70	185.16	8.18	185.68	11.63
184.13	0.12	184.65	2.78	185.17	8.30	185.69	11.68
184.14	0.14	184.66	2.87	185.18	8.43	185.70	11.73
184.15	0.16	184.67	2.95	185.19	8.56	185.71	11.78
184.16	0.18	184.68	3.03	185.20	8.69	185.72	11.83
184.17	0.20	184.69	3.12	185.21	8.82	185.73	11.88
184.18	0.23	184.70	3.21	185.22	8.92	185.74	11.93
184.19	0.25	184.71	3.29	185.23	8.99	185.75	11.98
184.20	0.28	184.72	3.38	185.24	9.06	185.76	12.03
184.21	0.31	184.73	3.47	185.25	9.12	185.77	12.08
184.22	0.34	184.74	3.56	185.26	9.19	185.78	12.13
184.23	0.37	184.75	3.65	185.27	9.26	185.79	12.18
184.24	0.40	184.76	3.74	185.28	9.32	185.80	12.23
184.25	0.43	184.77	3.84	185.29	9.39	185.81	12.27
184.26	0.47	184.78	3.93	185.30	9.45	185.82	12.32
184.27	0.51	184.79	4.03	185.31	9.52	185.83	12.37
184.28	0.54	184.80	4.12	185.32	9.58	185.84	12.42
184.29	0.58	184.81	4.22	185.33	9.65	185.85	12.47
184.30	0.62	184.82	4.32	185.34	9.71	185.86	12.51
184.31	0.66	184.83	4.42	185.35	9.77	185.87	12.56
184.32	0.71	184.84	4.52	185.36	9.83	185.88	12.61
184.33	0.75	184.85	4.62	185.37	9.89	185.89	12.66
184.34	0.80	184.86	4.72	185.38	9.96	185.90	12.70
184.35	0.84	184.87	4.82	185.39	10.02	185.91	12.75
184.36	0.89	184.88	4.93	185.40	10.08	185.92	12.80
184.37	0.94	184.89	5.03	185.41	10.14	185.93	12.84
184.38	0.99	184.90	5.14	185.42	10.20	185.94	12.89
184.39	1.04	184.91	5.25	185.43	10.26	185.95	12.93
184.40	1.09	184.92	5.35	185.44	10.31	185.96	12.98
184.41	1.15	184.93	5.46	185.45	10.37	185.97	13.02
184.42	1.20	184.94	5.57	185.46	10.43	185.98	13.07
184.43	1.26	184.95	5.68	185.47	10.49	185.99	13.12
184.44	1.31	184.96	5.79	185.48	10.55	186.00	13.16
184.45	1.37	184.97	5.90	185.49	10.60	186.01	13.21
184.46	1.43	184.98	6.02	185.50	10.66	186.02	13.25
184.47	1.49	184.99	6.13	185.51	10.71	186.03	13.30
184.48	1.55	185.00	6.24	185.52	10.77	186.04	13.34
184.49	1.62	185.01	6.36	185.53	10.83	186.05	13.38
184.50	1.68	185.02	6.47	185.54	10.88	186.06	13.43
184.51	1.75	185.03	6.59	185.55	10.94	186.07	13.47

Stage-Discharge for Pond B-51: Basin #51 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
186.08	13.52	186.60	15.62	187.12	17.48	187.64	19.15
186.09	13.56	186.61	15.66	187.13	17.51	187.65	19.18
186.10	13.60	186.62	15.70	187.14	17.54	187.66	19.21
186.11	13.65	186.63	15.74	187.15	17.58	187.67	19.24
186.12	13.69	186.64	15.77	187.16	17.61	187.68	19.27
186.13	13.73	186.65	15.81	187.17	17.64	187.69	19.30
186.14	13.78	186.66	15.85	187.18	17.68	187.70	19.33
186.15	13.82	186.67	15.89	187.19	17.71	187.71	19.36
186.16	13.86	186.68	15.92	187.20	17.74	187.72	19.39
186.17	13.90	186.69	15.96	187.21	17.78	187.73	19.42
186.18	13.95	186.70	16.00	187.22	17.81	187.74	19.45
186.19	13.99	186.71	16.03	187.23	17.84	187.75	19.48
186.20	14.03	186.72	16.07	187.24	17.88	187.76	19.51
186.21	14.07	186.73	16.11	187.25	17.91	187.77	19.54
186.22	14.12	186.74	16.14	187.26	17.94	187.78	19.57
186.23	14.16	186.75	16.18	187.27	17.97	187.79	19.60
186.24	14.20	186.76	16.22	187.28	18.01	187.80	19.63
186.25	14.24	186.77	16.25	187.29	18.04	187.81	19.66
186.26	14.28	186.78	16.29	187.30	18.07	187.82	19.69
186.27	14.32	186.79	16.33	187.31	18.10	187.83	19.72
186.28	14.36	186.80	16.36	187.32	18.14	187.84	19.75
186.29	14.41	186.81	16.40	187.33	18.17	187.85	19.78
186.30	14.45	186.82	16.43	187.34	18.20	187.86	19.81
186.31	14.49	186.83	16.47	187.35	18.23	187.87	19.84
186.32	14.53	186.84	16.50	187.36	18.27	187.88	19.87
186.33	14.57	186.85	16.54	187.37	18.30	187.89	19.90
186.34	14.61	186.86	16.58	187.38	18.33	187.90	19.93
186.35	14.65	186.87	16.61	187.39	18.36	187.91	19.96
186.36	14.69	186.88	16.65	187.40	18.39	187.92	19.99
186.37	14.73	186.89	16.68	187.41	18.43	187.93	20.02
186.38	14.77	186.90	16.72	187.42	18.46	187.94	20.05
186.39	14.81	186.91	16.75	187.43	18.49	187.95	20.08
186.40	14.85	186.92	16.79	187.44	18.52	187.96	20.11
186.41	14.89	186.93	16.82	187.45	18.55	187.97	20.13
186.42	14.93	186.94	16.86	187.46	18.59	187.98	20.16
186.43	14.97	186.95	16.89	187.47	18.62	187.99	20.19
186.44	15.01	186.96	16.93	187.48	18.65	188.00	20.22
186.45	15.05	186.97	16.96	187.49	18.68	188.01	20.25
186.46	15.09	186.98	17.00	187.50	18.71	188.02	20.28
186.47	15.13	186.99	17.03	187.51	18.74	188.03	20.31
186.48	15.16	187.00	17.07	187.52	18.77	188.04	20.34
186.49	15.20	187.01	17.10	187.53	18.81	188.05	20.37
186.50	15.24	187.02	17.14	187.54	18.84	188.06	20.40
186.51	15.28	187.03	17.17	187.55	18.87	188.07	20.42
186.52	15.32	187.04	17.20	187.56	18.90	188.08	20.45
186.53	15.36	187.05	17.24	187.57	18.93	188.09	20.48
186.54	15.40	187.06	17.27	187.58	18.96	188.10	20.51
186.55	15.43	187.07	17.31	187.59	18.99	188.11	20.54
186.56	15.47	187.08	17.34	187.60	19.02	188.12	20.57
186.57	15.51	187.09	17.37	187.61	19.05	188.13	20.60
186.58	15.55	187.10	17.41	187.62	19.08	188.14	20.62
186.59	15.59	187.11	17.44	187.63	19.12	188.15	20.65

Stage-Discharge for Pond B-51: Basin #51 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
188.16	20.68	188.68	22.11	189.20	25.79	189.72	52.99
188.17	20.71	188.69	22.14	189.21	25.99	189.73	54.24
188.18	20.74	188.70	22.16	189.22	26.20	189.74	55.52
188.19	20.77	188.71	22.19	189.23	26.41	189.75	56.83
188.20	20.79	188.72	22.22	189.24	26.63	189.76	58.17
188.21	20.82	188.73	22.24	189.25	26.85	189.77	59.54
188.22	20.85	188.74	22.27	189.26	27.07	189.78	60.93
188.23	20.88	188.75	22.29	189.27	27.30	189.79	62.35
188.24	20.91	188.76	22.32	189.28	27.53	189.80	63.80
188.25	20.94	188.77	22.35	189.29	27.76	189.81	65.27
188.26	20.96	188.78	22.37	189.30	28.00	189.82	66.77
188.27	20.99	188.79	22.40	189.31	28.24	189.83	68.29
188.28	21.02	188.80	22.43	189.32	28.48	189.84	69.84
188.29	21.05	188.81	22.45	189.33	28.73	189.85	71.42
188.30	21.08	188.82	22.48	189.34	28.99	189.86	73.03
188.31	21.10	188.83	22.50	189.35	29.24	189.87	74.66
188.32	21.13	188.84	22.53	189.36	29.50	189.88	76.32
188.33	21.16	188.85	22.56	189.37	29.76	189.89	78.00
188.34	21.19	188.86	22.58	189.38	30.03	189.90	79.71
188.35	21.21	188.87	22.61	189.39	30.29	189.91	81.47
188.36	21.24	188.88	22.63	189.40	30.56	189.92	83.26
188.37	21.27	188.89	22.66	189.41	30.84	189.93	85.08
188.38	21.30	188.90	22.69	189.42	31.12	189.94	86.93
188.39	21.33	188.91	22.71	189.43	31.40	189.95	88.80
188.40	21.35	188.92	22.74	189.44	31.68	189.96	90.70
188.41	21.38	188.93	22.76	189.45	31.97	189.97	92.64
188.42	21.41	188.94	22.79	189.46	32.25	189.98	94.60
188.43	21.44	188.95	22.82	189.47	32.55	189.99	96.58
188.44	21.46	188.96	22.84	189.48	32.84	190.00	**98.58**
188.45	21.49	188.97	22.87	189.49	33.14		
188.46	21.52	188.98	22.89	189.50	33.44		
188.47	21.54	188.99	22.92	189.51	33.86		
188.48	21.57	189.00	22.94	189.52	34.38		
188.49	21.60	189.01	23.00	189.53	34.97		
188.50	21.63	189.02	23.07	189.54	35.61		
188.51	21.65	189.03	23.16	189.55	36.29		
188.52	21.68	189.04	23.26	189.56	37.02		
188.53	21.71	189.05	23.36	189.57	37.79		
188.54	21.73	189.06	23.48	189.58	38.60		
188.55	21.76	189.07	23.61	189.59	39.44		
188.56	21.79	189.08	23.74	189.60	40.31		
188.57	21.82	189.09	23.88	189.61	41.21		
188.58	21.84	189.10	24.03	189.62	42.14		
188.59	21.87	189.11	24.18	189.63	43.10		
188.60	21.90	189.12	24.34	189.64	44.09		
188.61	21.92	189.13	24.50	189.65	45.11		
188.62	21.95	189.14	24.67	189.66	46.15		
188.63	21.98	189.15	24.84	189.67	47.21		
188.64	22.00	189.16	25.02	189.68	48.30		
188.65	22.03	189.17	25.21	189.69	49.42		
188.66	22.06	189.18	25.40	189.70	50.56		
188.67	22.08	189.19	25.59	189.71	51.76		

Stage-Area-Storage for Pond B-51: Basin #51

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
184.00	**16,548**	0	184.52	16,548	8,605
184.01	16,548	165	184.53	16,548	8,770
184.02	16,548	331	184.54	16,548	8,936
184.03	16,548	496	184.55	16,548	9,101
184.04	16,548	662	184.56	16,548	9,267
184.05	16,548	827	184.57	16,548	9,432
184.06	16,548	993	184.58	16,548	9,598
184.07	16,548	1,158	184.59	16,548	9,763
184.08	16,548	1,324	184.60	16,548	9,929
184.09	16,548	1,489	184.61	16,548	10,094
184.10	16,548	1,655	184.62	16,548	10,260
184.11	16,548	1,820	184.63	16,548	10,425
184.12	16,548	1,986	184.64	16,548	10,591
184.13	16,548	2,151	184.65	16,548	10,756
184.14	16,548	2,317	184.66	16,548	10,922
184.15	16,548	2,482	184.67	16,548	11,087
184.16	16,548	2,648	184.68	16,548	11,253
184.17	16,548	2,813	184.69	16,548	11,418
184.18	16,548	2,979	184.70	16,548	11,584
184.19	16,548	3,144	184.71	16,548	11,749
184.20	16,548	3,310	184.72	16,548	11,915
184.21	16,548	3,475	184.73	16,548	12,080
184.22	16,548	3,641	184.74	16,548	12,246
184.23	16,548	3,806	184.75	16,548	12,411
184.24	16,548	3,972	184.76	16,548	12,576
184.25	16,548	4,137	184.77	16,548	12,742
184.26	16,548	4,302	184.78	16,548	12,907
184.27	16,548	4,468	184.79	16,548	13,073
184.28	16,548	4,633	184.80	16,548	13,238
184.29	16,548	4,799	184.81	16,548	13,404
184.30	16,548	4,964	184.82	16,548	13,569
184.31	16,548	5,130	184.83	16,548	13,735
184.32	16,548	5,295	184.84	16,548	13,900
184.33	16,548	5,461	184.85	16,548	14,066
184.34	16,548	5,626	184.86	16,548	14,231
184.35	16,548	5,792	184.87	16,548	14,397
184.36	16,548	5,957	184.88	16,548	14,562
184.37	16,548	6,123	184.89	16,548	14,728
184.38	16,548	6,288	184.90	16,548	14,893
184.39	16,548	6,454	184.91	16,548	15,059
184.40	16,548	6,619	184.92	16,548	15,224
184.41	16,548	6,785	184.93	16,548	15,390
184.42	16,548	6,950	184.94	16,548	15,555
184.43	16,548	7,116	184.95	16,548	15,721
184.44	16,548	7,281	184.96	16,548	15,886
184.45	16,548	7,447	184.97	16,548	16,052
184.46	16,548	7,612	184.98	16,548	16,217
184.47	16,548	7,778	184.99	16,548	16,383
184.48	16,548	7,943	185.00	16,548	16,548
184.49	16,548	8,109	185.01	16,548	16,713
184.50	16,548	8,274	185.02	16,548	16,879
184.51	16,548	8,439	185.03	16,548	17,044

Stage-Area-Storage for Pond B-51: Basin #51 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
185.04	16,548	17,210	185.56	16,548	25,815
185.05	16,548	17,375	185.57	16,548	25,980
185.06	16,548	17,541	185.58	16,548	26,146
185.07	16,548	17,706	185.59	16,548	26,311
185.08	16,548	17,872	185.60	16,548	26,477
185.09	16,548	18,037	185.61	16,548	26,642
185.10	16,548	18,203	185.62	16,548	26,808
185.11	16,548	18,368	185.63	16,548	26,973
185.12	16,548	18,534	185.64	16,548	27,139
185.13	16,548	18,699	185.65	16,548	27,304
185.14	16,548	18,865	185.66	16,548	27,470
185.15	16,548	19,030	185.67	16,548	27,635
185.16	16,548	19,196	185.68	16,548	27,801
185.17	16,548	19,361	185.69	16,548	27,966
185.18	16,548	19,527	185.70	16,548	28,132
185.19	16,548	19,692	185.71	16,548	28,297
185.20	16,548	19,858	185.72	16,548	28,463
185.21	16,548	20,023	185.73	16,548	28,628
185.22	16,548	20,189	185.74	16,548	28,794
185.23	16,548	20,354	185.75	16,548	28,959
185.24	16,548	20,520	185.76	16,548	29,124
185.25	16,548	20,685	185.77	16,548	29,290
185.26	16,548	20,850	185.78	16,548	29,455
185.27	16,548	21,016	185.79	16,548	29,621
185.28	16,548	21,181	185.80	16,548	29,786
185.29	16,548	21,347	185.81	16,548	29,952
185.30	16,548	21,512	185.82	16,548	30,117
185.31	16,548	21,678	185.83	16,548	30,283
185.32	16,548	21,843	185.84	16,548	30,448
185.33	16,548	22,009	185.85	16,548	30,614
185.34	16,548	22,174	185.86	16,548	30,779
185.35	16,548	22,340	185.87	16,548	30,945
185.36	16,548	22,505	185.88	16,548	31,110
185.37	16,548	22,671	185.89	16,548	31,276
185.38	16,548	22,836	185.90	16,548	31,441
185.39	16,548	23,002	185.91	16,548	31,607
185.40	16,548	23,167	185.92	16,548	31,772
185.41	16,548	23,333	185.93	16,548	31,938
185.42	16,548	23,498	185.94	16,548	32,103
185.43	16,548	23,664	185.95	16,548	32,269
185.44	16,548	23,829	185.96	16,548	32,434
185.45	16,548	23,995	185.97	16,548	32,600
185.46	16,548	24,160	185.98	16,548	32,765
185.47	16,548	24,326	185.99	16,548	32,931
185.48	16,548	24,491	186.00	16,548	33,096
185.49	16,548	24,657	186.01	16,548	33,261
185.50	16,548	24,822	186.02	16,548	33,427
185.51	16,548	24,987	186.03	16,548	33,592
185.52	16,548	25,153	186.04	16,548	33,758
185.53	16,548	25,318	186.05	16,548	33,923
185.54	16,548	25,484	186.06	16,548	34,089
185.55	16,548	25,649	186.07	16,548	34,254

Stage-Area-Storage for Pond B-51: Basin #51 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
186.08	16,548	34,420	186.60	16,548	43,025
186.09	16,548	34,585	186.61	16,548	43,190
186.10	16,548	34,751	186.62	16,548	43,356
186.11	16,548	34,916	186.63	16,548	43,521
186.12	16,548	35,082	186.64	16,548	43,687
186.13	16,548	35,247	186.65	16,548	43,852
186.14	16,548	35,413	186.66	16,548	44,018
186.15	16,548	35,578	186.67	16,548	44,183
186.16	16,548	35,744	186.68	16,548	44,349
186.17	16,548	35,909	186.69	16,548	44,514
186.18	16,548	36,075	186.70	16,548	44,680
186.19	16,548	36,240	186.71	16,548	44,845
186.20	16,548	36,406	186.72	16,548	45,011
186.21	16,548	36,571	186.73	16,548	45,176
186.22	16,548	36,737	186.74	16,548	45,342
186.23	16,548	36,902	186.75	16,548	45,507
186.24	16,548	37,068	186.76	16,548	45,672
186.25	16,548	37,233	186.77	16,548	45,838
186.26	16,548	37,398	186.78	16,548	46,003
186.27	16,548	37,564	186.79	16,548	46,169
186.28	16,548	37,729	186.80	16,548	46,334
186.29	16,548	37,895	186.81	16,548	46,500
186.30	16,548	38,060	186.82	16,548	46,665
186.31	16,548	38,226	186.83	16,548	46,831
186.32	16,548	38,391	186.84	16,548	46,996
186.33	16,548	38,557	186.85	16,548	47,162
186.34	16,548	38,722	186.86	16,548	47,327
186.35	16,548	38,888	186.87	16,548	47,493
186.36	16,548	39,053	186.88	16,548	47,658
186.37	16,548	39,219	186.89	16,548	47,824
186.38	16,548	39,384	186.90	16,548	47,989
186.39	16,548	39,550	186.91	16,548	48,155
186.40	16,548	39,715	186.92	16,548	48,320
186.41	16,548	39,881	186.93	16,548	48,486
186.42	16,548	40,046	186.94	16,548	48,651
186.43	16,548	40,212	186.95	16,548	48,817
186.44	16,548	40,377	186.96	16,548	48,982
186.45	16,548	40,543	186.97	16,548	49,148
186.46	16,548	40,708	186.98	16,548	49,313
186.47	16,548	40,874	186.99	16,548	49,479
186.48	16,548	41,039	187.00	16,548	49,644
186.49	16,548	41,205	187.01	16,548	49,809
186.50	16,548	41,370	187.02	16,548	49,975
186.51	16,548	41,535	187.03	16,548	50,140
186.52	16,548	41,701	187.04	16,548	50,306
186.53	16,548	41,866	187.05	16,548	50,471
186.54	16,548	42,032	187.06	16,548	50,637
186.55	16,548	42,197	187.07	16,548	50,802
186.56	16,548	42,363	187.08	16,548	50,968
186.57	16,548	42,528	187.09	16,548	51,133
186.58	16,548	42,694	187.10	16,548	51,299
186.59	16,548	42,859	187.11	16,548	51,464

Stage-Area-Storage for Pond B-51: Basin #51 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
187.12	16,548	51,630
187.13	16,548	51,795
187.14	16,548	51,961
187.15	16,548	52,126
187.16	16,548	52,292
187.17	16,548	52,457
187.18	16,548	52,623
187.19	16,548	52,788
187.20	16,548	52,954
187.21	16,548	53,119
187.22	16,548	53,285
187.23	16,548	53,450
187.24	16,548	53,616
187.25	16,548	53,781
187.26	16,548	53,946
187.27	16,548	54,112
187.28	16,548	54,277
187.29	16,548	54,443
187.30	16,548	54,608
187.31	16,548	54,774
187.32	16,548	54,939
187.33	16,548	55,105
187.34	16,548	55,270
187.35	16,548	55,436
187.36	16,548	55,601
187.37	16,548	55,767
187.38	16,548	55,932
187.39	16,548	56,098
187.40	16,548	56,263
187.41	16,548	56,429
187.42	16,548	56,594
187.43	16,548	56,760
187.44	16,548	56,925
187.45	16,548	57,091
187.46	16,548	57,256
187.47	16,548	57,422
187.48	16,548	57,587
187.49	16,548	57,753
187.50	16,548	57,918
187.51	16,548	58,083
187.52	16,548	58,249
187.53	16,548	58,414
187.54	16,548	58,580
187.55	16,548	58,745
187.56	16,548	58,911
187.57	16,548	59,076
187.58	16,548	59,242
187.59	16,548	59,407
187.60	16,548	59,573
187.61	16,548	59,738
187.62	16,548	59,904
187.63	16,548	60,069
187.64	16,548	60,235
187.65	16,548	60,400
187.66	16,548	60,566
187.67	16,548	60,731
187.68	16,548	60,897
187.69	16,548	61,062
187.70	16,548	61,228
187.71	16,548	61,393
187.72	16,548	61,559
187.73	16,548	61,724
187.74	16,548	61,890
187.75	16,548	62,055
187.76	16,548	62,220
187.77	16,548	62,386
187.78	16,548	62,551
187.79	16,548	62,717
187.80	16,548	62,882
187.81	16,548	63,048
187.82	16,548	63,213
187.83	16,548	63,379
187.84	16,548	63,544
187.85	16,548	63,710
187.86	16,548	63,875
187.87	16,548	64,041
187.88	16,548	64,206
187.89	16,548	64,372
187.90	16,548	64,537
187.91	16,548	64,703
187.92	16,548	64,868
187.93	16,548	65,034
187.94	16,548	65,199
187.95	16,548	65,365
187.96	16,548	65,530
187.97	16,548	65,696
187.98	16,548	65,861
187.99	16,548	66,027
188.00	16,548	66,192
188.01	16,548	66,357
188.02	16,548	66,523
188.03	16,548	66,688
188.04	16,548	66,854
188.05	16,548	67,019
188.06	16,548	67,185
188.07	16,548	67,350
188.08	16,548	67,516
188.09	16,548	67,681
188.10	16,548	67,847
188.11	16,548	68,012
188.12	16,548	68,178
188.13	16,548	68,343
188.14	16,548	68,509
188.15	16,548	68,674

Stage-Area-Storage for Pond B-51: Basin #51 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
188.16	16,548	68,840	188.68	16,548	77,445
188.17	16,548	69,005	188.69	16,548	77,610
188.18	16,548	69,171	188.70	16,548	77,776
188.19	16,548	69,336	188.71	16,548	77,941
188.20	16,548	69,502	188.72	16,548	78,107
188.21	16,548	69,667	188.73	16,548	78,272
188.22	16,548	69,833	188.74	16,548	78,438
188.23	16,548	69,998	188.75	16,548	78,603
188.24	16,548	70,164	188.76	16,548	78,768
188.25	16,548	70,329	188.77	16,548	78,934
188.26	16,548	70,494	188.78	16,548	79,099
188.27	16,548	70,660	188.79	16,548	79,265
188.28	16,548	70,825	188.80	16,548	79,430
188.29	16,548	70,991	188.81	16,548	79,596
188.30	16,548	71,156	188.82	16,548	79,761
188.31	16,548	71,322	188.83	16,548	79,927
188.32	16,548	71,487	188.84	16,548	80,092
188.33	16,548	71,653	188.85	16,548	80,258
188.34	16,548	71,818	188.86	16,548	80,423
188.35	16,548	71,984	188.87	16,548	80,589
188.36	16,548	72,149	188.88	16,548	80,754
188.37	16,548	72,315	188.89	16,548	80,920
188.38	16,548	72,480	188.90	16,548	81,085
188.39	16,548	72,646	188.91	16,548	81,251
188.40	16,548	72,811	188.92	16,548	81,416
188.41	16,548	72,977	188.93	16,548	81,582
188.42	16,548	73,142	188.94	16,548	81,747
188.43	16,548	73,308	188.95	16,548	81,913
188.44	16,548	73,473	188.96	16,548	82,078
188.45	16,548	73,639	188.97	16,548	82,244
188.46	16,548	73,804	188.98	16,548	82,409
188.47	16,548	73,970	188.99	16,548	82,575
188.48	16,548	74,135	189.00	16,548	82,740
188.49	16,548	74,301	189.01	16,548	82,905
188.50	16,548	74,466	189.02	16,548	83,071
188.51	16,548	74,631	189.03	16,548	83,236
188.52	16,548	74,797	189.04	16,548	83,402
188.53	16,548	74,962	189.05	16,548	83,567
188.54	16,548	75,128	189.06	16,548	83,733
188.55	16,548	75,293	189.07	16,548	83,898
188.56	16,548	75,459	189.08	16,548	84,064
188.57	16,548	75,624	189.09	16,548	84,229
188.58	16,548	75,790	189.10	16,548	84,395
188.59	16,548	75,955	189.11	16,548	84,560
188.60	16,548	76,121	189.12	16,548	84,726
188.61	16,548	76,286	189.13	16,548	84,891
188.62	16,548	76,452	189.14	16,548	85,057
188.63	16,548	76,617	189.15	16,548	85,222
188.64	16,548	76,783	189.16	16,548	85,388
188.65	16,548	76,948	189.17	16,548	85,553
188.66	16,548	77,114	189.18	16,548	85,719
188.67	16,548	77,279	189.19	16,548	85,884

Stage-Area-Storage for Pond B-51: Basin #51 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
189.20	16,548	86,050
189.21	16,548	86,215
189.22	16,548	86,381
189.23	16,548	86,546
189.24	16,548	86,712
189.25	16,548	86,877
189.26	16,548	87,042
189.27	16,548	87,208
189.28	16,548	87,373
189.29	16,548	87,539
189.30	16,548	87,704
189.31	16,548	87,870
189.32	16,548	88,035
189.33	16,548	88,201
189.34	16,548	88,366
189.35	16,548	88,532
189.36	16,548	88,697
189.37	16,548	88,863
189.38	16,548	89,028
189.39	16,548	89,194
189.40	16,548	89,359
189.41	16,548	89,525
189.42	16,548	89,690
189.43	16,548	89,856
189.44	16,548	90,021
189.45	16,548	90,187
189.46	16,548	90,352
189.47	16,548	90,518
189.48	16,548	90,683
189.49	16,548	90,849
189.50	16,548	91,014
189.51	16,548	91,179
189.52	16,548	91,345
189.53	16,548	91,510
189.54	16,548	91,676
189.55	16,548	91,841
189.56	16,548	92,007
189.57	16,548	92,172
189.58	16,548	92,338
189.59	16,548	92,503
189.60	16,548	92,669
189.61	16,548	92,834
189.62	16,548	93,000
189.63	16,548	93,165
189.64	16,548	93,331
189.65	16,548	93,496
189.66	16,548	93,662
189.67	16,548	93,827
189.68	16,548	93,993
189.69	16,548	94,158
189.70	16,548	94,324
189.71	16,548	94,489
189.72	16,548	94,655
189.73	16,548	94,820
189.74	16,548	94,986
189.75	16,548	95,151
189.76	16,548	95,316
189.77	16,548	95,482
189.78	16,548	95,647
189.79	16,548	95,813
189.80	16,548	95,978
189.81	16,548	96,144
189.82	16,548	96,309
189.83	16,548	96,475
189.84	16,548	96,640
189.85	16,548	96,806
189.86	16,548	96,971
189.87	16,548	97,137
189.88	16,548	97,302
189.89	16,548	97,468
189.90	16,548	97,633
189.91	16,548	97,799
189.92	16,548	97,964
189.93	16,548	98,130
189.94	16,548	98,295
189.95	16,548	98,461
189.96	16,548	98,626
189.97	16,548	98,792
189.98	16,548	98,957
189.99	16,548	99,123
190.00	16,548	**99,288**

Summary for Pond B-52: Basin #52

Inflow Area = 1.423 ac, 34.43% Impervious, Inflow Depth = 0.40" for WQ Storm event
Inflow = 1.52 cfs @ 1.03 hrs, Volume= 0.048 af
Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Atten= 100%, Lag= 0.0 min
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Pond B-51 : Basin #51

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 195.08' @ 2.75 hrs Surf.Area= 1,571 sf Storage= 2,090 cf

Plug-Flow detention time= (not calculated: initial storage exceeds outflow)
Center-of-Mass det. time= (not calculated: no outflow)

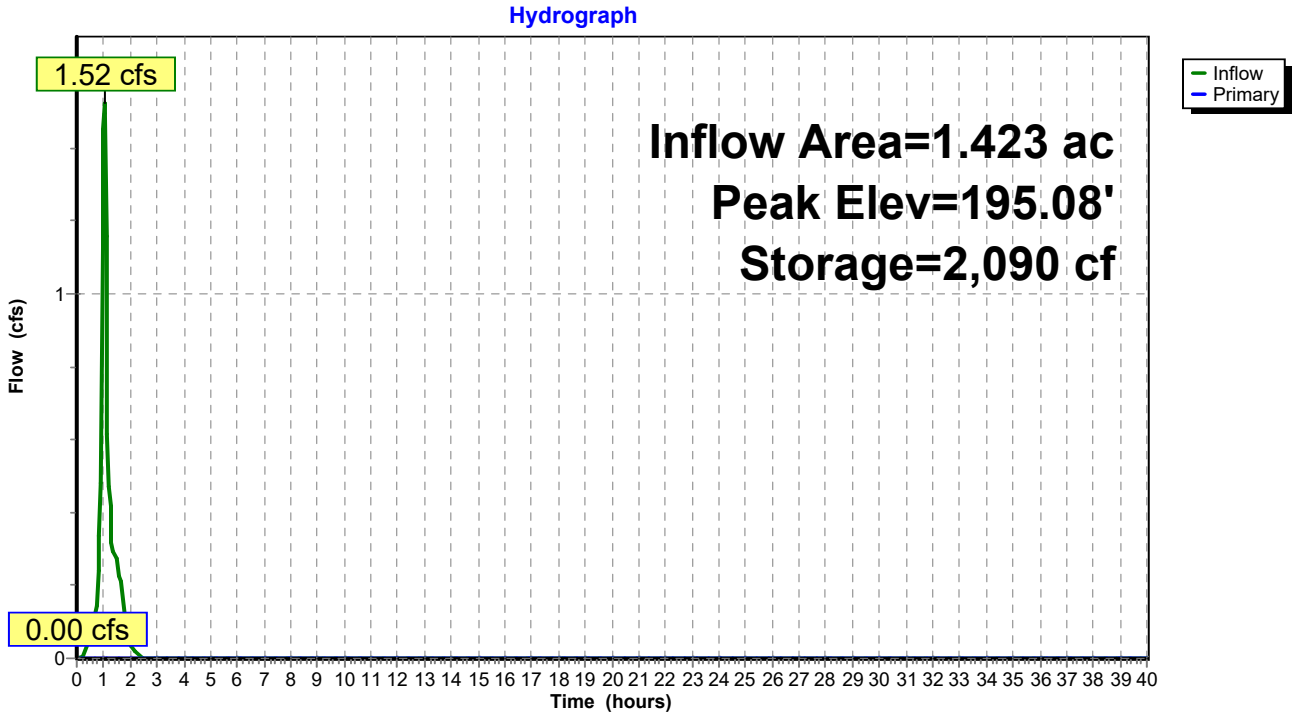
Volume	Invert	Avail.Storage	Storage Description
#1	193.00'	7,751 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
193.00	474	0	0
194.00	970	722	722
195.00	1,523	1,247	1,969
196.00	2,133	1,828	3,797
197.00	2,799	2,466	6,263
197.50	3,154	1,488	7,751

Device	Routing	Invert	Outlet Devices
#1	Primary	192.00'	**15.0" Round Culvert** L= 163.0' Ke= 0.500 Inlet / Outlet Invert= 192.00' / 191.00' S= 0.0061 '/' Cc= 0.900 n= 0.013, Flow Area= 1.23 sf
#2	Device 1	195.08'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	196.35'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	197.25'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=193.00' (Free Discharge)
- **1=Culvert** (Passes 0.00 cfs of 3.15 cfs potential flow)
  - **2=Orifice/Grate** (Controls 0.00 cfs)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

Pond B-52: Basin #52



Hydrograph for Pond B-52: Basin #52

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	193.00	**0.00**
0.10	0.00	0	193.00	0.00
0.20	0.00	0	193.00	0.00
0.30	0.00	0	193.00	0.00
0.40	0.03	4	193.01	0.00
0.50	0.06	19	193.04	0.00
0.60	0.10	49	193.10	0.00
0.70	0.12	90	193.17	0.00
0.80	0.24	149	193.27	0.00
0.90	0.48	274	193.46	0.00
1.00	**1.45**	650	193.92	0.00
1.10	**1.16**	1,153	194.40	0.00
1.20	0.47	1,410	194.60	0.00
1.30	0.32	1,557	194.71	0.00
1.40	0.29	1,665	194.79	0.00
1.50	0.27	1,765	194.86	0.00
1.60	0.22	1,850	194.92	0.00
1.70	0.21	1,928	194.97	0.00
1.80	0.12	1,994	195.02	0.00
1.90	0.10	2,034	195.04	0.00
2.00	0.08	2,066	195.06	0.00
2.10	0.02	2,080	195.07	0.00
2.20	0.01	2,087	195.08	0.00
2.30	0.00	2,089	195.08	0.00
2.40	0.00	2,090	195.08	0.00
2.50	0.00	2,090	195.08	0.00
2.60	0.00	2,090	195.08	0.00
2.70	0.00	**2,090**	**195.08**	0.00
2.80	0.00	**2,090**	**195.08**	0.00
2.90	0.00	2,090	195.08	0.00
3.00	0.00	2,090	195.08	0.00
3.10	0.00	2,090	195.08	0.00
3.20	0.00	2,090	195.08	0.00
3.30	0.00	2,090	195.08	0.00
3.40	0.00	2,090	195.08	0.00
3.50	0.00	2,090	195.08	0.00
3.60	0.00	2,090	195.08	0.00
3.70	0.00	2,090	195.08	0.00
3.80	0.00	2,090	195.08	0.00
3.90	0.00	2,090	195.08	0.00
4.00	0.00	2,090	195.08	0.00
4.10	0.00	2,090	195.08	0.00
4.20	0.00	2,090	195.08	0.00
4.30	0.00	2,090	195.08	0.00
4.40	0.00	2,090	195.08	0.00
4.50	0.00	2,090	195.08	0.00
4.60	0.00	2,090	195.08	0.00
4.70	0.00	2,090	195.08	0.00
4.80	0.00	2,090	195.08	0.00
4.90	0.00	2,090	195.08	0.00
5.00	0.00	2,090	195.08	0.00
5.10	0.00	2,090	195.08	0.00

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	2,090	195.08	0.00
5.30	0.00	2,090	195.08	0.00
5.40	0.00	2,090	195.08	0.00
5.50	0.00	2,090	195.08	0.00
5.60	0.00	2,090	195.08	0.00
5.70	0.00	2,090	195.08	0.00
5.80	0.00	2,090	195.08	0.00
5.90	0.00	2,090	195.08	0.00
6.00	0.00	2,090	195.08	0.00
6.10	0.00	2,090	195.08	0.00
6.20	0.00	2,090	195.08	0.00
6.30	0.00	2,090	195.08	0.00
6.40	0.00	2,090	195.08	0.00
6.50	0.00	2,090	195.08	0.00
6.60	0.00	2,090	195.08	0.00
6.70	0.00	2,090	195.08	0.00
6.80	0.00	2,090	195.08	0.00
6.90	0.00	2,090	195.08	0.00
7.00	0.00	2,090	195.08	0.00
7.10	0.00	2,090	195.08	0.00
7.20	0.00	2,090	195.08	0.00
7.30	0.00	2,090	195.08	0.00
7.40	0.00	2,090	195.08	0.00
7.50	0.00	2,090	195.08	0.00
7.60	0.00	2,090	195.08	0.00
7.70	0.00	2,090	195.08	0.00
7.80	0.00	2,090	195.08	0.00
7.90	0.00	2,090	195.08	0.00
8.00	0.00	2,090	195.08	0.00
8.10	0.00	2,090	195.08	0.00
8.20	0.00	2,090	195.08	0.00
8.30	0.00	2,090	195.08	0.00
8.40	0.00	2,090	195.08	0.00
8.50	0.00	2,090	195.08	0.00
8.60	0.00	2,090	195.08	0.00
8.70	0.00	2,090	195.08	0.00
8.80	0.00	2,090	195.08	0.00
8.90	0.00	2,090	195.08	0.00
9.00	0.00	2,090	195.08	0.00
9.10	0.00	2,090	195.08	0.00
9.20	0.00	2,090	195.08	0.00
9.30	0.00	2,090	195.08	0.00
9.40	0.00	2,090	195.08	0.00
9.50	0.00	2,090	195.08	0.00
9.60	0.00	2,090	195.08	0.00
9.70	0.00	2,090	195.08	0.00
9.80	0.00	2,090	195.08	0.00
9.90	0.00	2,090	195.08	0.00
10.00	0.00	2,090	195.08	0.00
10.10	0.00	2,090	195.08	0.00
10.20	0.00	2,090	195.08	0.00
10.30	0.00	2,090	195.08	0.00

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.00	2,090	195.08	0.00
10.50	0.00	2,090	195.08	0.00
10.60	0.00	2,090	195.08	0.00
10.70	0.00	2,090	195.08	0.00
10.80	0.00	2,090	195.08	0.00
10.90	0.00	2,090	195.08	0.00
11.00	0.00	2,090	195.08	0.00
11.10	0.00	2,090	195.08	0.00
11.20	0.00	2,090	195.08	0.00
11.30	0.00	2,090	195.08	0.00
11.40	0.00	2,090	195.08	0.00
11.50	0.00	2,090	195.08	0.00
11.60	0.00	2,090	195.08	0.00
11.70	0.00	2,090	195.08	0.00
11.80	0.00	2,090	195.08	0.00
11.90	0.00	2,090	195.08	0.00
12.00	0.00	2,090	195.08	0.00
12.10	0.00	2,090	195.08	0.00
12.20	0.00	2,090	195.08	0.00
12.30	0.00	2,090	195.08	0.00
12.40	0.00	2,090	195.08	0.00
12.50	0.00	2,090	195.08	0.00
12.60	0.00	2,090	195.08	0.00
12.70	0.00	2,090	195.08	0.00
12.80	0.00	2,090	195.08	0.00
12.90	0.00	2,090	195.08	0.00
13.00	0.00	2,090	195.08	0.00
13.10	0.00	2,090	195.08	0.00
13.20	0.00	2,090	195.08	0.00
13.30	0.00	2,090	195.08	0.00
13.40	0.00	2,090	195.08	0.00
13.50	0.00	2,090	195.08	0.00
13.60	0.00	2,090	195.08	0.00
13.70	0.00	2,090	195.08	0.00
13.80	0.00	2,090	195.08	0.00
13.90	0.00	2,090	195.08	0.00
14.00	0.00	2,090	195.08	0.00
14.10	0.00	2,090	195.08	0.00
14.20	0.00	2,090	195.08	0.00
14.30	0.00	2,090	195.08	0.00
14.40	0.00	2,090	195.08	0.00
14.50	0.00	2,090	195.08	0.00
14.60	0.00	2,090	195.08	0.00
14.70	0.00	2,090	195.08	0.00
14.80	0.00	2,090	195.08	0.00
14.90	0.00	2,090	195.08	0.00
15.00	0.00	2,090	195.08	0.00
15.10	0.00	2,090	195.08	0.00
15.20	0.00	2,090	195.08	0.00
15.30	0.00	2,090	195.08	0.00
15.40	0.00	2,090	195.08	0.00
15.50	0.00	2,090	195.08	0.00

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.00	2,090	195.08	0.00
15.70	0.00	2,090	195.08	0.00
15.80	0.00	2,090	195.08	0.00
15.90	0.00	2,090	195.08	0.00
16.00	0.00	2,090	195.08	0.00
16.10	0.00	2,090	195.08	0.00
16.20	0.00	2,090	195.08	0.00
16.30	0.00	2,090	195.08	0.00
16.40	0.00	2,090	195.08	0.00
16.50	0.00	2,090	195.08	0.00
16.60	0.00	2,090	195.08	0.00
16.70	0.00	2,090	195.08	0.00
16.80	0.00	2,090	195.08	0.00
16.90	0.00	2,090	195.08	0.00
17.00	0.00	2,090	195.08	0.00
17.10	0.00	2,090	195.08	0.00
17.20	0.00	2,090	195.08	0.00
17.30	0.00	2,090	195.08	0.00
17.40	0.00	2,090	195.08	0.00
17.50	0.00	2,090	195.08	0.00
17.60	0.00	2,090	195.08	0.00
17.70	0.00	2,090	195.08	0.00
17.80	0.00	2,090	195.08	0.00
17.90	0.00	2,090	195.08	0.00
18.00	0.00	2,090	195.08	0.00
18.10	0.00	2,090	195.08	0.00
18.20	0.00	2,090	195.08	0.00
18.30	0.00	2,090	195.08	0.00
18.40	0.00	2,090	195.08	0.00
18.50	0.00	2,090	195.08	0.00
18.60	0.00	2,090	195.08	0.00
18.70	0.00	2,090	195.08	0.00
18.80	0.00	2,090	195.08	0.00
18.90	0.00	2,090	195.08	0.00
19.00	0.00	2,090	195.08	0.00
19.10	0.00	2,090	195.08	0.00
19.20	0.00	2,090	195.08	0.00
19.30	0.00	2,090	195.08	0.00
19.40	0.00	2,090	195.08	0.00
19.50	0.00	2,090	195.08	0.00
19.60	0.00	2,090	195.08	0.00
19.70	0.00	2,090	195.08	0.00
19.80	0.00	2,090	195.08	0.00
19.90	0.00	2,090	195.08	0.00
20.00	0.00	2,090	195.08	0.00
20.10	0.00	2,090	195.08	0.00
20.20	0.00	2,090	195.08	0.00
20.30	0.00	2,090	195.08	0.00
20.40	0.00	2,090	195.08	0.00
20.50	0.00	2,090	195.08	0.00
20.60	0.00	2,090	195.08	0.00
20.70	0.00	2,090	195.08	0.00

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.00	2,090	195.08	0.00
20.90	0.00	2,090	195.08	0.00
21.00	0.00	2,090	195.08	0.00
21.10	0.00	2,090	195.08	0.00
21.20	0.00	2,090	195.08	0.00
21.30	0.00	2,090	195.08	0.00
21.40	0.00	2,090	195.08	0.00
21.50	0.00	2,090	195.08	0.00
21.60	0.00	2,090	195.08	0.00
21.70	0.00	2,090	195.08	0.00
21.80	0.00	2,090	195.08	0.00
21.90	0.00	2,090	195.08	0.00
22.00	0.00	2,090	195.08	0.00
22.10	0.00	2,090	195.08	0.00
22.20	0.00	2,090	195.08	0.00
22.30	0.00	2,090	195.08	0.00
22.40	0.00	2,090	195.08	0.00
22.50	0.00	2,090	195.08	0.00
22.60	0.00	2,090	195.08	0.00
22.70	0.00	2,090	195.08	0.00
22.80	0.00	2,090	195.08	0.00
22.90	0.00	2,090	195.08	0.00
23.00	0.00	2,090	195.08	0.00
23.10	0.00	2,090	195.08	0.00
23.20	0.00	2,090	195.08	0.00
23.30	0.00	2,090	195.08	0.00
23.40	0.00	2,090	195.08	0.00
23.50	0.00	2,090	195.08	0.00
23.60	0.00	2,090	195.08	0.00
23.70	0.00	2,090	195.08	0.00
23.80	0.00	2,090	195.08	0.00
23.90	0.00	2,090	195.08	0.00
24.00	0.00	2,090	195.08	0.00
24.10	0.00	2,090	195.08	0.00
24.20	0.00	2,090	195.08	0.00
24.30	0.00	2,090	195.08	0.00
24.40	0.00	2,090	195.08	0.00
24.50	0.00	2,090	195.08	0.00
24.60	0.00	2,090	195.08	0.00
24.70	0.00	2,090	195.08	0.00
24.80	0.00	2,090	195.08	0.00
24.90	0.00	2,090	195.08	0.00
25.00	0.00	2,090	195.08	0.00
25.10	0.00	2,090	195.08	0.00
25.20	0.00	2,090	195.08	0.00
25.30	0.00	2,090	195.08	0.00
25.40	0.00	2,090	195.08	0.00
25.50	0.00	2,090	195.08	0.00
25.60	0.00	2,090	195.08	0.00
25.70	0.00	2,090	195.08	0.00
25.80	0.00	2,090	195.08	0.00
25.90	0.00	2,090	195.08	0.00

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	2,090	195.08	0.00
26.10	0.00	2,090	195.08	0.00
26.20	0.00	2,090	195.08	0.00
26.30	0.00	2,090	195.08	0.00
26.40	0.00	2,090	195.08	0.00
26.50	0.00	2,090	195.08	0.00
26.60	0.00	2,090	195.08	0.00
26.70	0.00	2,090	195.08	0.00
26.80	0.00	2,090	195.08	0.00
26.90	0.00	2,090	195.08	0.00
27.00	0.00	2,090	195.08	0.00
27.10	0.00	2,090	195.08	0.00
27.20	0.00	2,090	195.08	0.00
27.30	0.00	2,090	195.08	0.00
27.40	0.00	2,090	195.08	0.00
27.50	0.00	2,090	195.08	0.00
27.60	0.00	2,090	195.08	0.00
27.70	0.00	2,090	195.08	0.00
27.80	0.00	2,090	195.08	0.00
27.90	0.00	2,090	195.08	0.00
28.00	0.00	2,090	195.08	0.00
28.10	0.00	2,090	195.08	0.00
28.20	0.00	2,090	195.08	0.00
28.30	0.00	2,090	195.08	0.00
28.40	0.00	2,090	195.08	0.00
28.50	0.00	2,090	195.08	0.00
28.60	0.00	2,090	195.08	0.00
28.70	0.00	2,090	195.08	0.00
28.80	0.00	2,090	195.08	0.00
28.90	0.00	2,090	195.08	0.00
29.00	0.00	2,090	195.08	0.00
29.10	0.00	2,090	195.08	0.00
29.20	0.00	2,090	195.08	0.00
29.30	0.00	2,090	195.08	0.00
29.40	0.00	2,090	195.08	0.00
29.50	0.00	2,090	195.08	0.00
29.60	0.00	2,090	195.08	0.00
29.70	0.00	2,090	195.08	0.00
29.80	0.00	2,090	195.08	0.00
29.90	0.00	2,090	195.08	0.00
30.00	0.00	2,090	195.08	0.00
30.10	0.00	2,090	195.08	0.00
30.20	0.00	2,090	195.08	0.00
30.30	0.00	2,090	195.08	0.00
30.40	0.00	2,090	195.08	0.00
30.50	0.00	2,090	195.08	0.00
30.60	0.00	2,090	195.08	0.00
30.70	0.00	2,090	195.08	0.00
30.80	0.00	2,090	195.08	0.00
30.90	0.00	2,090	195.08	0.00
31.00	0.00	2,090	195.08	0.00
31.10	0.00	2,090	195.08	0.00

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	2,090	195.08	0.00
31.30	0.00	2,090	195.08	0.00
31.40	0.00	2,090	195.08	0.00
31.50	0.00	2,090	195.08	0.00
31.60	0.00	2,090	195.08	0.00
31.70	0.00	2,090	195.08	0.00
31.80	0.00	2,090	195.08	0.00
31.90	0.00	2,090	195.08	0.00
32.00	0.00	2,090	195.08	0.00
32.10	0.00	2,090	195.08	0.00
32.20	0.00	2,090	195.08	0.00
32.30	0.00	2,090	195.08	0.00
32.40	0.00	2,090	195.08	0.00
32.50	0.00	2,090	195.08	0.00
32.60	0.00	2,090	195.08	0.00
32.70	0.00	2,090	195.08	0.00
32.80	0.00	2,090	195.08	0.00
32.90	0.00	2,090	195.08	0.00
33.00	0.00	2,090	195.08	0.00
33.10	0.00	2,090	195.08	0.00
33.20	0.00	2,090	195.08	0.00
33.30	0.00	2,090	195.08	0.00
33.40	0.00	2,090	195.08	0.00
33.50	0.00	2,090	195.08	0.00
33.60	0.00	2,090	195.08	0.00
33.70	0.00	2,090	195.08	0.00
33.80	0.00	2,090	195.08	0.00
33.90	0.00	2,090	195.08	0.00
34.00	0.00	2,090	195.08	0.00
34.10	0.00	2,090	195.08	0.00
34.20	0.00	2,090	195.08	0.00
34.30	0.00	2,090	195.08	0.00
34.40	0.00	2,090	195.08	0.00
34.50	0.00	2,090	195.08	0.00
34.60	0.00	2,090	195.08	0.00
34.70	0.00	2,090	195.08	0.00
34.80	0.00	2,090	195.08	0.00
34.90	0.00	2,090	195.08	0.00
35.00	0.00	2,090	195.08	0.00
35.10	0.00	2,090	195.08	0.00
35.20	0.00	2,090	195.08	0.00
35.30	0.00	2,090	195.08	0.00
35.40	0.00	2,090	195.08	0.00
35.50	0.00	2,090	195.08	0.00
35.60	0.00	2,090	195.08	0.00
35.70	0.00	2,090	195.08	0.00
35.80	0.00	2,090	195.08	0.00
35.90	0.00	2,090	195.08	0.00
36.00	0.00	2,090	195.08	0.00
36.10	0.00	2,090	195.08	0.00
36.20	0.00	2,090	195.08	0.00
36.30	0.00	2,090	195.08	0.00

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	2,090	195.08	0.00
36.50	0.00	2,090	195.08	0.00
36.60	0.00	2,090	195.08	0.00
36.70	0.00	2,090	195.08	0.00
36.80	0.00	2,090	195.08	0.00
36.90	0.00	2,090	195.08	0.00
37.00	0.00	2,090	195.08	0.00
37.10	0.00	2,090	195.08	0.00
37.20	0.00	2,090	195.08	0.00
37.30	0.00	2,090	195.08	0.00
37.40	0.00	2,090	195.08	0.00
37.50	0.00	2,090	195.08	0.00
37.60	0.00	2,090	195.08	0.00
37.70	0.00	2,090	195.08	0.00
37.80	0.00	2,090	195.08	0.00
37.90	0.00	2,090	195.08	0.00
38.00	0.00	2,090	195.08	0.00
38.10	0.00	2,090	195.08	0.00
38.20	0.00	2,090	195.08	0.00
38.30	0.00	2,090	195.08	0.00
38.40	0.00	2,090	195.08	0.00
38.50	0.00	2,090	195.08	0.00
38.60	0.00	2,090	195.08	0.00
38.70	0.00	2,090	195.08	0.00
38.80	0.00	2,090	195.08	0.00
38.90	0.00	2,090	195.08	0.00
39.00	0.00	2,090	195.08	0.00
39.10	0.00	2,090	195.08	0.00
39.20	0.00	2,090	195.08	0.00
39.30	0.00	2,090	195.08	0.00
39.40	0.00	2,090	195.08	0.00
39.50	0.00	2,090	195.08	0.00
39.60	0.00	2,090	195.08	0.00
39.70	0.00	2,090	195.08	0.00
39.80	0.00	2,090	195.08	0.00
39.90	0.00	2,090	195.08	0.00
40.00	0.00	2,090	195.08	0.00

Stage-Discharge for Pond B-52: Basin #52

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
193.00	0.00	193.52	0.00	194.04	0.00	194.56	0.00
193.01	0.00	193.53	0.00	194.05	0.00	194.57	0.00
193.02	0.00	193.54	0.00	194.06	0.00	194.58	0.00
193.03	0.00	193.55	0.00	194.07	0.00	194.59	0.00
193.04	0.00	193.56	0.00	194.08	0.00	194.60	0.00
193.05	0.00	193.57	0.00	194.09	0.00	194.61	0.00
193.06	0.00	193.58	0.00	194.10	0.00	194.62	0.00
193.07	0.00	193.59	0.00	194.11	0.00	194.63	0.00
193.08	0.00	193.60	0.00	194.12	0.00	194.64	0.00
193.09	0.00	193.61	0.00	194.13	0.00	194.65	0.00
193.10	0.00	193.62	0.00	194.14	0.00	194.66	0.00
193.11	0.00	193.63	0.00	194.15	0.00	194.67	0.00
193.12	0.00	193.64	0.00	194.16	0.00	194.68	0.00
193.13	0.00	193.65	0.00	194.17	0.00	194.69	0.00
193.14	0.00	193.66	0.00	194.18	0.00	194.70	0.00
193.15	0.00	193.67	0.00	194.19	0.00	194.71	0.00
193.16	0.00	193.68	0.00	194.20	0.00	194.72	0.00
193.17	0.00	193.69	0.00	194.21	0.00	194.73	0.00
193.18	0.00	193.70	0.00	194.22	0.00	194.74	0.00
193.19	0.00	193.71	0.00	194.23	0.00	194.75	0.00
193.20	0.00	193.72	0.00	194.24	0.00	194.76	0.00
193.21	0.00	193.73	0.00	194.25	0.00	194.77	0.00
193.22	0.00	193.74	0.00	194.26	0.00	194.78	0.00
193.23	0.00	193.75	0.00	194.27	0.00	194.79	0.00
193.24	0.00	193.76	0.00	194.28	0.00	194.80	0.00
193.25	0.00	193.77	0.00	194.29	0.00	194.81	0.00
193.26	0.00	193.78	0.00	194.30	0.00	194.82	0.00
193.27	0.00	193.79	0.00	194.31	0.00	194.83	0.00
193.28	0.00	193.80	0.00	194.32	0.00	194.84	0.00
193.29	0.00	193.81	0.00	194.33	0.00	194.85	0.00
193.30	0.00	193.82	0.00	194.34	0.00	194.86	0.00
193.31	0.00	193.83	0.00	194.35	0.00	194.87	0.00
193.32	0.00	193.84	0.00	194.36	0.00	194.88	0.00
193.33	0.00	193.85	0.00	194.37	0.00	194.89	0.00
193.34	0.00	193.86	0.00	194.38	0.00	194.90	0.00
193.35	0.00	193.87	0.00	194.39	0.00	194.91	0.00
193.36	0.00	193.88	0.00	194.40	0.00	194.92	0.00
193.37	0.00	193.89	0.00	194.41	0.00	194.93	0.00
193.38	0.00	193.90	0.00	194.42	0.00	194.94	0.00
193.39	0.00	193.91	0.00	194.43	0.00	194.95	0.00
193.40	0.00	193.92	0.00	194.44	0.00	194.96	0.00
193.41	0.00	193.93	0.00	194.45	0.00	194.97	0.00
193.42	0.00	193.94	0.00	194.46	0.00	194.98	0.00
193.43	0.00	193.95	0.00	194.47	0.00	194.99	0.00
193.44	0.00	193.96	0.00	194.48	0.00	195.00	0.00
193.45	0.00	193.97	0.00	194.49	0.00	195.01	0.00
193.46	0.00	193.98	0.00	194.50	0.00	195.02	0.00
193.47	0.00	193.99	0.00	194.51	0.00	195.03	0.00
193.48	0.00	194.00	0.00	194.52	0.00	195.04	0.00
193.49	0.00	194.01	0.00	194.53	0.00	195.05	0.00
193.50	0.00	194.02	0.00	194.54	0.00	195.06	0.00
193.51	0.00	194.03	0.00	194.55	0.00	195.07	0.00

Stage-Discharge for Pond B-52: Basin #52 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
195.08	0.00	195.60	0.11	196.12	0.16	196.64	2.21
195.09	0.00	195.61	0.11	196.13	0.16	196.65	2.32
195.10	0.00	195.62	0.11	196.14	0.16	196.66	2.42
195.11	0.00	195.63	0.11	196.15	0.16	196.67	2.53
195.12	0.00	195.64	0.11	196.16	0.16	196.68	2.64
195.13	0.00	195.65	0.11	196.17	0.16	196.69	2.75
195.14	0.01	195.66	0.11	196.18	0.16	196.70	2.86
195.15	0.01	195.67	0.11	196.19	0.16	196.71	2.98
195.16	0.01	195.68	0.12	196.20	0.17	196.72	3.09
195.17	0.01	195.69	0.12	196.21	0.17	196.73	3.21
195.18	0.02	195.70	0.12	196.22	0.17	196.74	3.33
195.19	0.02	195.71	0.12	196.23	0.17	196.75	3.45
195.20	0.02	195.72	0.12	196.24	0.17	196.76	3.57
195.21	0.03	195.73	0.12	196.25	0.17	196.77	3.69
195.22	0.03	195.74	0.12	196.26	0.17	196.78	3.82
195.23	0.03	195.75	0.12	196.27	0.17	196.79	3.94
195.24	0.04	195.76	0.12	196.28	0.17	196.80	4.07
195.25	0.04	195.77	0.13	196.29	0.17	196.81	4.20
195.26	0.05	195.78	0.13	196.30	0.17	196.82	4.33
195.27	0.05	195.79	0.13	196.31	0.17	196.83	4.46
195.28	0.05	195.80	0.13	196.32	0.17	196.84	4.59
195.29	0.05	195.81	0.13	196.33	0.18	196.85	4.72
195.30	0.06	195.82	0.13	196.34	0.18	196.86	4.85
195.31	0.06	195.83	0.13	196.35	0.18	196.87	4.99
195.32	0.06	195.84	0.13	196.36	0.19	196.88	5.13
195.33	0.06	195.85	0.13	196.37	0.22	196.89	5.26
195.34	0.06	195.86	0.13	196.38	0.25	196.90	5.40
195.35	0.07	195.87	0.14	196.39	0.28	196.91	5.54
195.36	0.07	195.88	0.14	196.40	0.33	196.92	5.68
195.37	0.07	195.89	0.14	196.41	0.37	196.93	5.83
195.38	0.07	195.90	0.14	196.42	0.42	196.94	5.97
195.39	0.07	195.91	0.14	196.43	0.48	196.95	6.11
195.40	0.08	195.92	0.14	196.44	0.54	196.96	6.26
195.41	0.08	195.93	0.14	196.45	0.60	196.97	6.41
195.42	0.08	195.94	0.14	196.46	0.66	196.98	6.55
195.43	0.08	195.95	0.14	196.47	0.73	196.99	6.70
195.44	0.08	195.96	0.14	196.48	0.80	197.00	6.85
195.45	0.08	195.97	0.15	196.49	0.87	197.01	7.00
195.46	0.09	195.98	0.15	196.50	0.94	197.02	7.16
195.47	0.09	195.99	0.15	196.51	1.02	197.03	7.31
195.48	0.09	196.00	0.15	196.52	1.10	197.04	7.46
195.49	0.09	196.01	0.15	196.53	1.18	197.05	7.62
195.50	0.09	196.02	0.15	196.54	1.26	197.06	7.77
195.51	0.09	196.03	0.15	196.55	1.35	197.07	7.93
195.52	0.10	196.04	0.15	196.56	1.44	197.08	8.09
195.53	0.10	196.05	0.15	196.57	1.53	197.09	8.24
195.54	0.10	196.06	0.15	196.58	1.62	197.10	8.40
195.55	0.10	196.07	0.15	196.59	1.71	197.11	8.56
195.56	0.10	196.08	0.16	196.60	1.81	197.12	8.73
195.57	0.10	196.09	0.16	196.61	1.91	197.13	8.89
195.58	0.10	196.10	0.16	196.62	2.01	197.14	9.05
195.59	0.10	196.11	0.16	196.63	2.11	197.15	9.22

Stage-Discharge for Pond B-52: Basin #52 (continued)

Elevation (feet)	Primary (cfs)
197.16	9.38
197.17	9.49
197.18	9.50
197.19	9.51
197.20	9.52
197.21	9.53
197.22	9.54
197.23	9.55
197.24	9.55
197.25	9.56
197.26	9.69
197.27	9.91
197.28	10.20
197.29	10.54
197.30	10.92
197.31	11.35
197.32	11.81
197.33	12.30
197.34	12.82
197.35	13.38
197.36	13.96
197.37	14.57
197.38	15.21
197.39	15.87
197.40	16.55
197.41	17.26
197.42	17.99
197.43	18.75
197.44	19.52
197.45	20.32
197.46	21.17
197.47	22.06
197.48	22.96
197.49	23.90
197.50	**24.85**

Stage-Area-Storage for Pond B-52: Basin #52

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
193.00	474	0	193.52	732	314
193.01	479	5	193.53	737	321
193.02	484	10	193.54	742	328
193.03	489	14	193.55	747	336
193.04	494	19	193.56	752	343
193.05	499	24	193.57	757	351
193.06	504	29	193.58	762	358
193.07	509	34	193.59	767	366
193.08	514	40	193.60	772	374
193.09	519	45	193.61	777	381
193.10	524	50	193.62	782	389
193.11	529	55	193.63	786	397
193.12	534	60	193.64	791	405
193.13	538	66	193.65	796	413
193.14	543	71	193.66	801	421
193.15	548	77	193.67	806	429
193.16	553	82	193.68	811	437
193.17	558	88	193.69	816	445
193.18	563	93	193.70	821	453
193.19	568	99	193.71	826	462
193.20	573	105	193.72	831	470
193.21	578	110	193.73	836	478
193.22	583	116	193.74	841	487
193.23	588	122	193.75	846	495
193.24	593	128	193.76	851	503
193.25	598	134	193.77	856	512
193.26	603	140	193.78	861	521
193.27	608	146	193.79	866	529
193.28	613	152	193.80	871	538
193.29	618	158	193.81	876	547
193.30	623	165	193.82	881	555
193.31	628	171	193.83	886	564
193.32	633	177	193.84	891	573
193.33	638	183	193.85	896	582
193.34	643	190	193.86	901	591
193.35	648	196	193.87	906	600
193.36	653	203	193.88	910	609
193.37	658	209	193.89	915	618
193.38	662	216	193.90	920	627
193.39	667	223	193.91	925	637
193.40	672	229	193.92	930	646
193.41	677	236	193.93	935	655
193.42	682	243	193.94	940	665
193.43	687	250	193.95	945	674
193.44	692	257	193.96	950	684
193.45	697	264	193.97	955	693
193.46	702	271	193.98	960	703
193.47	707	278	193.99	965	712
193.48	712	285	194.00	970	722
193.49	717	292	194.01	976	732
193.50	722	299	194.02	981	742
193.51	727	306	194.03	987	751

Stage-Area-Storage for Pond B-52: Basin #52 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
194.04	992	761	194.56	1,280	1,352
194.05	998	771	194.57	1,285	1,365
194.06	1,003	781	194.58	1,291	1,378
194.07	1,009	791	194.59	1,296	1,391
194.08	1,014	801	194.60	1,302	1,404
194.09	1,020	812	194.61	1,307	1,417
194.10	1,025	822	194.62	1,313	1,430
194.11	1,031	832	194.63	1,318	1,443
194.12	1,036	842	194.64	1,324	1,456
194.13	1,042	853	194.65	1,329	1,469
194.14	1,047	863	194.66	1,335	1,483
194.15	1,053	874	194.67	1,341	1,496
194.16	1,058	884	194.68	1,346	1,509
194.17	1,064	895	194.69	1,352	1,523
194.18	1,070	906	194.70	1,357	1,536
194.19	1,075	916	194.71	1,363	1,550
194.20	1,081	927	194.72	1,368	1,564
194.21	1,086	938	194.73	1,374	1,577
194.22	1,092	949	194.74	1,379	1,591
194.23	1,097	960	194.75	1,385	1,605
194.24	1,103	971	194.76	1,390	1,619
194.25	1,108	982	194.77	1,396	1,633
194.26	1,114	993	194.78	1,401	1,647
194.27	1,119	1,004	194.79	1,407	1,661
194.28	1,125	1,015	194.80	1,412	1,675
194.29	1,130	1,027	194.81	1,418	1,689
194.30	1,136	1,038	194.82	1,423	1,703
194.31	1,141	1,049	194.83	1,429	1,718
194.32	1,147	1,061	194.84	1,435	1,732
194.33	1,152	1,072	194.85	1,440	1,746
194.34	1,158	1,084	194.86	1,446	1,761
194.35	1,164	1,095	194.87	1,451	1,775
194.36	1,169	1,107	194.88	1,457	1,790
194.37	1,175	1,119	194.89	1,462	1,804
194.38	1,180	1,131	194.90	1,468	1,819
194.39	1,186	1,142	194.91	1,473	1,834
194.40	1,191	1,154	194.92	1,479	1,848
194.41	1,197	1,166	194.93	1,484	1,863
194.42	1,202	1,178	194.94	1,490	1,878
194.43	1,208	1,190	194.95	1,495	1,893
194.44	1,213	1,202	194.96	1,501	1,908
194.45	1,219	1,214	194.97	1,506	1,923
194.46	1,224	1,227	194.98	1,512	1,938
194.47	1,230	1,239	194.99	1,517	1,953
194.48	1,235	1,251	195.00	1,523	1,969
194.49	1,241	1,264	195.01	1,529	1,984
194.50	1,247	1,276	195.02	1,535	1,999
194.51	1,252	1,289	195.03	1,541	2,014
194.52	1,258	1,301	195.04	1,547	2,030
194.53	1,263	1,314	195.05	1,554	2,045
194.54	1,269	1,326	195.06	1,560	2,061
194.55	1,274	1,339	195.07	1,566	2,077

Stage-Area-Storage for Pond B-52: Basin #52 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
195.08	1,572	2,092	195.60	1,889	2,992
195.09	1,578	2,108	195.61	1,895	3,011
195.10	1,584	2,124	195.62	1,901	3,030
195.11	1,590	2,140	195.63	1,907	3,049
195.12	1,596	2,156	195.64	1,913	3,068
195.13	1,602	2,172	195.65	1,920	3,087
195.14	1,608	2,188	195.66	1,926	3,107
195.15	1,615	2,204	195.67	1,932	3,126
195.16	1,621	2,220	195.68	1,938	3,145
195.17	1,627	2,236	195.69	1,944	3,165
195.18	1,633	2,253	195.70	1,950	3,184
195.19	1,639	2,269	195.71	1,956	3,204
195.20	1,645	2,285	195.72	1,962	3,223
195.21	1,651	2,302	195.73	1,968	3,243
195.22	1,657	2,318	195.74	1,974	3,263
195.23	1,663	2,335	195.75	1,981	3,282
195.24	1,669	2,352	195.76	1,987	3,302
195.25	1,676	2,368	195.77	1,993	3,322
195.26	1,682	2,385	195.78	1,999	3,342
195.27	1,688	2,402	195.79	2,005	3,362
195.28	1,694	2,419	195.80	2,011	3,382
195.29	1,700	2,436	195.81	2,017	3,402
195.30	1,706	2,453	195.82	2,023	3,422
195.31	1,712	2,470	195.83	2,029	3,443
195.32	1,718	2,487	195.84	2,035	3,463
195.33	1,724	2,504	195.85	2,041	3,483
195.34	1,730	2,522	195.86	2,048	3,504
195.35	1,736	2,539	195.87	2,054	3,524
195.36	1,743	2,556	195.88	2,060	3,545
195.37	1,749	2,574	195.89	2,066	3,566
195.38	1,755	2,591	195.90	2,072	3,586
195.39	1,761	2,609	195.91	2,078	3,607
195.40	1,767	2,627	195.92	2,084	3,628
195.41	1,773	2,644	195.93	2,090	3,649
195.42	1,779	2,662	195.94	2,096	3,670
195.43	1,785	2,680	195.95	2,102	3,691
195.44	1,791	2,698	195.96	2,109	3,712
195.45	1,797	2,716	195.97	2,115	3,733
195.46	1,804	2,734	195.98	2,121	3,754
195.47	1,810	2,752	195.99	2,127	3,775
195.48	1,816	2,770	196.00	2,133	3,797
195.49	1,822	2,788	196.01	2,140	3,818
195.50	1,828	2,806	196.02	2,146	3,839
195.51	1,834	2,825	196.03	2,153	3,861
195.52	1,840	2,843	196.04	2,160	3,882
195.53	1,846	2,861	196.05	2,166	3,904
195.54	1,852	2,880	196.06	2,173	3,926
195.55	1,859	2,898	196.07	2,180	3,947
195.56	1,865	2,917	196.08	2,186	3,969
195.57	1,871	2,936	196.09	2,193	3,991
195.58	1,877	2,954	196.10	2,200	4,013
195.59	1,883	2,973	196.11	2,206	4,035

Stage-Area-Storage for Pond B-52: Basin #52 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
196.12	2,213	4,057	196.64	2,559	5,298
196.13	2,220	4,079	196.65	2,566	5,324
196.14	2,226	4,102	196.66	2,573	5,349
196.15	2,233	4,124	196.67	2,579	5,375
196.16	2,240	4,146	196.68	2,586	5,401
196.17	2,246	4,169	196.69	2,593	5,427
196.18	2,253	4,191	196.70	2,599	5,453
196.19	2,260	4,214	196.71	2,606	5,479
196.20	2,266	4,236	196.72	2,613	5,505
196.21	2,273	4,259	196.73	2,619	5,531
196.22	2,280	4,282	196.74	2,626	5,557
196.23	2,286	4,305	196.75	2,633	5,584
196.24	2,293	4,328	196.76	2,639	5,610
196.25	2,300	4,351	196.77	2,646	5,636
196.26	2,306	4,374	196.78	2,652	5,663
196.27	2,313	4,397	196.79	2,659	5,689
196.28	2,319	4,420	196.80	2,666	5,716
196.29	2,326	4,443	196.81	2,672	5,743
196.30	2,333	4,466	196.82	2,679	5,769
196.31	2,339	4,490	196.83	2,686	5,796
196.32	2,346	4,513	196.84	2,692	5,823
196.33	2,353	4,537	196.85	2,699	5,850
196.34	2,359	4,560	196.86	2,706	5,877
196.35	2,366	4,584	196.87	2,712	5,904
196.36	2,373	4,608	196.88	2,719	5,931
196.37	2,379	4,631	196.89	2,726	5,959
196.38	2,386	4,655	196.90	2,732	5,986
196.39	2,393	4,679	196.91	2,739	6,013
196.40	2,399	4,703	196.92	2,746	6,041
196.41	2,406	4,727	196.93	2,752	6,068
196.42	2,413	4,751	196.94	2,759	6,096
196.43	2,419	4,775	196.95	2,766	6,123
196.44	2,426	4,799	196.96	2,772	6,151
196.45	2,433	4,824	196.97	2,779	6,179
196.46	2,439	4,848	196.98	2,786	6,207
196.47	2,446	4,873	196.99	2,792	6,235
196.48	2,453	4,897	197.00	2,799	6,263
196.49	2,459	4,922	197.01	2,806	6,291
196.50	2,466	4,946	197.02	2,813	6,319
196.51	2,473	4,971	197.03	2,820	6,347
196.52	2,479	4,996	197.04	2,827	6,375
196.53	2,486	5,021	197.05	2,835	6,403
196.54	2,493	5,045	197.06	2,842	6,432
196.55	2,499	5,070	197.07	2,849	6,460
196.56	2,506	5,095	197.08	2,856	6,489
196.57	2,513	5,121	197.09	2,863	6,517
196.58	2,519	5,146	197.10	2,870	6,546
196.59	2,526	5,171	197.11	2,877	6,575
196.60	2,533	5,196	197.12	2,884	6,603
196.61	2,539	5,222	197.13	2,891	6,632
196.62	2,546	5,247	197.14	2,898	6,661
196.63	2,553	5,272	197.15	2,906	6,690

Stage-Area-Storage for Pond B-52: Basin #52 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
197.16	2,913	6,719
197.17	2,920	6,749
197.18	2,927	6,778
197.19	2,934	6,807
197.20	2,941	6,836
197.21	2,948	6,866
197.22	2,955	6,895
197.23	2,962	6,925
197.24	2,969	6,955
197.25	2,977	6,984
197.26	2,984	7,014
197.27	2,991	7,044
197.28	2,998	7,074
197.29	3,005	7,104
197.30	3,012	7,134
197.31	3,019	7,164
197.32	3,026	7,195
197.33	3,033	7,225
197.34	3,040	7,255
197.35	3,047	7,286
197.36	3,055	7,316
197.37	3,062	7,347
197.38	3,069	7,377
197.39	3,076	7,408
197.40	3,083	7,439
197.41	3,090	7,470
197.42	3,097	7,501
197.43	3,104	7,532
197.44	3,111	7,563
197.45	3,118	7,594
197.46	3,126	7,625
197.47	3,133	7,656
197.48	3,140	7,688
197.49	3,147	7,719
197.50	**3,154**	**7,751**

Summary for Pond B-53: Basin #53

Inflow Area = 2.540 ac, 47.80% Impervious, Inflow Depth = 0.53" for WQ Storm event
Inflow = 3.87 cfs @ 1.09 hrs, Volume= 0.113 af
Outflow = 0.00 cfs @ 2.17 hrs, Volume= 0.001 af, Atten= 100%, Lag= 65.0 min
Primary = 0.00 cfs @ 2.17 hrs, Volume= 0.001 af
Routed to Pond B-51 : Basin #51

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 201.03' @ 2.17 hrs Surf.Area= 4,749 sf Storage= 4,913 cf

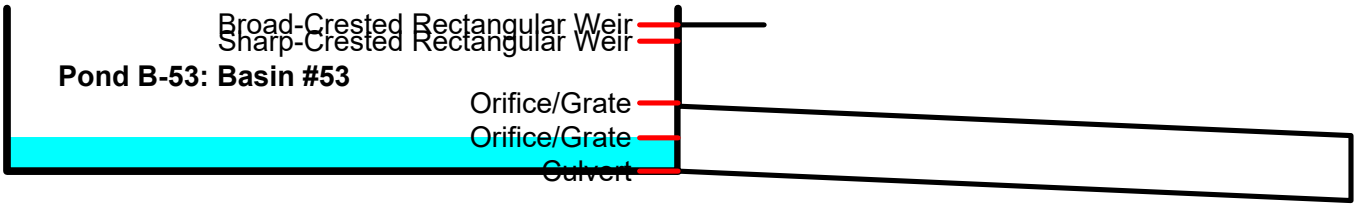
Plug-Flow detention time= 201.0 min calculated for 0.001 af (0% of inflow)
Center-of-Mass det. time= 158.2 min (228.2 - 70.0)

Volume	Invert	Avail.Storage	Storage Description
#1	200.00'	23,745 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

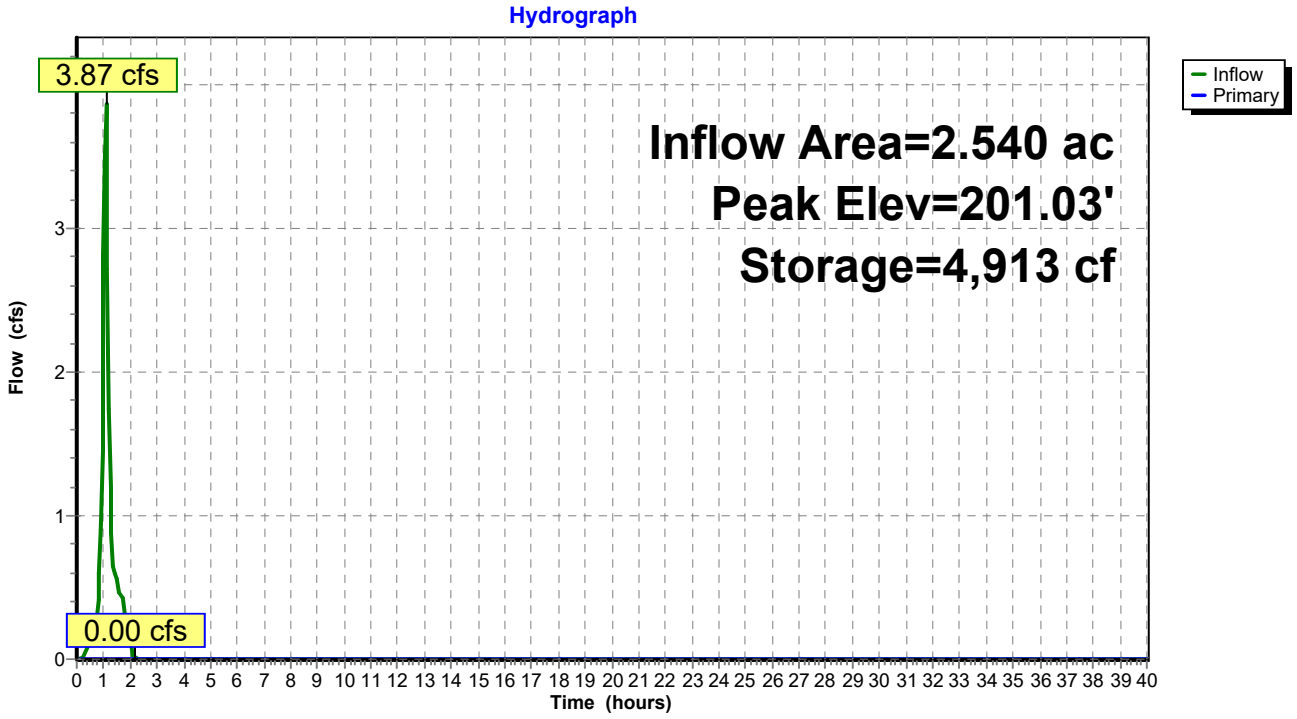
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
200.00	4,749	0	0
201.00	4,749	4,749	4,749
202.00	4,749	4,749	9,498
203.00	4,749	4,749	14,247
204.00	4,749	4,749	18,996
205.00	4,749	4,749	23,745

Device	Routing	Invert	Outlet Devices
#1	Primary	200.00'	**24.0" Round Culvert** L= 39.0' Ke= 0.500 Inlet / Outlet Invert= 200.00' / 199.10' S= 0.0231 '/' Cc= 0.900 n= 0.013, Flow Area= 3.14 sf
#2	Device 1	201.03'	**20.0" W x 4.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	202.10'	**29.0" W x 6.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Device 1	204.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#5	Primary	204.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.00 cfs @ 2.17 hrs HW=201.03' (Free Discharge)
- **1=Culvert** (Passes 0.00 cfs of 5.68 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.00 cfs @ 0.21 fps)
  - **3=Orifice/Grate** (Controls 0.00 cfs)
  - **4=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **5=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-53: Basin #53



Hydrograph for Pond B-53: Basin #53

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	200.00	0.00
0.10	0.00	0	200.00	0.00
0.20	0.00	0	200.00	0.00
0.30	0.00	0	200.00	0.00
0.40	0.03	4	200.00	0.00
0.50	0.11	29	200.01	0.00
0.60	0.21	85	200.02	0.00
0.70	0.28	174	200.04	0.00
0.80	0.41	292	200.06	0.00
0.90	0.90	517	200.11	0.00
1.00	2.81	1,112	200.23	0.00
1.10	**3.81**	2,338	200.49	0.00
1.20	1.75	3,327	200.70	0.00
1.30	0.87	3,779	200.80	0.00
1.40	0.59	4,028	200.85	0.00
1.50	0.58	4,238	200.89	0.00
1.60	0.47	4,428	200.93	0.00
1.70	0.45	4,592	200.97	0.00
1.80	0.33	4,744	201.00	0.00
1.90	0.16	4,824	201.02	0.00
2.00	0.15	4,880	201.03	0.00
2.10	0.02	**4,911**	**201.03**	**0.00**
2.20	0.00	**4,912**	**201.03**	**0.00**
2.30	0.00	4,911	201.03	0.00
2.40	0.00	4,910	201.03	0.00
2.50	0.00	4,909	201.03	0.00
2.60	0.00	4,908	201.03	0.00
2.70	0.00	4,907	201.03	0.00
2.80	0.00	4,906	201.03	0.00
2.90	0.00	4,906	201.03	0.00
3.00	0.00	4,905	201.03	0.00
3.10	0.00	4,904	201.03	0.00
3.20	0.00	4,903	201.03	0.00
3.30	0.00	4,903	201.03	0.00
3.40	0.00	4,902	201.03	0.00
3.50	0.00	4,901	201.03	0.00
3.60	0.00	4,901	201.03	0.00
3.70	0.00	4,900	201.03	0.00
3.80	0.00	4,900	201.03	0.00
3.90	0.00	4,899	201.03	0.00
4.00	0.00	4,899	201.03	0.00
4.10	0.00	4,899	201.03	0.00
4.20	0.00	4,898	201.03	0.00
4.30	0.00	4,898	201.03	0.00
4.40	0.00	4,897	201.03	0.00
4.50	0.00	4,897	201.03	0.00
4.60	0.00	4,897	201.03	0.00
4.70	0.00	4,896	201.03	0.00
4.80	0.00	4,896	201.03	0.00
4.90	0.00	4,896	201.03	0.00
5.00	0.00	4,896	201.03	0.00
5.10	0.00	4,895	201.03	0.00

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	4,895	201.03	0.00
5.30	0.00	4,895	201.03	0.00
5.40	0.00	4,895	201.03	0.00
5.50	0.00	4,895	201.03	0.00
5.60	0.00	4,894	201.03	0.00
5.70	0.00	4,894	201.03	0.00
5.80	0.00	4,894	201.03	0.00
5.90	0.00	4,894	201.03	0.00
6.00	0.00	4,894	201.03	0.00
6.10	0.00	4,894	201.03	0.00
6.20	0.00	4,894	201.03	0.00
6.30	0.00	4,893	201.03	0.00
6.40	0.00	4,893	201.03	0.00
6.50	0.00	4,893	201.03	0.00
6.60	0.00	4,893	201.03	0.00
6.70	0.00	4,893	201.03	0.00
6.80	0.00	4,893	201.03	0.00
6.90	0.00	4,893	201.03	0.00
7.00	0.00	4,893	201.03	0.00
7.10	0.00	4,893	201.03	0.00
7.20	0.00	4,893	201.03	0.00
7.30	0.00	4,893	201.03	0.00
7.40	0.00	4,893	201.03	0.00
7.50	0.00	4,892	201.03	0.00
7.60	0.00	4,892	201.03	0.00
7.70	0.00	4,892	201.03	0.00
7.80	0.00	4,892	201.03	0.00
7.90	0.00	4,892	201.03	0.00
8.00	0.00	4,892	201.03	0.00
8.10	0.00	4,892	201.03	0.00
8.20	0.00	4,892	201.03	0.00
8.30	0.00	4,892	201.03	0.00
8.40	0.00	4,892	201.03	0.00
8.50	0.00	4,892	201.03	0.00
8.60	0.00	4,892	201.03	0.00
8.70	0.00	4,892	201.03	0.00
8.80	0.00	4,892	201.03	0.00
8.90	0.00	4,892	201.03	0.00
9.00	0.00	4,892	201.03	0.00
9.10	0.00	4,892	201.03	0.00
9.20	0.00	4,892	201.03	0.00
9.30	0.00	4,892	201.03	0.00
9.40	0.00	4,892	201.03	0.00
9.50	0.00	4,892	201.03	0.00
9.60	0.00	4,892	201.03	0.00
9.70	0.00	4,892	201.03	0.00
9.80	0.00	4,892	201.03	0.00
9.90	0.00	4,892	201.03	0.00
10.00	0.00	4,892	201.03	0.00
10.10	0.00	4,892	201.03	0.00
10.20	0.00	4,892	201.03	0.00
10.30	0.00	4,892	201.03	0.00

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.00	4,892	201.03	0.00
10.50	0.00	4,892	201.03	0.00
10.60	0.00	4,892	201.03	0.00
10.70	0.00	4,892	201.03	0.00
10.80	0.00	4,892	201.03	0.00
10.90	0.00	4,892	201.03	0.00
11.00	0.00	4,892	201.03	0.00
11.10	0.00	4,892	201.03	0.00
11.20	0.00	4,892	201.03	0.00
11.30	0.00	4,892	201.03	0.00
11.40	0.00	4,892	201.03	0.00
11.50	0.00	4,892	201.03	0.00
11.60	0.00	4,892	201.03	0.00
11.70	0.00	4,892	201.03	0.00
11.80	0.00	4,892	201.03	0.00
11.90	0.00	4,892	201.03	0.00
12.00	0.00	4,892	201.03	0.00
12.10	0.00	4,892	201.03	0.00
12.20	0.00	4,892	201.03	0.00
12.30	0.00	4,892	201.03	0.00
12.40	0.00	4,892	201.03	0.00
12.50	0.00	4,892	201.03	0.00
12.60	0.00	4,892	201.03	0.00
12.70	0.00	4,892	201.03	0.00
12.80	0.00	4,892	201.03	0.00
12.90	0.00	4,892	201.03	0.00
13.00	0.00	4,892	201.03	0.00
13.10	0.00	4,892	201.03	0.00
13.20	0.00	4,892	201.03	0.00
13.30	0.00	4,892	201.03	0.00
13.40	0.00	4,892	201.03	0.00
13.50	0.00	4,892	201.03	0.00
13.60	0.00	4,892	201.03	0.00
13.70	0.00	4,891	201.03	0.00
13.80	0.00	4,891	201.03	0.00
13.90	0.00	4,891	201.03	0.00
14.00	0.00	4,891	201.03	0.00
14.10	0.00	4,891	201.03	0.00
14.20	0.00	4,891	201.03	0.00
14.30	0.00	4,891	201.03	0.00
14.40	0.00	4,891	201.03	0.00
14.50	0.00	4,891	201.03	0.00
14.60	0.00	4,891	201.03	0.00
14.70	0.00	4,891	201.03	0.00
14.80	0.00	4,891	201.03	0.00
14.90	0.00	4,891	201.03	0.00
15.00	0.00	4,891	201.03	0.00
15.10	0.00	4,891	201.03	0.00
15.20	0.00	4,891	201.03	0.00
15.30	0.00	4,891	201.03	0.00
15.40	0.00	4,891	201.03	0.00
15.50	0.00	4,891	201.03	0.00

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.00	4,891	201.03	0.00
15.70	0.00	4,891	201.03	0.00
15.80	0.00	4,891	201.03	0.00
15.90	0.00	4,891	201.03	0.00
16.00	0.00	4,891	201.03	0.00
16.10	0.00	4,891	201.03	0.00
16.20	0.00	4,891	201.03	0.00
16.30	0.00	4,891	201.03	0.00
16.40	0.00	4,891	201.03	0.00
16.50	0.00	4,891	201.03	0.00
16.60	0.00	4,891	201.03	0.00
16.70	0.00	4,891	201.03	0.00
16.80	0.00	4,891	201.03	0.00
16.90	0.00	4,891	201.03	0.00
17.00	0.00	4,891	201.03	0.00
17.10	0.00	4,891	201.03	0.00
17.20	0.00	4,891	201.03	0.00
17.30	0.00	4,891	201.03	0.00
17.40	0.00	4,891	201.03	0.00
17.50	0.00	4,891	201.03	0.00
17.60	0.00	4,891	201.03	0.00
17.70	0.00	4,891	201.03	0.00
17.80	0.00	4,891	201.03	0.00
17.90	0.00	4,891	201.03	0.00
18.00	0.00	4,891	201.03	0.00
18.10	0.00	4,891	201.03	0.00
18.20	0.00	4,891	201.03	0.00
18.30	0.00	4,891	201.03	0.00
18.40	0.00	4,891	201.03	0.00
18.50	0.00	4,891	201.03	0.00
18.60	0.00	4,891	201.03	0.00
18.70	0.00	4,891	201.03	0.00
18.80	0.00	4,891	201.03	0.00
18.90	0.00	4,891	201.03	0.00
19.00	0.00	4,891	201.03	0.00
19.10	0.00	4,891	201.03	0.00
19.20	0.00	4,891	201.03	0.00
19.30	0.00	4,891	201.03	0.00
19.40	0.00	4,891	201.03	0.00
19.50	0.00	4,891	201.03	0.00
19.60	0.00	4,891	201.03	0.00
19.70	0.00	4,891	201.03	0.00
19.80	0.00	4,891	201.03	0.00
19.90	0.00	4,891	201.03	0.00
20.00	0.00	4,891	201.03	0.00
20.10	0.00	4,891	201.03	0.00
20.20	0.00	4,891	201.03	0.00
20.30	0.00	4,891	201.03	0.00
20.40	0.00	4,891	201.03	0.00
20.50	0.00	4,891	201.03	0.00
20.60	0.00	4,891	201.03	0.00
20.70	0.00	4,891	201.03	0.00

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.00	4,891	201.03	0.00
20.90	0.00	4,891	201.03	0.00
21.00	0.00	4,891	201.03	0.00
21.10	0.00	4,891	201.03	0.00
21.20	0.00	4,891	201.03	0.00
21.30	0.00	4,891	201.03	0.00
21.40	0.00	4,891	201.03	0.00
21.50	0.00	4,891	201.03	0.00
21.60	0.00	4,891	201.03	0.00
21.70	0.00	4,891	201.03	0.00
21.80	0.00	4,891	201.03	0.00
21.90	0.00	4,891	201.03	0.00
22.00	0.00	4,891	201.03	0.00
22.10	0.00	4,891	201.03	0.00
22.20	0.00	4,891	201.03	0.00
22.30	0.00	4,891	201.03	0.00
22.40	0.00	4,891	201.03	0.00
22.50	0.00	4,891	201.03	0.00
22.60	0.00	4,891	201.03	0.00
22.70	0.00	4,891	201.03	0.00
22.80	0.00	4,891	201.03	0.00
22.90	0.00	4,891	201.03	0.00
23.00	0.00	4,891	201.03	0.00
23.10	0.00	4,891	201.03	0.00
23.20	0.00	4,891	201.03	0.00
23.30	0.00	4,891	201.03	0.00
23.40	0.00	4,891	201.03	0.00
23.50	0.00	4,891	201.03	0.00
23.60	0.00	4,891	201.03	0.00
23.70	0.00	4,891	201.03	0.00
23.80	0.00	4,891	201.03	0.00
23.90	0.00	4,891	201.03	0.00
24.00	0.00	4,891	201.03	0.00
24.10	0.00	4,891	201.03	0.00
24.20	0.00	4,891	201.03	0.00
24.30	0.00	4,891	201.03	0.00
24.40	0.00	4,891	201.03	0.00
24.50	0.00	4,891	201.03	0.00
24.60	0.00	4,891	201.03	0.00
24.70	0.00	4,891	201.03	0.00
24.80	0.00	4,891	201.03	0.00
24.90	0.00	4,891	201.03	0.00
25.00	0.00	4,891	201.03	0.00
25.10	0.00	4,891	201.03	0.00
25.20	0.00	4,891	201.03	0.00
25.30	0.00	4,891	201.03	0.00
25.40	0.00	4,891	201.03	0.00
25.50	0.00	4,891	201.03	0.00
25.60	0.00	4,891	201.03	0.00
25.70	0.00	4,891	201.03	0.00
25.80	0.00	4,891	201.03	0.00
25.90	0.00	4,891	201.03	0.00

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	4,891	201.03	0.00
26.10	0.00	4,891	201.03	0.00
26.20	0.00	4,891	201.03	0.00
26.30	0.00	4,891	201.03	0.00
26.40	0.00	4,891	201.03	0.00
26.50	0.00	4,891	201.03	0.00
26.60	0.00	4,891	201.03	0.00
26.70	0.00	4,891	201.03	0.00
26.80	0.00	4,891	201.03	0.00
26.90	0.00	4,891	201.03	0.00
27.00	0.00	4,891	201.03	0.00
27.10	0.00	4,891	201.03	0.00
27.20	0.00	4,891	201.03	0.00
27.30	0.00	4,891	201.03	0.00
27.40	0.00	4,891	201.03	0.00
27.50	0.00	4,891	201.03	0.00
27.60	0.00	4,891	201.03	0.00
27.70	0.00	4,891	201.03	0.00
27.80	0.00	4,891	201.03	0.00
27.90	0.00	4,891	201.03	0.00
28.00	0.00	4,891	201.03	0.00
28.10	0.00	4,891	201.03	0.00
28.20	0.00	4,891	201.03	0.00
28.30	0.00	4,891	201.03	0.00
28.40	0.00	4,891	201.03	0.00
28.50	0.00	4,891	201.03	0.00
28.60	0.00	4,891	201.03	0.00
28.70	0.00	4,891	201.03	0.00
28.80	0.00	4,891	201.03	0.00
28.90	0.00	4,891	201.03	0.00
29.00	0.00	4,891	201.03	0.00
29.10	0.00	4,891	201.03	0.00
29.20	0.00	4,891	201.03	0.00
29.30	0.00	4,891	201.03	0.00
29.40	0.00	4,891	201.03	0.00
29.50	0.00	4,891	201.03	0.00
29.60	0.00	4,891	201.03	0.00
29.70	0.00	4,891	201.03	0.00
29.80	0.00	4,891	201.03	0.00
29.90	0.00	4,891	201.03	0.00
30.00	0.00	4,891	201.03	0.00
30.10	0.00	4,891	201.03	0.00
30.20	0.00	4,891	201.03	0.00
30.30	0.00	4,891	201.03	0.00
30.40	0.00	4,891	201.03	0.00
30.50	0.00	4,891	201.03	0.00
30.60	0.00	4,891	201.03	0.00
30.70	0.00	4,891	201.03	0.00
30.80	0.00	4,891	201.03	0.00
30.90	0.00	4,891	201.03	0.00
31.00	0.00	4,891	201.03	0.00
31.10	0.00	4,891	201.03	0.00

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	4,891	201.03	0.00
31.30	0.00	4,891	201.03	0.00
31.40	0.00	4,891	201.03	0.00
31.50	0.00	4,891	201.03	0.00
31.60	0.00	4,891	201.03	0.00
31.70	0.00	4,891	201.03	0.00
31.80	0.00	4,891	201.03	0.00
31.90	0.00	4,891	201.03	0.00
32.00	0.00	4,891	201.03	0.00
32.10	0.00	4,891	201.03	0.00
32.20	0.00	4,891	201.03	0.00
32.30	0.00	4,891	201.03	0.00
32.40	0.00	4,891	201.03	0.00
32.50	0.00	4,891	201.03	0.00
32.60	0.00	4,891	201.03	0.00
32.70	0.00	4,891	201.03	0.00
32.80	0.00	4,891	201.03	0.00
32.90	0.00	4,891	201.03	0.00
33.00	0.00	4,891	201.03	0.00
33.10	0.00	4,891	201.03	0.00
33.20	0.00	4,891	201.03	0.00
33.30	0.00	4,891	201.03	0.00
33.40	0.00	4,891	201.03	0.00
33.50	0.00	4,891	201.03	0.00
33.60	0.00	4,891	201.03	0.00
33.70	0.00	4,891	201.03	0.00
33.80	0.00	4,891	201.03	0.00
33.90	0.00	4,891	201.03	0.00
34.00	0.00	4,891	201.03	0.00
34.10	0.00	4,891	201.03	0.00
34.20	0.00	4,891	201.03	0.00
34.30	0.00	4,891	201.03	0.00
34.40	0.00	4,891	201.03	0.00
34.50	0.00	4,891	201.03	0.00
34.60	0.00	4,891	201.03	0.00
34.70	0.00	4,891	201.03	0.00
34.80	0.00	4,891	201.03	0.00
34.90	0.00	4,891	201.03	0.00
35.00	0.00	4,891	201.03	0.00
35.10	0.00	4,891	201.03	0.00
35.20	0.00	4,891	201.03	0.00
35.30	0.00	4,891	201.03	0.00
35.40	0.00	4,891	201.03	0.00
35.50	0.00	4,891	201.03	0.00
35.60	0.00	4,891	201.03	0.00
35.70	0.00	4,891	201.03	0.00
35.80	0.00	4,891	201.03	0.00
35.90	0.00	4,891	201.03	0.00
36.00	0.00	4,891	201.03	0.00
36.10	0.00	4,891	201.03	0.00
36.20	0.00	4,891	201.03	0.00
36.30	0.00	4,891	201.03	0.00

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	4,891	201.03	0.00
36.50	0.00	4,891	201.03	0.00
36.60	0.00	4,891	201.03	0.00
36.70	0.00	4,891	201.03	0.00
36.80	0.00	4,891	201.03	0.00
36.90	0.00	4,891	201.03	0.00
37.00	0.00	4,891	201.03	0.00
37.10	0.00	4,891	201.03	0.00
37.20	0.00	4,891	201.03	0.00
37.30	0.00	4,891	201.03	0.00
37.40	0.00	4,891	201.03	0.00
37.50	0.00	4,891	201.03	0.00
37.60	0.00	4,891	201.03	0.00
37.70	0.00	4,891	201.03	0.00
37.80	0.00	4,891	201.03	0.00
37.90	0.00	4,891	201.03	0.00
38.00	0.00	4,891	201.03	0.00
38.10	0.00	4,891	201.03	0.00
38.20	0.00	4,891	201.03	0.00
38.30	0.00	4,891	201.03	0.00
38.40	0.00	4,891	201.03	0.00
38.50	0.00	4,891	201.03	0.00
38.60	0.00	4,891	201.03	0.00
38.70	0.00	4,891	201.03	0.00
38.80	0.00	4,891	201.03	0.00
38.90	0.00	4,891	201.03	0.00
39.00	0.00	4,891	201.03	0.00
39.10	0.00	4,891	201.03	0.00
39.20	0.00	4,891	201.03	0.00
39.30	0.00	4,891	201.03	0.00
39.40	0.00	4,891	201.03	0.00
39.50	0.00	4,891	201.03	0.00
39.60	0.00	4,891	201.03	0.00
39.70	0.00	4,891	201.03	0.00
39.80	0.00	4,891	201.03	0.00
39.90	0.00	4,891	201.03	0.00
40.00	0.00	4,891	201.03	0.00

Stage-Discharge for Pond B-53: Basin #53

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
200.00	0.00	200.52	0.00	201.04	0.01	201.56	1.60
200.01	0.00	200.53	0.00	201.05	0.02	201.57	1.62
200.02	0.00	200.54	0.00	201.06	0.03	201.58	1.64
200.03	0.00	200.55	0.00	201.07	0.04	201.59	1.66
200.04	0.00	200.56	0.00	201.08	0.06	201.60	1.69
200.05	0.00	200.57	0.00	201.09	0.08	201.61	1.71
200.06	0.00	200.58	0.00	201.10	0.10	201.62	1.73
200.07	0.00	200.59	0.00	201.11	0.12	201.63	1.75
200.08	0.00	200.60	0.00	201.12	0.14	201.64	1.77
200.09	0.00	200.61	0.00	201.13	0.17	201.65	1.79
200.10	0.00	200.62	0.00	201.14	0.20	201.66	1.81
200.11	0.00	200.63	0.00	201.15	0.22	201.67	1.83
200.12	0.00	200.64	0.00	201.16	0.25	201.68	1.85
200.13	0.00	200.65	0.00	201.17	0.28	201.69	1.87
200.14	0.00	200.66	0.00	201.18	0.31	201.70	1.89
200.15	0.00	200.67	0.00	201.19	0.34	201.71	1.91
200.16	0.00	200.68	0.00	201.20	0.37	201.72	1.93
200.17	0.00	200.69	0.00	201.21	0.41	201.73	1.95
200.18	0.00	200.70	0.00	201.22	0.44	201.74	1.96
200.19	0.00	200.71	0.00	201.23	0.48	201.75	1.98
200.20	0.00	200.72	0.00	201.24	0.51	201.76	2.00
200.21	0.00	200.73	0.00	201.25	0.55	201.77	2.02
200.22	0.00	200.74	0.00	201.26	0.59	201.78	2.04
200.23	0.00	200.75	0.00	201.27	0.63	201.79	2.05
200.24	0.00	200.76	0.00	201.28	0.67	201.80	2.07
200.25	0.00	200.77	0.00	201.29	0.71	201.81	2.09
200.26	0.00	200.78	0.00	201.30	0.75	201.82	2.11
200.27	0.00	200.79	0.00	201.31	0.79	201.83	2.12
200.28	0.00	200.80	0.00	201.32	0.84	201.84	2.14
200.29	0.00	200.81	0.00	201.33	0.88	201.85	2.16
200.30	0.00	200.82	0.00	201.34	0.92	201.86	2.17
200.31	0.00	200.83	0.00	201.35	0.97	201.87	2.19
200.32	0.00	200.84	0.00	201.36	1.01	201.88	2.21
200.33	0.00	200.85	0.00	201.37	1.06	201.89	2.22
200.34	0.00	200.86	0.00	201.38	1.10	201.90	2.24
200.35	0.00	200.87	0.00	201.39	1.13	201.91	2.25
200.36	0.00	200.88	0.00	201.40	1.17	201.92	2.27
200.37	0.00	200.89	0.00	201.41	1.20	201.93	2.29
200.38	0.00	200.90	0.00	201.42	1.23	201.94	2.30
200.39	0.00	200.91	0.00	201.43	1.26	201.95	2.32
200.40	0.00	200.92	0.00	201.44	1.29	201.96	2.33
200.41	0.00	200.93	0.00	201.45	1.32	201.97	2.35
200.42	0.00	200.94	0.00	201.46	1.35	201.98	2.36
200.43	0.00	200.95	0.00	201.47	1.38	201.99	2.38
200.44	0.00	200.96	0.00	201.48	1.40	202.00	2.39
200.45	0.00	200.97	0.00	201.49	1.43	202.01	2.41
200.46	0.00	200.98	0.00	201.50	1.45	202.02	2.42
200.47	0.00	200.99	0.00	201.51	1.48	202.03	2.44
200.48	0.00	201.00	0.00	201.52	1.50	202.04	2.45
200.49	0.00	201.01	0.00	201.53	1.53	202.05	2.47
200.50	0.00	201.02	0.00	201.54	1.55	202.06	2.48
200.51	0.00	201.03	0.00	201.55	1.57	202.07	2.50

Stage-Discharge for Pond B-53: Basin #53 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
202.08	2.51	202.60	5.91	203.12	8.79	203.64	10.78
202.09	2.52	202.61	6.00	203.13	8.83	203.65	10.81
202.10	2.54	202.62	6.08	203.14	8.88	203.66	10.85
202.11	2.56	202.63	6.15	203.15	8.92	203.67	10.88
202.12	2.59	202.64	6.23	203.16	8.96	203.68	10.91
202.13	2.62	202.65	6.30	203.17	9.00	203.69	10.95
202.14	2.66	202.66	6.37	203.18	9.05	203.70	10.98
202.15	2.70	202.67	6.44	203.19	9.09	203.71	11.02
202.16	2.74	202.68	6.51	203.20	9.13	203.72	11.05
202.17	2.78	202.69	6.57	203.21	9.17	203.73	11.08
202.18	2.82	202.70	6.64	203.22	9.21	203.74	11.12
202.19	2.87	202.71	6.70	203.23	9.25	203.75	11.15
202.20	2.92	202.72	6.76	203.24	9.29	203.76	11.18
202.21	2.97	202.73	6.83	203.25	9.33	203.77	11.21
202.22	3.03	202.74	6.89	203.26	9.37	203.78	11.25
202.23	3.08	202.75	6.95	203.27	9.41	203.79	11.28
202.24	3.14	202.76	7.01	203.28	9.45	203.80	11.31
202.25	3.19	202.77	7.06	203.29	9.49	203.81	11.34
202.26	3.25	202.78	7.12	203.30	9.53	203.82	11.38
202.27	3.31	202.79	7.18	203.31	9.57	203.83	11.41
202.28	3.37	202.80	7.24	203.32	9.61	203.84	11.44
202.29	3.44	202.81	7.29	203.33	9.65	203.85	11.47
202.30	3.50	202.82	7.35	203.34	9.69	203.86	11.51
202.31	3.57	202.83	7.40	203.35	9.73	203.87	11.54
202.32	3.63	202.84	7.45	203.36	9.77	203.88	11.57
202.33	3.70	202.85	7.51	203.37	9.80	203.89	11.60
202.34	3.77	202.86	7.56	203.38	9.84	203.90	11.63
202.35	3.84	202.87	7.61	203.39	9.88	203.91	11.66
202.36	3.91	202.88	7.66	203.40	9.92	203.92	11.70
202.37	3.98	202.89	7.72	203.41	9.95	203.93	11.73
202.38	4.06	202.90	7.77	203.42	9.99	203.94	11.76
202.39	4.13	202.91	7.82	203.43	10.03	203.95	11.79
202.40	4.21	202.92	7.87	203.44	10.07	203.96	11.82
202.41	4.28	202.93	7.92	203.45	10.10	203.97	11.85
202.42	4.36	202.94	7.96	203.46	10.14	203.98	11.88
202.43	4.44	202.95	8.01	203.47	10.18	203.99	11.91
202.44	4.52	202.96	8.06	203.48	10.21	204.00	11.94
202.45	4.60	202.97	8.11	203.49	10.25	204.01	11.99
202.46	4.68	202.98	8.16	203.50	10.29	204.02	12.04
202.47	4.76	202.99	8.20	203.51	10.32	204.03	12.10
202.48	4.85	203.00	8.25	203.52	10.36	204.04	12.17
202.49	4.93	203.01	8.30	203.53	10.39	204.05	12.24
202.50	5.01	203.02	8.34	203.54	10.43	204.06	12.32
202.51	5.10	203.03	8.39	203.55	10.46	204.07	12.40
202.52	5.19	203.04	8.44	203.56	10.50	204.08	12.48
202.53	5.27	203.05	8.48	203.57	10.54	204.09	12.57
202.54	5.36	203.06	8.53	203.58	10.57	204.10	12.66
202.55	5.45	203.07	8.57	203.59	10.61	204.11	12.75
202.56	5.54	203.08	8.62	203.60	10.64	204.12	12.85
202.57	5.63	203.09	8.66	203.61	10.67	204.13	12.95
202.58	5.72	203.10	8.70	203.62	10.71	204.14	13.05
202.59	5.82	203.11	8.75	203.63	10.74	204.15	13.15

Stage-Discharge for Pond B-53: Basin #53 (continued)

Elevation (feet)	Primary (cfs)
204.16	13.26
204.17	13.36
204.18	13.47
204.19	13.59
204.20	13.70
204.21	13.82
204.22	13.94
204.23	14.06
204.24	14.18
204.25	14.30
204.26	14.43
204.27	14.56
204.28	14.68
204.29	14.82
204.30	14.95
204.31	15.08
204.32	15.22
204.33	15.35
204.34	15.49
204.35	15.63
204.36	15.77
204.37	15.92
204.38	16.06
204.39	16.21
204.40	16.36
204.41	16.50
204.42	16.65
204.43	16.80
204.44	16.96
204.45	17.11
204.46	17.27
204.47	17.42
204.48	17.58
204.49	17.74
204.50	17.90
204.51	18.17
204.52	18.55
204.53	18.99
204.54	19.48
204.55	20.02
204.56	20.60
204.57	21.22
204.58	21.87
204.59	22.56
204.60	23.27
204.61	24.02
204.62	24.79
204.63	25.59
204.64	26.42
204.65	27.27
204.66	28.14
204.67	29.04
204.68	29.97
204.69	30.91
204.70	31.88
204.71	32.91
204.72	33.96
204.73	35.04
204.74	36.15
204.75	37.28
204.76	38.44
204.77	39.63
204.78	40.84
204.79	42.07
204.80	43.33
204.81	44.62
204.82	45.93
204.83	47.27
204.84	48.63
204.85	50.02
204.86	51.43
204.87	52.87
204.88	54.33
204.89	55.82
204.90	57.33
204.91	58.89
204.92	60.48
204.93	62.10
204.94	63.74
204.95	65.42
204.96	67.11
204.97	68.84
204.98	70.59
204.99	72.37
205.00	**74.18**

Stage-Area-Storage for Pond B-53: Basin #53

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
200.00	**4,749**	0	200.52	4,749	2,469
200.01	4,749	47	200.53	4,749	2,517
200.02	4,749	95	200.54	4,749	2,564
200.03	4,749	142	200.55	4,749	2,612
200.04	4,749	190	200.56	4,749	2,659
200.05	4,749	237	200.57	4,749	2,707
200.06	4,749	285	200.58	4,749	2,754
200.07	4,749	332	200.59	4,749	2,802
200.08	4,749	380	200.60	4,749	2,849
200.09	4,749	427	200.61	4,749	2,897
200.10	4,749	475	200.62	4,749	2,944
200.11	4,749	522	200.63	4,749	2,992
200.12	4,749	570	200.64	4,749	3,039
200.13	4,749	617	200.65	4,749	3,087
200.14	4,749	665	200.66	4,749	3,134
200.15	4,749	712	200.67	4,749	3,182
200.16	4,749	760	200.68	4,749	3,229
200.17	4,749	807	200.69	4,749	3,277
200.18	4,749	855	200.70	4,749	3,324
200.19	4,749	902	200.71	4,749	3,372
200.20	4,749	950	200.72	4,749	3,419
200.21	4,749	997	200.73	4,749	3,467
200.22	4,749	1,045	200.74	4,749	3,514
200.23	4,749	1,092	200.75	4,749	3,562
200.24	4,749	1,140	200.76	4,749	3,609
200.25	4,749	1,187	200.77	4,749	3,657
200.26	4,749	1,235	200.78	4,749	3,704
200.27	4,749	1,282	200.79	4,749	3,752
200.28	4,749	1,330	200.80	4,749	3,799
200.29	4,749	1,377	200.81	4,749	3,847
200.30	4,749	1,425	200.82	4,749	3,894
200.31	4,749	1,472	200.83	4,749	3,942
200.32	4,749	1,520	200.84	4,749	3,989
200.33	4,749	1,567	200.85	4,749	4,037
200.34	4,749	1,615	200.86	4,749	4,084
200.35	4,749	1,662	200.87	4,749	4,132
200.36	4,749	1,710	200.88	4,749	4,179
200.37	4,749	1,757	200.89	4,749	4,227
200.38	4,749	1,805	200.90	4,749	4,274
200.39	4,749	1,852	200.91	4,749	4,322
200.40	4,749	1,900	200.92	4,749	4,369
200.41	4,749	1,947	200.93	4,749	4,417
200.42	4,749	1,995	200.94	4,749	4,464
200.43	4,749	2,042	200.95	4,749	4,512
200.44	4,749	2,090	200.96	4,749	4,559
200.45	4,749	2,137	200.97	4,749	4,607
200.46	4,749	2,185	200.98	4,749	4,654
200.47	4,749	2,232	200.99	4,749	4,702
200.48	4,749	2,280	201.00	4,749	4,749
200.49	4,749	2,327	201.01	4,749	4,796
200.50	4,749	2,375	201.02	4,749	4,844
200.51	4,749	2,422	201.03	4,749	4,891

Stage-Area-Storage for Pond B-53: Basin #53 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
201.04	4,749	4,939	201.56	4,749	7,408
201.05	4,749	4,986	201.57	4,749	7,456
201.06	4,749	5,034	201.58	4,749	7,503
201.07	4,749	5,081	201.59	4,749	7,551
201.08	4,749	5,129	201.60	4,749	7,598
201.09	4,749	5,176	201.61	4,749	7,646
201.10	4,749	5,224	201.62	4,749	7,693
201.11	4,749	5,271	201.63	4,749	7,741
201.12	4,749	5,319	201.64	4,749	7,788
201.13	4,749	5,366	201.65	4,749	7,836
201.14	4,749	5,414	201.66	4,749	7,883
201.15	4,749	5,461	201.67	4,749	7,931
201.16	4,749	5,509	201.68	4,749	7,978
201.17	4,749	5,556	201.69	4,749	8,026
201.18	4,749	5,604	201.70	4,749	8,073
201.19	4,749	5,651	201.71	4,749	8,121
201.20	4,749	5,699	201.72	4,749	8,168
201.21	4,749	5,746	201.73	4,749	8,216
201.22	4,749	5,794	201.74	4,749	8,263
201.23	4,749	5,841	201.75	4,749	8,311
201.24	4,749	5,889	201.76	4,749	8,358
201.25	4,749	5,936	201.77	4,749	8,406
201.26	4,749	5,984	201.78	4,749	8,453
201.27	4,749	6,031	201.79	4,749	8,501
201.28	4,749	6,079	201.80	4,749	8,548
201.29	4,749	6,126	201.81	4,749	8,596
201.30	4,749	6,174	201.82	4,749	8,643
201.31	4,749	6,221	201.83	4,749	8,691
201.32	4,749	6,269	201.84	4,749	8,738
201.33	4,749	6,316	201.85	4,749	8,786
201.34	4,749	6,364	201.86	4,749	8,833
201.35	4,749	6,411	201.87	4,749	8,881
201.36	4,749	6,459	201.88	4,749	8,928
201.37	4,749	6,506	201.89	4,749	8,976
201.38	4,749	6,554	201.90	4,749	9,023
201.39	4,749	6,601	201.91	4,749	9,071
201.40	4,749	6,649	201.92	4,749	9,118
201.41	4,749	6,696	201.93	4,749	9,166
201.42	4,749	6,744	201.94	4,749	9,213
201.43	4,749	6,791	201.95	4,749	9,261
201.44	4,749	6,839	201.96	4,749	9,308
201.45	4,749	6,886	201.97	4,749	9,356
201.46	4,749	6,934	201.98	4,749	9,403
201.47	4,749	6,981	201.99	4,749	9,451
201.48	4,749	7,029	202.00	4,749	9,498
201.49	4,749	7,076	202.01	4,749	9,545
201.50	4,749	7,124	202.02	4,749	9,593
201.51	4,749	7,171	202.03	4,749	9,640
201.52	4,749	7,218	202.04	4,749	9,688
201.53	4,749	7,266	202.05	4,749	9,735
201.54	4,749	7,313	202.06	4,749	9,783
201.55	4,749	7,361	202.07	4,749	9,830

Stage-Area-Storage for Pond B-53: Basin #53 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
202.08	4,749	9,878	202.60	4,749	12,347
202.09	4,749	9,925	202.61	4,749	12,395
202.10	4,749	9,973	202.62	4,749	12,442
202.11	4,749	10,020	202.63	4,749	12,490
202.12	4,749	10,068	202.64	4,749	12,537
202.13	4,749	10,115	202.65	4,749	12,585
202.14	4,749	10,163	202.66	4,749	12,632
202.15	4,749	10,210	202.67	4,749	12,680
202.16	4,749	10,258	202.68	4,749	12,727
202.17	4,749	10,305	202.69	4,749	12,775
202.18	4,749	10,353	202.70	4,749	12,822
202.19	4,749	10,400	202.71	4,749	12,870
202.20	4,749	10,448	202.72	4,749	12,917
202.21	4,749	10,495	202.73	4,749	12,965
202.22	4,749	10,543	202.74	4,749	13,012
202.23	4,749	10,590	202.75	4,749	13,060
202.24	4,749	10,638	202.76	4,749	13,107
202.25	4,749	10,685	202.77	4,749	13,155
202.26	4,749	10,733	202.78	4,749	13,202
202.27	4,749	10,780	202.79	4,749	13,250
202.28	4,749	10,828	202.80	4,749	13,297
202.29	4,749	10,875	202.81	4,749	13,345
202.30	4,749	10,923	202.82	4,749	13,392
202.31	4,749	10,970	202.83	4,749	13,440
202.32	4,749	11,018	202.84	4,749	13,487
202.33	4,749	11,065	202.85	4,749	13,535
202.34	4,749	11,113	202.86	4,749	13,582
202.35	4,749	11,160	202.87	4,749	13,630
202.36	4,749	11,208	202.88	4,749	13,677
202.37	4,749	11,255	202.89	4,749	13,725
202.38	4,749	11,303	202.90	4,749	13,772
202.39	4,749	11,350	202.91	4,749	13,820
202.40	4,749	11,398	202.92	4,749	13,867
202.41	4,749	11,445	202.93	4,749	13,915
202.42	4,749	11,493	202.94	4,749	13,962
202.43	4,749	11,540	202.95	4,749	14,010
202.44	4,749	11,588	202.96	4,749	14,057
202.45	4,749	11,635	202.97	4,749	14,105
202.46	4,749	11,683	202.98	4,749	14,152
202.47	4,749	11,730	202.99	4,749	14,200
202.48	4,749	11,778	203.00	4,749	14,247
202.49	4,749	11,825	203.01	4,749	14,294
202.50	4,749	11,873	203.02	4,749	14,342
202.51	4,749	11,920	203.03	4,749	14,389
202.52	4,749	11,967	203.04	4,749	14,437
202.53	4,749	12,015	203.05	4,749	14,484
202.54	4,749	12,062	203.06	4,749	14,532
202.55	4,749	12,110	203.07	4,749	14,579
202.56	4,749	12,157	203.08	4,749	14,627
202.57	4,749	12,205	203.09	4,749	14,674
202.58	4,749	12,252	203.10	4,749	14,722
202.59	4,749	12,300	203.11	4,749	14,769

Stage-Area-Storage for Pond B-53: Basin #53 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
203.12	4,749	14,817	203.64	4,749	17,286
203.13	4,749	14,864	203.65	4,749	17,334
203.14	4,749	14,912	203.66	4,749	17,381
203.15	4,749	14,959	203.67	4,749	17,429
203.16	4,749	15,007	203.68	4,749	17,476
203.17	4,749	15,054	203.69	4,749	17,524
203.18	4,749	15,102	203.70	4,749	17,571
203.19	4,749	15,149	203.71	4,749	17,619
203.20	4,749	15,197	203.72	4,749	17,666
203.21	4,749	15,244	203.73	4,749	17,714
203.22	4,749	15,292	203.74	4,749	17,761
203.23	4,749	15,339	203.75	4,749	17,809
203.24	4,749	15,387	203.76	4,749	17,856
203.25	4,749	15,434	203.77	4,749	17,904
203.26	4,749	15,482	203.78	4,749	17,951
203.27	4,749	15,529	203.79	4,749	17,999
203.28	4,749	15,577	203.80	4,749	18,046
203.29	4,749	15,624	203.81	4,749	18,094
203.30	4,749	15,672	203.82	4,749	18,141
203.31	4,749	15,719	203.83	4,749	18,189
203.32	4,749	15,767	203.84	4,749	18,236
203.33	4,749	15,814	203.85	4,749	18,284
203.34	4,749	15,862	203.86	4,749	18,331
203.35	4,749	15,909	203.87	4,749	18,379
203.36	4,749	15,957	203.88	4,749	18,426
203.37	4,749	16,004	203.89	4,749	18,474
203.38	4,749	16,052	203.90	4,749	18,521
203.39	4,749	16,099	203.91	4,749	18,569
203.40	4,749	16,147	203.92	4,749	18,616
203.41	4,749	16,194	203.93	4,749	18,664
203.42	4,749	16,242	203.94	4,749	18,711
203.43	4,749	16,289	203.95	4,749	18,759
203.44	4,749	16,337	203.96	4,749	18,806
203.45	4,749	16,384	203.97	4,749	18,854
203.46	4,749	16,432	203.98	4,749	18,901
203.47	4,749	16,479	203.99	4,749	18,949
203.48	4,749	16,527	204.00	4,749	18,996
203.49	4,749	16,574	204.01	4,749	19,043
203.50	4,749	16,622	204.02	4,749	19,091
203.51	4,749	16,669	204.03	4,749	19,138
203.52	4,749	16,716	204.04	4,749	19,186
203.53	4,749	16,764	204.05	4,749	19,233
203.54	4,749	16,811	204.06	4,749	19,281
203.55	4,749	16,859	204.07	4,749	19,328
203.56	4,749	16,906	204.08	4,749	19,376
203.57	4,749	16,954	204.09	4,749	19,423
203.58	4,749	17,001	204.10	4,749	19,471
203.59	4,749	17,049	204.11	4,749	19,518
203.60	4,749	17,096	204.12	4,749	19,566
203.61	4,749	17,144	204.13	4,749	19,613
203.62	4,749	17,191	204.14	4,749	19,661
203.63	4,749	17,239	204.15	4,749	19,708

Stage-Area-Storage for Pond B-53: Basin #53 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
204.16	4,749	19,756
204.17	4,749	19,803
204.18	4,749	19,851
204.19	4,749	19,898
204.20	4,749	19,946
204.21	4,749	19,993
204.22	4,749	20,041
204.23	4,749	20,088
204.24	4,749	20,136
204.25	4,749	20,183
204.26	4,749	20,231
204.27	4,749	20,278
204.28	4,749	20,326
204.29	4,749	20,373
204.30	4,749	20,421
204.31	4,749	20,468
204.32	4,749	20,516
204.33	4,749	20,563
204.34	4,749	20,611
204.35	4,749	20,658
204.36	4,749	20,706
204.37	4,749	20,753
204.38	4,749	20,801
204.39	4,749	20,848
204.40	4,749	20,896
204.41	4,749	20,943
204.42	4,749	20,991
204.43	4,749	21,038
204.44	4,749	21,086
204.45	4,749	21,133
204.46	4,749	21,181
204.47	4,749	21,228
204.48	4,749	21,276
204.49	4,749	21,323
204.50	4,749	21,371
204.51	4,749	21,418
204.52	4,749	21,465
204.53	4,749	21,513
204.54	4,749	21,560
204.55	4,749	21,608
204.56	4,749	21,655
204.57	4,749	21,703
204.58	4,749	21,750
204.59	4,749	21,798
204.60	4,749	21,845
204.61	4,749	21,893
204.62	4,749	21,940
204.63	4,749	21,988
204.64	4,749	22,035
204.65	4,749	22,083
204.66	4,749	22,130
204.67	4,749	22,178
204.68	4,749	22,225
204.69	4,749	22,273
204.70	4,749	22,320
204.71	4,749	22,368
204.72	4,749	22,415
204.73	4,749	22,463
204.74	4,749	22,510
204.75	4,749	22,558
204.76	4,749	22,605
204.77	4,749	22,653
204.78	4,749	22,700
204.79	4,749	22,748
204.80	4,749	22,795
204.81	4,749	22,843
204.82	4,749	22,890
204.83	4,749	22,938
204.84	4,749	22,985
204.85	4,749	23,033
204.86	4,749	23,080
204.87	4,749	23,128
204.88	4,749	23,175
204.89	4,749	23,223
204.90	4,749	23,270
204.91	4,749	23,318
204.92	4,749	23,365
204.93	4,749	23,413
204.94	4,749	23,460
204.95	4,749	23,508
204.96	4,749	23,555
204.97	4,749	23,603
204.98	4,749	23,650
204.99	4,749	23,698
205.00	4,749	**23,745**

Summary for Pond B-54: Basin #54

Inflow Area = 2.570 ac, 60.47% Impervious, Inflow Depth = 0.65" for WQ Storm event
Inflow = 4.69 cfs @ 1.05 hrs, Volume= 0.140 af
Outflow = 0.00 cfs @ 2.24 hrs, Volume= 0.001 af, Atten= 100%, Lag= 71.3 min
Primary = 0.00 cfs @ 2.24 hrs, Volume= 0.001 af
Routed to Pond B-51 : Basin #51

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 199.19' @ 2.24 hrs Surf.Area= 5,114 sf Storage= 6,106 cf

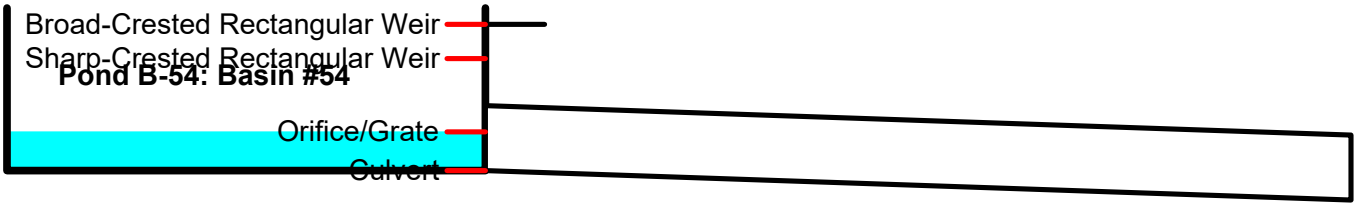
Plug-Flow detention time= 231.9 min calculated for 0.001 af (0% of inflow)
Center-of-Mass det. time= 189.0 min (257.2 - 68.2)

Volume	Invert	Avail.Storage	Storage Description
#1	198.00'	25,570 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

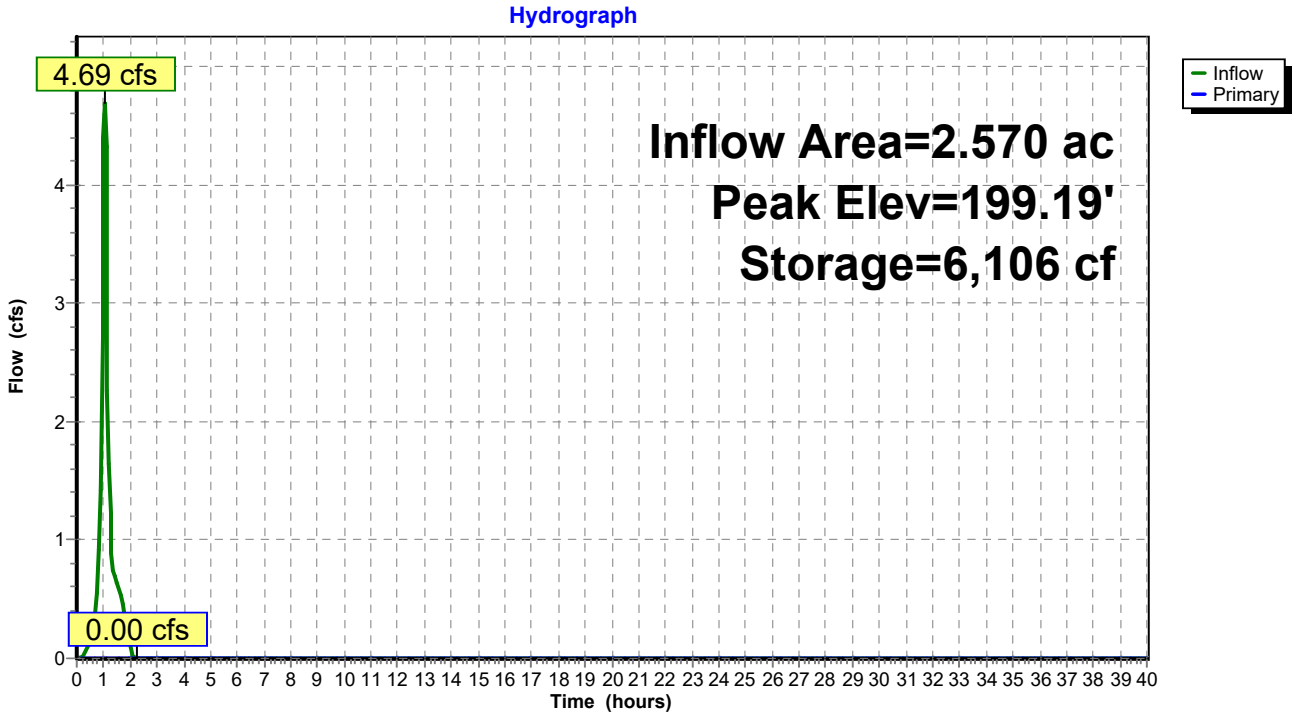
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
198.00	5,114	0	0
199.00	5,114	5,114	5,114
200.00	5,114	5,114	10,228
201.00	5,114	5,114	15,342
202.00	5,114	5,114	20,456
203.00	5,114	5,114	25,570

Device	Routing	Invert	Outlet Devices
#1	Primary	198.00'	**24.0" Round Culvert** L= 73.0' Ke= 0.500 Inlet / Outlet Invert= 198.00' / 197.10' S= 0.0123 '/' Cc= 0.900 n= 0.013, Flow Area= 3.14 sf
#2	Device 1	199.19'	**24.0" W x 4.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	201.45'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	202.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.00 cfs @ 2.24 hrs HW=199.19' (Free Discharge)
- **1=Culvert** (Passes 0.00 cfs of 7.28 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.00 cfs @ 0.20 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-54: Basin #54



Hydrograph for Pond B-54: Basin #54

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	198.00	0.00
0.10	0.00	0	198.00	0.00
0.20	0.00	0	198.00	0.00
0.30	0.00	0	198.00	0.00
0.40	0.07	9	198.00	0.00
0.50	0.16	51	198.01	0.00
0.60	0.30	137	198.03	0.00
0.70	0.38	261	198.05	0.00
0.80	0.67	432	198.08	0.00
0.90	1.42	784	198.15	0.00
1.00	**4.39**	1,796	198.35	0.00
1.10	**4.31**	3,424	198.67	0.00
1.20	1.65	4,369	198.85	0.00
1.30	0.89	4,818	198.94	0.00
1.40	0.70	5,093	199.00	0.00
1.50	0.68	5,342	199.04	0.00
1.60	0.54	5,557	199.09	0.00
1.70	0.53	5,749	199.12	0.00
1.80	0.32	5,920	199.16	0.00
1.90	0.20	6,005	199.17	0.00
2.00	0.18	6,072	199.19	0.00
2.10	0.02	6,103	199.19	0.00
2.20	0.00	**6,106**	**199.19**	**0.00**
2.30	0.00	**6,106**	**199.19**	**0.00**
2.40	0.00	6,105	199.19	0.00
2.50	0.00	6,104	199.19	0.00
2.60	0.00	6,103	199.19	0.00
2.70	0.00	6,103	199.19	0.00
2.80	0.00	6,102	199.19	0.00
2.90	0.00	6,101	199.19	0.00
3.00	0.00	6,100	199.19	0.00
3.10	0.00	6,100	199.19	0.00
3.20	0.00	6,099	199.19	0.00
3.30	0.00	6,099	199.19	0.00
3.40	0.00	6,098	199.19	0.00
3.50	0.00	6,097	199.19	0.00
3.60	0.00	6,097	199.19	0.00
3.70	0.00	6,096	199.19	0.00
3.80	0.00	6,096	199.19	0.00
3.90	0.00	6,095	199.19	0.00
4.00	0.00	6,095	199.19	0.00
4.10	0.00	6,095	199.19	0.00
4.20	0.00	6,094	199.19	0.00
4.30	0.00	6,094	199.19	0.00
4.40	0.00	6,093	199.19	0.00
4.50	0.00	6,093	199.19	0.00
4.60	0.00	6,093	199.19	0.00
4.70	0.00	6,093	199.19	0.00
4.80	0.00	6,092	199.19	0.00
4.90	0.00	6,092	199.19	0.00
5.00	0.00	6,092	199.19	0.00
5.10	0.00	6,091	199.19	0.00

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	6,091	199.19	0.00
5.30	0.00	6,091	199.19	0.00
5.40	0.00	6,091	199.19	0.00
5.50	0.00	6,090	199.19	0.00
5.60	0.00	6,090	199.19	0.00
5.70	0.00	6,090	199.19	0.00
5.80	0.00	6,090	199.19	0.00
5.90	0.00	6,090	199.19	0.00
6.00	0.00	6,089	199.19	0.00
6.10	0.00	6,089	199.19	0.00
6.20	0.00	6,089	199.19	0.00
6.30	0.00	6,089	199.19	0.00
6.40	0.00	6,089	199.19	0.00
6.50	0.00	6,089	199.19	0.00
6.60	0.00	6,089	199.19	0.00
6.70	0.00	6,088	199.19	0.00
6.80	0.00	6,088	199.19	0.00
6.90	0.00	6,088	199.19	0.00
7.00	0.00	6,088	199.19	0.00
7.10	0.00	6,088	199.19	0.00
7.20	0.00	6,088	199.19	0.00
7.30	0.00	6,088	199.19	0.00
7.40	0.00	6,088	199.19	0.00
7.50	0.00	6,088	199.19	0.00
7.60	0.00	6,088	199.19	0.00
7.70	0.00	6,087	199.19	0.00
7.80	0.00	6,087	199.19	0.00
7.90	0.00	6,087	199.19	0.00
8.00	0.00	6,087	199.19	0.00
8.10	0.00	6,087	199.19	0.00
8.20	0.00	6,087	199.19	0.00
8.30	0.00	6,087	199.19	0.00
8.40	0.00	6,087	199.19	0.00
8.50	0.00	6,087	199.19	0.00
8.60	0.00	6,087	199.19	0.00
8.70	0.00	6,087	199.19	0.00
8.80	0.00	6,087	199.19	0.00
8.90	0.00	6,087	199.19	0.00
9.00	0.00	6,087	199.19	0.00
9.10	0.00	6,087	199.19	0.00
9.20	0.00	6,087	199.19	0.00
9.30	0.00	6,087	199.19	0.00
9.40	0.00	6,086	199.19	0.00
9.50	0.00	6,086	199.19	0.00
9.60	0.00	6,086	199.19	0.00
9.70	0.00	6,086	199.19	0.00
9.80	0.00	6,086	199.19	0.00
9.90	0.00	6,086	199.19	0.00
10.00	0.00	6,086	199.19	0.00
10.10	0.00	6,086	199.19	0.00
10.20	0.00	6,086	199.19	0.00
10.30	0.00	6,086	199.19	0.00

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.00	6,086	199.19	0.00
10.50	0.00	6,086	199.19	0.00
10.60	0.00	6,086	199.19	0.00
10.70	0.00	6,086	199.19	0.00
10.80	0.00	6,086	199.19	0.00
10.90	0.00	6,086	199.19	0.00
11.00	0.00	6,086	199.19	0.00
11.10	0.00	6,086	199.19	0.00
11.20	0.00	6,086	199.19	0.00
11.30	0.00	6,086	199.19	0.00
11.40	0.00	6,086	199.19	0.00
11.50	0.00	6,086	199.19	0.00
11.60	0.00	6,086	199.19	0.00
11.70	0.00	6,086	199.19	0.00
11.80	0.00	6,086	199.19	0.00
11.90	0.00	6,086	199.19	0.00
12.00	0.00	6,086	199.19	0.00
12.10	0.00	6,086	199.19	0.00
12.20	0.00	6,086	199.19	0.00
12.30	0.00	6,086	199.19	0.00
12.40	0.00	6,086	199.19	0.00
12.50	0.00	6,086	199.19	0.00
12.60	0.00	6,086	199.19	0.00
12.70	0.00	6,086	199.19	0.00
12.80	0.00	6,086	199.19	0.00
12.90	0.00	6,086	199.19	0.00
13.00	0.00	6,086	199.19	0.00
13.10	0.00	6,086	199.19	0.00
13.20	0.00	6,086	199.19	0.00
13.30	0.00	6,086	199.19	0.00
13.40	0.00	6,086	199.19	0.00
13.50	0.00	6,086	199.19	0.00
13.60	0.00	6,086	199.19	0.00
13.70	0.00	6,086	199.19	0.00
13.80	0.00	6,086	199.19	0.00
13.90	0.00	6,086	199.19	0.00
14.00	0.00	6,086	199.19	0.00
14.10	0.00	6,086	199.19	0.00
14.20	0.00	6,086	199.19	0.00
14.30	0.00	6,086	199.19	0.00
14.40	0.00	6,086	199.19	0.00
14.50	0.00	6,086	199.19	0.00
14.60	0.00	6,086	199.19	0.00
14.70	0.00	6,086	199.19	0.00
14.80	0.00	6,086	199.19	0.00
14.90	0.00	6,086	199.19	0.00
15.00	0.00	6,086	199.19	0.00
15.10	0.00	6,086	199.19	0.00
15.20	0.00	6,086	199.19	0.00
15.30	0.00	6,086	199.19	0.00
15.40	0.00	6,086	199.19	0.00
15.50	0.00	6,086	199.19	0.00

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.00	6,086	199.19	0.00
15.70	0.00	6,086	199.19	0.00
15.80	0.00	6,086	199.19	0.00
15.90	0.00	6,086	199.19	0.00
16.00	0.00	6,086	199.19	0.00
16.10	0.00	6,086	199.19	0.00
16.20	0.00	6,086	199.19	0.00
16.30	0.00	6,086	199.19	0.00
16.40	0.00	6,086	199.19	0.00
16.50	0.00	6,086	199.19	0.00
16.60	0.00	6,086	199.19	0.00
16.70	0.00	6,086	199.19	0.00
16.80	0.00	6,086	199.19	0.00
16.90	0.00	6,086	199.19	0.00
17.00	0.00	6,086	199.19	0.00
17.10	0.00	6,086	199.19	0.00
17.20	0.00	6,086	199.19	0.00
17.30	0.00	6,086	199.19	0.00
17.40	0.00	6,086	199.19	0.00
17.50	0.00	6,086	199.19	0.00
17.60	0.00	6,086	199.19	0.00
17.70	0.00	6,086	199.19	0.00
17.80	0.00	6,086	199.19	0.00
17.90	0.00	6,086	199.19	0.00
18.00	0.00	6,086	199.19	0.00
18.10	0.00	6,086	199.19	0.00
18.20	0.00	6,086	199.19	0.00
18.30	0.00	6,086	199.19	0.00
18.40	0.00	6,086	199.19	0.00
18.50	0.00	6,086	199.19	0.00
18.60	0.00	6,086	199.19	0.00
18.70	0.00	6,086	199.19	0.00
18.80	0.00	6,086	199.19	0.00
18.90	0.00	6,086	199.19	0.00
19.00	0.00	6,086	199.19	0.00
19.10	0.00	6,086	199.19	0.00
19.20	0.00	6,086	199.19	0.00
19.30	0.00	6,086	199.19	0.00
19.40	0.00	6,086	199.19	0.00
19.50	0.00	6,086	199.19	0.00
19.60	0.00	6,086	199.19	0.00
19.70	0.00	6,086	199.19	0.00
19.80	0.00	6,086	199.19	0.00
19.90	0.00	6,086	199.19	0.00
20.00	0.00	6,086	199.19	0.00
20.10	0.00	6,086	199.19	0.00
20.20	0.00	6,086	199.19	0.00
20.30	0.00	6,086	199.19	0.00
20.40	0.00	6,086	199.19	0.00
20.50	0.00	6,086	199.19	0.00
20.60	0.00	6,086	199.19	0.00
20.70	0.00	6,086	199.19	0.00

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.00	6,086	199.19	0.00
20.90	0.00	6,086	199.19	0.00
21.00	0.00	6,086	199.19	0.00
21.10	0.00	6,086	199.19	0.00
21.20	0.00	6,086	199.19	0.00
21.30	0.00	6,086	199.19	0.00
21.40	0.00	6,086	199.19	0.00
21.50	0.00	6,086	199.19	0.00
21.60	0.00	6,086	199.19	0.00
21.70	0.00	6,086	199.19	0.00
21.80	0.00	6,086	199.19	0.00
21.90	0.00	6,086	199.19	0.00
22.00	0.00	6,086	199.19	0.00
22.10	0.00	6,086	199.19	0.00
22.20	0.00	6,086	199.19	0.00
22.30	0.00	6,086	199.19	0.00
22.40	0.00	6,086	199.19	0.00
22.50	0.00	6,086	199.19	0.00
22.60	0.00	6,086	199.19	0.00
22.70	0.00	6,086	199.19	0.00
22.80	0.00	6,086	199.19	0.00
22.90	0.00	6,086	199.19	0.00
23.00	0.00	6,086	199.19	0.00
23.10	0.00	6,086	199.19	0.00
23.20	0.00	6,086	199.19	0.00
23.30	0.00	6,086	199.19	0.00
23.40	0.00	6,086	199.19	0.00
23.50	0.00	6,086	199.19	0.00
23.60	0.00	6,086	199.19	0.00
23.70	0.00	6,086	199.19	0.00
23.80	0.00	6,086	199.19	0.00
23.90	0.00	6,086	199.19	0.00
24.00	0.00	6,086	199.19	0.00
24.10	0.00	6,086	199.19	0.00
24.20	0.00	6,086	199.19	0.00
24.30	0.00	6,086	199.19	0.00
24.40	0.00	6,086	199.19	0.00
24.50	0.00	6,086	199.19	0.00
24.60	0.00	6,086	199.19	0.00
24.70	0.00	6,086	199.19	0.00
24.80	0.00	6,086	199.19	0.00
24.90	0.00	6,086	199.19	0.00
25.00	0.00	6,086	199.19	0.00
25.10	0.00	6,086	199.19	0.00
25.20	0.00	6,086	199.19	0.00
25.30	0.00	6,086	199.19	0.00
25.40	0.00	6,086	199.19	0.00
25.50	0.00	6,086	199.19	0.00
25.60	0.00	6,086	199.19	0.00
25.70	0.00	6,086	199.19	0.00
25.80	0.00	6,086	199.19	0.00
25.90	0.00	6,086	199.19	0.00

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	6,086	199.19	0.00
26.10	0.00	6,086	199.19	0.00
26.20	0.00	6,086	199.19	0.00
26.30	0.00	6,086	199.19	0.00
26.40	0.00	6,086	199.19	0.00
26.50	0.00	6,086	199.19	0.00
26.60	0.00	6,086	199.19	0.00
26.70	0.00	6,086	199.19	0.00
26.80	0.00	6,086	199.19	0.00
26.90	0.00	6,086	199.19	0.00
27.00	0.00	6,086	199.19	0.00
27.10	0.00	6,086	199.19	0.00
27.20	0.00	6,086	199.19	0.00
27.30	0.00	6,086	199.19	0.00
27.40	0.00	6,086	199.19	0.00
27.50	0.00	6,086	199.19	0.00
27.60	0.00	6,086	199.19	0.00
27.70	0.00	6,086	199.19	0.00
27.80	0.00	6,086	199.19	0.00
27.90	0.00	6,086	199.19	0.00
28.00	0.00	6,086	199.19	0.00
28.10	0.00	6,086	199.19	0.00
28.20	0.00	6,086	199.19	0.00
28.30	0.00	6,086	199.19	0.00
28.40	0.00	6,086	199.19	0.00
28.50	0.00	6,086	199.19	0.00
28.60	0.00	6,086	199.19	0.00
28.70	0.00	6,086	199.19	0.00
28.80	0.00	6,086	199.19	0.00
28.90	0.00	6,086	199.19	0.00
29.00	0.00	6,086	199.19	0.00
29.10	0.00	6,086	199.19	0.00
29.20	0.00	6,086	199.19	0.00
29.30	0.00	6,086	199.19	0.00
29.40	0.00	6,086	199.19	0.00
29.50	0.00	6,086	199.19	0.00
29.60	0.00	6,086	199.19	0.00
29.70	0.00	6,086	199.19	0.00
29.80	0.00	6,086	199.19	0.00
29.90	0.00	6,086	199.19	0.00
30.00	0.00	6,086	199.19	0.00
30.10	0.00	6,086	199.19	0.00
30.20	0.00	6,086	199.19	0.00
30.30	0.00	6,086	199.19	0.00
30.40	0.00	6,086	199.19	0.00
30.50	0.00	6,086	199.19	0.00
30.60	0.00	6,086	199.19	0.00
30.70	0.00	6,086	199.19	0.00
30.80	0.00	6,086	199.19	0.00
30.90	0.00	6,086	199.19	0.00
31.00	0.00	6,086	199.19	0.00
31.10	0.00	6,086	199.19	0.00

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	6,086	199.19	0.00
31.30	0.00	6,086	199.19	0.00
31.40	0.00	6,086	199.19	0.00
31.50	0.00	6,086	199.19	0.00
31.60	0.00	6,086	199.19	0.00
31.70	0.00	6,086	199.19	0.00
31.80	0.00	6,086	199.19	0.00
31.90	0.00	6,086	199.19	0.00
32.00	0.00	6,086	199.19	0.00
32.10	0.00	6,086	199.19	0.00
32.20	0.00	6,086	199.19	0.00
32.30	0.00	6,086	199.19	0.00
32.40	0.00	6,086	199.19	0.00
32.50	0.00	6,086	199.19	0.00
32.60	0.00	6,086	199.19	0.00
32.70	0.00	6,086	199.19	0.00
32.80	0.00	6,086	199.19	0.00
32.90	0.00	6,086	199.19	0.00
33.00	0.00	6,086	199.19	0.00
33.10	0.00	6,086	199.19	0.00
33.20	0.00	6,086	199.19	0.00
33.30	0.00	6,086	199.19	0.00
33.40	0.00	6,086	199.19	0.00
33.50	0.00	6,086	199.19	0.00
33.60	0.00	6,086	199.19	0.00
33.70	0.00	6,086	199.19	0.00
33.80	0.00	6,086	199.19	0.00
33.90	0.00	6,086	199.19	0.00
34.00	0.00	6,086	199.19	0.00
34.10	0.00	6,086	199.19	0.00
34.20	0.00	6,086	199.19	0.00
34.30	0.00	6,086	199.19	0.00
34.40	0.00	6,086	199.19	0.00
34.50	0.00	6,086	199.19	0.00
34.60	0.00	6,086	199.19	0.00
34.70	0.00	6,086	199.19	0.00
34.80	0.00	6,086	199.19	0.00
34.90	0.00	6,086	199.19	0.00
35.00	0.00	6,086	199.19	0.00
35.10	0.00	6,086	199.19	0.00
35.20	0.00	6,086	199.19	0.00
35.30	0.00	6,086	199.19	0.00
35.40	0.00	6,086	199.19	0.00
35.50	0.00	6,086	199.19	0.00
35.60	0.00	6,086	199.19	0.00
35.70	0.00	6,086	199.19	0.00
35.80	0.00	6,086	199.19	0.00
35.90	0.00	6,086	199.19	0.00
36.00	0.00	6,086	199.19	0.00
36.10	0.00	6,086	199.19	0.00
36.20	0.00	6,086	199.19	0.00
36.30	0.00	6,086	199.19	0.00

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	6,086	199.19	0.00
36.50	0.00	6,086	199.19	0.00
36.60	0.00	6,086	199.19	0.00
36.70	0.00	6,086	199.19	0.00
36.80	0.00	6,086	199.19	0.00
36.90	0.00	6,086	199.19	0.00
37.00	0.00	6,086	199.19	0.00
37.10	0.00	6,086	199.19	0.00
37.20	0.00	6,086	199.19	0.00
37.30	0.00	6,086	199.19	0.00
37.40	0.00	6,086	199.19	0.00
37.50	0.00	6,086	199.19	0.00
37.60	0.00	6,086	199.19	0.00
37.70	0.00	6,086	199.19	0.00
37.80	0.00	6,086	199.19	0.00
37.90	0.00	6,086	199.19	0.00
38.00	0.00	6,086	199.19	0.00
38.10	0.00	6,086	199.19	0.00
38.20	0.00	6,086	199.19	0.00
38.30	0.00	6,086	199.19	0.00
38.40	0.00	6,086	199.19	0.00
38.50	0.00	6,086	199.19	0.00
38.60	0.00	6,086	199.19	0.00
38.70	0.00	6,086	199.19	0.00
38.80	0.00	6,086	199.19	0.00
38.90	0.00	6,086	199.19	0.00
39.00	0.00	6,086	199.19	0.00
39.10	0.00	6,086	199.19	0.00
39.20	0.00	6,086	199.19	0.00
39.30	0.00	6,086	199.19	0.00
39.40	0.00	6,086	199.19	0.00
39.50	0.00	6,086	199.19	0.00
39.60	0.00	6,086	199.19	0.00
39.70	0.00	6,086	199.19	0.00
39.80	0.00	6,086	199.19	0.00
39.90	0.00	6,086	199.19	0.00
40.00	0.00	6,086	199.19	0.00

Stage-Discharge for Pond B-54: Basin #54

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
198.00	0.00	198.52	0.00	199.04	0.00	199.56	1.40
198.01	0.00	198.53	0.00	199.05	0.00	199.57	1.44
198.02	0.00	198.54	0.00	199.06	0.00	199.58	1.48
198.03	0.00	198.55	0.00	199.07	0.00	199.59	1.51
198.04	0.00	198.56	0.00	199.08	0.00	199.60	1.55
198.05	0.00	198.57	0.00	199.09	0.00	199.61	1.58
198.06	0.00	198.58	0.00	199.10	0.00	199.62	1.62
198.07	0.00	198.59	0.00	199.11	0.00	199.63	1.65
198.08	0.00	198.60	0.00	199.12	0.00	199.64	1.68
198.09	0.00	198.61	0.00	199.13	0.00	199.65	1.71
198.10	0.00	198.62	0.00	199.14	0.00	199.66	1.74
198.11	0.00	198.63	0.00	199.15	0.00	199.67	1.77
198.12	0.00	198.64	0.00	199.16	0.00	199.68	1.80
198.13	0.00	198.65	0.00	199.17	0.00	199.69	1.83
198.14	0.00	198.66	0.00	199.18	0.00	199.70	1.86
198.15	0.00	198.67	0.00	199.19	0.00	199.71	1.89
198.16	0.00	198.68	0.00	199.20	0.01	199.72	1.92
198.17	0.00	198.69	0.00	199.21	0.02	199.73	1.94
198.18	0.00	198.70	0.00	199.22	0.03	199.74	1.97
198.19	0.00	198.71	0.00	199.23	0.05	199.75	2.00
198.20	0.00	198.72	0.00	199.24	0.07	199.76	2.02
198.21	0.00	198.73	0.00	199.25	0.09	199.77	2.05
198.22	0.00	198.74	0.00	199.26	0.12	199.78	2.07
198.23	0.00	198.75	0.00	199.27	0.15	199.79	2.10
198.24	0.00	198.76	0.00	199.28	0.17	199.80	2.12
198.25	0.00	198.77	0.00	199.29	0.20	199.81	2.15
198.26	0.00	198.78	0.00	199.30	0.23	199.82	2.17
198.27	0.00	198.79	0.00	199.31	0.27	199.83	2.20
198.28	0.00	198.80	0.00	199.32	0.30	199.84	2.22
198.29	0.00	198.81	0.00	199.33	0.34	199.85	2.24
198.30	0.00	198.82	0.00	199.34	0.37	199.86	2.27
198.31	0.00	198.83	0.00	199.35	0.41	199.87	2.29
198.32	0.00	198.84	0.00	199.36	0.45	199.88	2.31
198.33	0.00	198.85	0.00	199.37	0.49	199.89	2.33
198.34	0.00	198.86	0.00	199.38	0.53	199.90	2.36
198.35	0.00	198.87	0.00	199.39	0.57	199.91	2.38
198.36	0.00	198.88	0.00	199.40	0.62	199.92	2.40
198.37	0.00	198.89	0.00	199.41	0.66	199.93	2.42
198.38	0.00	198.90	0.00	199.42	0.71	199.94	2.44
198.39	0.00	198.91	0.00	199.43	0.75	199.95	2.46
198.40	0.00	198.92	0.00	199.44	0.80	199.96	2.49
198.41	0.00	198.93	0.00	199.45	0.85	199.97	2.51
198.42	0.00	198.94	0.00	199.46	0.90	199.98	2.53
198.43	0.00	198.95	0.00	199.47	0.95	199.99	2.55
198.44	0.00	198.96	0.00	199.48	1.00	200.00	2.57
198.45	0.00	198.97	0.00	199.49	1.05	200.01	2.59
198.46	0.00	198.98	0.00	199.50	1.11	200.02	2.61
198.47	0.00	198.99	0.00	199.51	1.16	200.03	2.63
198.48	0.00	199.00	0.00	199.52	1.22	200.04	2.65
198.49	0.00	199.01	0.00	199.53	1.27	200.05	2.67
198.50	0.00	199.02	0.00	199.54	1.32	200.06	2.69
198.51	0.00	199.03	0.00	199.55	1.36	200.07	2.70

Stage-Discharge for Pond B-54: Basin #54 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
200.08	2.72	200.60	3.58	201.12	4.26	201.64	5.92
200.09	2.74	200.61	3.59	201.13	4.27	201.65	6.02
200.10	2.76	200.62	3.61	201.14	4.29	201.66	6.12
200.11	2.78	200.63	3.62	201.15	4.30	201.67	6.22
200.12	2.80	200.64	3.63	201.16	4.31	201.68	6.32
200.13	2.82	200.65	3.65	201.17	4.32	201.69	6.42
200.14	2.84	200.66	3.66	201.18	4.33	201.70	6.53
200.15	2.85	200.67	3.68	201.19	4.34	201.71	6.63
200.16	2.87	200.68	3.69	201.20	4.36	201.72	6.74
200.17	2.89	200.69	3.70	201.21	4.37	201.73	6.85
200.18	2.91	200.70	3.72	201.22	4.38	201.74	6.97
200.19	2.93	200.71	3.73	201.23	4.39	201.75	7.08
200.20	2.94	200.72	3.75	201.24	4.40	201.76	7.20
200.21	2.96	200.73	3.76	201.25	4.42	201.77	7.32
200.22	2.98	200.74	3.77	201.26	4.43	201.78	7.43
200.23	3.00	200.75	3.79	201.27	4.44	201.79	7.56
200.24	3.01	200.76	3.80	201.28	4.45	201.80	7.68
200.25	3.03	200.77	3.81	201.29	4.46	201.81	7.80
200.26	3.05	200.78	3.83	201.30	4.47	201.82	7.93
200.27	3.06	200.79	3.84	201.31	4.48	201.83	8.05
200.28	3.08	200.80	3.85	201.32	4.50	201.84	8.18
200.29	3.10	200.81	3.87	201.33	4.51	201.85	8.31
200.30	3.11	200.82	3.88	201.34	4.52	201.86	8.44
200.31	3.13	200.83	3.89	201.35	4.53	201.87	8.57
200.32	3.15	200.84	3.91	201.36	4.54	201.88	8.71
200.33	3.16	200.85	3.92	201.37	4.55	201.89	8.84
200.34	3.18	200.86	3.93	201.38	4.56	201.90	8.98
200.35	3.20	200.87	3.95	201.39	4.58	201.91	9.12
200.36	3.21	200.88	3.96	201.40	4.59	201.92	9.25
200.37	3.23	200.89	3.97	201.41	4.60	201.93	9.39
200.38	3.24	200.90	3.99	201.42	4.61	201.94	9.53
200.39	3.26	200.91	4.00	201.43	4.62	201.95	9.68
200.40	3.28	200.92	4.01	201.44	4.63	201.96	9.82
200.41	3.29	200.93	4.02	201.45	4.64	201.97	9.97
200.42	3.31	200.94	4.04	201.46	4.67	201.98	10.11
200.43	3.32	200.95	4.05	201.47	4.70	201.99	10.26
200.44	3.34	200.96	4.06	201.48	4.74	202.00	10.41
200.45	3.35	200.97	4.08	201.49	4.79	202.01	10.56
200.46	3.37	200.98	4.09	201.50	4.84	202.02	10.71
200.47	3.38	200.99	4.10	201.51	4.90	202.03	10.86
200.48	3.40	201.00	4.11	201.52	4.96	202.04	11.01
200.49	3.41	201.01	4.13	201.53	5.03	202.05	11.16
200.50	3.43	201.02	4.14	201.54	5.09	202.06	11.32
200.51	3.44	201.03	4.15	201.55	5.16	202.07	11.47
200.52	3.46	201.04	4.16	201.56	5.24	202.08	11.63
200.53	3.47	201.05	4.18	201.57	5.31	202.09	11.79
200.54	3.49	201.06	4.19	201.58	5.39	202.10	11.95
200.55	3.50	201.07	4.20	201.59	5.48	202.11	12.11
200.56	3.52	201.08	4.21	201.60	5.56	202.12	12.27
200.57	3.53	201.09	4.22	201.61	5.65	202.13	12.43
200.58	3.55	201.10	4.24	201.62	5.74	202.14	12.59
200.59	3.56	201.11	4.25	201.63	5.83	202.15	12.76

Stage-Discharge for Pond B-54: Basin #54 (continued)

Elevation (feet)	Primary (cfs)
202.16	12.92
202.17	13.09
202.18	13.25
202.19	13.42
202.20	13.59
202.21	13.76
202.22	13.93
202.23	14.10
202.24	14.27
202.25	14.44
202.26	14.62
202.27	14.79
202.28	14.97
202.29	15.14
202.30	15.32
202.31	15.50
202.32	15.68
202.33	15.86
202.34	16.04
202.35	16.22
202.36	16.40
202.37	16.58
202.38	16.77
202.39	16.95
202.40	17.14
202.41	17.32
202.42	17.51
202.43	17.69
202.44	17.88
202.45	18.07
202.46	18.26
202.47	18.45
202.48	18.64
202.49	18.83
202.50	19.02
202.51	19.33
202.52	19.74
202.53	20.21
202.54	20.74
202.55	21.31
202.56	21.92
202.57	22.56
202.58	23.24
202.59	23.96
202.60	24.70
202.61	25.47
202.62	26.27
202.63	27.10
202.64	27.96
202.65	28.83
202.66	29.74
202.67	30.66
202.68	31.61
202.69	32.58
202.70	33.57
202.71	34.62
202.72	35.70
202.73	36.81
202.74	37.94
202.75	39.09
202.76	40.28
202.77	41.48
202.78	42.72
202.79	43.97
202.80	45.26
202.81	46.56
202.82	47.90
202.83	49.26
202.84	50.64
202.85	52.05
202.86	53.48
202.87	54.94
202.88	56.42
202.89	57.92
202.90	59.45
202.91	61.04
202.92	62.65
202.93	64.28
202.94	65.94
202.95	67.63
202.96	69.35
202.97	71.09
202.98	72.86
202.99	74.65
203.00	**76.48**

Stage-Area-Storage for Pond B-54: Basin #54

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
198.00	**5,114**	0	198.52	5,114	2,659
198.01	5,114	51	198.53	5,114	2,710
198.02	5,114	102	198.54	5,114	2,762
198.03	5,114	153	198.55	5,114	2,813
198.04	5,114	205	198.56	5,114	2,864
198.05	5,114	256	198.57	5,114	2,915
198.06	5,114	307	198.58	5,114	2,966
198.07	5,114	358	198.59	5,114	3,017
198.08	5,114	409	198.60	5,114	3,068
198.09	5,114	460	198.61	5,114	3,120
198.10	5,114	511	198.62	5,114	3,171
198.11	5,114	563	198.63	5,114	3,222
198.12	5,114	614	198.64	5,114	3,273
198.13	5,114	665	198.65	5,114	3,324
198.14	5,114	716	198.66	5,114	3,375
198.15	5,114	767	198.67	5,114	3,426
198.16	5,114	818	198.68	5,114	3,478
198.17	5,114	869	198.69	5,114	3,529
198.18	5,114	921	198.70	5,114	3,580
198.19	5,114	972	198.71	5,114	3,631
198.20	5,114	1,023	198.72	5,114	3,682
198.21	5,114	1,074	198.73	5,114	3,733
198.22	5,114	1,125	198.74	5,114	3,784
198.23	5,114	1,176	198.75	5,114	3,836
198.24	5,114	1,227	198.76	5,114	3,887
198.25	5,114	1,279	198.77	5,114	3,938
198.26	5,114	1,330	198.78	5,114	3,989
198.27	5,114	1,381	198.79	5,114	4,040
198.28	5,114	1,432	198.80	5,114	4,091
198.29	5,114	1,483	198.81	5,114	4,142
198.30	5,114	1,534	198.82	5,114	4,193
198.31	5,114	1,585	198.83	5,114	4,245
198.32	5,114	1,636	198.84	5,114	4,296
198.33	5,114	1,688	198.85	5,114	4,347
198.34	5,114	1,739	198.86	5,114	4,398
198.35	5,114	1,790	198.87	5,114	4,449
198.36	5,114	1,841	198.88	5,114	4,500
198.37	5,114	1,892	198.89	5,114	4,551
198.38	5,114	1,943	198.90	5,114	4,603
198.39	5,114	1,994	198.91	5,114	4,654
198.40	5,114	2,046	198.92	5,114	4,705
198.41	5,114	2,097	198.93	5,114	4,756
198.42	5,114	2,148	198.94	5,114	4,807
198.43	5,114	2,199	198.95	5,114	4,858
198.44	5,114	2,250	198.96	5,114	4,909
198.45	5,114	2,301	198.97	5,114	4,961
198.46	5,114	2,352	198.98	5,114	5,012
198.47	5,114	2,404	198.99	5,114	5,063
198.48	5,114	2,455	199.00	5,114	5,114
198.49	5,114	2,506	199.01	5,114	5,165
198.50	5,114	2,557	199.02	5,114	5,216
198.51	5,114	2,608	199.03	5,114	5,267

Stage-Area-Storage for Pond B-54: Basin #54 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
199.04	5,114	5,319	199.56	5,114	7,978
199.05	5,114	5,370	199.57	5,114	8,029
199.06	5,114	5,421	199.58	5,114	8,080
199.07	5,114	5,472	199.59	5,114	8,131
199.08	5,114	5,523	199.60	5,114	8,182
199.09	5,114	5,574	199.61	5,114	8,234
199.10	5,114	5,625	199.62	5,114	8,285
199.11	5,114	5,677	199.63	5,114	8,336
199.12	5,114	5,728	199.64	5,114	8,387
199.13	5,114	5,779	199.65	5,114	8,438
199.14	5,114	5,830	199.66	5,114	8,489
199.15	5,114	5,881	199.67	5,114	8,540
199.16	5,114	5,932	199.68	5,114	8,592
199.17	5,114	5,983	199.69	5,114	8,643
199.18	5,114	6,035	199.70	5,114	8,694
199.19	5,114	6,086	199.71	5,114	8,745
199.20	5,114	6,137	199.72	5,114	8,796
199.21	5,114	6,188	199.73	5,114	8,847
199.22	5,114	6,239	199.74	5,114	8,898
199.23	5,114	6,290	199.75	5,114	8,950
199.24	5,114	6,341	199.76	5,114	9,001
199.25	5,114	6,393	199.77	5,114	9,052
199.26	5,114	6,444	199.78	5,114	9,103
199.27	5,114	6,495	199.79	5,114	9,154
199.28	5,114	6,546	199.80	5,114	9,205
199.29	5,114	6,597	199.81	5,114	9,256
199.30	5,114	6,648	199.82	5,114	9,307
199.31	5,114	6,699	199.83	5,114	9,359
199.32	5,114	6,750	199.84	5,114	9,410
199.33	5,114	6,802	199.85	5,114	9,461
199.34	5,114	6,853	199.86	5,114	9,512
199.35	5,114	6,904	199.87	5,114	9,563
199.36	5,114	6,955	199.88	5,114	9,614
199.37	5,114	7,006	199.89	5,114	9,665
199.38	5,114	7,057	199.90	5,114	9,717
199.39	5,114	7,108	199.91	5,114	9,768
199.40	5,114	7,160	199.92	5,114	9,819
199.41	5,114	7,211	199.93	5,114	9,870
199.42	5,114	7,262	199.94	5,114	9,921
199.43	5,114	7,313	199.95	5,114	9,972
199.44	5,114	7,364	199.96	5,114	10,023
199.45	5,114	7,415	199.97	5,114	10,075
199.46	5,114	7,466	199.98	5,114	10,126
199.47	5,114	7,518	199.99	5,114	10,177
199.48	5,114	7,569	200.00	5,114	10,228
199.49	5,114	7,620	200.01	5,114	10,279
199.50	5,114	7,671	200.02	5,114	10,330
199.51	5,114	7,722	200.03	5,114	10,381
199.52	5,114	7,773	200.04	5,114	10,433
199.53	5,114	7,824	200.05	5,114	10,484
199.54	5,114	7,876	200.06	5,114	10,535
199.55	5,114	7,927	200.07	5,114	10,586

Stage-Area-Storage for Pond B-54: Basin #54 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
200.08	5,114	10,637	200.60	5,114	13,296
200.09	5,114	10,688	200.61	5,114	13,348
200.10	5,114	10,739	200.62	5,114	13,399
200.11	5,114	10,791	200.63	5,114	13,450
200.12	5,114	10,842	200.64	5,114	13,501
200.13	5,114	10,893	200.65	5,114	13,552
200.14	5,114	10,944	200.66	5,114	13,603
200.15	5,114	10,995	200.67	5,114	13,654
200.16	5,114	11,046	200.68	5,114	13,706
200.17	5,114	11,097	200.69	5,114	13,757
200.18	5,114	11,149	200.70	5,114	13,808
200.19	5,114	11,200	200.71	5,114	13,859
200.20	5,114	11,251	200.72	5,114	13,910
200.21	5,114	11,302	200.73	5,114	13,961
200.22	5,114	11,353	200.74	5,114	14,012
200.23	5,114	11,404	200.75	5,114	14,064
200.24	5,114	11,455	200.76	5,114	14,115
200.25	5,114	11,507	200.77	5,114	14,166
200.26	5,114	11,558	200.78	5,114	14,217
200.27	5,114	11,609	200.79	5,114	14,268
200.28	5,114	11,660	200.80	5,114	14,319
200.29	5,114	11,711	200.81	5,114	14,370
200.30	5,114	11,762	200.82	5,114	14,421
200.31	5,114	11,813	200.83	5,114	14,473
200.32	5,114	11,864	200.84	5,114	14,524
200.33	5,114	11,916	200.85	5,114	14,575
200.34	5,114	11,967	200.86	5,114	14,626
200.35	5,114	12,018	200.87	5,114	14,677
200.36	5,114	12,069	200.88	5,114	14,728
200.37	5,114	12,120	200.89	5,114	14,779
200.38	5,114	12,171	200.90	5,114	14,831
200.39	5,114	12,222	200.91	5,114	14,882
200.40	5,114	12,274	200.92	5,114	14,933
200.41	5,114	12,325	200.93	5,114	14,984
200.42	5,114	12,376	200.94	5,114	15,035
200.43	5,114	12,427	200.95	5,114	15,086
200.44	5,114	12,478	200.96	5,114	15,137
200.45	5,114	12,529	200.97	5,114	15,189
200.46	5,114	12,580	200.98	5,114	15,240
200.47	5,114	12,632	200.99	5,114	15,291
200.48	5,114	12,683	201.00	5,114	15,342
200.49	5,114	12,734	201.01	5,114	15,393
200.50	5,114	12,785	201.02	5,114	15,444
200.51	5,114	12,836	201.03	5,114	15,495
200.52	5,114	12,887	201.04	5,114	15,547
200.53	5,114	12,938	201.05	5,114	15,598
200.54	5,114	12,990	201.06	5,114	15,649
200.55	5,114	13,041	201.07	5,114	15,700
200.56	5,114	13,092	201.08	5,114	15,751
200.57	5,114	13,143	201.09	5,114	15,802
200.58	5,114	13,194	201.10	5,114	15,853
200.59	5,114	13,245	201.11	5,114	15,905

Stage-Area-Storage for Pond B-54: Basin #54 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
201.12	5,114	15,956	201.64	5,114	18,615
201.13	5,114	16,007	201.65	5,114	18,666
201.14	5,114	16,058	201.66	5,114	18,717
201.15	5,114	16,109	201.67	5,114	18,768
201.16	5,114	16,160	201.68	5,114	18,820
201.17	5,114	16,211	201.69	5,114	18,871
201.18	5,114	16,263	201.70	5,114	18,922
201.19	5,114	16,314	201.71	5,114	18,973
201.20	5,114	16,365	201.72	5,114	19,024
201.21	5,114	16,416	201.73	5,114	19,075
201.22	5,114	16,467	201.74	5,114	19,126
201.23	5,114	16,518	201.75	5,114	19,178
201.24	5,114	16,569	201.76	5,114	19,229
201.25	5,114	16,621	201.77	5,114	19,280
201.26	5,114	16,672	201.78	5,114	19,331
201.27	5,114	16,723	201.79	5,114	19,382
201.28	5,114	16,774	201.80	5,114	19,433
201.29	5,114	16,825	201.81	5,114	19,484
201.30	5,114	16,876	201.82	5,114	19,535
201.31	5,114	16,927	201.83	5,114	19,587
201.32	5,114	16,978	201.84	5,114	19,638
201.33	5,114	17,030	201.85	5,114	19,689
201.34	5,114	17,081	201.86	5,114	19,740
201.35	5,114	17,132	201.87	5,114	19,791
201.36	5,114	17,183	201.88	5,114	19,842
201.37	5,114	17,234	201.89	5,114	19,893
201.38	5,114	17,285	201.90	5,114	19,945
201.39	5,114	17,336	201.91	5,114	19,996
201.40	5,114	17,388	201.92	5,114	20,047
201.41	5,114	17,439	201.93	5,114	20,098
201.42	5,114	17,490	201.94	5,114	20,149
201.43	5,114	17,541	201.95	5,114	20,200
201.44	5,114	17,592	201.96	5,114	20,251
201.45	5,114	17,643	201.97	5,114	20,303
201.46	5,114	17,694	201.98	5,114	20,354
201.47	5,114	17,746	201.99	5,114	20,405
201.48	5,114	17,797	202.00	5,114	20,456
201.49	5,114	17,848	202.01	5,114	20,507
201.50	5,114	17,899	202.02	5,114	20,558
201.51	5,114	17,950	202.03	5,114	20,609
201.52	5,114	18,001	202.04	5,114	20,661
201.53	5,114	18,052	202.05	5,114	20,712
201.54	5,114	18,104	202.06	5,114	20,763
201.55	5,114	18,155	202.07	5,114	20,814
201.56	5,114	18,206	202.08	5,114	20,865
201.57	5,114	18,257	202.09	5,114	20,916
201.58	5,114	18,308	202.10	5,114	20,967
201.59	5,114	18,359	202.11	5,114	21,019
201.60	5,114	18,410	202.12	5,114	21,070
201.61	5,114	18,462	202.13	5,114	21,121
201.62	5,114	18,513	202.14	5,114	21,172
201.63	5,114	18,564	202.15	5,114	21,223

Stage-Area-Storage for Pond B-54: Basin #54 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
202.16	5,114	21,274
202.17	5,114	21,325
202.18	5,114	21,377
202.19	5,114	21,428
202.20	5,114	21,479
202.21	5,114	21,530
202.22	5,114	21,581
202.23	5,114	21,632
202.24	5,114	21,683
202.25	5,114	21,735
202.26	5,114	21,786
202.27	5,114	21,837
202.28	5,114	21,888
202.29	5,114	21,939
202.30	5,114	21,990
202.31	5,114	22,041
202.32	5,114	22,092
202.33	5,114	22,144
202.34	5,114	22,195
202.35	5,114	22,246
202.36	5,114	22,297
202.37	5,114	22,348
202.38	5,114	22,399
202.39	5,114	22,450
202.40	5,114	22,502
202.41	5,114	22,553
202.42	5,114	22,604
202.43	5,114	22,655
202.44	5,114	22,706
202.45	5,114	22,757
202.46	5,114	22,808
202.47	5,114	22,860
202.48	5,114	22,911
202.49	5,114	22,962
202.50	5,114	23,013
202.51	5,114	23,064
202.52	5,114	23,115
202.53	5,114	23,166
202.54	5,114	23,218
202.55	5,114	23,269
202.56	5,114	23,320
202.57	5,114	23,371
202.58	5,114	23,422
202.59	5,114	23,473
202.60	5,114	23,524
202.61	5,114	23,576
202.62	5,114	23,627
202.63	5,114	23,678
202.64	5,114	23,729
202.65	5,114	23,780
202.66	5,114	23,831
202.67	5,114	23,882
202.68	5,114	23,934
202.69	5,114	23,985
202.70	5,114	24,036
202.71	5,114	24,087
202.72	5,114	24,138
202.73	5,114	24,189
202.74	5,114	24,240
202.75	5,114	24,292
202.76	5,114	24,343
202.77	5,114	24,394
202.78	5,114	24,445
202.79	5,114	24,496
202.80	5,114	24,547
202.81	5,114	24,598
202.82	5,114	24,649
202.83	5,114	24,701
202.84	5,114	24,752
202.85	5,114	24,803
202.86	5,114	24,854
202.87	5,114	24,905
202.88	5,114	24,956
202.89	5,114	25,007
202.90	5,114	25,059
202.91	5,114	25,110
202.92	5,114	25,161
202.93	5,114	25,212
202.94	5,114	25,263
202.95	5,114	25,314
202.96	5,114	25,365
202.97	5,114	25,417
202.98	5,114	25,468
202.99	5,114	25,519
203.00	5,114	**25,570**

Summary for Pond B-55: Basin #55

Inflow Area = 2.301 ac, 47.33% Impervious, Inflow Depth = 0.53" for WQ Storm event
Inflow = 3.51 cfs @ 1.08 hrs, Volume= 0.101 af
Outflow = 0.00 cfs @ 2.13 hrs, Volume= 0.000 af, Atten= 100%, Lag= 63.4 min
Primary = 0.00 cfs @ 2.13 hrs, Volume= 0.000 af
Routed to Pond B-51 : Basin #51

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 192.98' @ 2.13 hrs Surf.Area= 4,737 sf Storage= 4,414 cf

Plug-Flow detention time= 195.0 min calculated for 0.000 af (0% of inflow)
Center-of-Mass det. time= 149.2 min (217.9 - 68.7)

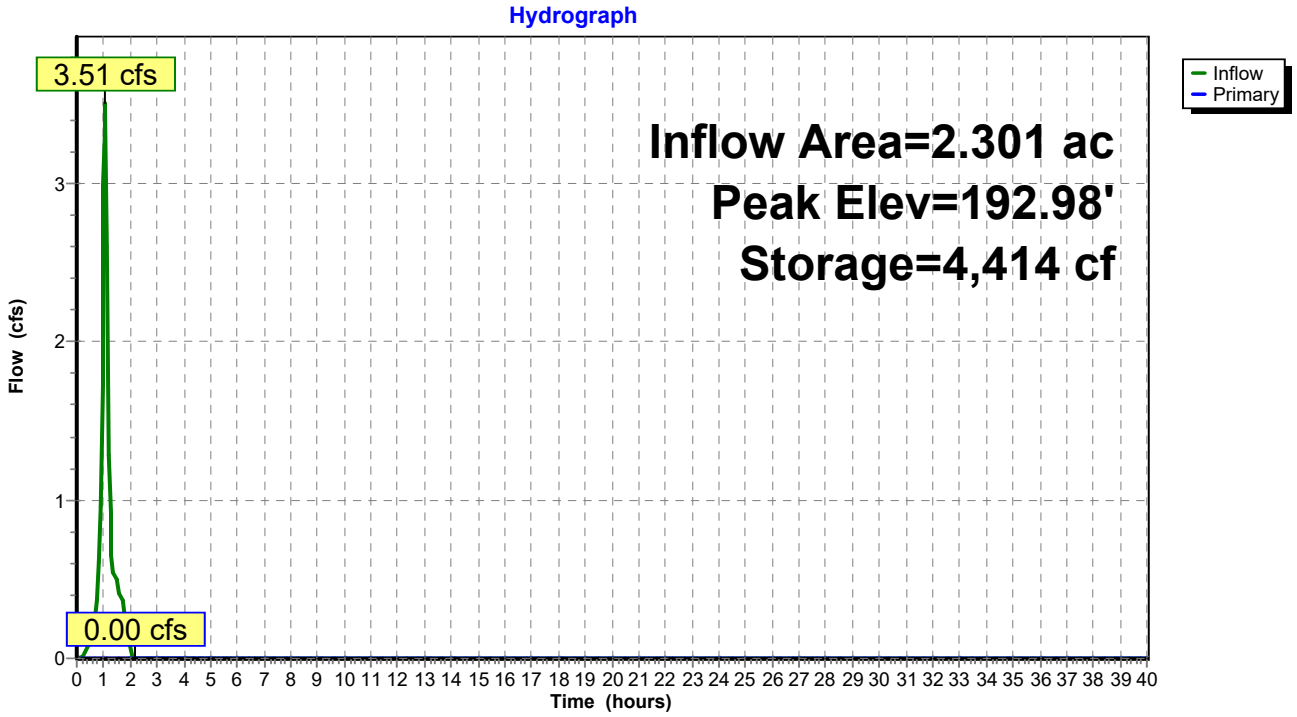
Volume	Invert	Avail.Storage	Storage Description
#1	192.00'	21,076 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
192.00	4,250	0	0
193.00	4,746	4,498	4,498
194.00	5,257	5,002	9,500
195.00	5,784	5,521	15,020
196.00	6,327	6,056	21,076

Device	Routing	Invert	Outlet Devices
#1	Primary	191.65'	**18.0" Round Culvert** L= 112.0' Ke= 0.500 Inlet / Outlet Invert= 191.65' / 191.00' S= 0.0058 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	192.98'	**22.0" W x 2.5" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	193.82'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	195.45'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.00 cfs @ 2.13 hrs HW=192.98' (Free Discharge)
- **1=Culvert** (Passes 0.00 cfs of 5.59 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.00 cfs @ 0.15 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

Pond B-55: Basin #55



Hydrograph for Pond B-55: Basin #55

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	192.00	0.00
0.10	0.00	0	192.00	0.00
0.20	0.00	0	192.00	0.00
0.30	0.00	0	192.00	0.00
0.40	0.04	6	192.00	0.00
0.50	0.11	34	192.01	0.00
0.60	0.21	91	192.02	0.00
0.70	0.26	177	192.04	0.00
0.80	0.44	293	192.07	0.00
0.90	0.96	530	192.12	0.00
1.00	2.99	1,197	192.28	0.00
1.10	**3.33**	2,363	192.54	0.00
1.20	1.29	3,114	192.70	0.00
1.30	0.66	3,455	192.78	0.00
1.40	0.52	3,658	192.82	0.00
1.50	0.52	3,845	192.86	0.00
1.60	0.41	4,009	192.90	0.00
1.70	0.41	4,155	192.93	0.00
1.80	0.23	4,285	192.95	0.00
1.90	0.14	4,344	192.97	0.00
2.00	0.13	4,393	192.98	0.00
2.10	0.00	**4,414**	**192.98**	**0.00**
2.20	0.00	**4,413**	**192.98**	**0.00**
2.30	0.00	4,413	192.98	0.00
2.40	0.00	4,412	192.98	0.00
2.50	0.00	4,412	192.98	0.00
2.60	0.00	4,411	192.98	0.00
2.70	0.00	4,411	192.98	0.00
2.80	0.00	4,410	192.98	0.00
2.90	0.00	4,410	192.98	0.00
3.00	0.00	4,409	192.98	0.00
3.10	0.00	4,409	192.98	0.00
3.20	0.00	4,409	192.98	0.00
3.30	0.00	4,408	192.98	0.00
3.40	0.00	4,408	192.98	0.00
3.50	0.00	4,408	192.98	0.00
3.60	0.00	4,407	192.98	0.00
3.70	0.00	4,407	192.98	0.00
3.80	0.00	4,407	192.98	0.00
3.90	0.00	4,407	192.98	0.00
4.00	0.00	4,406	192.98	0.00
4.10	0.00	4,406	192.98	0.00
4.20	0.00	4,406	192.98	0.00
4.30	0.00	4,406	192.98	0.00
4.40	0.00	4,406	192.98	0.00
4.50	0.00	4,406	192.98	0.00
4.60	0.00	4,405	192.98	0.00
4.70	0.00	4,405	192.98	0.00
4.80	0.00	4,405	192.98	0.00
4.90	0.00	4,405	192.98	0.00
5.00	0.00	4,405	192.98	0.00
5.10	0.00	4,405	192.98	0.00

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	4,405	192.98	0.00
5.30	0.00	4,405	192.98	0.00
5.40	0.00	4,405	192.98	0.00
5.50	0.00	4,404	192.98	0.00
5.60	0.00	4,404	192.98	0.00
5.70	0.00	4,404	192.98	0.00
5.80	0.00	4,404	192.98	0.00
5.90	0.00	4,404	192.98	0.00
6.00	0.00	4,404	192.98	0.00
6.10	0.00	4,404	192.98	0.00
6.20	0.00	4,404	192.98	0.00
6.30	0.00	4,404	192.98	0.00
6.40	0.00	4,404	192.98	0.00
6.50	0.00	4,404	192.98	0.00
6.60	0.00	4,404	192.98	0.00
6.70	0.00	4,404	192.98	0.00
6.80	0.00	4,404	192.98	0.00
6.90	0.00	4,404	192.98	0.00
7.00	0.00	4,404	192.98	0.00
7.10	0.00	4,404	192.98	0.00
7.20	0.00	4,404	192.98	0.00
7.30	0.00	4,404	192.98	0.00
7.40	0.00	4,404	192.98	0.00
7.50	0.00	4,404	192.98	0.00
7.60	0.00	4,404	192.98	0.00
7.70	0.00	4,403	192.98	0.00
7.80	0.00	4,403	192.98	0.00
7.90	0.00	4,403	192.98	0.00
8.00	0.00	4,403	192.98	0.00
8.10	0.00	4,403	192.98	0.00
8.20	0.00	4,403	192.98	0.00
8.30	0.00	4,403	192.98	0.00
8.40	0.00	4,403	192.98	0.00
8.50	0.00	4,403	192.98	0.00
8.60	0.00	4,403	192.98	0.00
8.70	0.00	4,403	192.98	0.00
8.80	0.00	4,403	192.98	0.00
8.90	0.00	4,403	192.98	0.00
9.00	0.00	4,403	192.98	0.00
9.10	0.00	4,403	192.98	0.00
9.20	0.00	4,403	192.98	0.00
9.30	0.00	4,403	192.98	0.00
9.40	0.00	4,403	192.98	0.00
9.50	0.00	4,403	192.98	0.00
9.60	0.00	4,403	192.98	0.00
9.70	0.00	4,403	192.98	0.00
9.80	0.00	4,403	192.98	0.00
9.90	0.00	4,403	192.98	0.00
10.00	0.00	4,403	192.98	0.00
10.10	0.00	4,403	192.98	0.00
10.20	0.00	4,403	192.98	0.00
10.30	0.00	4,403	192.98	0.00

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.00	4,403	192.98	0.00
10.50	0.00	4,403	192.98	0.00
10.60	0.00	4,403	192.98	0.00
10.70	0.00	4,403	192.98	0.00
10.80	0.00	4,403	192.98	0.00
10.90	0.00	4,403	192.98	0.00
11.00	0.00	4,403	192.98	0.00
11.10	0.00	4,403	192.98	0.00
11.20	0.00	4,403	192.98	0.00
11.30	0.00	4,403	192.98	0.00
11.40	0.00	4,403	192.98	0.00
11.50	0.00	4,403	192.98	0.00
11.60	0.00	4,403	192.98	0.00
11.70	0.00	4,403	192.98	0.00
11.80	0.00	4,403	192.98	0.00
11.90	0.00	4,403	192.98	0.00
12.00	0.00	4,403	192.98	0.00
12.10	0.00	4,403	192.98	0.00
12.20	0.00	4,403	192.98	0.00
12.30	0.00	4,403	192.98	0.00
12.40	0.00	4,403	192.98	0.00
12.50	0.00	4,403	192.98	0.00
12.60	0.00	4,403	192.98	0.00
12.70	0.00	4,403	192.98	0.00
12.80	0.00	4,403	192.98	0.00
12.90	0.00	4,403	192.98	0.00
13.00	0.00	4,403	192.98	0.00
13.10	0.00	4,403	192.98	0.00
13.20	0.00	4,403	192.98	0.00
13.30	0.00	4,403	192.98	0.00
13.40	0.00	4,403	192.98	0.00
13.50	0.00	4,403	192.98	0.00
13.60	0.00	4,403	192.98	0.00
13.70	0.00	4,403	192.98	0.00
13.80	0.00	4,403	192.98	0.00
13.90	0.00	4,403	192.98	0.00
14.00	0.00	4,403	192.98	0.00
14.10	0.00	4,403	192.98	0.00
14.20	0.00	4,403	192.98	0.00
14.30	0.00	4,403	192.98	0.00
14.40	0.00	4,403	192.98	0.00
14.50	0.00	4,403	192.98	0.00
14.60	0.00	4,403	192.98	0.00
14.70	0.00	4,403	192.98	0.00
14.80	0.00	4,403	192.98	0.00
14.90	0.00	4,403	192.98	0.00
15.00	0.00	4,403	192.98	0.00
15.10	0.00	4,403	192.98	0.00
15.20	0.00	4,403	192.98	0.00
15.30	0.00	4,403	192.98	0.00
15.40	0.00	4,403	192.98	0.00
15.50	0.00	4,403	192.98	0.00

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.00	4,403	192.98	0.00
15.70	0.00	4,403	192.98	0.00
15.80	0.00	4,403	192.98	0.00
15.90	0.00	4,403	192.98	0.00
16.00	0.00	4,403	192.98	0.00
16.10	0.00	4,403	192.98	0.00
16.20	0.00	4,403	192.98	0.00
16.30	0.00	4,403	192.98	0.00
16.40	0.00	4,403	192.98	0.00
16.50	0.00	4,403	192.98	0.00
16.60	0.00	4,403	192.98	0.00
16.70	0.00	4,403	192.98	0.00
16.80	0.00	4,403	192.98	0.00
16.90	0.00	4,403	192.98	0.00
17.00	0.00	4,403	192.98	0.00
17.10	0.00	4,403	192.98	0.00
17.20	0.00	4,403	192.98	0.00
17.30	0.00	4,403	192.98	0.00
17.40	0.00	4,403	192.98	0.00
17.50	0.00	4,403	192.98	0.00
17.60	0.00	4,403	192.98	0.00
17.70	0.00	4,403	192.98	0.00
17.80	0.00	4,403	192.98	0.00
17.90	0.00	4,403	192.98	0.00
18.00	0.00	4,403	192.98	0.00
18.10	0.00	4,403	192.98	0.00
18.20	0.00	4,403	192.98	0.00
18.30	0.00	4,403	192.98	0.00
18.40	0.00	4,403	192.98	0.00
18.50	0.00	4,403	192.98	0.00
18.60	0.00	4,403	192.98	0.00
18.70	0.00	4,403	192.98	0.00
18.80	0.00	4,403	192.98	0.00
18.90	0.00	4,403	192.98	0.00
19.00	0.00	4,403	192.98	0.00
19.10	0.00	4,403	192.98	0.00
19.20	0.00	4,403	192.98	0.00
19.30	0.00	4,403	192.98	0.00
19.40	0.00	4,403	192.98	0.00
19.50	0.00	4,403	192.98	0.00
19.60	0.00	4,403	192.98	0.00
19.70	0.00	4,403	192.98	0.00
19.80	0.00	4,403	192.98	0.00
19.90	0.00	4,403	192.98	0.00
20.00	0.00	4,403	192.98	0.00
20.10	0.00	4,403	192.98	0.00
20.20	0.00	4,403	192.98	0.00
20.30	0.00	4,403	192.98	0.00
20.40	0.00	4,403	192.98	0.00
20.50	0.00	4,403	192.98	0.00
20.60	0.00	4,403	192.98	0.00
20.70	0.00	4,403	192.98	0.00

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.00	4,403	192.98	0.00
20.90	0.00	4,403	192.98	0.00
21.00	0.00	4,403	192.98	0.00
21.10	0.00	4,403	192.98	0.00
21.20	0.00	4,403	192.98	0.00
21.30	0.00	4,403	192.98	0.00
21.40	0.00	4,403	192.98	0.00
21.50	0.00	4,403	192.98	0.00
21.60	0.00	4,403	192.98	0.00
21.70	0.00	4,403	192.98	0.00
21.80	0.00	4,403	192.98	0.00
21.90	0.00	4,403	192.98	0.00
22.00	0.00	4,403	192.98	0.00
22.10	0.00	4,403	192.98	0.00
22.20	0.00	4,403	192.98	0.00
22.30	0.00	4,403	192.98	0.00
22.40	0.00	4,403	192.98	0.00
22.50	0.00	4,403	192.98	0.00
22.60	0.00	4,403	192.98	0.00
22.70	0.00	4,403	192.98	0.00
22.80	0.00	4,403	192.98	0.00
22.90	0.00	4,403	192.98	0.00
23.00	0.00	4,403	192.98	0.00
23.10	0.00	4,403	192.98	0.00
23.20	0.00	4,403	192.98	0.00
23.30	0.00	4,403	192.98	0.00
23.40	0.00	4,403	192.98	0.00
23.50	0.00	4,403	192.98	0.00
23.60	0.00	4,403	192.98	0.00
23.70	0.00	4,403	192.98	0.00
23.80	0.00	4,403	192.98	0.00
23.90	0.00	4,403	192.98	0.00
24.00	0.00	4,403	192.98	0.00
24.10	0.00	4,403	192.98	0.00
24.20	0.00	4,403	192.98	0.00
24.30	0.00	4,403	192.98	0.00
24.40	0.00	4,403	192.98	0.00
24.50	0.00	4,403	192.98	0.00
24.60	0.00	4,403	192.98	0.00
24.70	0.00	4,403	192.98	0.00
24.80	0.00	4,403	192.98	0.00
24.90	0.00	4,403	192.98	0.00
25.00	0.00	4,403	192.98	0.00
25.10	0.00	4,403	192.98	0.00
25.20	0.00	4,403	192.98	0.00
25.30	0.00	4,403	192.98	0.00
25.40	0.00	4,403	192.98	0.00
25.50	0.00	4,403	192.98	0.00
25.60	0.00	4,403	192.98	0.00
25.70	0.00	4,403	192.98	0.00
25.80	0.00	4,403	192.98	0.00
25.90	0.00	4,403	192.98	0.00

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	4,403	192.98	0.00
26.10	0.00	4,403	192.98	0.00
26.20	0.00	4,403	192.98	0.00
26.30	0.00	4,403	192.98	0.00
26.40	0.00	4,403	192.98	0.00
26.50	0.00	4,403	192.98	0.00
26.60	0.00	4,403	192.98	0.00
26.70	0.00	4,403	192.98	0.00
26.80	0.00	4,403	192.98	0.00
26.90	0.00	4,403	192.98	0.00
27.00	0.00	4,403	192.98	0.00
27.10	0.00	4,403	192.98	0.00
27.20	0.00	4,403	192.98	0.00
27.30	0.00	4,403	192.98	0.00
27.40	0.00	4,403	192.98	0.00
27.50	0.00	4,403	192.98	0.00
27.60	0.00	4,403	192.98	0.00
27.70	0.00	4,403	192.98	0.00
27.80	0.00	4,403	192.98	0.00
27.90	0.00	4,403	192.98	0.00
28.00	0.00	4,403	192.98	0.00
28.10	0.00	4,403	192.98	0.00
28.20	0.00	4,403	192.98	0.00
28.30	0.00	4,403	192.98	0.00
28.40	0.00	4,403	192.98	0.00
28.50	0.00	4,403	192.98	0.00
28.60	0.00	4,403	192.98	0.00
28.70	0.00	4,403	192.98	0.00
28.80	0.00	4,403	192.98	0.00
28.90	0.00	4,403	192.98	0.00
29.00	0.00	4,403	192.98	0.00
29.10	0.00	4,403	192.98	0.00
29.20	0.00	4,403	192.98	0.00
29.30	0.00	4,403	192.98	0.00
29.40	0.00	4,403	192.98	0.00
29.50	0.00	4,403	192.98	0.00
29.60	0.00	4,403	192.98	0.00
29.70	0.00	4,403	192.98	0.00
29.80	0.00	4,403	192.98	0.00
29.90	0.00	4,403	192.98	0.00
30.00	0.00	4,403	192.98	0.00
30.10	0.00	4,403	192.98	0.00
30.20	0.00	4,403	192.98	0.00
30.30	0.00	4,403	192.98	0.00
30.40	0.00	4,403	192.98	0.00
30.50	0.00	4,403	192.98	0.00
30.60	0.00	4,403	192.98	0.00
30.70	0.00	4,403	192.98	0.00
30.80	0.00	4,403	192.98	0.00
30.90	0.00	4,403	192.98	0.00
31.00	0.00	4,403	192.98	0.00
31.10	0.00	4,403	192.98	0.00

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	4,403	192.98	0.00
31.30	0.00	4,403	192.98	0.00
31.40	0.00	4,403	192.98	0.00
31.50	0.00	4,403	192.98	0.00
31.60	0.00	4,403	192.98	0.00
31.70	0.00	4,403	192.98	0.00
31.80	0.00	4,403	192.98	0.00
31.90	0.00	4,403	192.98	0.00
32.00	0.00	4,403	192.98	0.00
32.10	0.00	4,403	192.98	0.00
32.20	0.00	4,403	192.98	0.00
32.30	0.00	4,403	192.98	0.00
32.40	0.00	4,403	192.98	0.00
32.50	0.00	4,403	192.98	0.00
32.60	0.00	4,403	192.98	0.00
32.70	0.00	4,403	192.98	0.00
32.80	0.00	4,403	192.98	0.00
32.90	0.00	4,403	192.98	0.00
33.00	0.00	4,403	192.98	0.00
33.10	0.00	4,403	192.98	0.00
33.20	0.00	4,403	192.98	0.00
33.30	0.00	4,403	192.98	0.00
33.40	0.00	4,403	192.98	0.00
33.50	0.00	4,403	192.98	0.00
33.60	0.00	4,403	192.98	0.00
33.70	0.00	4,403	192.98	0.00
33.80	0.00	4,403	192.98	0.00
33.90	0.00	4,403	192.98	0.00
34.00	0.00	4,403	192.98	0.00
34.10	0.00	4,403	192.98	0.00
34.20	0.00	4,403	192.98	0.00
34.30	0.00	4,403	192.98	0.00
34.40	0.00	4,403	192.98	0.00
34.50	0.00	4,403	192.98	0.00
34.60	0.00	4,403	192.98	0.00
34.70	0.00	4,403	192.98	0.00
34.80	0.00	4,403	192.98	0.00
34.90	0.00	4,403	192.98	0.00
35.00	0.00	4,403	192.98	0.00
35.10	0.00	4,403	192.98	0.00
35.20	0.00	4,403	192.98	0.00
35.30	0.00	4,403	192.98	0.00
35.40	0.00	4,403	192.98	0.00
35.50	0.00	4,403	192.98	0.00
35.60	0.00	4,403	192.98	0.00
35.70	0.00	4,403	192.98	0.00
35.80	0.00	4,403	192.98	0.00
35.90	0.00	4,403	192.98	0.00
36.00	0.00	4,403	192.98	0.00
36.10	0.00	4,403	192.98	0.00
36.20	0.00	4,403	192.98	0.00
36.30	0.00	4,403	192.98	0.00

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	4,403	192.98	0.00
36.50	0.00	4,403	192.98	0.00
36.60	0.00	4,403	192.98	0.00
36.70	0.00	4,403	192.98	0.00
36.80	0.00	4,403	192.98	0.00
36.90	0.00	4,403	192.98	0.00
37.00	0.00	4,403	192.98	0.00
37.10	0.00	4,403	192.98	0.00
37.20	0.00	4,403	192.98	0.00
37.30	0.00	4,403	192.98	0.00
37.40	0.00	4,403	192.98	0.00
37.50	0.00	4,403	192.98	0.00
37.60	0.00	4,403	192.98	0.00
37.70	0.00	4,403	192.98	0.00
37.80	0.00	4,403	192.98	0.00
37.90	0.00	4,403	192.98	0.00
38.00	0.00	4,403	192.98	0.00
38.10	0.00	4,403	192.98	0.00
38.20	0.00	4,403	192.98	0.00
38.30	0.00	4,403	192.98	0.00
38.40	0.00	4,403	192.98	0.00
38.50	0.00	4,403	192.98	0.00
38.60	0.00	4,403	192.98	0.00
38.70	0.00	4,403	192.98	0.00
38.80	0.00	4,403	192.98	0.00
38.90	0.00	4,403	192.98	0.00
39.00	0.00	4,403	192.98	0.00
39.10	0.00	4,403	192.98	0.00
39.20	0.00	4,403	192.98	0.00
39.30	0.00	4,403	192.98	0.00
39.40	0.00	4,403	192.98	0.00
39.50	0.00	4,403	192.98	0.00
39.60	0.00	4,403	192.98	0.00
39.70	0.00	4,403	192.98	0.00
39.80	0.00	4,403	192.98	0.00
39.90	0.00	4,403	192.98	0.00
40.00	0.00	4,403	192.98	0.00

Stage-Discharge for Pond B-55: Basin #55

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
192.00	0.00	192.52	0.00	193.04	0.09	193.56	1.27
192.01	0.00	192.53	0.00	193.05	0.11	193.57	1.28
192.02	0.00	192.54	0.00	193.06	0.13	193.58	1.29
192.03	0.00	192.55	0.00	193.07	0.16	193.59	1.31
192.04	0.00	192.56	0.00	193.08	0.19	193.60	1.32
192.05	0.00	192.57	0.00	193.09	0.21	193.61	1.33
192.06	0.00	192.58	0.00	193.10	0.24	193.62	1.34
192.07	0.00	192.59	0.00	193.11	0.28	193.63	1.36
192.08	0.00	192.60	0.00	193.12	0.31	193.64	1.37
192.09	0.00	192.61	0.00	193.13	0.34	193.65	1.38
192.10	0.00	192.62	0.00	193.14	0.38	193.66	1.39
192.11	0.00	192.63	0.00	193.15	0.41	193.67	1.41
192.12	0.00	192.64	0.00	193.16	0.45	193.68	1.42
192.13	0.00	192.65	0.00	193.17	0.49	193.69	1.43
192.14	0.00	192.66	0.00	193.18	0.53	193.70	1.44
192.15	0.00	192.67	0.00	193.19	0.57	193.71	1.45
192.16	0.00	192.68	0.00	193.20	0.60	193.72	1.46
192.17	0.00	192.69	0.00	193.21	0.63	193.73	1.48
192.18	0.00	192.70	0.00	193.22	0.66	193.74	1.49
192.19	0.00	192.71	0.00	193.23	0.69	193.75	1.50
192.20	0.00	192.72	0.00	193.24	0.71	193.76	1.51
192.21	0.00	192.73	0.00	193.25	0.74	193.77	1.52
192.22	0.00	192.74	0.00	193.26	0.76	193.78	1.53
192.23	0.00	192.75	0.00	193.27	0.78	193.79	1.54
192.24	0.00	192.76	0.00	193.28	0.80	193.80	1.55
192.25	0.00	192.77	0.00	193.29	0.82	193.81	1.57
192.26	0.00	192.78	0.00	193.30	0.85	193.82	1.58
192.27	0.00	192.79	0.00	193.31	0.87	193.83	1.60
192.28	0.00	192.80	0.00	193.32	0.89	193.84	1.63
192.29	0.00	192.81	0.00	193.33	0.90	193.85	1.68
192.30	0.00	192.82	0.00	193.34	0.92	193.86	1.72
192.31	0.00	192.83	0.00	193.35	0.94	193.87	1.77
192.32	0.00	192.84	0.00	193.36	0.96	193.88	1.83
192.33	0.00	192.85	0.00	193.37	0.98	193.89	1.89
192.34	0.00	192.86	0.00	193.38	0.99	193.90	1.95
192.35	0.00	192.87	0.00	193.39	1.01	193.91	2.02
192.36	0.00	192.88	0.00	193.40	1.03	193.92	2.09
192.37	0.00	192.89	0.00	193.41	1.05	193.93	2.16
192.38	0.00	192.90	0.00	193.42	1.06	193.94	2.24
192.39	0.00	192.91	0.00	193.43	1.08	193.95	2.32
192.40	0.00	192.92	0.00	193.44	1.09	193.96	2.40
192.41	0.00	192.93	0.00	193.45	1.11	193.97	2.48
192.42	0.00	192.94	0.00	193.46	1.12	193.98	2.57
192.43	0.00	192.95	0.00	193.47	1.14	193.99	2.66
192.44	0.00	192.96	0.00	193.48	1.15	194.00	2.75
192.45	0.00	192.97	0.00	193.49	1.17	194.01	2.84
192.46	0.00	192.98	0.00	193.50	1.18	194.02	2.94
192.47	0.00	192.99	0.01	193.51	1.20	194.03	3.03
192.48	0.00	193.00	0.02	193.52	1.21	194.04	3.13
192.49	0.00	193.01	0.03	193.53	1.23	194.05	3.23
192.50	0.00	193.02	0.05	193.54	1.24	194.06	3.34
192.51	0.00	193.03	0.07	193.55	1.25	194.07	3.44

Stage-Discharge for Pond B-55: Basin #55 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
194.08	3.55	194.60	10.91	195.12	12.19	195.64	23.12
194.09	3.65	194.61	10.94	195.13	12.21	195.65	23.93
194.10	3.76	194.62	10.96	195.14	12.23	195.66	24.79
194.11	3.87	194.63	10.99	195.15	12.26	195.67	25.69
194.12	3.99	194.64	11.01	195.16	12.28	195.68	26.61
194.13	4.10	194.65	11.04	195.17	12.30	195.69	27.55
194.14	4.22	194.66	11.06	195.18	12.32	195.70	28.52
194.15	4.34	194.67	11.09	195.19	12.35	195.71	29.52
194.16	4.46	194.68	11.12	195.20	12.37	195.72	30.53
194.17	4.58	194.69	11.14	195.21	12.39	195.73	31.58
194.18	4.70	194.70	11.17	195.22	12.42	195.74	32.65
194.19	4.82	194.71	11.19	195.23	12.44	195.75	33.74
194.20	4.95	194.72	11.22	195.24	12.46	195.76	34.86
194.21	5.07	194.73	11.24	195.25	12.48	195.77	36.00
194.22	5.20	194.74	11.27	195.26	12.51	195.78	37.17
194.23	5.33	194.75	11.29	195.27	12.53	195.79	38.36
194.24	5.46	194.76	11.32	195.28	12.55	195.80	39.57
194.25	5.59	194.77	11.34	195.29	12.58	195.81	40.81
194.26	5.73	194.78	11.37	195.30	12.60	195.82	42.08
194.27	5.86	194.79	11.39	195.31	12.62	195.83	43.36
194.28	6.00	194.80	11.42	195.32	12.64	195.84	44.67
194.29	6.13	194.81	11.44	195.33	12.66	195.85	46.01
194.30	6.27	194.82	11.47	195.34	12.69	195.86	47.40
194.31	6.41	194.83	11.49	195.35	12.71	195.87	48.81
194.32	6.55	194.84	11.52	195.36	12.73	195.88	50.25
194.33	6.69	194.85	11.54	195.37	12.75	195.89	51.71
194.34	6.84	194.86	11.57	195.38	12.78	195.90	53.20
194.35	6.98	194.87	11.59	195.39	12.80	195.91	54.72
194.36	7.13	194.88	11.61	195.40	12.82	195.92	56.26
194.37	7.27	194.89	11.64	195.41	12.84	195.93	57.83
194.38	7.42	194.90	11.66	195.42	12.86	195.94	59.43
194.39	7.57	194.91	11.69	195.43	12.89	195.95	61.05
194.40	7.72	194.92	11.71	195.44	12.91	195.96	62.70
194.41	7.87	194.93	11.74	195.45	12.93	195.97	64.37
194.42	8.02	194.94	11.76	195.46	13.07	195.98	66.07
194.43	8.17	194.95	11.78	195.47	13.31	195.99	67.80
194.44	8.33	194.96	11.81	195.48	13.61	196.00	**69.56**
194.45	8.48	194.97	11.83	195.49	13.96		
194.46	8.64	194.98	11.86	195.50	14.35		
194.47	8.80	194.99	11.88	195.51	14.79		
194.48	8.95	195.00	11.90	195.52	15.26		
194.49	9.11	195.01	11.93	195.53	15.76		
194.50	9.27	195.02	11.95	195.54	16.30		
194.51	9.43	195.03	11.97	195.55	16.87		
194.52	9.60	195.04	12.00	195.56	17.46		
194.53	9.76	195.05	12.02	195.57	18.08		
194.54	9.92	195.06	12.05	195.58	18.73		
194.55	10.09	195.07	12.07	195.59	19.40		
194.56	10.25	195.08	12.09	195.60	20.10		
194.57	10.42	195.09	12.12	195.61	20.82		
194.58	10.59	195.10	12.14	195.62	21.57		
194.59	10.75	195.11	12.16	195.63	22.33		

Stage-Area-Storage for Pond B-55: Basin #55

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
192.00	4,250	0	192.52	4,508	2,277
192.01	4,255	43	192.53	4,513	2,322
192.02	4,260	85	192.54	4,518	2,367
192.03	4,265	128	192.55	4,523	2,413
192.04	4,270	170	192.56	4,528	2,458
192.05	4,275	213	192.57	4,533	2,503
192.06	4,280	256	192.58	4,538	2,548
192.07	4,285	299	192.59	4,543	2,594
192.08	4,290	342	192.60	4,548	2,639
192.09	4,295	385	192.61	4,553	2,685
192.10	4,300	427	192.62	4,558	2,730
192.11	4,305	471	192.63	4,562	2,776
192.12	4,310	514	192.64	4,567	2,822
192.13	4,314	557	192.65	4,572	2,867
192.14	4,319	600	192.66	4,577	2,913
192.15	4,324	643	192.67	4,582	2,959
192.16	4,329	686	192.68	4,587	3,005
192.17	4,334	730	192.69	4,592	3,051
192.18	4,339	773	192.70	4,597	3,097
192.19	4,344	816	192.71	4,602	3,143
192.20	4,349	860	192.72	4,607	3,189
192.21	4,354	903	192.73	4,612	3,235
192.22	4,359	947	192.74	4,617	3,281
192.23	4,364	991	192.75	4,622	3,327
192.24	4,369	1,034	192.76	4,627	3,373
192.25	4,374	1,078	192.77	4,632	3,420
192.26	4,379	1,122	192.78	4,637	3,466
192.27	4,384	1,166	192.79	4,642	3,512
192.28	4,389	1,209	192.80	4,647	3,559
192.29	4,394	1,253	192.81	4,652	3,605
192.30	4,399	1,297	192.82	4,657	3,652
192.31	4,404	1,341	192.83	4,662	3,698
192.32	4,409	1,385	192.84	4,667	3,745
192.33	4,414	1,430	192.85	4,672	3,792
192.34	4,419	1,474	192.86	4,677	3,838
192.35	4,424	1,518	192.87	4,682	3,885
192.36	4,429	1,562	192.88	4,686	3,932
192.37	4,434	1,606	192.89	4,691	3,979
192.38	4,438	1,651	192.90	4,696	4,026
192.39	4,443	1,695	192.91	4,701	4,073
192.40	4,448	1,740	192.92	4,706	4,120
192.41	4,453	1,784	192.93	4,711	4,167
192.42	4,458	1,829	192.94	4,716	4,214
192.43	4,463	1,873	192.95	4,721	4,261
192.44	4,468	1,918	192.96	4,726	4,309
192.45	4,473	1,963	192.97	4,731	4,356
192.46	4,478	2,007	192.98	4,736	4,403
192.47	4,483	2,052	192.99	4,741	4,451
192.48	4,488	2,097	193.00	4,746	4,498
192.49	4,493	2,142	193.01	4,751	4,545
192.50	4,498	2,187	193.02	4,756	4,593
192.51	4,503	2,232	193.03	4,761	4,641

Stage-Area-Storage for Pond B-55: Basin #55 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
193.04	4,766	4,688	193.56	5,032	7,236
193.05	4,772	4,736	193.57	5,037	7,286
193.06	4,777	4,784	193.58	5,042	7,337
193.07	4,782	4,831	193.59	5,047	7,387
193.08	4,787	4,879	193.60	5,053	7,438
193.09	4,792	4,927	193.61	5,058	7,488
193.10	4,797	4,975	193.62	5,063	7,539
193.11	4,802	5,023	193.63	5,068	7,589
193.12	4,807	5,071	193.64	5,073	7,640
193.13	4,812	5,119	193.65	5,078	7,691
193.14	4,818	5,167	193.66	5,083	7,742
193.15	4,823	5,216	193.67	5,088	7,793
193.16	4,828	5,264	193.68	5,093	7,843
193.17	4,833	5,312	193.69	5,099	7,894
193.18	4,838	5,361	193.70	5,104	7,945
193.19	4,843	5,409	193.71	5,109	7,996
193.20	4,848	5,457	193.72	5,114	8,048
193.21	4,853	5,506	193.73	5,119	8,099
193.22	4,858	5,554	193.74	5,124	8,150
193.23	4,864	5,603	193.75	5,129	8,201
193.24	4,869	5,652	193.76	5,134	8,253
193.25	4,874	5,700	193.77	5,139	8,304
193.26	4,879	5,749	193.78	5,145	8,355
193.27	4,884	5,798	193.79	5,150	8,407
193.28	4,889	5,847	193.80	5,155	8,458
193.29	4,894	5,896	193.81	5,160	8,510
193.30	4,899	5,945	193.82	5,165	8,562
193.31	4,904	5,994	193.83	5,170	8,613
193.32	4,910	6,043	193.84	5,175	8,665
193.33	4,915	6,092	193.85	5,180	8,717
193.34	4,920	6,141	193.86	5,185	8,769
193.35	4,925	6,190	193.87	5,191	8,820
193.36	4,930	6,240	193.88	5,196	8,872
193.37	4,935	6,289	193.89	5,201	8,924
193.38	4,940	6,338	193.90	5,206	8,976
193.39	4,945	6,388	193.91	5,211	9,028
193.40	4,950	6,437	193.92	5,216	9,081
193.41	4,956	6,487	193.93	5,221	9,133
193.42	4,961	6,536	193.94	5,226	9,185
193.43	4,966	6,586	193.95	5,231	9,237
193.44	4,971	6,636	193.96	5,237	9,290
193.45	4,976	6,685	193.97	5,242	9,342
193.46	4,981	6,735	193.98	5,247	9,394
193.47	4,986	6,785	193.99	5,252	9,447
193.48	4,991	6,835	194.00	5,257	9,500
193.49	4,996	6,885	194.01	5,262	9,552
193.50	5,002	6,935	194.02	5,268	9,605
193.51	5,007	6,985	194.03	5,273	9,657
193.52	5,012	7,035	194.04	5,278	9,710
193.53	5,017	7,085	194.05	5,283	9,763
193.54	5,022	7,135	194.06	5,289	9,816
193.55	5,027	7,186	194.07	5,294	9,869

Stage-Area-Storage for Pond B-55: Basin #55 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
194.08	5,299	9,922	194.60	5,573	12,749
194.09	5,304	9,975	194.61	5,578	12,804
194.10	5,310	10,028	194.62	5,584	12,860
194.11	5,315	10,081	194.63	5,589	12,916
194.12	5,320	10,134	194.64	5,594	12,972
194.13	5,326	10,187	194.65	5,600	13,028
194.14	5,331	10,241	194.66	5,605	13,084
194.15	5,336	10,294	194.67	5,610	13,140
194.16	5,341	10,347	194.68	5,615	13,196
194.17	5,347	10,401	194.69	5,621	13,252
194.18	5,352	10,454	194.70	5,626	13,309
194.19	5,357	10,508	194.71	5,631	13,365
194.20	5,362	10,561	194.72	5,636	13,421
194.21	5,368	10,615	194.73	5,642	13,478
194.22	5,373	10,669	194.74	5,647	13,534
194.23	5,378	10,723	194.75	5,652	13,590
194.24	5,383	10,776	194.76	5,658	13,647
194.25	5,389	10,830	194.77	5,663	13,704
194.26	5,394	10,884	194.78	5,668	13,760
194.27	5,399	10,938	194.79	5,673	13,817
194.28	5,405	10,992	194.80	5,679	13,874
194.29	5,410	11,046	194.81	5,684	13,931
194.30	5,415	11,100	194.82	5,689	13,987
194.31	5,420	11,154	194.83	5,694	14,044
194.32	5,426	11,209	194.84	5,700	14,101
194.33	5,431	11,263	194.85	5,705	14,158
194.34	5,436	11,317	194.86	5,710	14,215
194.35	5,441	11,372	194.87	5,715	14,273
194.36	5,447	11,426	194.88	5,721	14,330
194.37	5,452	11,481	194.89	5,726	14,387
194.38	5,457	11,535	194.90	5,731	14,444
194.39	5,463	11,590	194.91	5,737	14,502
194.40	5,468	11,644	194.92	5,742	14,559
194.41	5,473	11,699	194.93	5,747	14,616
194.42	5,478	11,754	194.94	5,752	14,674
194.43	5,484	11,809	194.95	5,758	14,731
194.44	5,489	11,864	194.96	5,763	14,789
194.45	5,494	11,919	194.97	5,768	14,847
194.46	5,499	11,973	194.98	5,773	14,904
194.47	5,505	12,028	194.99	5,779	14,962
194.48	5,510	12,084	195.00	5,784	15,020
194.49	5,515	12,139	195.01	5,789	15,078
194.50	5,521	12,194	195.02	5,795	15,136
194.51	5,526	12,249	195.03	5,800	15,194
194.52	5,531	12,304	195.04	5,806	15,252
194.53	5,536	12,360	195.05	5,811	15,310
194.54	5,542	12,415	195.06	5,817	15,368
194.55	5,547	12,471	195.07	5,822	15,426
194.56	5,552	12,526	195.08	5,827	15,484
194.57	5,557	12,582	195.09	5,833	15,543
194.58	5,563	12,637	195.10	5,838	15,601
194.59	5,568	12,693	195.11	5,844	15,660

Stage-Area-Storage for Pond B-55: Basin #55 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
195.12	5,849	15,718
195.13	5,855	15,777
195.14	5,860	15,835
195.15	5,865	15,894
195.16	5,871	15,952
195.17	5,876	16,011
195.18	5,882	16,070
195.19	5,887	16,129
195.20	5,893	16,188
195.21	5,898	16,247
195.22	5,903	16,306
195.23	5,909	16,365
195.24	5,914	16,424
195.25	5,920	16,483
195.26	5,925	16,542
195.27	5,931	16,601
195.28	5,936	16,661
195.29	5,941	16,720
195.30	5,947	16,780
195.31	5,952	16,839
195.32	5,958	16,899
195.33	5,963	16,958
195.34	5,969	17,018
195.35	5,974	17,078
195.36	5,979	17,137
195.37	5,985	17,197
195.38	5,990	17,257
195.39	5,996	17,317
195.40	6,001	17,377
195.41	6,007	17,437
195.42	6,012	17,497
195.43	6,017	17,557
195.44	6,023	17,618
195.45	6,028	17,678
195.46	6,034	17,738
195.47	6,039	17,798
195.48	6,045	17,859
195.49	6,050	17,919
195.50	6,056	17,980
195.51	6,061	18,040
195.52	6,066	18,101
195.53	6,072	18,162
195.54	6,077	18,223
195.55	6,083	18,283
195.56	6,088	18,344
195.57	6,094	18,405
195.58	6,099	18,466
195.59	6,104	18,527
195.60	6,110	18,588
195.61	6,115	18,649
195.62	6,121	18,710
195.63	6,126	18,772
195.64	6,132	18,833
195.65	6,137	18,894
195.66	6,142	18,956
195.67	6,148	19,017
195.68	6,153	19,079
195.69	6,159	19,140
195.70	6,164	19,202
195.71	6,170	19,264
195.72	6,175	19,325
195.73	6,180	19,387
195.74	6,186	19,449
195.75	6,191	19,511
195.76	6,197	19,573
195.77	6,202	19,635
195.78	6,208	19,697
195.79	6,213	19,759
195.80	6,218	19,821
195.81	6,224	19,883
195.82	6,229	19,945
195.83	6,235	20,008
195.84	6,240	20,070
195.85	6,246	20,133
195.86	6,251	20,195
195.87	6,256	20,258
195.88	6,262	20,320
195.89	6,267	20,383
195.90	6,273	20,446
195.91	6,278	20,508
195.92	6,284	20,571
195.93	6,289	20,634
195.94	6,294	20,697
195.95	6,300	20,760
195.96	6,305	20,823
195.97	6,311	20,886
195.98	6,316	20,949
195.99	6,322	21,012
196.00	**6,327**	**21,076**

Summary for Pond B-56: Basin #56

Inflow Area = 1.512 ac, 31.08% Impervious, Inflow Depth = 0.37" for WQ Storm event
Inflow = 1.54 cfs @ 1.08 hrs, Volume= 0.047 af
Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Atten= 100%, Lag= 0.0 min
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Pond B-51 : Basin #51

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 192.40' @ 2.20 hrs Surf.Area= 5,208 sf Storage= 2,044 cf

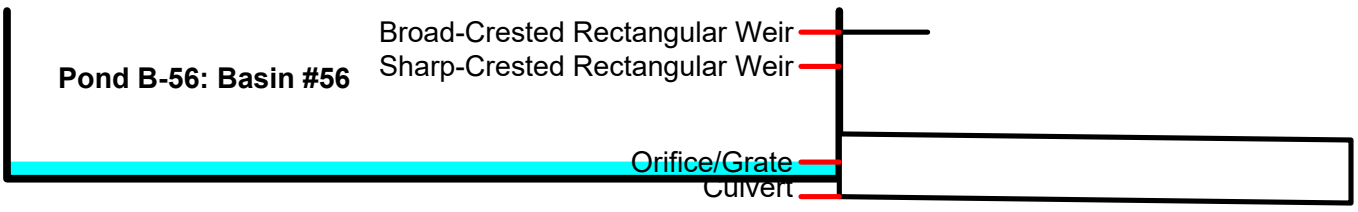
Plug-Flow detention time= (not calculated: initial storage exceeds outflow)
Center-of-Mass det. time= (not calculated: no outflow)

Volume	Invert	Avail.Storage	Storage Description
#1	192.00'	23,952 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

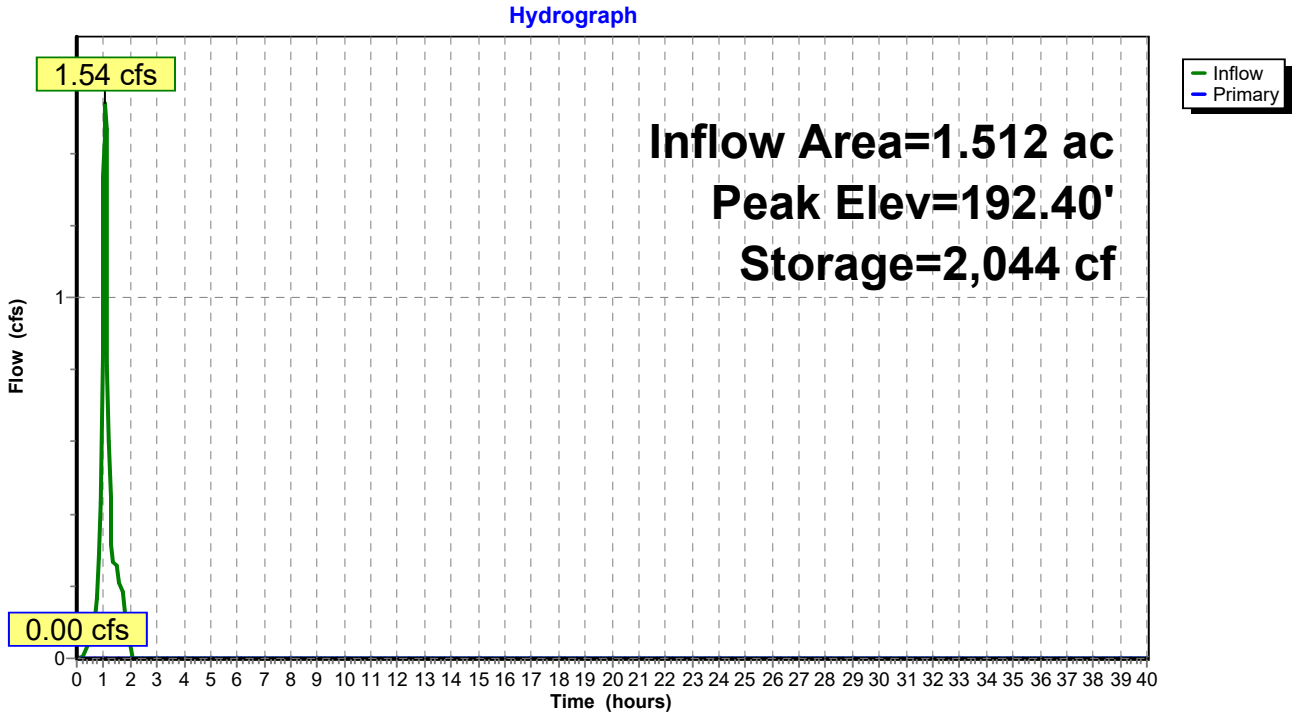
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
192.00	5,021	0	0
193.00	5,490	5,256	5,256
194.00	5,976	5,733	10,989
195.00	6,478	6,227	17,216
196.00	6,995	6,737	23,952

Device	Routing	Invert	Outlet Devices
#1	Primary	191.57'	**18.0" Round Culvert** L= 29.0' Ke= 0.500 Inlet / Outlet Invert= 191.57' / 191.42' S= 0.0052 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	192.40'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	194.68'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	195.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=192.00' (Free Discharge)
- **1=Culvert** (Passes 0.00 cfs of 0.68 cfs potential flow)
  - **2=Orifice/Grate** (Controls 0.00 cfs)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-56: Basin #56



Hydrograph for Pond B-56: Basin #56

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	192.00	**0.00**
0.10	0.00	0	192.00	0.00
0.20	0.00	0	192.00	0.00
0.30	0.00	0	192.00	0.00
0.40	0.02	3	192.00	0.00
0.50	0.05	16	192.00	0.00
0.60	0.09	42	192.01	0.00
0.70	0.12	79	192.02	0.00
0.80	0.21	132	192.03	0.00
0.90	0.43	239	192.05	0.00
1.00	1.34	550	192.11	0.00
1.10	**1.46**	1,062	192.21	0.00
1.20	0.60	1,393	192.27	0.00
1.30	0.32	1,556	192.31	0.00
1.40	0.26	1,656	192.32	0.00
1.50	0.27	1,752	192.34	0.00
1.60	0.21	1,835	192.36	0.00
1.70	0.21	1,911	192.37	0.00
1.80	0.11	1,978	192.39	0.00
1.90	0.07	2,008	192.39	0.00
2.00	0.07	2,034	192.40	0.00
2.10	0.00	2,044	192.40	0.00
2.20	0.00	**2,044**	**192.40**	0.00
2.30	0.00	2,044	192.40	0.00
2.40	0.00	2,044	192.40	0.00
2.50	0.00	2,044	192.40	0.00
2.60	0.00	2,044	192.40	0.00
2.70	0.00	2,044	192.40	0.00
2.80	0.00	2,044	192.40	0.00
2.90	0.00	2,044	192.40	0.00
3.00	0.00	2,044	192.40	0.00
3.10	0.00	2,044	192.40	0.00
3.20	0.00	2,044	192.40	0.00
3.30	0.00	2,044	192.40	0.00
3.40	0.00	2,044	192.40	0.00
3.50	0.00	2,044	192.40	0.00
3.60	0.00	2,044	192.40	0.00
3.70	0.00	2,044	192.40	0.00
3.80	0.00	2,044	192.40	0.00
3.90	0.00	2,044	192.40	0.00
4.00	0.00	2,044	192.40	0.00
4.10	0.00	2,044	192.40	0.00
4.20	0.00	2,044	192.40	0.00
4.30	0.00	2,044	192.40	0.00
4.40	0.00	2,044	192.40	0.00
4.50	0.00	2,044	192.40	0.00
4.60	0.00	2,044	192.40	0.00
4.70	0.00	2,044	192.40	0.00
4.80	0.00	2,044	192.40	0.00
4.90	0.00	2,044	192.40	0.00
5.00	0.00	2,044	192.40	0.00
5.10	0.00	2,044	192.40	0.00

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	2,044	192.40	0.00
5.30	0.00	2,044	192.40	0.00
5.40	0.00	2,044	192.40	0.00
5.50	0.00	2,044	192.40	0.00
5.60	0.00	2,044	192.40	0.00
5.70	0.00	2,044	192.40	0.00
5.80	0.00	2,044	192.40	0.00
5.90	0.00	2,044	192.40	0.00
6.00	0.00	2,044	192.40	0.00
6.10	0.00	2,044	192.40	0.00
6.20	0.00	2,044	192.40	0.00
6.30	0.00	2,044	192.40	0.00
6.40	0.00	2,044	192.40	0.00
6.50	0.00	2,044	192.40	0.00
6.60	0.00	2,044	192.40	0.00
6.70	0.00	2,044	192.40	0.00
6.80	0.00	2,044	192.40	0.00
6.90	0.00	2,044	192.40	0.00
7.00	0.00	2,044	192.40	0.00
7.10	0.00	2,044	192.40	0.00
7.20	0.00	2,044	192.40	0.00
7.30	0.00	2,044	192.40	0.00
7.40	0.00	2,044	192.40	0.00
7.50	0.00	2,044	192.40	0.00
7.60	0.00	2,044	192.40	0.00
7.70	0.00	2,044	192.40	0.00
7.80	0.00	2,044	192.40	0.00
7.90	0.00	2,044	192.40	0.00
8.00	0.00	2,044	192.40	0.00
8.10	0.00	2,044	192.40	0.00
8.20	0.00	2,044	192.40	0.00
8.30	0.00	2,044	192.40	0.00
8.40	0.00	2,044	192.40	0.00
8.50	0.00	2,044	192.40	0.00
8.60	0.00	2,044	192.40	0.00
8.70	0.00	2,044	192.40	0.00
8.80	0.00	2,044	192.40	0.00
8.90	0.00	2,044	192.40	0.00
9.00	0.00	2,044	192.40	0.00
9.10	0.00	2,044	192.40	0.00
9.20	0.00	2,044	192.40	0.00
9.30	0.00	2,044	192.40	0.00
9.40	0.00	2,044	192.40	0.00
9.50	0.00	2,044	192.40	0.00
9.60	0.00	2,044	192.40	0.00
9.70	0.00	2,044	192.40	0.00
9.80	0.00	2,044	192.40	0.00
9.90	0.00	2,044	192.40	0.00
10.00	0.00	2,044	192.40	0.00
10.10	0.00	2,044	192.40	0.00
10.20	0.00	2,044	192.40	0.00
10.30	0.00	2,044	192.40	0.00

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.00	2,044	192.40	0.00
10.50	0.00	2,044	192.40	0.00
10.60	0.00	2,044	192.40	0.00
10.70	0.00	2,044	192.40	0.00
10.80	0.00	2,044	192.40	0.00
10.90	0.00	2,044	192.40	0.00
11.00	0.00	2,044	192.40	0.00
11.10	0.00	2,044	192.40	0.00
11.20	0.00	2,044	192.40	0.00
11.30	0.00	2,044	192.40	0.00
11.40	0.00	2,044	192.40	0.00
11.50	0.00	2,044	192.40	0.00
11.60	0.00	2,044	192.40	0.00
11.70	0.00	2,044	192.40	0.00
11.80	0.00	2,044	192.40	0.00
11.90	0.00	2,044	192.40	0.00
12.00	0.00	2,044	192.40	0.00
12.10	0.00	2,044	192.40	0.00
12.20	0.00	2,044	192.40	0.00
12.30	0.00	2,044	192.40	0.00
12.40	0.00	2,044	192.40	0.00
12.50	0.00	2,044	192.40	0.00
12.60	0.00	2,044	192.40	0.00
12.70	0.00	2,044	192.40	0.00
12.80	0.00	2,044	192.40	0.00
12.90	0.00	2,044	192.40	0.00
13.00	0.00	2,044	192.40	0.00
13.10	0.00	2,044	192.40	0.00
13.20	0.00	2,044	192.40	0.00
13.30	0.00	2,044	192.40	0.00
13.40	0.00	2,044	192.40	0.00
13.50	0.00	2,044	192.40	0.00
13.60	0.00	2,044	192.40	0.00
13.70	0.00	2,044	192.40	0.00
13.80	0.00	2,044	192.40	0.00
13.90	0.00	2,044	192.40	0.00
14.00	0.00	2,044	192.40	0.00
14.10	0.00	2,044	192.40	0.00
14.20	0.00	2,044	192.40	0.00
14.30	0.00	2,044	192.40	0.00
14.40	0.00	2,044	192.40	0.00
14.50	0.00	2,044	192.40	0.00
14.60	0.00	2,044	192.40	0.00
14.70	0.00	2,044	192.40	0.00
14.80	0.00	2,044	192.40	0.00
14.90	0.00	2,044	192.40	0.00
15.00	0.00	2,044	192.40	0.00
15.10	0.00	2,044	192.40	0.00
15.20	0.00	2,044	192.40	0.00
15.30	0.00	2,044	192.40	0.00
15.40	0.00	2,044	192.40	0.00
15.50	0.00	2,044	192.40	0.00

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.00	2,044	192.40	0.00
15.70	0.00	2,044	192.40	0.00
15.80	0.00	2,044	192.40	0.00
15.90	0.00	2,044	192.40	0.00
16.00	0.00	2,044	192.40	0.00
16.10	0.00	2,044	192.40	0.00
16.20	0.00	2,044	192.40	0.00
16.30	0.00	2,044	192.40	0.00
16.40	0.00	2,044	192.40	0.00
16.50	0.00	2,044	192.40	0.00
16.60	0.00	2,044	192.40	0.00
16.70	0.00	2,044	192.40	0.00
16.80	0.00	2,044	192.40	0.00
16.90	0.00	2,044	192.40	0.00
17.00	0.00	2,044	192.40	0.00
17.10	0.00	2,044	192.40	0.00
17.20	0.00	2,044	192.40	0.00
17.30	0.00	2,044	192.40	0.00
17.40	0.00	2,044	192.40	0.00
17.50	0.00	2,044	192.40	0.00
17.60	0.00	2,044	192.40	0.00
17.70	0.00	2,044	192.40	0.00
17.80	0.00	2,044	192.40	0.00
17.90	0.00	2,044	192.40	0.00
18.00	0.00	2,044	192.40	0.00
18.10	0.00	2,044	192.40	0.00
18.20	0.00	2,044	192.40	0.00
18.30	0.00	2,044	192.40	0.00
18.40	0.00	2,044	192.40	0.00
18.50	0.00	2,044	192.40	0.00
18.60	0.00	2,044	192.40	0.00
18.70	0.00	2,044	192.40	0.00
18.80	0.00	2,044	192.40	0.00
18.90	0.00	2,044	192.40	0.00
19.00	0.00	2,044	192.40	0.00
19.10	0.00	2,044	192.40	0.00
19.20	0.00	2,044	192.40	0.00
19.30	0.00	2,044	192.40	0.00
19.40	0.00	2,044	192.40	0.00
19.50	0.00	2,044	192.40	0.00
19.60	0.00	2,044	192.40	0.00
19.70	0.00	2,044	192.40	0.00
19.80	0.00	2,044	192.40	0.00
19.90	0.00	2,044	192.40	0.00
20.00	0.00	2,044	192.40	0.00
20.10	0.00	2,044	192.40	0.00
20.20	0.00	2,044	192.40	0.00
20.30	0.00	2,044	192.40	0.00
20.40	0.00	2,044	192.40	0.00
20.50	0.00	2,044	192.40	0.00
20.60	0.00	2,044	192.40	0.00
20.70	0.00	2,044	192.40	0.00

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.00	2,044	192.40	0.00
20.90	0.00	2,044	192.40	0.00
21.00	0.00	2,044	192.40	0.00
21.10	0.00	2,044	192.40	0.00
21.20	0.00	2,044	192.40	0.00
21.30	0.00	2,044	192.40	0.00
21.40	0.00	2,044	192.40	0.00
21.50	0.00	2,044	192.40	0.00
21.60	0.00	2,044	192.40	0.00
21.70	0.00	2,044	192.40	0.00
21.80	0.00	2,044	192.40	0.00
21.90	0.00	2,044	192.40	0.00
22.00	0.00	2,044	192.40	0.00
22.10	0.00	2,044	192.40	0.00
22.20	0.00	2,044	192.40	0.00
22.30	0.00	2,044	192.40	0.00
22.40	0.00	2,044	192.40	0.00
22.50	0.00	2,044	192.40	0.00
22.60	0.00	2,044	192.40	0.00
22.70	0.00	2,044	192.40	0.00
22.80	0.00	2,044	192.40	0.00
22.90	0.00	2,044	192.40	0.00
23.00	0.00	2,044	192.40	0.00
23.10	0.00	2,044	192.40	0.00
23.20	0.00	2,044	192.40	0.00
23.30	0.00	2,044	192.40	0.00
23.40	0.00	2,044	192.40	0.00
23.50	0.00	2,044	192.40	0.00
23.60	0.00	2,044	192.40	0.00
23.70	0.00	2,044	192.40	0.00
23.80	0.00	2,044	192.40	0.00
23.90	0.00	2,044	192.40	0.00
24.00	0.00	2,044	192.40	0.00
24.10	0.00	2,044	192.40	0.00
24.20	0.00	2,044	192.40	0.00
24.30	0.00	2,044	192.40	0.00
24.40	0.00	2,044	192.40	0.00
24.50	0.00	2,044	192.40	0.00
24.60	0.00	2,044	192.40	0.00
24.70	0.00	2,044	192.40	0.00
24.80	0.00	2,044	192.40	0.00
24.90	0.00	2,044	192.40	0.00
25.00	0.00	2,044	192.40	0.00
25.10	0.00	2,044	192.40	0.00
25.20	0.00	2,044	192.40	0.00
25.30	0.00	2,044	192.40	0.00
25.40	0.00	2,044	192.40	0.00
25.50	0.00	2,044	192.40	0.00
25.60	0.00	2,044	192.40	0.00
25.70	0.00	2,044	192.40	0.00
25.80	0.00	2,044	192.40	0.00
25.90	0.00	2,044	192.40	0.00

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	2,044	192.40	0.00
26.10	0.00	2,044	192.40	0.00
26.20	0.00	2,044	192.40	0.00
26.30	0.00	2,044	192.40	0.00
26.40	0.00	2,044	192.40	0.00
26.50	0.00	2,044	192.40	0.00
26.60	0.00	2,044	192.40	0.00
26.70	0.00	2,044	192.40	0.00
26.80	0.00	2,044	192.40	0.00
26.90	0.00	2,044	192.40	0.00
27.00	0.00	2,044	192.40	0.00
27.10	0.00	2,044	192.40	0.00
27.20	0.00	2,044	192.40	0.00
27.30	0.00	2,044	192.40	0.00
27.40	0.00	2,044	192.40	0.00
27.50	0.00	2,044	192.40	0.00
27.60	0.00	2,044	192.40	0.00
27.70	0.00	2,044	192.40	0.00
27.80	0.00	2,044	192.40	0.00
27.90	0.00	2,044	192.40	0.00
28.00	0.00	2,044	192.40	0.00
28.10	0.00	2,044	192.40	0.00
28.20	0.00	2,044	192.40	0.00
28.30	0.00	2,044	192.40	0.00
28.40	0.00	2,044	192.40	0.00
28.50	0.00	2,044	192.40	0.00
28.60	0.00	2,044	192.40	0.00
28.70	0.00	2,044	192.40	0.00
28.80	0.00	2,044	192.40	0.00
28.90	0.00	2,044	192.40	0.00
29.00	0.00	2,044	192.40	0.00
29.10	0.00	2,044	192.40	0.00
29.20	0.00	2,044	192.40	0.00
29.30	0.00	2,044	192.40	0.00
29.40	0.00	2,044	192.40	0.00
29.50	0.00	2,044	192.40	0.00
29.60	0.00	2,044	192.40	0.00
29.70	0.00	2,044	192.40	0.00
29.80	0.00	2,044	192.40	0.00
29.90	0.00	2,044	192.40	0.00
30.00	0.00	2,044	192.40	0.00
30.10	0.00	2,044	192.40	0.00
30.20	0.00	2,044	192.40	0.00
30.30	0.00	2,044	192.40	0.00
30.40	0.00	2,044	192.40	0.00
30.50	0.00	2,044	192.40	0.00
30.60	0.00	2,044	192.40	0.00
30.70	0.00	2,044	192.40	0.00
30.80	0.00	2,044	192.40	0.00
30.90	0.00	2,044	192.40	0.00
31.00	0.00	2,044	192.40	0.00
31.10	0.00	2,044	192.40	0.00

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	2,044	192.40	0.00
31.30	0.00	2,044	192.40	0.00
31.40	0.00	2,044	192.40	0.00
31.50	0.00	2,044	192.40	0.00
31.60	0.00	2,044	192.40	0.00
31.70	0.00	2,044	192.40	0.00
31.80	0.00	2,044	192.40	0.00
31.90	0.00	2,044	192.40	0.00
32.00	0.00	2,044	192.40	0.00
32.10	0.00	2,044	192.40	0.00
32.20	0.00	2,044	192.40	0.00
32.30	0.00	2,044	192.40	0.00
32.40	0.00	2,044	192.40	0.00
32.50	0.00	2,044	192.40	0.00
32.60	0.00	2,044	192.40	0.00
32.70	0.00	2,044	192.40	0.00
32.80	0.00	2,044	192.40	0.00
32.90	0.00	2,044	192.40	0.00
33.00	0.00	2,044	192.40	0.00
33.10	0.00	2,044	192.40	0.00
33.20	0.00	2,044	192.40	0.00
33.30	0.00	2,044	192.40	0.00
33.40	0.00	2,044	192.40	0.00
33.50	0.00	2,044	192.40	0.00
33.60	0.00	2,044	192.40	0.00
33.70	0.00	2,044	192.40	0.00
33.80	0.00	2,044	192.40	0.00
33.90	0.00	2,044	192.40	0.00
34.00	0.00	2,044	192.40	0.00
34.10	0.00	2,044	192.40	0.00
34.20	0.00	2,044	192.40	0.00
34.30	0.00	2,044	192.40	0.00
34.40	0.00	2,044	192.40	0.00
34.50	0.00	2,044	192.40	0.00
34.60	0.00	2,044	192.40	0.00
34.70	0.00	2,044	192.40	0.00
34.80	0.00	2,044	192.40	0.00
34.90	0.00	2,044	192.40	0.00
35.00	0.00	2,044	192.40	0.00
35.10	0.00	2,044	192.40	0.00
35.20	0.00	2,044	192.40	0.00
35.30	0.00	2,044	192.40	0.00
35.40	0.00	2,044	192.40	0.00
35.50	0.00	2,044	192.40	0.00
35.60	0.00	2,044	192.40	0.00
35.70	0.00	2,044	192.40	0.00
35.80	0.00	2,044	192.40	0.00
35.90	0.00	2,044	192.40	0.00
36.00	0.00	2,044	192.40	0.00
36.10	0.00	2,044	192.40	0.00
36.20	0.00	2,044	192.40	0.00
36.30	0.00	2,044	192.40	0.00

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	2,044	192.40	0.00
36.50	0.00	2,044	192.40	0.00
36.60	0.00	2,044	192.40	0.00
36.70	0.00	2,044	192.40	0.00
36.80	0.00	2,044	192.40	0.00
36.90	0.00	2,044	192.40	0.00
37.00	0.00	2,044	192.40	0.00
37.10	0.00	2,044	192.40	0.00
37.20	0.00	2,044	192.40	0.00
37.30	0.00	2,044	192.40	0.00
37.40	0.00	2,044	192.40	0.00
37.50	0.00	2,044	192.40	0.00
37.60	0.00	2,044	192.40	0.00
37.70	0.00	2,044	192.40	0.00
37.80	0.00	2,044	192.40	0.00
37.90	0.00	2,044	192.40	0.00
38.00	0.00	2,044	192.40	0.00
38.10	0.00	2,044	192.40	0.00
38.20	0.00	2,044	192.40	0.00
38.30	0.00	2,044	192.40	0.00
38.40	0.00	2,044	192.40	0.00
38.50	0.00	2,044	192.40	0.00
38.60	0.00	2,044	192.40	0.00
38.70	0.00	2,044	192.40	0.00
38.80	0.00	2,044	192.40	0.00
38.90	0.00	2,044	192.40	0.00
39.00	0.00	2,044	192.40	0.00
39.10	0.00	2,044	192.40	0.00
39.20	0.00	2,044	192.40	0.00
39.30	0.00	2,044	192.40	0.00
39.40	0.00	2,044	192.40	0.00
39.50	0.00	2,044	192.40	0.00
39.60	0.00	2,044	192.40	0.00
39.70	0.00	2,044	192.40	0.00
39.80	0.00	2,044	192.40	0.00
39.90	0.00	2,044	192.40	0.00
40.00	0.00	2,044	192.40	0.00

Stage-Discharge for Pond B-56: Basin #56

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
192.00	0.00	192.52	0.02	193.04	0.12	193.56	0.17
192.01	0.00	192.53	0.03	193.05	0.12	193.57	0.17
192.02	0.00	192.54	0.03	193.06	0.12	193.58	0.17
192.03	0.00	192.55	0.03	193.07	0.12	193.59	0.17
192.04	0.00	192.56	0.04	193.08	0.12	193.60	0.17
192.05	0.00	192.57	0.04	193.09	0.13	193.61	0.17
192.06	0.00	192.58	0.05	193.10	0.13	193.62	0.17
192.07	0.00	192.59	0.05	193.11	0.13	193.63	0.17
192.08	0.00	192.60	0.05	193.12	0.13	193.64	0.17
192.09	0.00	192.61	0.05	193.13	0.13	193.65	0.18
192.10	0.00	192.62	0.06	193.14	0.13	193.66	0.18
192.11	0.00	192.63	0.06	193.15	0.13	193.67	0.18
192.12	0.00	192.64	0.06	193.16	0.13	193.68	0.18
192.13	0.00	192.65	0.06	193.17	0.13	193.69	0.18
192.14	0.00	192.66	0.06	193.18	0.13	193.70	0.18
192.15	0.00	192.67	0.07	193.19	0.14	193.71	0.18
192.16	0.00	192.68	0.07	193.20	0.14	193.72	0.18
192.17	0.00	192.69	0.07	193.21	0.14	193.73	0.18
192.18	0.00	192.70	0.07	193.22	0.14	193.74	0.18
192.19	0.00	192.71	0.07	193.23	0.14	193.75	0.18
192.20	0.00	192.72	0.08	193.24	0.14	193.76	0.18
192.21	0.00	192.73	0.08	193.25	0.14	193.77	0.18
192.22	0.00	192.74	0.08	193.26	0.14	193.78	0.19
192.23	0.00	192.75	0.08	193.27	0.14	193.79	0.19
192.24	0.00	192.76	0.08	193.28	0.14	193.80	0.19
192.25	0.00	192.77	0.08	193.29	0.15	193.81	0.19
192.26	0.00	192.78	0.09	193.30	0.15	193.82	0.19
192.27	0.00	192.79	0.09	193.31	0.15	193.83	0.19
192.28	0.00	192.80	0.09	193.32	0.15	193.84	0.19
192.29	0.00	192.81	0.09	193.33	0.15	193.85	0.19
192.30	0.00	192.82	0.09	193.34	0.15	193.86	0.19
192.31	0.00	192.83	0.09	193.35	0.15	193.87	0.19
192.32	0.00	192.84	0.10	193.36	0.15	193.88	0.19
192.33	0.00	192.85	0.10	193.37	0.15	193.89	0.19
192.34	0.00	192.86	0.10	193.38	0.15	193.90	0.19
192.35	0.00	192.87	0.10	193.39	0.15	193.91	0.19
192.36	0.00	192.88	0.10	193.40	0.16	193.92	0.20
192.37	0.00	192.89	0.10	193.41	0.16	193.93	0.20
192.38	0.00	192.90	0.10	193.42	0.16	193.94	0.20
192.39	0.00	192.91	0.10	193.43	0.16	193.95	0.20
192.40	0.00	192.92	0.11	193.44	0.16	193.96	0.20
192.41	0.00	192.93	0.11	193.45	0.16	193.97	0.20
192.42	0.00	192.94	0.11	193.46	0.16	193.98	0.20
192.43	0.00	192.95	0.11	193.47	0.16	193.99	0.20
192.44	0.00	192.96	0.11	193.48	0.16	194.00	0.20
192.45	0.00	192.97	0.11	193.49	0.16	194.01	0.20
192.46	0.01	192.98	0.11	193.50	0.16	194.02	0.20
192.47	0.01	192.99	0.11	193.51	0.16	194.03	0.20
192.48	0.01	193.00	0.12	193.52	0.17	194.04	0.20
192.49	0.01	193.01	0.12	193.53	0.17	194.05	0.20
192.50	0.02	193.02	0.12	193.54	0.17	194.06	0.20
192.51	0.02	193.03	0.12	193.55	0.17	194.07	0.21

Stage-Discharge for Pond B-56: Basin #56 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
194.08	0.21	194.60	0.24	195.12	4.00	195.64	18.17
194.09	0.21	194.61	0.24	195.13	4.13	195.65	19.03
194.10	0.21	194.62	0.24	195.14	4.25	195.66	19.90
194.11	0.21	194.63	0.24	195.15	4.38	195.67	20.81
194.12	0.21	194.64	0.24	195.16	4.51	195.68	21.73
194.13	0.21	194.65	0.24	195.17	4.64	195.69	22.68
194.14	0.21	194.66	0.24	195.18	4.78	195.70	23.65
194.15	0.21	194.67	0.24	195.19	4.91	195.71	24.67
194.16	0.21	194.68	0.24	195.20	5.05	195.72	25.73
194.17	0.21	194.69	0.26	195.21	5.18	195.73	26.81
194.18	0.21	194.70	0.28	195.22	5.32	195.74	27.92
194.19	0.21	194.71	0.31	195.23	5.46	195.75	29.05
194.20	0.21	194.72	0.35	195.24	5.60	195.76	30.21
194.21	0.21	194.73	0.39	195.25	5.74	195.77	31.40
194.22	0.22	194.74	0.44	195.26	5.88	195.78	32.61
194.23	0.22	194.75	0.49	195.27	6.03	195.79	33.84
194.24	0.22	194.76	0.54	195.28	6.17	195.80	35.10
194.25	0.22	194.77	0.60	195.29	6.32	195.81	36.39
194.26	0.22	194.78	0.66	195.30	6.46	195.82	37.70
194.27	0.22	194.79	0.72	195.31	6.61	195.83	39.04
194.28	0.22	194.80	0.79	195.32	6.76	195.84	40.40
194.29	0.22	194.81	0.86	195.33	6.91	195.85	41.78
194.30	0.22	194.82	0.93	195.34	7.06	195.86	43.12
194.31	0.22	194.83	1.00	195.35	7.21	195.87	44.39
194.32	0.22	194.84	1.08	195.36	7.36	195.88	45.68
194.33	0.22	194.85	1.16	195.37	7.52	195.89	46.99
194.34	0.22	194.86	1.24	195.38	7.67	195.90	48.33
194.35	0.22	194.87	1.33	195.39	7.83	195.91	49.72
194.36	0.22	194.88	1.41	195.40	7.98	195.92	51.13
194.37	0.22	194.89	1.50	195.41	8.14	195.93	52.57
194.38	0.22	194.90	1.59	195.42	8.30	195.94	54.04
194.39	0.23	194.91	1.68	195.43	8.46	195.95	55.53
194.40	0.23	194.92	1.77	195.44	8.62	195.96	57.05
194.41	0.23	194.93	1.87	195.45	8.78	195.97	58.59
194.42	0.23	194.94	1.97	195.46	8.94	195.98	60.17
194.43	0.23	194.95	2.07	195.47	9.10	195.99	61.76
194.44	0.23	194.96	2.17	195.48	9.27	196.00	**63.39**
194.45	0.23	194.97	2.27	195.49	9.43		
194.46	0.23	194.98	2.38	195.50	9.60		
194.47	0.23	194.99	2.48	195.51	9.88		
194.48	0.23	195.00	2.59	195.52	10.26		
194.49	0.23	195.01	2.70	195.53	10.71		
194.50	0.23	195.02	2.81	195.54	11.21		
194.51	0.23	195.03	2.92	195.55	11.75		
194.52	0.23	195.04	3.04	195.56	12.33		
194.53	0.23	195.05	3.15	195.57	12.96		
194.54	0.23	195.06	3.27	195.58	13.61		
194.55	0.23	195.07	3.39	195.59	14.30		
194.56	0.24	195.08	3.51	195.60	15.02		
194.57	0.24	195.09	3.63	195.61	15.77		
194.58	0.24	195.10	3.75	195.62	16.54		
194.59	0.24	195.11	3.87	195.63	17.34		

Stage-Area-Storage for Pond B-56: Basin #56

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
192.00	5,021	0	192.52	5,265	2,674
192.01	5,026	50	192.53	5,270	2,727
192.02	5,030	101	192.54	5,274	2,780
192.03	5,035	151	192.55	5,279	2,832
192.04	5,040	201	192.56	5,284	2,885
192.05	5,044	252	192.57	5,288	2,938
192.06	5,049	302	192.58	5,293	2,991
192.07	5,054	353	192.59	5,298	3,044
192.08	5,059	403	192.60	5,302	3,097
192.09	5,063	454	192.61	5,307	3,150
192.10	5,068	504	192.62	5,312	3,203
192.11	5,073	555	192.63	5,316	3,256
192.12	5,077	606	192.64	5,321	3,309
192.13	5,082	657	192.65	5,326	3,363
192.14	5,087	708	192.66	5,331	3,416
192.15	5,091	758	192.67	5,335	3,469
192.16	5,096	809	192.68	5,340	3,523
192.17	5,101	860	192.69	5,345	3,576
192.18	5,105	911	192.70	5,349	3,630
192.19	5,110	962	192.71	5,354	3,683
192.20	5,115	1,014	192.72	5,359	3,737
192.21	5,119	1,065	192.73	5,363	3,790
192.22	5,124	1,116	192.74	5,368	3,844
192.23	5,129	1,167	192.75	5,373	3,898
192.24	5,134	1,219	192.76	5,377	3,951
192.25	5,138	1,270	192.77	5,382	4,005
192.26	5,143	1,321	192.78	5,387	4,059
192.27	5,148	1,373	192.79	5,392	4,113
192.28	5,152	1,424	192.80	5,396	4,167
192.29	5,157	1,476	192.81	5,401	4,221
192.30	5,162	1,527	192.82	5,406	4,275
192.31	5,166	1,579	192.83	5,410	4,329
192.32	5,171	1,631	192.84	5,415	4,383
192.33	5,176	1,682	192.85	5,420	4,437
192.34	5,180	1,734	192.86	5,424	4,491
192.35	5,185	1,786	192.87	5,429	4,546
192.36	5,190	1,838	192.88	5,434	4,600
192.37	5,195	1,890	192.89	5,438	4,654
192.38	5,199	1,942	192.90	5,443	4,709
192.39	5,204	1,994	192.91	5,448	4,763
192.40	5,209	2,046	192.92	5,452	4,818
192.41	5,213	2,098	192.93	5,457	4,872
192.42	5,218	2,150	192.94	5,462	4,927
192.43	5,223	2,202	192.95	5,467	4,982
192.44	5,227	2,255	192.96	5,471	5,036
192.45	5,232	2,307	192.97	5,476	5,091
192.46	5,237	2,359	192.98	5,481	5,146
192.47	5,241	2,412	192.99	5,485	5,201
192.48	5,246	2,464	193.00	5,490	5,256
192.49	5,251	2,517	193.01	5,495	5,310
192.50	5,256	2,569	193.02	5,500	5,365
192.51	5,260	2,622	193.03	5,505	5,420

Stage-Area-Storage for Pond B-56: Basin #56 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
193.04	5,509	5,475	193.56	5,762	8,406
193.05	5,514	5,531	193.57	5,767	8,464
193.06	5,519	5,586	193.58	5,772	8,521
193.07	5,524	5,641	193.59	5,777	8,579
193.08	5,529	5,696	193.60	5,782	8,637
193.09	5,534	5,752	193.61	5,786	8,695
193.10	5,539	5,807	193.62	5,791	8,753
193.11	5,543	5,862	193.63	5,796	8,811
193.12	5,548	5,918	193.64	5,801	8,869
193.13	5,553	5,973	193.65	5,806	8,927
193.14	5,558	6,029	193.66	5,811	8,985
193.15	5,563	6,084	193.67	5,816	9,043
193.16	5,568	6,140	193.68	5,820	9,101
193.17	5,573	6,196	193.69	5,825	9,159
193.18	5,577	6,252	193.70	5,830	9,218
193.19	5,582	6,307	193.71	5,835	9,276
193.20	5,587	6,363	193.72	5,840	9,334
193.21	5,592	6,419	193.73	5,845	9,393
193.22	5,597	6,475	193.74	5,850	9,451
193.23	5,602	6,531	193.75	5,855	9,510
193.24	5,607	6,587	193.76	5,859	9,568
193.25	5,612	6,643	193.77	5,864	9,627
193.26	5,616	6,699	193.78	5,869	9,686
193.27	5,621	6,756	193.79	5,874	9,744
193.28	5,626	6,812	193.80	5,879	9,803
193.29	5,631	6,868	193.81	5,884	9,862
193.30	5,636	6,924	193.82	5,889	9,921
193.31	5,641	6,981	193.83	5,893	9,980
193.32	5,646	7,037	193.84	5,898	10,039
193.33	5,650	7,094	193.85	5,903	10,098
193.34	5,655	7,150	193.86	5,908	10,157
193.35	5,660	7,207	193.87	5,913	10,216
193.36	5,665	7,263	193.88	5,918	10,275
193.37	5,670	7,320	193.89	5,923	10,334
193.38	5,675	7,377	193.90	5,927	10,393
193.39	5,680	7,434	193.91	5,932	10,453
193.40	5,684	7,490	193.92	5,937	10,512
193.41	5,689	7,547	193.93	5,942	10,571
193.42	5,694	7,604	193.94	5,947	10,631
193.43	5,699	7,661	193.95	5,952	10,690
193.44	5,704	7,718	193.96	5,957	10,750
193.45	5,709	7,775	193.97	5,961	10,809
193.46	5,714	7,832	193.98	5,966	10,869
193.47	5,718	7,889	193.99	5,971	10,929
193.48	5,723	7,947	194.00	5,976	10,989
193.49	5,728	8,004	194.01	5,981	11,048
193.50	5,733	8,061	194.02	5,986	11,108
193.51	5,738	8,119	194.03	5,991	11,168
193.52	5,743	8,176	194.04	5,996	11,228
193.53	5,748	8,233	194.05	6,001	11,288
193.54	5,752	8,291	194.06	6,006	11,348
193.55	5,757	8,349	194.07	6,011	11,408

Stage-Area-Storage for Pond B-56: Basin #56 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
194.08	6,016	11,468	194.60	6,277	14,664
194.09	6,021	11,528	194.61	6,282	14,727
194.10	6,026	11,589	194.62	6,287	14,790
194.11	6,031	11,649	194.63	6,292	14,853
194.12	6,036	11,709	194.64	6,297	14,916
194.13	6,041	11,770	194.65	6,302	14,979
194.14	6,046	11,830	194.66	6,307	15,042
194.15	6,051	11,891	194.67	6,312	15,105
194.16	6,056	11,951	194.68	6,317	15,168
194.17	6,061	12,012	194.69	6,322	15,231
194.18	6,066	12,072	194.70	6,327	15,295
194.19	6,071	12,133	194.71	6,332	15,358
194.20	6,076	12,194	194.72	6,337	15,421
194.21	6,081	12,255	194.73	6,342	15,485
194.22	6,086	12,315	194.74	6,347	15,548
194.23	6,091	12,376	194.75	6,353	15,612
194.24	6,096	12,437	194.76	6,358	15,675
194.25	6,102	12,498	194.77	6,363	15,739
194.26	6,107	12,559	194.78	6,368	15,802
194.27	6,112	12,620	194.79	6,373	15,866
194.28	6,117	12,681	194.80	6,378	15,930
194.29	6,122	12,743	194.81	6,383	15,994
194.30	6,127	12,804	194.82	6,388	16,058
194.31	6,132	12,865	194.83	6,393	16,121
194.32	6,137	12,927	194.84	6,398	16,185
194.33	6,142	12,988	194.85	6,403	16,249
194.34	6,147	13,049	194.86	6,408	16,313
194.35	6,152	13,111	194.87	6,413	16,378
194.36	6,157	13,172	194.88	6,418	16,442
194.37	6,162	13,234	194.89	6,423	16,506
194.38	6,167	13,296	194.90	6,428	16,570
194.39	6,172	13,357	194.91	6,433	16,635
194.40	6,177	13,419	194.92	6,438	16,699
194.41	6,182	13,481	194.93	6,443	16,763
194.42	6,187	13,543	194.94	6,448	16,828
194.43	6,192	13,605	194.95	6,453	16,892
194.44	6,197	13,667	194.96	6,458	16,957
194.45	6,202	13,729	194.97	6,463	17,021
194.46	6,207	13,791	194.98	6,468	17,086
194.47	6,212	13,853	194.99	6,473	17,151
194.48	6,217	13,915	195.00	6,478	17,216
194.49	6,222	13,977	195.01	6,483	17,280
194.50	6,227	14,039	195.02	6,488	17,345
194.51	6,232	14,102	195.03	6,494	17,410
194.52	6,237	14,164	195.04	6,499	17,475
194.53	6,242	14,226	195.05	6,504	17,540
194.54	6,247	14,289	195.06	6,509	17,605
194.55	6,252	14,351	195.07	6,514	17,670
194.56	6,257	14,414	195.08	6,519	17,735
194.57	6,262	14,476	195.09	6,525	17,801
194.58	6,267	14,539	195.10	6,530	17,866
194.59	6,272	14,602	195.11	6,535	17,931

Stage-Area-Storage for Pond B-56: Basin #56 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
195.12	6,540	17,997
195.13	6,545	18,062
195.14	6,550	18,127
195.15	6,556	18,193
195.16	6,561	18,259
195.17	6,566	18,324
195.18	6,571	18,390
195.19	6,576	18,456
195.20	6,581	18,521
195.21	6,587	18,587
195.22	6,592	18,653
195.23	6,597	18,719
195.24	6,602	18,785
195.25	6,607	18,851
195.26	6,612	18,917
195.27	6,618	18,983
195.28	6,623	19,050
195.29	6,628	19,116
195.30	6,633	19,182
195.31	6,638	19,249
195.32	6,643	19,315
195.33	6,649	19,381
195.34	6,654	19,448
195.35	6,659	19,514
195.36	6,664	19,581
195.37	6,669	19,648
195.38	6,674	19,714
195.39	6,680	19,781
195.40	6,685	19,848
195.41	6,690	19,915
195.42	6,695	19,982
195.43	6,700	20,049
195.44	6,705	20,116
195.45	6,711	20,183
195.46	6,716	20,250
195.47	6,721	20,317
195.48	6,726	20,384
195.49	6,731	20,452
195.50	6,737	20,519
195.51	6,742	20,587
195.52	6,747	20,654
195.53	6,752	20,721
195.54	6,757	20,789
195.55	6,762	20,857
195.56	6,768	20,924
195.57	6,773	20,992
195.58	6,778	21,060
195.59	6,783	21,128
195.60	6,788	21,195
195.61	6,793	21,263
195.62	6,799	21,331
195.63	6,804	21,399
195.64	6,809	21,467
195.65	6,814	21,535
195.66	6,819	21,604
195.67	6,824	21,672
195.68	6,830	21,740
195.69	6,835	21,808
195.70	6,840	21,877
195.71	6,845	21,945
195.72	6,850	22,014
195.73	6,855	22,082
195.74	6,861	22,151
195.75	6,866	22,219
195.76	6,871	22,288
195.77	6,876	22,357
195.78	6,881	22,426
195.79	6,886	22,494
195.80	6,892	22,563
195.81	6,897	22,632
195.82	6,902	22,701
195.83	6,907	22,770
195.84	6,912	22,839
195.85	6,917	22,909
195.86	6,923	22,978
195.87	6,928	23,047
195.88	6,933	23,116
195.89	6,938	23,186
195.90	6,943	23,255
195.91	6,948	23,325
195.92	6,954	23,394
195.93	6,959	23,464
195.94	6,964	23,533
195.95	6,969	23,603
195.96	6,974	23,673
195.97	6,979	23,742
195.98	6,985	23,812
195.99	6,990	23,882
196.00	**6,995**	**23,952**

Summary for Pond B-57: Basin #57

Inflow Area = 1.434 ac, 47.56% Impervious, Inflow Depth = 0.53" for WQ Storm event
Inflow = 2.05 cfs @ 1.06 hrs, Volume= 0.063 af
Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Atten= 100%, Lag= 0.0 min
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Pond B-58 : Basin #58

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 202.67' @ 2.50 hrs Surf.Area= 4,315 sf Storage= 2,763 cf

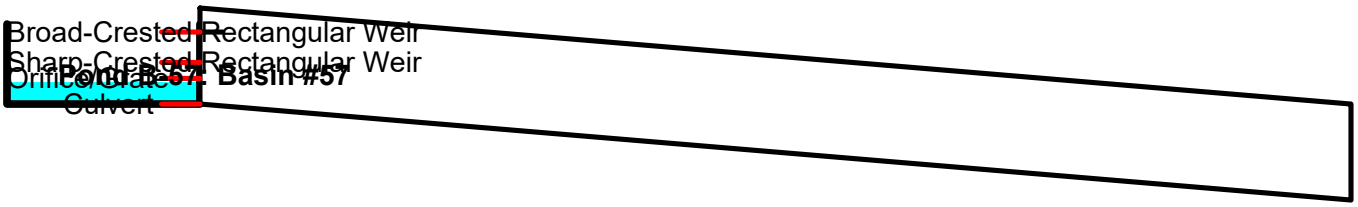
Plug-Flow detention time= (not calculated: initial storage exceeds outflow)
Center-of-Mass det. time= (not calculated: no outflow)

Volume	Invert	Avail.Storage	Storage Description
#1	202.00'	11,650 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

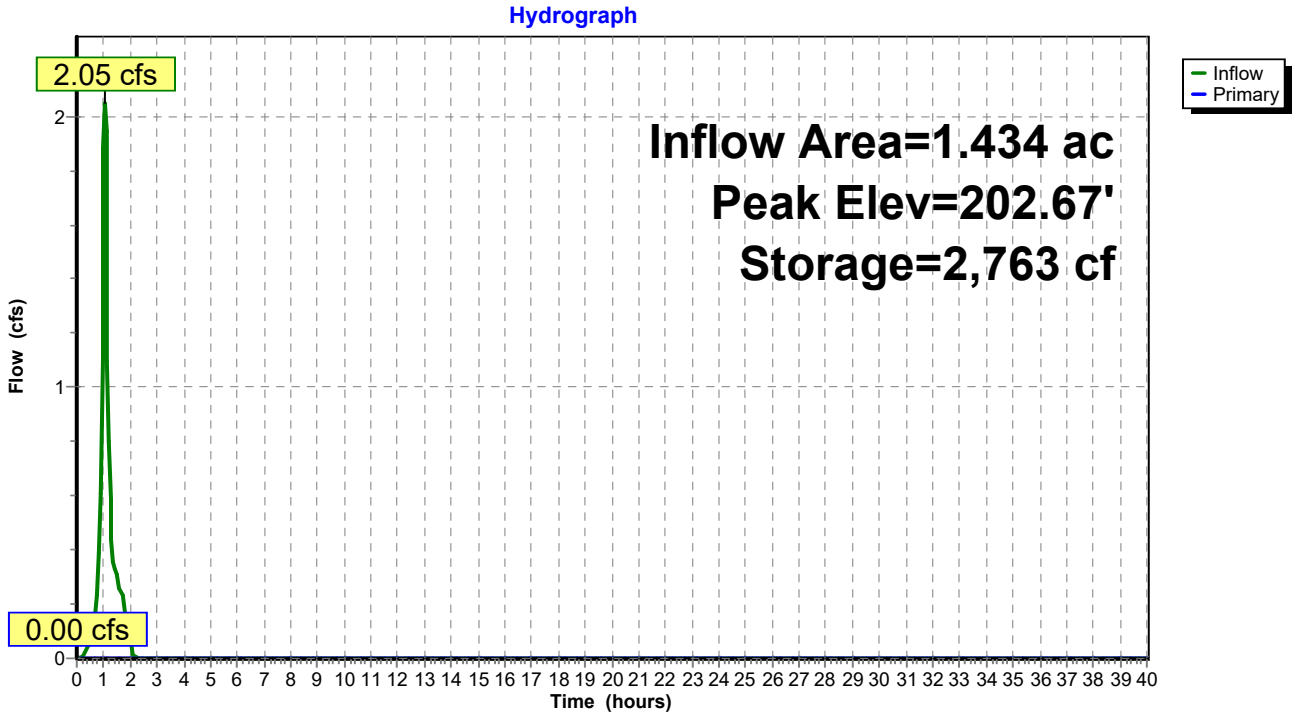
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
202.00	3,969	0	0
203.00	4,488	4,229	4,229
204.00	5,034	4,761	8,990
204.50	5,608	2,661	11,650

Device	Routing	Invert	Outlet Devices
#1	Primary	202.00'	**36.0" Round Culvert** L= 252.0' Ke= 0.500 Inlet / Outlet Invert= 202.00' / 199.00' S= 0.0119 '/' Cc= 0.900 n= 0.013, Flow Area= 7.07 sf
#2	Device 1	202.80'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	203.30'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	204.25'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=202.00' (Free Discharge)
- **1=Culvert** (Controls 0.00 cfs)
  - **2=Orifice/Grate** (Controls 0.00 cfs)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-57: Basin #57



Hydrograph for Pond B-57: Basin #57

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	202.00	**0.00**
0.10	0.00	0	202.00	0.00
0.20	0.00	0	202.00	0.00
0.30	0.00	0	202.00	0.00
0.40	0.03	4	202.00	0.00
0.50	0.07	21	202.01	0.00
0.60	0.13	58	202.01	0.00
0.70	0.17	112	202.03	0.00
0.80	0.28	185	202.05	0.00
0.90	0.61	335	202.08	0.00
1.00	**1.89**	759	202.19	0.00
1.10	**1.95**	1,473	202.36	0.00
1.20	0.80	1,919	202.47	0.00
1.30	0.44	2,137	202.52	0.00
1.40	0.33	2,270	202.55	0.00
1.50	0.32	2,388	202.58	0.00
1.60	0.26	2,492	202.60	0.00
1.70	0.25	2,584	202.63	0.00
1.80	0.17	2,667	202.64	0.00
1.90	0.09	2,711	202.66	0.00
2.00	0.09	2,743	202.66	0.00
2.10	0.01	2,760	202.67	0.00
2.20	0.00	2,762	202.67	0.00
2.30	0.00	2,763	202.67	0.00
2.40	0.00	2,763	202.67	0.00
2.50	0.00	**2,763**	**202.67**	0.00
2.60	0.00	2,763	202.67	0.00
2.70	0.00	2,763	202.67	0.00
2.80	0.00	2,763	202.67	0.00
2.90	0.00	2,763	202.67	0.00
3.00	0.00	2,763	202.67	0.00
3.10	0.00	2,763	202.67	0.00
3.20	0.00	2,763	202.67	0.00
3.30	0.00	2,763	202.67	0.00
3.40	0.00	2,763	202.67	0.00
3.50	0.00	2,763	202.67	0.00
3.60	0.00	2,763	202.67	0.00
3.70	0.00	2,763	202.67	0.00
3.80	0.00	2,763	202.67	0.00
3.90	0.00	2,763	202.67	0.00
4.00	0.00	2,763	202.67	0.00
4.10	0.00	2,763	202.67	0.00
4.20	0.00	2,763	202.67	0.00
4.30	0.00	2,763	202.67	0.00
4.40	0.00	2,763	202.67	0.00
4.50	0.00	2,763	202.67	0.00
4.60	0.00	2,763	202.67	0.00
4.70	0.00	2,763	202.67	0.00
4.80	0.00	2,763	202.67	0.00
4.90	0.00	2,763	202.67	0.00
5.00	0.00	2,763	202.67	0.00
5.10	0.00	2,763	202.67	0.00

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	2,763	202.67	0.00
5.30	0.00	2,763	202.67	0.00
5.40	0.00	2,763	202.67	0.00
5.50	0.00	2,763	202.67	0.00
5.60	0.00	2,763	202.67	0.00
5.70	0.00	2,763	202.67	0.00
5.80	0.00	2,763	202.67	0.00
5.90	0.00	2,763	202.67	0.00
6.00	0.00	2,763	202.67	0.00
6.10	0.00	2,763	202.67	0.00
6.20	0.00	2,763	202.67	0.00
6.30	0.00	2,763	202.67	0.00
6.40	0.00	2,763	202.67	0.00
6.50	0.00	2,763	202.67	0.00
6.60	0.00	2,763	202.67	0.00
6.70	0.00	2,763	202.67	0.00
6.80	0.00	2,763	202.67	0.00
6.90	0.00	2,763	202.67	0.00
7.00	0.00	2,763	202.67	0.00
7.10	0.00	2,763	202.67	0.00
7.20	0.00	2,763	202.67	0.00
7.30	0.00	2,763	202.67	0.00
7.40	0.00	2,763	202.67	0.00
7.50	0.00	2,763	202.67	0.00
7.60	0.00	2,763	202.67	0.00
7.70	0.00	2,763	202.67	0.00
7.80	0.00	2,763	202.67	0.00
7.90	0.00	2,763	202.67	0.00
8.00	0.00	2,763	202.67	0.00
8.10	0.00	2,763	202.67	0.00
8.20	0.00	2,763	202.67	0.00
8.30	0.00	2,763	202.67	0.00
8.40	0.00	2,763	202.67	0.00
8.50	0.00	2,763	202.67	0.00
8.60	0.00	2,763	202.67	0.00
8.70	0.00	2,763	202.67	0.00
8.80	0.00	2,763	202.67	0.00
8.90	0.00	2,763	202.67	0.00
9.00	0.00	2,763	202.67	0.00
9.10	0.00	2,763	202.67	0.00
9.20	0.00	2,763	202.67	0.00
9.30	0.00	2,763	202.67	0.00
9.40	0.00	2,763	202.67	0.00
9.50	0.00	2,763	202.67	0.00
9.60	0.00	2,763	202.67	0.00
9.70	0.00	2,763	202.67	0.00
9.80	0.00	2,763	202.67	0.00
9.90	0.00	2,763	202.67	0.00
10.00	0.00	2,763	202.67	0.00
10.10	0.00	2,763	202.67	0.00
10.20	0.00	2,763	202.67	0.00
10.30	0.00	2,763	202.67	0.00

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.00	2,763	202.67	0.00
10.50	0.00	2,763	202.67	0.00
10.60	0.00	2,763	202.67	0.00
10.70	0.00	2,763	202.67	0.00
10.80	0.00	2,763	202.67	0.00
10.90	0.00	2,763	202.67	0.00
11.00	0.00	2,763	202.67	0.00
11.10	0.00	2,763	202.67	0.00
11.20	0.00	2,763	202.67	0.00
11.30	0.00	2,763	202.67	0.00
11.40	0.00	2,763	202.67	0.00
11.50	0.00	2,763	202.67	0.00
11.60	0.00	2,763	202.67	0.00
11.70	0.00	2,763	202.67	0.00
11.80	0.00	2,763	202.67	0.00
11.90	0.00	2,763	202.67	0.00
12.00	0.00	2,763	202.67	0.00
12.10	0.00	2,763	202.67	0.00
12.20	0.00	2,763	202.67	0.00
12.30	0.00	2,763	202.67	0.00
12.40	0.00	2,763	202.67	0.00
12.50	0.00	2,763	202.67	0.00
12.60	0.00	2,763	202.67	0.00
12.70	0.00	2,763	202.67	0.00
12.80	0.00	2,763	202.67	0.00
12.90	0.00	2,763	202.67	0.00
13.00	0.00	2,763	202.67	0.00
13.10	0.00	2,763	202.67	0.00
13.20	0.00	2,763	202.67	0.00
13.30	0.00	2,763	202.67	0.00
13.40	0.00	2,763	202.67	0.00
13.50	0.00	2,763	202.67	0.00
13.60	0.00	2,763	202.67	0.00
13.70	0.00	2,763	202.67	0.00
13.80	0.00	2,763	202.67	0.00
13.90	0.00	2,763	202.67	0.00
14.00	0.00	2,763	202.67	0.00
14.10	0.00	2,763	202.67	0.00
14.20	0.00	2,763	202.67	0.00
14.30	0.00	2,763	202.67	0.00
14.40	0.00	2,763	202.67	0.00
14.50	0.00	2,763	202.67	0.00
14.60	0.00	2,763	202.67	0.00
14.70	0.00	2,763	202.67	0.00
14.80	0.00	2,763	202.67	0.00
14.90	0.00	2,763	202.67	0.00
15.00	0.00	2,763	202.67	0.00
15.10	0.00	2,763	202.67	0.00
15.20	0.00	2,763	202.67	0.00
15.30	0.00	2,763	202.67	0.00
15.40	0.00	2,763	202.67	0.00
15.50	0.00	2,763	202.67	0.00

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.00	2,763	202.67	0.00
15.70	0.00	2,763	202.67	0.00
15.80	0.00	2,763	202.67	0.00
15.90	0.00	2,763	202.67	0.00
16.00	0.00	2,763	202.67	0.00
16.10	0.00	2,763	202.67	0.00
16.20	0.00	2,763	202.67	0.00
16.30	0.00	2,763	202.67	0.00
16.40	0.00	2,763	202.67	0.00
16.50	0.00	2,763	202.67	0.00
16.60	0.00	2,763	202.67	0.00
16.70	0.00	2,763	202.67	0.00
16.80	0.00	2,763	202.67	0.00
16.90	0.00	2,763	202.67	0.00
17.00	0.00	2,763	202.67	0.00
17.10	0.00	2,763	202.67	0.00
17.20	0.00	2,763	202.67	0.00
17.30	0.00	2,763	202.67	0.00
17.40	0.00	2,763	202.67	0.00
17.50	0.00	2,763	202.67	0.00
17.60	0.00	2,763	202.67	0.00
17.70	0.00	2,763	202.67	0.00
17.80	0.00	2,763	202.67	0.00
17.90	0.00	2,763	202.67	0.00
18.00	0.00	2,763	202.67	0.00
18.10	0.00	2,763	202.67	0.00
18.20	0.00	2,763	202.67	0.00
18.30	0.00	2,763	202.67	0.00
18.40	0.00	2,763	202.67	0.00
18.50	0.00	2,763	202.67	0.00
18.60	0.00	2,763	202.67	0.00
18.70	0.00	2,763	202.67	0.00
18.80	0.00	2,763	202.67	0.00
18.90	0.00	2,763	202.67	0.00
19.00	0.00	2,763	202.67	0.00
19.10	0.00	2,763	202.67	0.00
19.20	0.00	2,763	202.67	0.00
19.30	0.00	2,763	202.67	0.00
19.40	0.00	2,763	202.67	0.00
19.50	0.00	2,763	202.67	0.00
19.60	0.00	2,763	202.67	0.00
19.70	0.00	2,763	202.67	0.00
19.80	0.00	2,763	202.67	0.00
19.90	0.00	2,763	202.67	0.00
20.00	0.00	2,763	202.67	0.00
20.10	0.00	2,763	202.67	0.00
20.20	0.00	2,763	202.67	0.00
20.30	0.00	2,763	202.67	0.00
20.40	0.00	2,763	202.67	0.00
20.50	0.00	2,763	202.67	0.00
20.60	0.00	2,763	202.67	0.00
20.70	0.00	2,763	202.67	0.00

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.00	2,763	202.67	0.00
20.90	0.00	2,763	202.67	0.00
21.00	0.00	2,763	202.67	0.00
21.10	0.00	2,763	202.67	0.00
21.20	0.00	2,763	202.67	0.00
21.30	0.00	2,763	202.67	0.00
21.40	0.00	2,763	202.67	0.00
21.50	0.00	2,763	202.67	0.00
21.60	0.00	2,763	202.67	0.00
21.70	0.00	2,763	202.67	0.00
21.80	0.00	2,763	202.67	0.00
21.90	0.00	2,763	202.67	0.00
22.00	0.00	2,763	202.67	0.00
22.10	0.00	2,763	202.67	0.00
22.20	0.00	2,763	202.67	0.00
22.30	0.00	2,763	202.67	0.00
22.40	0.00	2,763	202.67	0.00
22.50	0.00	2,763	202.67	0.00
22.60	0.00	2,763	202.67	0.00
22.70	0.00	2,763	202.67	0.00
22.80	0.00	2,763	202.67	0.00
22.90	0.00	2,763	202.67	0.00
23.00	0.00	2,763	202.67	0.00
23.10	0.00	2,763	202.67	0.00
23.20	0.00	2,763	202.67	0.00
23.30	0.00	2,763	202.67	0.00
23.40	0.00	2,763	202.67	0.00
23.50	0.00	2,763	202.67	0.00
23.60	0.00	2,763	202.67	0.00
23.70	0.00	2,763	202.67	0.00
23.80	0.00	2,763	202.67	0.00
23.90	0.00	2,763	202.67	0.00
24.00	0.00	2,763	202.67	0.00
24.10	0.00	2,763	202.67	0.00
24.20	0.00	2,763	202.67	0.00
24.30	0.00	2,763	202.67	0.00
24.40	0.00	2,763	202.67	0.00
24.50	0.00	2,763	202.67	0.00
24.60	0.00	2,763	202.67	0.00
24.70	0.00	2,763	202.67	0.00
24.80	0.00	2,763	202.67	0.00
24.90	0.00	2,763	202.67	0.00
25.00	0.00	2,763	202.67	0.00
25.10	0.00	2,763	202.67	0.00
25.20	0.00	2,763	202.67	0.00
25.30	0.00	2,763	202.67	0.00
25.40	0.00	2,763	202.67	0.00
25.50	0.00	2,763	202.67	0.00
25.60	0.00	2,763	202.67	0.00
25.70	0.00	2,763	202.67	0.00
25.80	0.00	2,763	202.67	0.00
25.90	0.00	2,763	202.67	0.00

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	2,763	202.67	0.00
26.10	0.00	2,763	202.67	0.00
26.20	0.00	2,763	202.67	0.00
26.30	0.00	2,763	202.67	0.00
26.40	0.00	2,763	202.67	0.00
26.50	0.00	2,763	202.67	0.00
26.60	0.00	2,763	202.67	0.00
26.70	0.00	2,763	202.67	0.00
26.80	0.00	2,763	202.67	0.00
26.90	0.00	2,763	202.67	0.00
27.00	0.00	2,763	202.67	0.00
27.10	0.00	2,763	202.67	0.00
27.20	0.00	2,763	202.67	0.00
27.30	0.00	2,763	202.67	0.00
27.40	0.00	2,763	202.67	0.00
27.50	0.00	2,763	202.67	0.00
27.60	0.00	2,763	202.67	0.00
27.70	0.00	2,763	202.67	0.00
27.80	0.00	2,763	202.67	0.00
27.90	0.00	2,763	202.67	0.00
28.00	0.00	2,763	202.67	0.00
28.10	0.00	2,763	202.67	0.00
28.20	0.00	2,763	202.67	0.00
28.30	0.00	2,763	202.67	0.00
28.40	0.00	2,763	202.67	0.00
28.50	0.00	2,763	202.67	0.00
28.60	0.00	2,763	202.67	0.00
28.70	0.00	2,763	202.67	0.00
28.80	0.00	2,763	202.67	0.00
28.90	0.00	2,763	202.67	0.00
29.00	0.00	2,763	202.67	0.00
29.10	0.00	2,763	202.67	0.00
29.20	0.00	2,763	202.67	0.00
29.30	0.00	2,763	202.67	0.00
29.40	0.00	2,763	202.67	0.00
29.50	0.00	2,763	202.67	0.00
29.60	0.00	2,763	202.67	0.00
29.70	0.00	2,763	202.67	0.00
29.80	0.00	2,763	202.67	0.00
29.90	0.00	2,763	202.67	0.00
30.00	0.00	2,763	202.67	0.00
30.10	0.00	2,763	202.67	0.00
30.20	0.00	2,763	202.67	0.00
30.30	0.00	2,763	202.67	0.00
30.40	0.00	2,763	202.67	0.00
30.50	0.00	2,763	202.67	0.00
30.60	0.00	2,763	202.67	0.00
30.70	0.00	2,763	202.67	0.00
30.80	0.00	2,763	202.67	0.00
30.90	0.00	2,763	202.67	0.00
31.00	0.00	2,763	202.67	0.00
31.10	0.00	2,763	202.67	0.00

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	2,763	202.67	0.00
31.30	0.00	2,763	202.67	0.00
31.40	0.00	2,763	202.67	0.00
31.50	0.00	2,763	202.67	0.00
31.60	0.00	2,763	202.67	0.00
31.70	0.00	2,763	202.67	0.00
31.80	0.00	2,763	202.67	0.00
31.90	0.00	2,763	202.67	0.00
32.00	0.00	2,763	202.67	0.00
32.10	0.00	2,763	202.67	0.00
32.20	0.00	2,763	202.67	0.00
32.30	0.00	2,763	202.67	0.00
32.40	0.00	2,763	202.67	0.00
32.50	0.00	2,763	202.67	0.00
32.60	0.00	2,763	202.67	0.00
32.70	0.00	2,763	202.67	0.00
32.80	0.00	2,763	202.67	0.00
32.90	0.00	2,763	202.67	0.00
33.00	0.00	2,763	202.67	0.00
33.10	0.00	2,763	202.67	0.00
33.20	0.00	2,763	202.67	0.00
33.30	0.00	2,763	202.67	0.00
33.40	0.00	2,763	202.67	0.00
33.50	0.00	2,763	202.67	0.00
33.60	0.00	2,763	202.67	0.00
33.70	0.00	2,763	202.67	0.00
33.80	0.00	2,763	202.67	0.00
33.90	0.00	2,763	202.67	0.00
34.00	0.00	2,763	202.67	0.00
34.10	0.00	2,763	202.67	0.00
34.20	0.00	2,763	202.67	0.00
34.30	0.00	2,763	202.67	0.00
34.40	0.00	2,763	202.67	0.00
34.50	0.00	2,763	202.67	0.00
34.60	0.00	2,763	202.67	0.00
34.70	0.00	2,763	202.67	0.00
34.80	0.00	2,763	202.67	0.00
34.90	0.00	2,763	202.67	0.00
35.00	0.00	2,763	202.67	0.00
35.10	0.00	2,763	202.67	0.00
35.20	0.00	2,763	202.67	0.00
35.30	0.00	2,763	202.67	0.00
35.40	0.00	2,763	202.67	0.00
35.50	0.00	2,763	202.67	0.00
35.60	0.00	2,763	202.67	0.00
35.70	0.00	2,763	202.67	0.00
35.80	0.00	2,763	202.67	0.00
35.90	0.00	2,763	202.67	0.00
36.00	0.00	2,763	202.67	0.00
36.10	0.00	2,763	202.67	0.00
36.20	0.00	2,763	202.67	0.00
36.30	0.00	2,763	202.67	0.00

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	2,763	202.67	0.00
36.50	0.00	2,763	202.67	0.00
36.60	0.00	2,763	202.67	0.00
36.70	0.00	2,763	202.67	0.00
36.80	0.00	2,763	202.67	0.00
36.90	0.00	2,763	202.67	0.00
37.00	0.00	2,763	202.67	0.00
37.10	0.00	2,763	202.67	0.00
37.20	0.00	2,763	202.67	0.00
37.30	0.00	2,763	202.67	0.00
37.40	0.00	2,763	202.67	0.00
37.50	0.00	2,763	202.67	0.00
37.60	0.00	2,763	202.67	0.00
37.70	0.00	2,763	202.67	0.00
37.80	0.00	2,763	202.67	0.00
37.90	0.00	2,763	202.67	0.00
38.00	0.00	2,763	202.67	0.00
38.10	0.00	2,763	202.67	0.00
38.20	0.00	2,763	202.67	0.00
38.30	0.00	2,763	202.67	0.00
38.40	0.00	2,763	202.67	0.00
38.50	0.00	2,763	202.67	0.00
38.60	0.00	2,763	202.67	0.00
38.70	0.00	2,763	202.67	0.00
38.80	0.00	2,763	202.67	0.00
38.90	0.00	2,763	202.67	0.00
39.00	0.00	2,763	202.67	0.00
39.10	0.00	2,763	202.67	0.00
39.20	0.00	2,763	202.67	0.00
39.30	0.00	2,763	202.67	0.00
39.40	0.00	2,763	202.67	0.00
39.50	0.00	2,763	202.67	0.00
39.60	0.00	2,763	202.67	0.00
39.70	0.00	2,763	202.67	0.00
39.80	0.00	2,763	202.67	0.00
39.90	0.00	2,763	202.67	0.00
40.00	0.00	2,763	202.67	0.00

Stage-Discharge for Pond B-57: Basin #57

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
202.00	0.00	202.52	0.00	203.04	0.06	203.56	1.84
202.01	0.00	202.53	0.00	203.05	0.06	203.57	1.94
202.02	0.00	202.54	0.00	203.06	0.06	203.58	2.05
202.03	0.00	202.55	0.00	203.07	0.07	203.59	2.15
202.04	0.00	202.56	0.00	203.08	0.07	203.60	2.25
202.05	0.00	202.57	0.00	203.09	0.07	203.61	2.36
202.06	0.00	202.58	0.00	203.10	0.07	203.62	2.47
202.07	0.00	202.59	0.00	203.11	0.07	203.63	2.58
202.08	0.00	202.60	0.00	203.12	0.08	203.64	2.69
202.09	0.00	202.61	0.00	203.13	0.08	203.65	2.80
202.10	0.00	202.62	0.00	203.14	0.08	203.66	2.92
202.11	0.00	202.63	0.00	203.15	0.08	203.67	3.03
202.12	0.00	202.64	0.00	203.16	0.08	203.68	3.15
202.13	0.00	202.65	0.00	203.17	0.08	203.69	3.27
202.14	0.00	202.66	0.00	203.18	0.09	203.70	3.39
202.15	0.00	202.67	0.00	203.19	0.09	203.71	3.51
202.16	0.00	202.68	0.00	203.20	0.09	203.72	3.63
202.17	0.00	202.69	0.00	203.21	0.09	203.73	3.76
202.18	0.00	202.70	0.00	203.22	0.09	203.74	3.88
202.19	0.00	202.71	0.00	203.23	0.09	203.75	4.01
202.20	0.00	202.72	0.00	203.24	0.10	203.76	4.14
202.21	0.00	202.73	0.00	203.25	0.10	203.77	4.27
202.22	0.00	202.74	0.00	203.26	0.10	203.78	4.40
202.23	0.00	202.75	0.00	203.27	0.10	203.79	4.53
202.24	0.00	202.76	0.00	203.28	0.10	203.80	4.66
202.25	0.00	202.77	0.00	203.29	0.10	203.81	4.80
202.26	0.00	202.78	0.00	203.30	0.10	203.82	4.93
202.27	0.00	202.79	0.00	203.31	0.12	203.83	5.07
202.28	0.00	202.80	0.00	203.32	0.14	203.84	5.21
202.29	0.00	202.81	0.00	203.33	0.17	203.85	5.35
202.30	0.00	202.82	0.00	203.34	0.21	203.86	5.49
202.31	0.00	202.83	0.00	203.35	0.26	203.87	5.63
202.32	0.00	202.84	0.00	203.36	0.30	203.88	5.77
202.33	0.00	202.85	0.00	203.37	0.35	203.89	5.92
202.34	0.00	202.86	0.01	203.38	0.41	203.90	6.06
202.35	0.00	202.87	0.01	203.39	0.47	203.91	6.21
202.36	0.00	202.88	0.01	203.40	0.53	203.92	6.35
202.37	0.00	202.89	0.01	203.41	0.59	203.93	6.50
202.38	0.00	202.90	0.02	203.42	0.66	203.94	6.65
202.39	0.00	202.91	0.02	203.43	0.73	203.95	6.80
202.40	0.00	202.92	0.02	203.44	0.80	203.96	6.95
202.41	0.00	202.93	0.03	203.45	0.88	203.97	7.10
202.42	0.00	202.94	0.03	203.46	0.95	203.98	7.26
202.43	0.00	202.95	0.03	203.47	1.03	203.99	7.41
202.44	0.00	202.96	0.04	203.48	1.11	204.00	7.56
202.45	0.00	202.97	0.04	203.49	1.20	204.01	7.72
202.46	0.00	202.98	0.05	203.50	1.28	204.02	7.88
202.47	0.00	202.99	0.05	203.51	1.37	204.03	8.03
202.48	0.00	203.00	0.05	203.52	1.46	204.04	8.19
202.49	0.00	203.01	0.05	203.53	1.56	204.05	8.35
202.50	0.00	203.02	0.06	203.54	1.65	204.06	8.51
202.51	0.00	203.03	0.06	203.55	1.75	204.07	8.67

Stage-Discharge for Pond B-57: Basin #57 (continued)

Elevation (feet)	Primary (cfs)
204.08	8.84
204.09	9.00
204.10	9.16
204.11	9.33
204.12	9.50
204.13	9.66
204.14	9.83
204.15	10.00
204.16	10.17
204.17	10.34
204.18	10.51
204.19	10.68
204.20	10.85
204.21	11.03
204.22	11.20
204.23	11.37
204.24	11.55
204.25	11.73
204.26	12.02
204.27	12.41
204.28	12.87
204.29	13.38
204.30	13.93
204.31	14.53
204.32	15.16
204.33	15.82
204.34	16.52
204.35	17.25
204.36	18.01
204.37	18.79
204.38	19.61
204.39	20.44
204.40	21.31
204.41	22.19
204.42	23.11
204.43	24.04
204.44	24.99
204.45	25.97
204.46	27.01
204.47	28.07
204.48	29.16
204.49	30.28
204.50	31.42
204.51	32.59
204.52	33.78
204.53	35.00
204.54	36.25
204.55	37.52
204.56	38.81
204.57	40.13
204.58	41.47
204.59	42.84
204.60	44.24
204.61	45.66
204.62	47.10
204.63	48.57
204.64	50.06
204.65	51.58
204.66	53.15
204.67	54.74
204.68	56.37
204.69	58.01
204.70	59.69
204.71	61.39
204.72	63.12
204.73	64.88
204.74	66.66
204.75	68.47
204.76	70.31
204.77	72.17
204.78	74.06
204.79	75.98
204.80	77.93
204.81	79.90
204.82	81.90
204.83	83.93
204.84	85.98
204.85	88.06
204.86	89.90
204.87	91.76
204.88	93.63
204.89	95.51
204.90	97.40
204.91	99.31
204.92	101.24
204.93	103.17
204.94	105.12
204.95	107.09
204.96	109.07
204.97	111.06
204.98	113.06
204.99	115.07
205.00	**117.10**

Stage-Area-Storage for Pond B-57: Basin #57

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
202.00	3,969	0	202.52	4,239	2,134
202.01	3,974	40	202.53	4,244	2,176
202.02	3,979	79	202.54	4,249	2,219
202.03	3,985	119	202.55	4,254	2,261
202.04	3,990	159	202.56	4,260	2,304
202.05	3,995	199	202.57	4,265	2,347
202.06	4,000	239	202.58	4,270	2,389
202.07	4,005	279	202.59	4,275	2,432
202.08	4,011	319	202.60	4,280	2,475
202.09	4,016	359	202.61	4,286	2,518
202.10	4,021	399	202.62	4,291	2,561
202.11	4,026	440	202.63	4,296	2,603
202.12	4,031	480	202.64	4,301	2,646
202.13	4,036	520	202.65	4,306	2,689
202.14	4,042	561	202.66	4,312	2,733
202.15	4,047	601	202.67	4,317	2,776
202.16	4,052	642	202.68	4,322	2,819
202.17	4,057	682	202.69	4,327	2,862
202.18	4,062	723	202.70	4,332	2,905
202.19	4,068	763	202.71	4,337	2,949
202.20	4,073	804	202.72	4,343	2,992
202.21	4,078	845	202.73	4,348	3,036
202.22	4,083	886	202.74	4,353	3,079
202.23	4,088	927	202.75	4,358	3,123
202.24	4,094	968	202.76	4,363	3,166
202.25	4,099	1,008	202.77	4,369	3,210
202.26	4,104	1,049	202.78	4,374	3,254
202.27	4,109	1,091	202.79	4,379	3,297
202.28	4,114	1,132	202.80	4,384	3,341
202.29	4,120	1,173	202.81	4,389	3,385
202.30	4,125	1,214	202.82	4,395	3,429
202.31	4,130	1,255	202.83	4,400	3,473
202.32	4,135	1,297	202.84	4,405	3,517
202.33	4,140	1,338	202.85	4,410	3,561
202.34	4,145	1,379	202.86	4,415	3,605
202.35	4,151	1,421	202.87	4,421	3,649
202.36	4,156	1,462	202.88	4,426	3,694
202.37	4,161	1,504	202.89	4,431	3,738
202.38	4,166	1,546	202.90	4,436	3,782
202.39	4,171	1,587	202.91	4,441	3,827
202.40	4,177	1,629	202.92	4,446	3,871
202.41	4,182	1,671	202.93	4,452	3,916
202.42	4,187	1,713	202.94	4,457	3,960
202.43	4,192	1,755	202.95	4,462	4,005
202.44	4,197	1,797	202.96	4,467	4,049
202.45	4,203	1,839	202.97	4,472	4,094
202.46	4,208	1,881	202.98	4,478	4,139
202.47	4,213	1,923	202.99	4,483	4,184
202.48	4,218	1,965	203.00	4,488	4,229
202.49	4,223	2,007	203.01	4,493	4,273
202.50	4,229	2,049	203.02	4,499	4,318
202.51	4,234	2,092	203.03	4,504	4,363

Stage-Area-Storage for Pond B-57: Basin #57 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
203.04	4,510	4,408	203.56	4,794	6,827
203.05	4,515	4,454	203.57	4,799	6,875
203.06	4,521	4,499	203.58	4,805	6,923
203.07	4,526	4,544	203.59	4,810	6,971
203.08	4,532	4,589	203.60	4,816	7,020
203.09	4,537	4,635	203.61	4,821	7,068
203.10	4,543	4,680	203.62	4,827	7,116
203.11	4,548	4,725	203.63	4,832	7,164
203.12	4,554	4,771	203.64	4,837	7,213
203.13	4,559	4,817	203.65	4,843	7,261
203.14	4,564	4,862	203.66	4,848	7,309
203.15	4,570	4,908	203.67	4,854	7,358
203.16	4,575	4,954	203.68	4,859	7,407
203.17	4,581	4,999	203.69	4,865	7,455
203.18	4,586	5,045	203.70	4,870	7,504
203.19	4,592	5,091	203.71	4,876	7,553
203.20	4,597	5,137	203.72	4,881	7,601
203.21	4,603	5,183	203.73	4,887	7,650
203.22	4,608	5,229	203.74	4,892	7,699
203.23	4,614	5,275	203.75	4,898	7,748
203.24	4,619	5,321	203.76	4,903	7,797
203.25	4,625	5,368	203.77	4,908	7,846
203.26	4,630	5,414	203.78	4,914	7,895
203.27	4,635	5,460	203.79	4,919	7,944
203.28	4,641	5,507	203.80	4,925	7,994
203.29	4,646	5,553	203.81	4,930	8,043
203.30	4,652	5,599	203.82	4,936	8,092
203.31	4,657	5,646	203.83	4,941	8,142
203.32	4,663	5,693	203.84	4,947	8,191
203.33	4,668	5,739	203.85	4,952	8,241
203.34	4,674	5,786	203.86	4,958	8,290
203.35	4,679	5,833	203.87	4,963	8,340
203.36	4,685	5,880	203.88	4,968	8,389
203.37	4,690	5,926	203.89	4,974	8,439
203.38	4,695	5,973	203.90	4,979	8,489
203.39	4,701	6,020	203.91	4,985	8,539
203.40	4,706	6,067	203.92	4,990	8,589
203.41	4,712	6,114	203.93	4,996	8,638
203.42	4,717	6,162	203.94	5,001	8,688
203.43	4,723	6,209	203.95	5,007	8,738
203.44	4,728	6,256	203.96	5,012	8,789
203.45	4,734	6,303	203.97	5,018	8,839
203.46	4,739	6,351	203.98	5,023	8,889
203.47	4,745	6,398	203.99	5,029	8,939
203.48	4,750	6,446	204.00	5,034	8,990
203.49	4,756	6,493	204.01	5,045	9,040
203.50	4,761	6,541	204.02	5,057	9,090
203.51	4,766	6,588	204.03	5,068	9,141
203.52	4,772	6,636	204.04	5,080	9,192
203.53	4,777	6,684	204.05	5,091	9,243
203.54	4,783	6,732	204.06	5,103	9,294
203.55	4,788	6,779	204.07	5,114	9,345

Stage-Area-Storage for Pond B-57: Basin #57 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
204.08	5,126	9,396
204.09	5,137	9,447
204.10	5,149	9,499
204.11	5,160	9,550
204.12	5,172	9,602
204.13	5,183	9,654
204.14	5,195	9,706
204.15	5,206	9,758
204.16	5,218	9,810
204.17	5,229	9,862
204.18	5,241	9,914
204.19	5,252	9,967
204.20	5,264	10,019
204.21	5,275	10,072
204.22	5,287	10,125
204.23	5,298	10,178
204.24	5,310	10,231
204.25	5,321	10,284
204.26	5,332	10,337
204.27	5,344	10,391
204.28	5,355	10,444
204.29	5,367	10,498
204.30	5,378	10,551
204.31	5,390	10,605
204.32	5,401	10,659
204.33	5,413	10,713
204.34	5,424	10,767
204.35	5,436	10,822
204.36	5,447	10,876
204.37	5,459	10,931
204.38	5,470	10,985
204.39	5,482	11,040
204.40	5,493	11,095
204.41	5,505	11,150
204.42	5,516	11,205
204.43	5,528	11,260
204.44	5,539	11,316
204.45	5,551	11,371
204.46	5,562	11,427
204.47	5,574	11,482
204.48	5,585	11,538
204.49	5,597	11,594
204.50	**5,608**	**11,650**
204.51	5,608	11,650
204.52	5,608	11,650
204.53	5,608	11,650
204.54	5,608	11,650
204.55	5,608	11,650
204.56	5,608	11,650
204.57	5,608	11,650
204.58	5,608	11,650
204.59	5,608	11,650
204.60	5,608	11,650
204.61	5,608	11,650
204.62	5,608	11,650
204.63	5,608	11,650
204.64	5,608	11,650
204.65	5,608	11,650
204.66	5,608	11,650
204.67	5,608	11,650
204.68	5,608	11,650
204.69	5,608	11,650
204.70	5,608	11,650
204.71	5,608	11,650
204.72	5,608	11,650
204.73	5,608	11,650
204.74	5,608	11,650
204.75	5,608	11,650
204.76	5,608	11,650
204.77	5,608	11,650
204.78	5,608	11,650
204.79	5,608	11,650
204.80	5,608	11,650
204.81	5,608	11,650
204.82	5,608	11,650
204.83	5,608	11,650
204.84	5,608	11,650
204.85	5,608	11,650
204.86	5,608	11,650
204.87	5,608	11,650
204.88	5,608	11,650
204.89	5,608	11,650
204.90	5,608	11,650
204.91	5,608	11,650
204.92	5,608	11,650
204.93	5,608	11,650
204.94	5,608	11,650
204.95	5,608	11,650
204.96	5,608	11,650
204.97	5,608	11,650
204.98	5,608	11,650
204.99	5,608	11,650
205.00	5,608	11,650

Summary for Pond B-58: Basin #58

Inflow Area = 3.083 ac, 36.46% Impervious, Inflow Depth = 0.18" for WQ Storm event
Inflow = 1.39 cfs @ 1.03 hrs, Volume= 0.046 af
Outflow = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Atten= 100%, Lag= 0.0 min
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Routed to Link PDA-6ON : Proposed Onsite Drainage Area #6

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 199.22' @ 2.80 hrs Surf.Area= 9,090 sf Storage= 1,983 cf

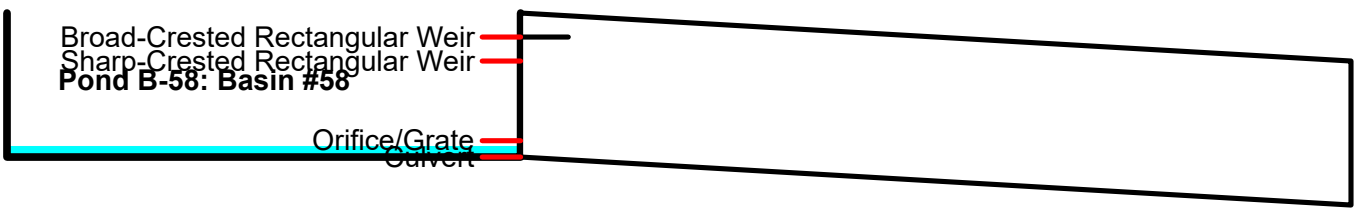
Plug-Flow detention time= (not calculated: initial storage exceeds outflow)
Center-of-Mass det. time= (not calculated: no outflow)

Volume	Invert	Avail.Storage	Storage Description
#1	199.00'	27,270 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

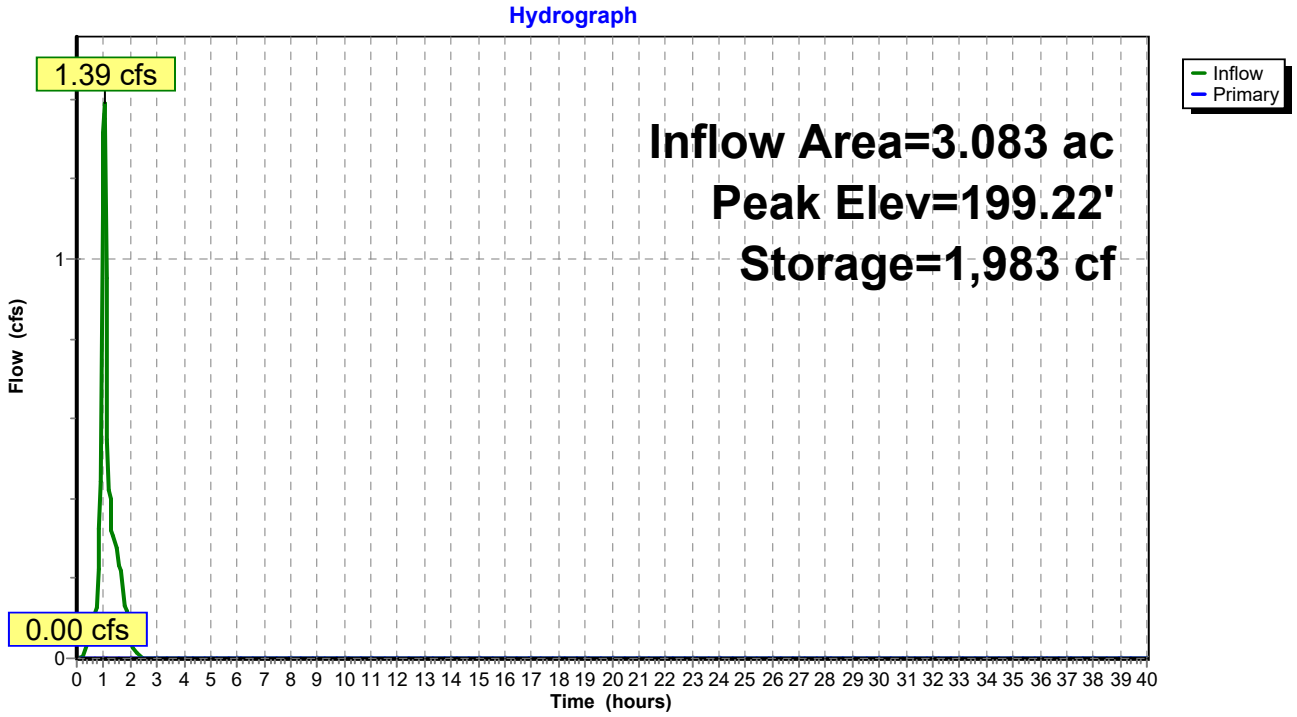
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
199.00	9,090	0	0
200.00	9,090	9,090	9,090
201.00	9,090	9,090	18,180
202.00	9,090	9,090	27,270

Device	Routing	Invert	Outlet Devices
#1	Primary	199.00'	**36.0" Round Culvert** L= 87.0' Ke= 0.500 Inlet / Outlet Invert= 199.00' / 198.00' S= 0.0115 '/' Cc= 0.900 n= 0.013, Flow Area= 7.07 sf
#2	Device 1	199.34'	**36.0" W x 6.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	201.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	201.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=199.00' (Free Discharge)
- **1=Culvert** (Controls 0.00 cfs)
  - **2=Orifice/Grate** (Controls 0.00 cfs)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-58: Basin #58



Hydrograph for Pond B-58: Basin #58

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	199.00	**0.00**
0.10	0.00	0	199.00	0.00
0.20	0.00	0	199.00	0.00
0.30	0.00	0	199.00	0.00
0.40	0.03	4	199.00	0.00
0.50	0.05	19	199.00	0.00
0.60	0.09	46	199.01	0.00
0.70	0.11	83	199.01	0.00
0.80	0.22	139	199.02	0.00
0.90	0.44	257	199.03	0.00
1.00	**1.31**	615	199.07	0.00
1.10	**0.95**	1,062	199.12	0.00
1.20	0.42	1,284	199.14	0.00
1.30	0.32	1,423	199.16	0.00
1.40	0.30	1,535	199.17	0.00
1.50	0.27	1,638	199.18	0.00
1.60	0.23	1,724	199.19	0.00
1.70	0.22	1,805	199.20	0.00
1.80	0.13	1,873	199.21	0.00
1.90	0.11	1,917	199.21	0.00
2.00	0.08	1,952	199.21	0.00
2.10	0.03	1,970	199.22	0.00
2.20	0.02	1,978	199.22	0.00
2.30	0.01	1,982	199.22	0.00
2.40	0.00	1,983	199.22	0.00
2.50	0.00	1,983	199.22	0.00
2.60	0.00	1,983	199.22	0.00
2.70	0.00	1,983	199.22	0.00
2.80	0.00	**1,983**	**199.22**	0.00
2.90	0.00	1,983	199.22	0.00
3.00	0.00	1,983	199.22	0.00
3.10	0.00	1,983	199.22	0.00
3.20	0.00	1,983	199.22	0.00
3.30	0.00	1,983	199.22	0.00
3.40	0.00	1,983	199.22	0.00
3.50	0.00	1,983	199.22	0.00
3.60	0.00	1,983	199.22	0.00
3.70	0.00	1,983	199.22	0.00
3.80	0.00	1,983	199.22	0.00
3.90	0.00	1,983	199.22	0.00
4.00	0.00	1,983	199.22	0.00
4.10	0.00	1,983	199.22	0.00
4.20	0.00	1,983	199.22	0.00
4.30	0.00	1,983	199.22	0.00
4.40	0.00	1,983	199.22	0.00
4.50	0.00	1,983	199.22	0.00
4.60	0.00	1,983	199.22	0.00
4.70	0.00	1,983	199.22	0.00
4.80	0.00	1,983	199.22	0.00
4.90	0.00	1,983	199.22	0.00
5.00	0.00	1,983	199.22	0.00
5.10	0.00	1,983	199.22	0.00

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	1,983	199.22	0.00
5.30	0.00	1,983	199.22	0.00
5.40	0.00	1,983	199.22	0.00
5.50	0.00	1,983	199.22	0.00
5.60	0.00	1,983	199.22	0.00
5.70	0.00	1,983	199.22	0.00
5.80	0.00	1,983	199.22	0.00
5.90	0.00	1,983	199.22	0.00
6.00	0.00	1,983	199.22	0.00
6.10	0.00	1,983	199.22	0.00
6.20	0.00	1,983	199.22	0.00
6.30	0.00	1,983	199.22	0.00
6.40	0.00	1,983	199.22	0.00
6.50	0.00	1,983	199.22	0.00
6.60	0.00	1,983	199.22	0.00
6.70	0.00	1,983	199.22	0.00
6.80	0.00	1,983	199.22	0.00
6.90	0.00	1,983	199.22	0.00
7.00	0.00	1,983	199.22	0.00
7.10	0.00	1,983	199.22	0.00
7.20	0.00	1,983	199.22	0.00
7.30	0.00	1,983	199.22	0.00
7.40	0.00	1,983	199.22	0.00
7.50	0.00	1,983	199.22	0.00
7.60	0.00	1,983	199.22	0.00
7.70	0.00	1,983	199.22	0.00
7.80	0.00	1,983	199.22	0.00
7.90	0.00	1,983	199.22	0.00
8.00	0.00	1,983	199.22	0.00
8.10	0.00	1,983	199.22	0.00
8.20	0.00	1,983	199.22	0.00
8.30	0.00	1,983	199.22	0.00
8.40	0.00	1,983	199.22	0.00
8.50	0.00	1,983	199.22	0.00
8.60	0.00	1,983	199.22	0.00
8.70	0.00	1,983	199.22	0.00
8.80	0.00	1,983	199.22	0.00
8.90	0.00	1,983	199.22	0.00
9.00	0.00	1,983	199.22	0.00
9.10	0.00	1,983	199.22	0.00
9.20	0.00	1,983	199.22	0.00
9.30	0.00	1,983	199.22	0.00
9.40	0.00	1,983	199.22	0.00
9.50	0.00	1,983	199.22	0.00
9.60	0.00	1,983	199.22	0.00
9.70	0.00	1,983	199.22	0.00
9.80	0.00	1,983	199.22	0.00
9.90	0.00	1,983	199.22	0.00
10.00	0.00	1,983	199.22	0.00
10.10	0.00	1,983	199.22	0.00
10.20	0.00	1,983	199.22	0.00
10.30	0.00	1,983	199.22	0.00

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.00	1,983	199.22	0.00
10.50	0.00	1,983	199.22	0.00
10.60	0.00	1,983	199.22	0.00
10.70	0.00	1,983	199.22	0.00
10.80	0.00	1,983	199.22	0.00
10.90	0.00	1,983	199.22	0.00
11.00	0.00	1,983	199.22	0.00
11.10	0.00	1,983	199.22	0.00
11.20	0.00	1,983	199.22	0.00
11.30	0.00	1,983	199.22	0.00
11.40	0.00	1,983	199.22	0.00
11.50	0.00	1,983	199.22	0.00
11.60	0.00	1,983	199.22	0.00
11.70	0.00	1,983	199.22	0.00
11.80	0.00	1,983	199.22	0.00
11.90	0.00	1,983	199.22	0.00
12.00	0.00	1,983	199.22	0.00
12.10	0.00	1,983	199.22	0.00
12.20	0.00	1,983	199.22	0.00
12.30	0.00	1,983	199.22	0.00
12.40	0.00	1,983	199.22	0.00
12.50	0.00	1,983	199.22	0.00
12.60	0.00	1,983	199.22	0.00
12.70	0.00	1,983	199.22	0.00
12.80	0.00	1,983	199.22	0.00
12.90	0.00	1,983	199.22	0.00
13.00	0.00	1,983	199.22	0.00
13.10	0.00	1,983	199.22	0.00
13.20	0.00	1,983	199.22	0.00
13.30	0.00	1,983	199.22	0.00
13.40	0.00	1,983	199.22	0.00
13.50	0.00	1,983	199.22	0.00
13.60	0.00	1,983	199.22	0.00
13.70	0.00	1,983	199.22	0.00
13.80	0.00	1,983	199.22	0.00
13.90	0.00	1,983	199.22	0.00
14.00	0.00	1,983	199.22	0.00
14.10	0.00	1,983	199.22	0.00
14.20	0.00	1,983	199.22	0.00
14.30	0.00	1,983	199.22	0.00
14.40	0.00	1,983	199.22	0.00
14.50	0.00	1,983	199.22	0.00
14.60	0.00	1,983	199.22	0.00
14.70	0.00	1,983	199.22	0.00
14.80	0.00	1,983	199.22	0.00
14.90	0.00	1,983	199.22	0.00
15.00	0.00	1,983	199.22	0.00
15.10	0.00	1,983	199.22	0.00
15.20	0.00	1,983	199.22	0.00
15.30	0.00	1,983	199.22	0.00
15.40	0.00	1,983	199.22	0.00
15.50	0.00	1,983	199.22	0.00

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.00	1,983	199.22	0.00
15.70	0.00	1,983	199.22	0.00
15.80	0.00	1,983	199.22	0.00
15.90	0.00	1,983	199.22	0.00
16.00	0.00	1,983	199.22	0.00
16.10	0.00	1,983	199.22	0.00
16.20	0.00	1,983	199.22	0.00
16.30	0.00	1,983	199.22	0.00
16.40	0.00	1,983	199.22	0.00
16.50	0.00	1,983	199.22	0.00
16.60	0.00	1,983	199.22	0.00
16.70	0.00	1,983	199.22	0.00
16.80	0.00	1,983	199.22	0.00
16.90	0.00	1,983	199.22	0.00
17.00	0.00	1,983	199.22	0.00
17.10	0.00	1,983	199.22	0.00
17.20	0.00	1,983	199.22	0.00
17.30	0.00	1,983	199.22	0.00
17.40	0.00	1,983	199.22	0.00
17.50	0.00	1,983	199.22	0.00
17.60	0.00	1,983	199.22	0.00
17.70	0.00	1,983	199.22	0.00
17.80	0.00	1,983	199.22	0.00
17.90	0.00	1,983	199.22	0.00
18.00	0.00	1,983	199.22	0.00
18.10	0.00	1,983	199.22	0.00
18.20	0.00	1,983	199.22	0.00
18.30	0.00	1,983	199.22	0.00
18.40	0.00	1,983	199.22	0.00
18.50	0.00	1,983	199.22	0.00
18.60	0.00	1,983	199.22	0.00
18.70	0.00	1,983	199.22	0.00
18.80	0.00	1,983	199.22	0.00
18.90	0.00	1,983	199.22	0.00
19.00	0.00	1,983	199.22	0.00
19.10	0.00	1,983	199.22	0.00
19.20	0.00	1,983	199.22	0.00
19.30	0.00	1,983	199.22	0.00
19.40	0.00	1,983	199.22	0.00
19.50	0.00	1,983	199.22	0.00
19.60	0.00	1,983	199.22	0.00
19.70	0.00	1,983	199.22	0.00
19.80	0.00	1,983	199.22	0.00
19.90	0.00	1,983	199.22	0.00
20.00	0.00	1,983	199.22	0.00
20.10	0.00	1,983	199.22	0.00
20.20	0.00	1,983	199.22	0.00
20.30	0.00	1,983	199.22	0.00
20.40	0.00	1,983	199.22	0.00
20.50	0.00	1,983	199.22	0.00
20.60	0.00	1,983	199.22	0.00
20.70	0.00	1,983	199.22	0.00

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.00	1,983	199.22	0.00
20.90	0.00	1,983	199.22	0.00
21.00	0.00	1,983	199.22	0.00
21.10	0.00	1,983	199.22	0.00
21.20	0.00	1,983	199.22	0.00
21.30	0.00	1,983	199.22	0.00
21.40	0.00	1,983	199.22	0.00
21.50	0.00	1,983	199.22	0.00
21.60	0.00	1,983	199.22	0.00
21.70	0.00	1,983	199.22	0.00
21.80	0.00	1,983	199.22	0.00
21.90	0.00	1,983	199.22	0.00
22.00	0.00	1,983	199.22	0.00
22.10	0.00	1,983	199.22	0.00
22.20	0.00	1,983	199.22	0.00
22.30	0.00	1,983	199.22	0.00
22.40	0.00	1,983	199.22	0.00
22.50	0.00	1,983	199.22	0.00
22.60	0.00	1,983	199.22	0.00
22.70	0.00	1,983	199.22	0.00
22.80	0.00	1,983	199.22	0.00
22.90	0.00	1,983	199.22	0.00
23.00	0.00	1,983	199.22	0.00
23.10	0.00	1,983	199.22	0.00
23.20	0.00	1,983	199.22	0.00
23.30	0.00	1,983	199.22	0.00
23.40	0.00	1,983	199.22	0.00
23.50	0.00	1,983	199.22	0.00
23.60	0.00	1,983	199.22	0.00
23.70	0.00	1,983	199.22	0.00
23.80	0.00	1,983	199.22	0.00
23.90	0.00	1,983	199.22	0.00
24.00	0.00	1,983	199.22	0.00
24.10	0.00	1,983	199.22	0.00
24.20	0.00	1,983	199.22	0.00
24.30	0.00	1,983	199.22	0.00
24.40	0.00	1,983	199.22	0.00
24.50	0.00	1,983	199.22	0.00
24.60	0.00	1,983	199.22	0.00
24.70	0.00	1,983	199.22	0.00
24.80	0.00	1,983	199.22	0.00
24.90	0.00	1,983	199.22	0.00
25.00	0.00	1,983	199.22	0.00
25.10	0.00	1,983	199.22	0.00
25.20	0.00	1,983	199.22	0.00
25.30	0.00	1,983	199.22	0.00
25.40	0.00	1,983	199.22	0.00
25.50	0.00	1,983	199.22	0.00
25.60	0.00	1,983	199.22	0.00
25.70	0.00	1,983	199.22	0.00
25.80	0.00	1,983	199.22	0.00
25.90	0.00	1,983	199.22	0.00

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	1,983	199.22	0.00
26.10	0.00	1,983	199.22	0.00
26.20	0.00	1,983	199.22	0.00
26.30	0.00	1,983	199.22	0.00
26.40	0.00	1,983	199.22	0.00
26.50	0.00	1,983	199.22	0.00
26.60	0.00	1,983	199.22	0.00
26.70	0.00	1,983	199.22	0.00
26.80	0.00	1,983	199.22	0.00
26.90	0.00	1,983	199.22	0.00
27.00	0.00	1,983	199.22	0.00
27.10	0.00	1,983	199.22	0.00
27.20	0.00	1,983	199.22	0.00
27.30	0.00	1,983	199.22	0.00
27.40	0.00	1,983	199.22	0.00
27.50	0.00	1,983	199.22	0.00
27.60	0.00	1,983	199.22	0.00
27.70	0.00	1,983	199.22	0.00
27.80	0.00	1,983	199.22	0.00
27.90	0.00	1,983	199.22	0.00
28.00	0.00	1,983	199.22	0.00
28.10	0.00	1,983	199.22	0.00
28.20	0.00	1,983	199.22	0.00
28.30	0.00	1,983	199.22	0.00
28.40	0.00	1,983	199.22	0.00
28.50	0.00	1,983	199.22	0.00
28.60	0.00	1,983	199.22	0.00
28.70	0.00	1,983	199.22	0.00
28.80	0.00	1,983	199.22	0.00
28.90	0.00	1,983	199.22	0.00
29.00	0.00	1,983	199.22	0.00
29.10	0.00	1,983	199.22	0.00
29.20	0.00	1,983	199.22	0.00
29.30	0.00	1,983	199.22	0.00
29.40	0.00	1,983	199.22	0.00
29.50	0.00	1,983	199.22	0.00
29.60	0.00	1,983	199.22	0.00
29.70	0.00	1,983	199.22	0.00
29.80	0.00	1,983	199.22	0.00
29.90	0.00	1,983	199.22	0.00
30.00	0.00	1,983	199.22	0.00
30.10	0.00	1,983	199.22	0.00
30.20	0.00	1,983	199.22	0.00
30.30	0.00	1,983	199.22	0.00
30.40	0.00	1,983	199.22	0.00
30.50	0.00	1,983	199.22	0.00
30.60	0.00	1,983	199.22	0.00
30.70	0.00	1,983	199.22	0.00
30.80	0.00	1,983	199.22	0.00
30.90	0.00	1,983	199.22	0.00
31.00	0.00	1,983	199.22	0.00
31.10	0.00	1,983	199.22	0.00

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	1,983	199.22	0.00
31.30	0.00	1,983	199.22	0.00
31.40	0.00	1,983	199.22	0.00
31.50	0.00	1,983	199.22	0.00
31.60	0.00	1,983	199.22	0.00
31.70	0.00	1,983	199.22	0.00
31.80	0.00	1,983	199.22	0.00
31.90	0.00	1,983	199.22	0.00
32.00	0.00	1,983	199.22	0.00
32.10	0.00	1,983	199.22	0.00
32.20	0.00	1,983	199.22	0.00
32.30	0.00	1,983	199.22	0.00
32.40	0.00	1,983	199.22	0.00
32.50	0.00	1,983	199.22	0.00
32.60	0.00	1,983	199.22	0.00
32.70	0.00	1,983	199.22	0.00
32.80	0.00	1,983	199.22	0.00
32.90	0.00	1,983	199.22	0.00
33.00	0.00	1,983	199.22	0.00
33.10	0.00	1,983	199.22	0.00
33.20	0.00	1,983	199.22	0.00
33.30	0.00	1,983	199.22	0.00
33.40	0.00	1,983	199.22	0.00
33.50	0.00	1,983	199.22	0.00
33.60	0.00	1,983	199.22	0.00
33.70	0.00	1,983	199.22	0.00
33.80	0.00	1,983	199.22	0.00
33.90	0.00	1,983	199.22	0.00
34.00	0.00	1,983	199.22	0.00
34.10	0.00	1,983	199.22	0.00
34.20	0.00	1,983	199.22	0.00
34.30	0.00	1,983	199.22	0.00
34.40	0.00	1,983	199.22	0.00
34.50	0.00	1,983	199.22	0.00
34.60	0.00	1,983	199.22	0.00
34.70	0.00	1,983	199.22	0.00
34.80	0.00	1,983	199.22	0.00
34.90	0.00	1,983	199.22	0.00
35.00	0.00	1,983	199.22	0.00
35.10	0.00	1,983	199.22	0.00
35.20	0.00	1,983	199.22	0.00
35.30	0.00	1,983	199.22	0.00
35.40	0.00	1,983	199.22	0.00
35.50	0.00	1,983	199.22	0.00
35.60	0.00	1,983	199.22	0.00
35.70	0.00	1,983	199.22	0.00
35.80	0.00	1,983	199.22	0.00
35.90	0.00	1,983	199.22	0.00
36.00	0.00	1,983	199.22	0.00
36.10	0.00	1,983	199.22	0.00
36.20	0.00	1,983	199.22	0.00
36.30	0.00	1,983	199.22	0.00

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	1,983	199.22	0.00
36.50	0.00	1,983	199.22	0.00
36.60	0.00	1,983	199.22	0.00
36.70	0.00	1,983	199.22	0.00
36.80	0.00	1,983	199.22	0.00
36.90	0.00	1,983	199.22	0.00
37.00	0.00	1,983	199.22	0.00
37.10	0.00	1,983	199.22	0.00
37.20	0.00	1,983	199.22	0.00
37.30	0.00	1,983	199.22	0.00
37.40	0.00	1,983	199.22	0.00
37.50	0.00	1,983	199.22	0.00
37.60	0.00	1,983	199.22	0.00
37.70	0.00	1,983	199.22	0.00
37.80	0.00	1,983	199.22	0.00
37.90	0.00	1,983	199.22	0.00
38.00	0.00	1,983	199.22	0.00
38.10	0.00	1,983	199.22	0.00
38.20	0.00	1,983	199.22	0.00
38.30	0.00	1,983	199.22	0.00
38.40	0.00	1,983	199.22	0.00
38.50	0.00	1,983	199.22	0.00
38.60	0.00	1,983	199.22	0.00
38.70	0.00	1,983	199.22	0.00
38.80	0.00	1,983	199.22	0.00
38.90	0.00	1,983	199.22	0.00
39.00	0.00	1,983	199.22	0.00
39.10	0.00	1,983	199.22	0.00
39.20	0.00	1,983	199.22	0.00
39.30	0.00	1,983	199.22	0.00
39.40	0.00	1,983	199.22	0.00
39.50	0.00	1,983	199.22	0.00
39.60	0.00	1,983	199.22	0.00
39.70	0.00	1,983	199.22	0.00
39.80	0.00	1,983	199.22	0.00
39.90	0.00	1,983	199.22	0.00
40.00	0.00	1,983	199.22	0.00

Stage-Discharge for Pond B-58: Basin #58

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
199.00	0.00	199.52	0.74	200.04	4.78	200.56	7.09
199.01	0.00	199.53	0.80	200.05	4.83	200.57	7.13
199.02	0.00	199.54	0.86	200.06	4.89	200.58	7.17
199.03	0.00	199.55	0.93	200.07	4.94	200.59	7.20
199.04	0.00	199.56	0.99	200.08	5.00	200.60	7.24
199.05	0.00	199.57	1.06	200.09	5.05	200.61	7.28
199.06	0.00	199.58	1.13	200.10	5.10	200.62	7.31
199.07	0.00	199.59	1.20	200.11	5.16	200.63	7.35
199.08	0.00	199.60	1.28	200.12	5.21	200.64	7.38
199.09	0.00	199.61	1.35	200.13	5.26	200.65	7.42
199.10	0.00	199.62	1.43	200.14	5.31	200.66	7.45
199.11	0.00	199.63	1.50	200.15	5.36	200.67	7.49
199.12	0.00	199.64	1.58	200.16	5.41	200.68	7.52
199.13	0.00	199.65	1.66	200.17	5.46	200.69	7.56
199.14	0.00	199.66	1.74	200.18	5.50	200.70	7.59
199.15	0.00	199.67	1.83	200.19	5.55	200.71	7.63
199.16	0.00	199.68	1.91	200.20	5.60	200.72	7.66
199.17	0.00	199.69	1.99	200.21	5.65	200.73	7.70
199.18	0.00	199.70	2.08	200.22	5.69	200.74	7.73
199.19	0.00	199.71	2.17	200.23	5.74	200.75	7.76
199.20	0.00	199.72	2.26	200.24	5.79	200.76	7.80
199.21	0.00	199.73	2.35	200.25	5.83	200.77	7.83
199.22	0.00	199.74	2.44	200.26	5.88	200.78	7.86
199.23	0.00	199.75	2.53	200.27	5.92	200.79	7.90
199.24	0.00	199.76	2.62	200.28	5.97	200.80	7.93
199.25	0.00	199.77	2.72	200.29	6.01	200.81	7.96
199.26	0.00	199.78	2.81	200.30	6.05	200.82	8.00
199.27	0.00	199.79	2.91	200.31	6.10	200.83	8.03
199.28	0.00	199.80	3.00	200.32	6.14	200.84	8.06
199.29	0.00	199.81	3.10	200.33	6.18	200.85	8.09
199.30	0.00	199.82	3.20	200.34	6.23	200.86	8.13
199.31	0.00	199.83	3.30	200.35	6.27	200.87	8.16
199.32	0.00	199.84	3.40	200.36	6.31	200.88	8.19
199.33	0.00	199.85	3.50	200.37	6.35	200.89	8.22
199.34	0.00	199.86	3.58	200.38	6.39	200.90	8.25
199.35	0.01	199.87	3.67	200.39	6.43	200.91	8.29
199.36	0.03	199.88	3.74	200.40	6.47	200.92	8.32
199.37	0.05	199.89	3.82	200.41	6.51	200.93	8.35
199.38	0.08	199.90	3.89	200.42	6.55	200.94	8.38
199.39	0.11	199.91	3.97	200.43	6.59	200.95	8.41
199.40	0.14	199.92	4.04	200.44	6.63	200.96	8.44
199.41	0.18	199.93	4.10	200.45	6.67	200.97	8.47
199.42	0.22	199.94	4.17	200.46	6.71	200.98	8.50
199.43	0.26	199.95	4.24	200.47	6.75	200.99	8.53
199.44	0.30	199.96	4.30	200.48	6.79	201.00	8.56
199.45	0.35	199.97	4.36	200.49	6.83	201.01	8.61
199.46	0.40	199.98	4.43	200.50	6.87	201.02	8.66
199.47	0.45	199.99	4.49	200.51	6.91	201.03	8.72
199.48	0.50	200.00	4.55	200.52	6.94	201.04	8.79
199.49	0.56	200.01	4.61	200.53	6.98	201.05	8.86
199.50	0.62	200.02	4.66	200.54	7.02	201.06	8.94
199.51	0.67	200.03	4.72	200.55	7.06	201.07	9.02

Stage-Discharge for Pond B-58: Basin #58 (continued)

Elevation (feet)	Primary (cfs)
201.08	9.10
201.09	9.19
201.10	9.28
201.11	9.37
201.12	9.46
201.13	9.56
201.14	9.66
201.15	9.77
201.16	9.87
201.17	9.98
201.18	10.09
201.19	10.20
201.20	10.31
201.21	10.43
201.22	10.55
201.23	10.67
201.24	10.79
201.25	10.91
201.26	11.04
201.27	11.16
201.28	11.29
201.29	11.42
201.30	11.55
201.31	11.69
201.32	11.82
201.33	11.96
201.34	12.10
201.35	12.23
201.36	12.38
201.37	12.52
201.38	12.66
201.39	12.81
201.40	12.95
201.41	13.10
201.42	13.25
201.43	13.40
201.44	13.55
201.45	13.70
201.46	13.86
201.47	14.01
201.48	14.17
201.49	14.32
201.50	14.48
201.51	14.76
201.52	15.14
201.53	15.57
201.54	16.07
201.55	16.60
201.56	17.18
201.57	17.80
201.58	18.45
201.59	19.13
201.60	19.85
201.61	20.59
201.62	21.36
201.63	22.16
201.64	22.99
201.65	23.84
201.66	24.71
201.67	25.61
201.68	26.53
201.69	27.48
201.70	28.44
201.71	29.47
201.72	30.52
201.73	31.60
201.74	32.71
201.75	33.84
201.76	35.00
201.77	36.18
201.78	37.39
201.79	38.62
201.80	39.88
201.81	41.17
201.82	42.48
201.83	43.82
201.84	45.18
201.85	46.56
201.86	47.97
201.87	49.41
201.88	50.87
201.89	52.36
201.90	53.87
201.91	55.43
201.92	57.02
201.93	58.63
201.94	60.28
201.95	61.95
201.96	63.64
201.97	65.37
201.98	67.12
201.99	68.89
202.00	**70.70**

Stage-Area-Storage for Pond B-58: Basin #58

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
199.00	**9,090**	0	199.52	9,090	4,727
199.01	9,090	91	199.53	9,090	4,818
199.02	9,090	182	199.54	9,090	4,909
199.03	9,090	273	199.55	9,090	5,000
199.04	9,090	364	199.56	9,090	5,090
199.05	9,090	455	199.57	9,090	5,181
199.06	9,090	545	199.58	9,090	5,272
199.07	9,090	636	199.59	9,090	5,363
199.08	9,090	727	199.60	9,090	5,454
199.09	9,090	818	199.61	9,090	5,545
199.10	9,090	909	199.62	9,090	5,636
199.11	9,090	1,000	199.63	9,090	5,727
199.12	9,090	1,091	199.64	9,090	5,818
199.13	9,090	1,182	199.65	9,090	5,909
199.14	9,090	1,273	199.66	9,090	5,999
199.15	9,090	1,364	199.67	9,090	6,090
199.16	9,090	1,454	199.68	9,090	6,181
199.17	9,090	1,545	199.69	9,090	6,272
199.18	9,090	1,636	199.70	9,090	6,363
199.19	9,090	1,727	199.71	9,090	6,454
199.20	9,090	1,818	199.72	9,090	6,545
199.21	9,090	1,909	199.73	9,090	6,636
199.22	9,090	2,000	199.74	9,090	6,727
199.23	9,090	2,091	199.75	9,090	6,818
199.24	9,090	2,182	199.76	9,090	6,908
199.25	9,090	2,273	199.77	9,090	6,999
199.26	9,090	2,363	199.78	9,090	7,090
199.27	9,090	2,454	199.79	9,090	7,181
199.28	9,090	2,545	199.80	9,090	7,272
199.29	9,090	2,636	199.81	9,090	7,363
199.30	9,090	2,727	199.82	9,090	7,454
199.31	9,090	2,818	199.83	9,090	7,545
199.32	9,090	2,909	199.84	9,090	7,636
199.33	9,090	3,000	199.85	9,090	7,726
199.34	9,090	3,091	199.86	9,090	7,817
199.35	9,090	3,181	199.87	9,090	7,908
199.36	9,090	3,272	199.88	9,090	7,999
199.37	9,090	3,363	199.89	9,090	8,090
199.38	9,090	3,454	199.90	9,090	8,181
199.39	9,090	3,545	199.91	9,090	8,272
199.40	9,090	3,636	199.92	9,090	8,363
199.41	9,090	3,727	199.93	9,090	8,454
199.42	9,090	3,818	199.94	9,090	8,545
199.43	9,090	3,909	199.95	9,090	8,635
199.44	9,090	4,000	199.96	9,090	8,726
199.45	9,090	4,090	199.97	9,090	8,817
199.46	9,090	4,181	199.98	9,090	8,908
199.47	9,090	4,272	199.99	9,090	8,999
199.48	9,090	4,363	200.00	9,090	9,090
199.49	9,090	4,454	200.01	9,090	9,181
199.50	9,090	4,545	200.02	9,090	9,272
199.51	9,090	4,636	200.03	9,090	9,363

Stage-Area-Storage for Pond B-58: Basin #58 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
200.04	9,090	9,454
200.05	9,090	9,545
200.06	9,090	9,635
200.07	9,090	9,726
200.08	9,090	9,817
200.09	9,090	9,908
200.10	9,090	9,999
200.11	9,090	10,090
200.12	9,090	10,181
200.13	9,090	10,272
200.14	9,090	10,363
200.15	9,090	10,454
200.16	9,090	10,544
200.17	9,090	10,635
200.18	9,090	10,726
200.19	9,090	10,817
200.20	9,090	10,908
200.21	9,090	10,999
200.22	9,090	11,090
200.23	9,090	11,181
200.24	9,090	11,272
200.25	9,090	11,363
200.26	9,090	11,453
200.27	9,090	11,544
200.28	9,090	11,635
200.29	9,090	11,726
200.30	9,090	11,817
200.31	9,090	11,908
200.32	9,090	11,999
200.33	9,090	12,090
200.34	9,090	12,181
200.35	9,090	12,271
200.36	9,090	12,362
200.37	9,090	12,453
200.38	9,090	12,544
200.39	9,090	12,635
200.40	9,090	12,726
200.41	9,090	12,817
200.42	9,090	12,908
200.43	9,090	12,999
200.44	9,090	13,090
200.45	9,090	13,180
200.46	9,090	13,271
200.47	9,090	13,362
200.48	9,090	13,453
200.49	9,090	13,544
200.50	9,090	13,635
200.51	9,090	13,726
200.52	9,090	13,817
200.53	9,090	13,908
200.54	9,090	13,999
200.55	9,090	14,090
200.56	9,090	14,180
200.57	9,090	14,271
200.58	9,090	14,362
200.59	9,090	14,453
200.60	9,090	14,544
200.61	9,090	14,635
200.62	9,090	14,726
200.63	9,090	14,817
200.64	9,090	14,908
200.65	9,090	14,999
200.66	9,090	15,089
200.67	9,090	15,180
200.68	9,090	15,271
200.69	9,090	15,362
200.70	9,090	15,453
200.71	9,090	15,544
200.72	9,090	15,635
200.73	9,090	15,726
200.74	9,090	15,817
200.75	9,090	15,908
200.76	9,090	15,998
200.77	9,090	16,089
200.78	9,090	16,180
200.79	9,090	16,271
200.80	9,090	16,362
200.81	9,090	16,453
200.82	9,090	16,544
200.83	9,090	16,635
200.84	9,090	16,726
200.85	9,090	16,816
200.86	9,090	16,907
200.87	9,090	16,998
200.88	9,090	17,089
200.89	9,090	17,180
200.90	9,090	17,271
200.91	9,090	17,362
200.92	9,090	17,453
200.93	9,090	17,544
200.94	9,090	17,635
200.95	9,090	17,725
200.96	9,090	17,816
200.97	9,090	17,907
200.98	9,090	17,998
200.99	9,090	18,089
201.00	9,090	18,180
201.01	9,090	18,271
201.02	9,090	18,362
201.03	9,090	18,453
201.04	9,090	18,544
201.05	9,090	18,635
201.06	9,090	18,725
201.07	9,090	18,816

Stage-Area-Storage for Pond B-58: Basin #58 (continued)

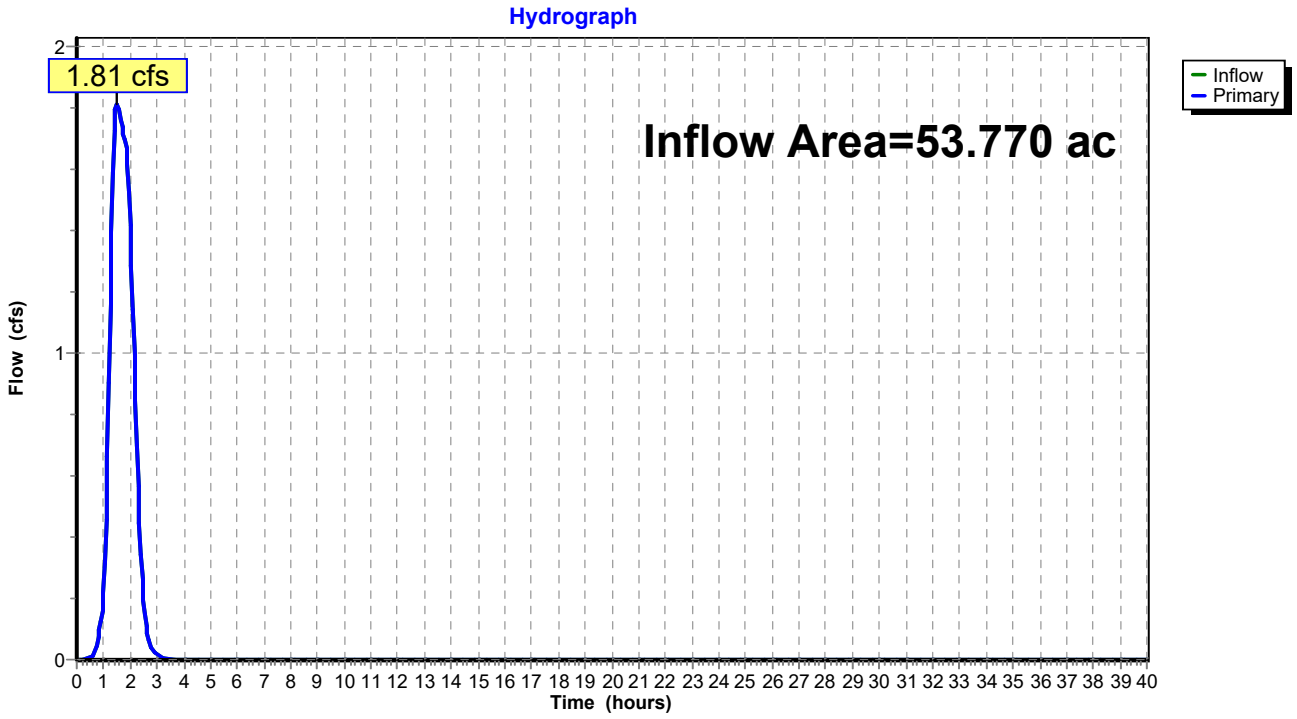
Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
201.08	9,090	18,907
201.09	9,090	18,998
201.10	9,090	19,089
201.11	9,090	19,180
201.12	9,090	19,271
201.13	9,090	19,362
201.14	9,090	19,453
201.15	9,090	19,544
201.16	9,090	19,634
201.17	9,090	19,725
201.18	9,090	19,816
201.19	9,090	19,907
201.20	9,090	19,998
201.21	9,090	20,089
201.22	9,090	20,180
201.23	9,090	20,271
201.24	9,090	20,362
201.25	9,090	20,453
201.26	9,090	20,543
201.27	9,090	20,634
201.28	9,090	20,725
201.29	9,090	20,816
201.30	9,090	20,907
201.31	9,090	20,998
201.32	9,090	21,089
201.33	9,090	21,180
201.34	9,090	21,271
201.35	9,090	21,361
201.36	9,090	21,452
201.37	9,090	21,543
201.38	9,090	21,634
201.39	9,090	21,725
201.40	9,090	21,816
201.41	9,090	21,907
201.42	9,090	21,998
201.43	9,090	22,089
201.44	9,090	22,180
201.45	9,090	22,270
201.46	9,090	22,361
201.47	9,090	22,452
201.48	9,090	22,543
201.49	9,090	22,634
201.50	9,090	22,725
201.51	9,090	22,816
201.52	9,090	22,907
201.53	9,090	22,998
201.54	9,090	23,089
201.55	9,090	23,180
201.56	9,090	23,270
201.57	9,090	23,361
201.58	9,090	23,452
201.59	9,090	23,543
201.60	9,090	23,634
201.61	9,090	23,725
201.62	9,090	23,816
201.63	9,090	23,907
201.64	9,090	23,998
201.65	9,090	24,089
201.66	9,090	24,179
201.67	9,090	24,270
201.68	9,090	24,361
201.69	9,090	24,452
201.70	9,090	24,543
201.71	9,090	24,634
201.72	9,090	24,725
201.73	9,090	24,816
201.74	9,090	24,907
201.75	9,090	24,998
201.76	9,090	25,088
201.77	9,090	25,179
201.78	9,090	25,270
201.79	9,090	25,361
201.80	9,090	25,452
201.81	9,090	25,543
201.82	9,090	25,634
201.83	9,090	25,725
201.84	9,090	25,816
201.85	9,090	25,906
201.86	9,090	25,997
201.87	9,090	26,088
201.88	9,090	26,179
201.89	9,090	26,270
201.90	9,090	26,361
201.91	9,090	26,452
201.92	9,090	26,543
201.93	9,090	26,634
201.94	9,090	26,725
201.95	9,090	26,815
201.96	9,090	26,906
201.97	9,090	26,997
201.98	9,090	27,088
201.99	9,090	27,179
202.00	9,090	**27,270**

Summary for Link PDA-6: Proposed Drainage Area #6

Inflow Area = 53.770 ac, 12.46% Impervious, Inflow Depth = 0.03" for WQ Storm event
Inflow = 1.81 cfs @ 1.51 hrs, Volume= 0.153 af
Primary = 1.81 cfs @ 1.51 hrs, Volume= 0.153 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link PDA-6: Proposed Drainage Area #6



Hydrograph for Link PDA-6: Proposed Drainage Area #6

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.11	0.00	0.11
0.05	0.00	0.00	0.00	2.65	0.08	0.00	0.08
0.10	0.00	0.00	0.00	2.70	0.06	0.00	0.06
0.15	0.00	0.00	0.00	2.75	0.05	0.00	0.05
0.20	0.00	0.00	0.00	2.80	0.04	0.00	0.04
0.25	0.00	0.00	0.00	2.85	0.03	0.00	0.03
0.30	0.00	0.00	0.00	2.90	0.02	0.00	0.02
0.35	0.00	0.00	0.00	2.95	0.01	0.00	0.01
0.40	0.00	0.00	0.00	3.00	0.01	0.00	0.01
0.45	0.00	0.00	0.00	3.05	0.01	0.00	0.01
0.50	0.00	0.00	0.00	3.10	0.01	0.00	0.01
0.55	0.01	0.00	0.01	3.15	0.00	0.00	0.00
0.60	0.01	0.00	0.01	3.20	0.00	0.00	0.00
0.65	0.02	0.00	0.02	3.25	0.00	0.00	0.00
0.70	0.04	0.00	0.04	3.30	0.00	0.00	0.00
0.75	0.06	0.00	0.06	3.35	0.00	0.00	0.00
0.80	0.07	0.00	0.07	3.40	0.00	0.00	0.00
0.85	0.10	0.00	0.10	3.45	0.00	0.00	0.00
0.90	0.12	0.00	0.12	3.50	0.00	0.00	0.00
0.95	0.16	0.00	0.16	3.55	0.00	0.00	0.00
1.00	0.22	0.00	0.22	3.60	0.00	0.00	0.00
1.05	0.31	0.00	0.31	3.65	0.00	0.00	0.00
1.10	0.46	0.00	0.46	3.70	0.00	0.00	0.00
1.15	0.66	0.00	0.66	3.75	0.00	0.00	0.00
1.20	0.91	0.00	0.91	3.80	0.00	0.00	0.00
1.25	1.16	0.00	1.16	3.85	0.00	0.00	0.00
1.30	1.40	0.00	1.40	3.90	0.00	0.00	0.00
1.35	1.59	0.00	1.59	3.95	0.00	0.00	0.00
1.40	1.73	0.00	1.73	4.00	0.00	0.00	0.00
1.45	1.79	0.00	1.79	4.05	0.00	0.00	0.00
1.50	**1.81**	0.00	**1.81**	4.10	0.00	0.00	0.00
1.55	1.80	0.00	1.80	4.15	0.00	0.00	0.00
1.60	1.78	0.00	1.78	4.20	0.00	0.00	0.00
1.65	1.76	0.00	1.76	4.25	0.00	0.00	0.00
1.70	1.74	0.00	1.74	4.30	0.00	0.00	0.00
1.75	1.71	0.00	1.71	4.35	0.00	0.00	0.00
1.80	1.70	0.00	1.70	4.40	0.00	0.00	0.00
1.85	1.67	0.00	1.67	4.45	0.00	0.00	0.00
1.90	1.62	0.00	1.62	4.50	0.00	0.00	0.00
1.95	1.53	0.00	1.53	4.55	0.00	0.00	0.00
2.00	1.42	0.00	1.42	4.60	0.00	0.00	0.00
2.05	1.28	0.00	1.28	4.65	0.00	0.00	0.00
2.10	1.14	0.00	1.14	4.70	0.00	0.00	0.00
2.15	1.00	0.00	1.00	4.75	0.00	0.00	0.00
2.20	0.84	0.00	0.84	4.80	0.00	0.00	0.00
2.25	0.70	0.00	0.70	4.85	0.00	0.00	0.00
2.30	0.57	0.00	0.57	4.90	0.00	0.00	0.00
2.35	0.45	0.00	0.45	4.95	0.00	0.00	0.00
2.40	0.35	0.00	0.35	5.00	0.00	0.00	0.00
2.45	0.26	0.00	0.26	5.05	0.00	0.00	0.00
2.50	0.20	0.00	0.20	5.10	0.00	0.00	0.00
2.55	0.15	0.00	0.15	5.15	0.00	0.00	0.00

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.00	0.00	0.00
7.40	0.00	0.00	0.00	10.00	0.00	0.00	0.00
7.45	0.00	0.00	0.00	10.05	0.00	0.00	0.00
7.50	0.00	0.00	0.00	10.10	0.00	0.00	0.00
7.55	0.00	0.00	0.00	10.15	0.00	0.00	0.00
7.60	0.00	0.00	0.00	10.20	0.00	0.00	0.00
7.65	0.00	0.00	0.00	10.25	0.00	0.00	0.00
7.70	0.00	0.00	0.00	10.30	0.00	0.00	0.00
7.75	0.00	0.00	0.00	10.35	0.00	0.00	0.00

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.00	0.00	0.00	13.00	0.00	0.00	0.00
10.45	0.00	0.00	0.00	13.05	0.00	0.00	0.00
10.50	0.00	0.00	0.00	13.10	0.00	0.00	0.00
10.55	0.00	0.00	0.00	13.15	0.00	0.00	0.00
10.60	0.00	0.00	0.00	13.20	0.00	0.00	0.00
10.65	0.00	0.00	0.00	13.25	0.00	0.00	0.00
10.70	0.00	0.00	0.00	13.30	0.00	0.00	0.00
10.75	0.00	0.00	0.00	13.35	0.00	0.00	0.00
10.80	0.00	0.00	0.00	13.40	0.00	0.00	0.00
10.85	0.00	0.00	0.00	13.45	0.00	0.00	0.00
10.90	0.00	0.00	0.00	13.50	0.00	0.00	0.00
10.95	0.00	0.00	0.00	13.55	0.00	0.00	0.00
11.00	0.00	0.00	0.00	13.60	0.00	0.00	0.00
11.05	0.00	0.00	0.00	13.65	0.00	0.00	0.00
11.10	0.00	0.00	0.00	13.70	0.00	0.00	0.00
11.15	0.00	0.00	0.00	13.75	0.00	0.00	0.00
11.20	0.00	0.00	0.00	13.80	0.00	0.00	0.00
11.25	0.00	0.00	0.00	13.85	0.00	0.00	0.00
11.30	0.00	0.00	0.00	13.90	0.00	0.00	0.00
11.35	0.00	0.00	0.00	13.95	0.00	0.00	0.00
11.40	0.00	0.00	0.00	14.00	0.00	0.00	0.00
11.45	0.00	0.00	0.00	14.05	0.00	0.00	0.00
11.50	0.00	0.00	0.00	14.10	0.00	0.00	0.00
11.55	0.00	0.00	0.00	14.15	0.00	0.00	0.00
11.60	0.00	0.00	0.00	14.20	0.00	0.00	0.00
11.65	0.00	0.00	0.00	14.25	0.00	0.00	0.00
11.70	0.00	0.00	0.00	14.30	0.00	0.00	0.00
11.75	0.00	0.00	0.00	14.35	0.00	0.00	0.00
11.80	0.00	0.00	0.00	14.40	0.00	0.00	0.00
11.85	0.00	0.00	0.00	14.45	0.00	0.00	0.00
11.90	0.00	0.00	0.00	14.50	0.00	0.00	0.00
11.95	0.00	0.00	0.00	14.55	0.00	0.00	0.00
12.00	0.00	0.00	0.00	14.60	0.00	0.00	0.00
12.05	0.00	0.00	0.00	14.65	0.00	0.00	0.00
12.10	0.00	0.00	0.00	14.70	0.00	0.00	0.00
12.15	0.00	0.00	0.00	14.75	0.00	0.00	0.00
12.20	0.00	0.00	0.00	14.80	0.00	0.00	0.00
12.25	0.00	0.00	0.00	14.85	0.00	0.00	0.00
12.30	0.00	0.00	0.00	14.90	0.00	0.00	0.00
12.35	0.00	0.00	0.00	14.95	0.00	0.00	0.00
12.40	0.00	0.00	0.00	15.00	0.00	0.00	0.00
12.45	0.00	0.00	0.00	15.05	0.00	0.00	0.00
12.50	0.00	0.00	0.00	15.10	0.00	0.00	0.00
12.55	0.00	0.00	0.00	15.15	0.00	0.00	0.00
12.60	0.00	0.00	0.00	15.20	0.00	0.00	0.00
12.65	0.00	0.00	0.00	15.25	0.00	0.00	0.00
12.70	0.00	0.00	0.00	15.30	0.00	0.00	0.00
12.75	0.00	0.00	0.00	15.35	0.00	0.00	0.00
12.80	0.00	0.00	0.00	15.40	0.00	0.00	0.00
12.85	0.00	0.00	0.00	15.45	0.00	0.00	0.00
12.90	0.00	0.00	0.00	15.50	0.00	0.00	0.00
12.95	0.00	0.00	0.00	15.55	0.00	0.00	0.00

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	0.00	0.00	0.00	18.20	0.00	0.00	0.00
15.65	0.00	0.00	0.00	18.25	0.00	0.00	0.00
15.70	0.00	0.00	0.00	18.30	0.00	0.00	0.00
15.75	0.00	0.00	0.00	18.35	0.00	0.00	0.00
15.80	0.00	0.00	0.00	18.40	0.00	0.00	0.00
15.85	0.00	0.00	0.00	18.45	0.00	0.00	0.00
15.90	0.00	0.00	0.00	18.50	0.00	0.00	0.00
15.95	0.00	0.00	0.00	18.55	0.00	0.00	0.00
16.00	0.00	0.00	0.00	18.60	0.00	0.00	0.00
16.05	0.00	0.00	0.00	18.65	0.00	0.00	0.00
16.10	0.00	0.00	0.00	18.70	0.00	0.00	0.00
16.15	0.00	0.00	0.00	18.75	0.00	0.00	0.00
16.20	0.00	0.00	0.00	18.80	0.00	0.00	0.00
16.25	0.00	0.00	0.00	18.85	0.00	0.00	0.00
16.30	0.00	0.00	0.00	18.90	0.00	0.00	0.00
16.35	0.00	0.00	0.00	18.95	0.00	0.00	0.00
16.40	0.00	0.00	0.00	19.00	0.00	0.00	0.00
16.45	0.00	0.00	0.00	19.05	0.00	0.00	0.00
16.50	0.00	0.00	0.00	19.10	0.00	0.00	0.00
16.55	0.00	0.00	0.00	19.15	0.00	0.00	0.00
16.60	0.00	0.00	0.00	19.20	0.00	0.00	0.00
16.65	0.00	0.00	0.00	19.25	0.00	0.00	0.00
16.70	0.00	0.00	0.00	19.30	0.00	0.00	0.00
16.75	0.00	0.00	0.00	19.35	0.00	0.00	0.00
16.80	0.00	0.00	0.00	19.40	0.00	0.00	0.00
16.85	0.00	0.00	0.00	19.45	0.00	0.00	0.00
16.90	0.00	0.00	0.00	19.50	0.00	0.00	0.00
16.95	0.00	0.00	0.00	19.55	0.00	0.00	0.00
17.00	0.00	0.00	0.00	19.60	0.00	0.00	0.00
17.05	0.00	0.00	0.00	19.65	0.00	0.00	0.00
17.10	0.00	0.00	0.00	19.70	0.00	0.00	0.00
17.15	0.00	0.00	0.00	19.75	0.00	0.00	0.00
17.20	0.00	0.00	0.00	19.80	0.00	0.00	0.00
17.25	0.00	0.00	0.00	19.85	0.00	0.00	0.00
17.30	0.00	0.00	0.00	19.90	0.00	0.00	0.00
17.35	0.00	0.00	0.00	19.95	0.00	0.00	0.00
17.40	0.00	0.00	0.00	20.00	0.00	0.00	0.00
17.45	0.00	0.00	0.00	20.05	0.00	0.00	0.00
17.50	0.00	0.00	0.00	20.10	0.00	0.00	0.00
17.55	0.00	0.00	0.00	20.15	0.00	0.00	0.00
17.60	0.00	0.00	0.00	20.20	0.00	0.00	0.00
17.65	0.00	0.00	0.00	20.25	0.00	0.00	0.00
17.70	0.00	0.00	0.00	20.30	0.00	0.00	0.00
17.75	0.00	0.00	0.00	20.35	0.00	0.00	0.00
17.80	0.00	0.00	0.00	20.40	0.00	0.00	0.00
17.85	0.00	0.00	0.00	20.45	0.00	0.00	0.00
17.90	0.00	0.00	0.00	20.50	0.00	0.00	0.00
17.95	0.00	0.00	0.00	20.55	0.00	0.00	0.00
18.00	0.00	0.00	0.00	20.60	0.00	0.00	0.00
18.05	0.00	0.00	0.00	20.65	0.00	0.00	0.00
18.10	0.00	0.00	0.00	20.70	0.00	0.00	0.00
18.15	0.00	0.00	0.00	20.75	0.00	0.00	0.00

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.00	0.00	0.00	23.40	0.00	0.00	0.00
20.85	0.00	0.00	0.00	23.45	0.00	0.00	0.00
20.90	0.00	0.00	0.00	23.50	0.00	0.00	0.00
20.95	0.00	0.00	0.00	23.55	0.00	0.00	0.00
21.00	0.00	0.00	0.00	23.60	0.00	0.00	0.00
21.05	0.00	0.00	0.00	23.65	0.00	0.00	0.00
21.10	0.00	0.00	0.00	23.70	0.00	0.00	0.00
21.15	0.00	0.00	0.00	23.75	0.00	0.00	0.00
21.20	0.00	0.00	0.00	23.80	0.00	0.00	0.00
21.25	0.00	0.00	0.00	23.85	0.00	0.00	0.00
21.30	0.00	0.00	0.00	23.90	0.00	0.00	0.00
21.35	0.00	0.00	0.00	23.95	0.00	0.00	0.00
21.40	0.00	0.00	0.00	24.00	0.00	0.00	0.00
21.45	0.00	0.00	0.00	24.05	0.00	0.00	0.00
21.50	0.00	0.00	0.00	24.10	0.00	0.00	0.00
21.55	0.00	0.00	0.00	24.15	0.00	0.00	0.00
21.60	0.00	0.00	0.00	24.20	0.00	0.00	0.00
21.65	0.00	0.00	0.00	24.25	0.00	0.00	0.00
21.70	0.00	0.00	0.00	24.30	0.00	0.00	0.00
21.75	0.00	0.00	0.00	24.35	0.00	0.00	0.00
21.80	0.00	0.00	0.00	24.40	0.00	0.00	0.00
21.85	0.00	0.00	0.00	24.45	0.00	0.00	0.00
21.90	0.00	0.00	0.00	24.50	0.00	0.00	0.00
21.95	0.00	0.00	0.00	24.55	0.00	0.00	0.00
22.00	0.00	0.00	0.00	24.60	0.00	0.00	0.00
22.05	0.00	0.00	0.00	24.65	0.00	0.00	0.00
22.10	0.00	0.00	0.00	24.70	0.00	0.00	0.00
22.15	0.00	0.00	0.00	24.75	0.00	0.00	0.00
22.20	0.00	0.00	0.00	24.80	0.00	0.00	0.00
22.25	0.00	0.00	0.00	24.85	0.00	0.00	0.00
22.30	0.00	0.00	0.00	24.90	0.00	0.00	0.00
22.35	0.00	0.00	0.00	24.95	0.00	0.00	0.00
22.40	0.00	0.00	0.00	25.00	0.00	0.00	0.00
22.45	0.00	0.00	0.00	25.05	0.00	0.00	0.00
22.50	0.00	0.00	0.00	25.10	0.00	0.00	0.00
22.55	0.00	0.00	0.00	25.15	0.00	0.00	0.00
22.60	0.00	0.00	0.00	25.20	0.00	0.00	0.00
22.65	0.00	0.00	0.00	25.25	0.00	0.00	0.00
22.70	0.00	0.00	0.00	25.30	0.00	0.00	0.00
22.75	0.00	0.00	0.00	25.35	0.00	0.00	0.00
22.80	0.00	0.00	0.00	25.40	0.00	0.00	0.00
22.85	0.00	0.00	0.00	25.45	0.00	0.00	0.00
22.90	0.00	0.00	0.00	25.50	0.00	0.00	0.00
22.95	0.00	0.00	0.00	25.55	0.00	0.00	0.00
23.00	0.00	0.00	0.00	25.60	0.00	0.00	0.00
23.05	0.00	0.00	0.00	25.65	0.00	0.00	0.00
23.10	0.00	0.00	0.00	25.70	0.00	0.00	0.00
23.15	0.00	0.00	0.00	25.75	0.00	0.00	0.00
23.20	0.00	0.00	0.00	25.80	0.00	0.00	0.00
23.25	0.00	0.00	0.00	25.85	0.00	0.00	0.00
23.30	0.00	0.00	0.00	25.90	0.00	0.00	0.00
23.35	0.00	0.00	0.00	25.95	0.00	0.00	0.00

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

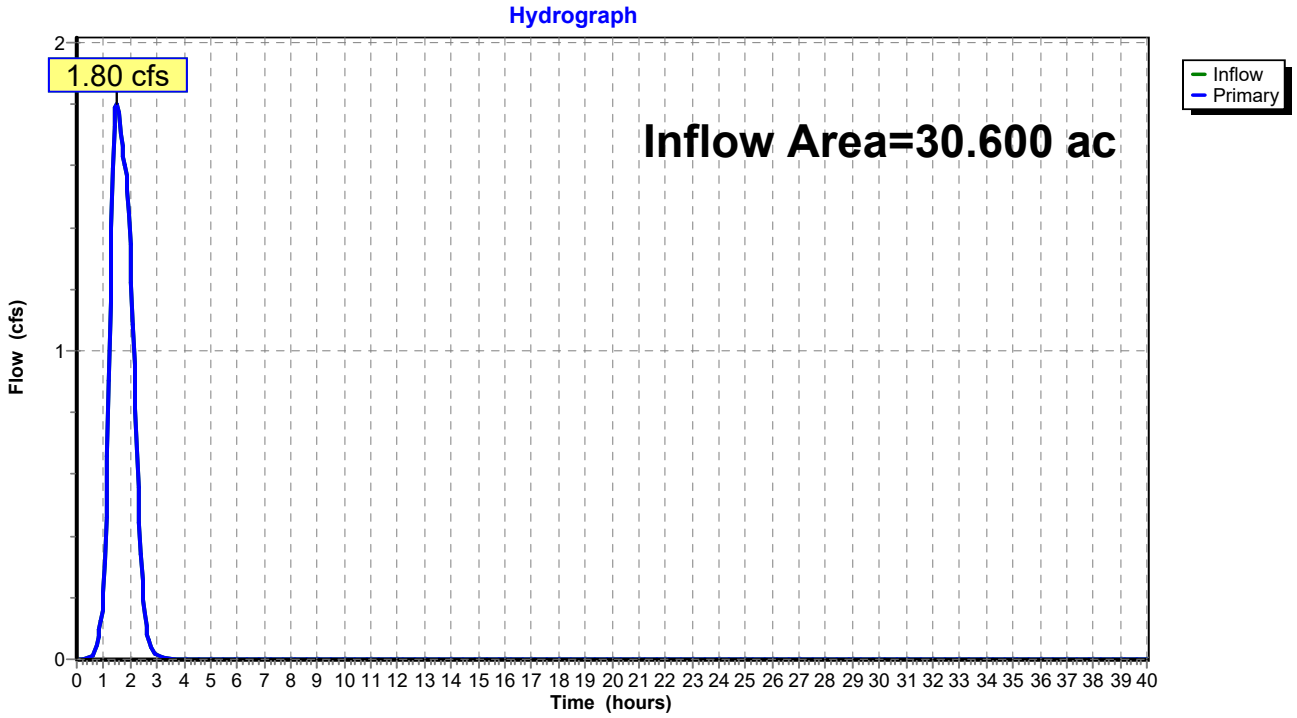
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link PDA-6OF: Proposed Offsite Drainage Area #6

Inflow Area = 30.600 ac, 2.48% Impervious, Inflow Depth = 0.06" for WQ Storm event
Inflow = 1.80 cfs @ 1.49 hrs, Volume= 0.148 af
Primary = 1.80 cfs @ 1.49 hrs, Volume= 0.148 af, Atten= 0%, Lag= 0.0 min
Routed to Link PDA-6 : Proposed Drainage Area #6

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link PDA-6OF: Proposed Offsite Drainage Area #6



Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.11	0.00	0.11
0.05	0.00	0.00	0.00	2.65	0.08	0.00	0.08
0.10	0.00	0.00	0.00	2.70	0.06	0.00	0.06
0.15	0.00	0.00	0.00	2.75	0.05	0.00	0.05
0.20	0.00	0.00	0.00	2.80	0.03	0.00	0.03
0.25	0.00	0.00	0.00	2.85	0.03	0.00	0.03
0.30	0.00	0.00	0.00	2.90	0.02	0.00	0.02
0.35	0.00	0.00	0.00	2.95	0.01	0.00	0.01
0.40	0.00	0.00	0.00	3.00	0.01	0.00	0.01
0.45	0.00	0.00	0.00	3.05	0.01	0.00	0.01
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.01	0.00	0.01	3.15	0.00	0.00	0.00
0.60	0.01	0.00	0.01	3.20	0.00	0.00	0.00
0.65	0.02	0.00	0.02	3.25	0.00	0.00	0.00
0.70	0.04	0.00	0.04	3.30	0.00	0.00	0.00
0.75	0.06	0.00	0.06	3.35	0.00	0.00	0.00
0.80	0.07	0.00	0.07	3.40	0.00	0.00	0.00
0.85	0.10	0.00	0.10	3.45	0.00	0.00	0.00
0.90	0.12	0.00	0.12	3.50	0.00	0.00	0.00
0.95	0.16	0.00	0.16	3.55	0.00	0.00	0.00
1.00	0.22	0.00	0.22	3.60	0.00	0.00	0.00
1.05	0.31	0.00	0.31	3.65	0.00	0.00	0.00
1.10	0.46	0.00	0.46	3.70	0.00	0.00	0.00
1.15	0.66	0.00	0.66	3.75	0.00	0.00	0.00
1.20	0.91	0.00	0.91	3.80	0.00	0.00	0.00
1.25	1.16	0.00	1.16	3.85	0.00	0.00	0.00
1.30	1.40	0.00	1.40	3.90	0.00	0.00	0.00
1.35	1.59	0.00	1.59	3.95	0.00	0.00	0.00
1.40	1.72	0.00	1.72	4.00	0.00	0.00	0.00
1.45	1.79	0.00	1.79	4.05	0.00	0.00	0.00
1.50	**1.80**	0.00	**1.80**	4.10	0.00	0.00	0.00
1.55	1.78	0.00	1.78	4.15	0.00	0.00	0.00
1.60	1.74	0.00	1.74	4.20	0.00	0.00	0.00
1.65	1.70	0.00	1.70	4.25	0.00	0.00	0.00
1.70	1.66	0.00	1.66	4.30	0.00	0.00	0.00
1.75	1.63	0.00	1.63	4.35	0.00	0.00	0.00
1.80	1.60	0.00	1.60	4.40	0.00	0.00	0.00
1.85	1.57	0.00	1.57	4.45	0.00	0.00	0.00
1.90	1.52	0.00	1.52	4.50	0.00	0.00	0.00
1.95	1.45	0.00	1.45	4.55	0.00	0.00	0.00
2.00	1.34	0.00	1.34	4.60	0.00	0.00	0.00
2.05	1.22	0.00	1.22	4.65	0.00	0.00	0.00
2.10	1.09	0.00	1.09	4.70	0.00	0.00	0.00
2.15	0.95	0.00	0.95	4.75	0.00	0.00	0.00
2.20	0.81	0.00	0.81	4.80	0.00	0.00	0.00
2.25	0.68	0.00	0.68	4.85	0.00	0.00	0.00
2.30	0.55	0.00	0.55	4.90	0.00	0.00	0.00
2.35	0.44	0.00	0.44	4.95	0.00	0.00	0.00
2.40	0.34	0.00	0.34	5.00	0.00	0.00	0.00
2.45	0.26	0.00	0.26	5.05	0.00	0.00	0.00
2.50	0.19	0.00	0.19	5.10	0.00	0.00	0.00
2.55	0.15	0.00	0.15	5.15	0.00	0.00	0.00

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.00	0.00	0.00
7.40	0.00	0.00	0.00	10.00	0.00	0.00	0.00
7.45	0.00	0.00	0.00	10.05	0.00	0.00	0.00
7.50	0.00	0.00	0.00	10.10	0.00	0.00	0.00
7.55	0.00	0.00	0.00	10.15	0.00	0.00	0.00
7.60	0.00	0.00	0.00	10.20	0.00	0.00	0.00
7.65	0.00	0.00	0.00	10.25	0.00	0.00	0.00
7.70	0.00	0.00	0.00	10.30	0.00	0.00	0.00
7.75	0.00	0.00	0.00	10.35	0.00	0.00	0.00

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.00	0.00	0.00	13.00	0.00	0.00	0.00
10.45	0.00	0.00	0.00	13.05	0.00	0.00	0.00
10.50	0.00	0.00	0.00	13.10	0.00	0.00	0.00
10.55	0.00	0.00	0.00	13.15	0.00	0.00	0.00
10.60	0.00	0.00	0.00	13.20	0.00	0.00	0.00
10.65	0.00	0.00	0.00	13.25	0.00	0.00	0.00
10.70	0.00	0.00	0.00	13.30	0.00	0.00	0.00
10.75	0.00	0.00	0.00	13.35	0.00	0.00	0.00
10.80	0.00	0.00	0.00	13.40	0.00	0.00	0.00
10.85	0.00	0.00	0.00	13.45	0.00	0.00	0.00
10.90	0.00	0.00	0.00	13.50	0.00	0.00	0.00
10.95	0.00	0.00	0.00	13.55	0.00	0.00	0.00
11.00	0.00	0.00	0.00	13.60	0.00	0.00	0.00
11.05	0.00	0.00	0.00	13.65	0.00	0.00	0.00
11.10	0.00	0.00	0.00	13.70	0.00	0.00	0.00
11.15	0.00	0.00	0.00	13.75	0.00	0.00	0.00
11.20	0.00	0.00	0.00	13.80	0.00	0.00	0.00
11.25	0.00	0.00	0.00	13.85	0.00	0.00	0.00
11.30	0.00	0.00	0.00	13.90	0.00	0.00	0.00
11.35	0.00	0.00	0.00	13.95	0.00	0.00	0.00
11.40	0.00	0.00	0.00	14.00	0.00	0.00	0.00
11.45	0.00	0.00	0.00	14.05	0.00	0.00	0.00
11.50	0.00	0.00	0.00	14.10	0.00	0.00	0.00
11.55	0.00	0.00	0.00	14.15	0.00	0.00	0.00
11.60	0.00	0.00	0.00	14.20	0.00	0.00	0.00
11.65	0.00	0.00	0.00	14.25	0.00	0.00	0.00
11.70	0.00	0.00	0.00	14.30	0.00	0.00	0.00
11.75	0.00	0.00	0.00	14.35	0.00	0.00	0.00
11.80	0.00	0.00	0.00	14.40	0.00	0.00	0.00
11.85	0.00	0.00	0.00	14.45	0.00	0.00	0.00
11.90	0.00	0.00	0.00	14.50	0.00	0.00	0.00
11.95	0.00	0.00	0.00	14.55	0.00	0.00	0.00
12.00	0.00	0.00	0.00	14.60	0.00	0.00	0.00
12.05	0.00	0.00	0.00	14.65	0.00	0.00	0.00
12.10	0.00	0.00	0.00	14.70	0.00	0.00	0.00
12.15	0.00	0.00	0.00	14.75	0.00	0.00	0.00
12.20	0.00	0.00	0.00	14.80	0.00	0.00	0.00
12.25	0.00	0.00	0.00	14.85	0.00	0.00	0.00
12.30	0.00	0.00	0.00	14.90	0.00	0.00	0.00
12.35	0.00	0.00	0.00	14.95	0.00	0.00	0.00
12.40	0.00	0.00	0.00	15.00	0.00	0.00	0.00
12.45	0.00	0.00	0.00	15.05	0.00	0.00	0.00
12.50	0.00	0.00	0.00	15.10	0.00	0.00	0.00
12.55	0.00	0.00	0.00	15.15	0.00	0.00	0.00
12.60	0.00	0.00	0.00	15.20	0.00	0.00	0.00
12.65	0.00	0.00	0.00	15.25	0.00	0.00	0.00
12.70	0.00	0.00	0.00	15.30	0.00	0.00	0.00
12.75	0.00	0.00	0.00	15.35	0.00	0.00	0.00
12.80	0.00	0.00	0.00	15.40	0.00	0.00	0.00
12.85	0.00	0.00	0.00	15.45	0.00	0.00	0.00
12.90	0.00	0.00	0.00	15.50	0.00	0.00	0.00
12.95	0.00	0.00	0.00	15.55	0.00	0.00	0.00

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	0.00	0.00	0.00	18.20	0.00	0.00	0.00
15.65	0.00	0.00	0.00	18.25	0.00	0.00	0.00
15.70	0.00	0.00	0.00	18.30	0.00	0.00	0.00
15.75	0.00	0.00	0.00	18.35	0.00	0.00	0.00
15.80	0.00	0.00	0.00	18.40	0.00	0.00	0.00
15.85	0.00	0.00	0.00	18.45	0.00	0.00	0.00
15.90	0.00	0.00	0.00	18.50	0.00	0.00	0.00
15.95	0.00	0.00	0.00	18.55	0.00	0.00	0.00
16.00	0.00	0.00	0.00	18.60	0.00	0.00	0.00
16.05	0.00	0.00	0.00	18.65	0.00	0.00	0.00
16.10	0.00	0.00	0.00	18.70	0.00	0.00	0.00
16.15	0.00	0.00	0.00	18.75	0.00	0.00	0.00
16.20	0.00	0.00	0.00	18.80	0.00	0.00	0.00
16.25	0.00	0.00	0.00	18.85	0.00	0.00	0.00
16.30	0.00	0.00	0.00	18.90	0.00	0.00	0.00
16.35	0.00	0.00	0.00	18.95	0.00	0.00	0.00
16.40	0.00	0.00	0.00	19.00	0.00	0.00	0.00
16.45	0.00	0.00	0.00	19.05	0.00	0.00	0.00
16.50	0.00	0.00	0.00	19.10	0.00	0.00	0.00
16.55	0.00	0.00	0.00	19.15	0.00	0.00	0.00
16.60	0.00	0.00	0.00	19.20	0.00	0.00	0.00
16.65	0.00	0.00	0.00	19.25	0.00	0.00	0.00
16.70	0.00	0.00	0.00	19.30	0.00	0.00	0.00
16.75	0.00	0.00	0.00	19.35	0.00	0.00	0.00
16.80	0.00	0.00	0.00	19.40	0.00	0.00	0.00
16.85	0.00	0.00	0.00	19.45	0.00	0.00	0.00
16.90	0.00	0.00	0.00	19.50	0.00	0.00	0.00
16.95	0.00	0.00	0.00	19.55	0.00	0.00	0.00
17.00	0.00	0.00	0.00	19.60	0.00	0.00	0.00
17.05	0.00	0.00	0.00	19.65	0.00	0.00	0.00
17.10	0.00	0.00	0.00	19.70	0.00	0.00	0.00
17.15	0.00	0.00	0.00	19.75	0.00	0.00	0.00
17.20	0.00	0.00	0.00	19.80	0.00	0.00	0.00
17.25	0.00	0.00	0.00	19.85	0.00	0.00	0.00
17.30	0.00	0.00	0.00	19.90	0.00	0.00	0.00
17.35	0.00	0.00	0.00	19.95	0.00	0.00	0.00
17.40	0.00	0.00	0.00	20.00	0.00	0.00	0.00
17.45	0.00	0.00	0.00	20.05	0.00	0.00	0.00
17.50	0.00	0.00	0.00	20.10	0.00	0.00	0.00
17.55	0.00	0.00	0.00	20.15	0.00	0.00	0.00
17.60	0.00	0.00	0.00	20.20	0.00	0.00	0.00
17.65	0.00	0.00	0.00	20.25	0.00	0.00	0.00
17.70	0.00	0.00	0.00	20.30	0.00	0.00	0.00
17.75	0.00	0.00	0.00	20.35	0.00	0.00	0.00
17.80	0.00	0.00	0.00	20.40	0.00	0.00	0.00
17.85	0.00	0.00	0.00	20.45	0.00	0.00	0.00
17.90	0.00	0.00	0.00	20.50	0.00	0.00	0.00
17.95	0.00	0.00	0.00	20.55	0.00	0.00	0.00
18.00	0.00	0.00	0.00	20.60	0.00	0.00	0.00
18.05	0.00	0.00	0.00	20.65	0.00	0.00	0.00
18.10	0.00	0.00	0.00	20.70	0.00	0.00	0.00
18.15	0.00	0.00	0.00	20.75	0.00	0.00	0.00

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.00	0.00	0.00	23.40	0.00	0.00	0.00
20.85	0.00	0.00	0.00	23.45	0.00	0.00	0.00
20.90	0.00	0.00	0.00	23.50	0.00	0.00	0.00
20.95	0.00	0.00	0.00	23.55	0.00	0.00	0.00
21.00	0.00	0.00	0.00	23.60	0.00	0.00	0.00
21.05	0.00	0.00	0.00	23.65	0.00	0.00	0.00
21.10	0.00	0.00	0.00	23.70	0.00	0.00	0.00
21.15	0.00	0.00	0.00	23.75	0.00	0.00	0.00
21.20	0.00	0.00	0.00	23.80	0.00	0.00	0.00
21.25	0.00	0.00	0.00	23.85	0.00	0.00	0.00
21.30	0.00	0.00	0.00	23.90	0.00	0.00	0.00
21.35	0.00	0.00	0.00	23.95	0.00	0.00	0.00
21.40	0.00	0.00	0.00	24.00	0.00	0.00	0.00
21.45	0.00	0.00	0.00	24.05	0.00	0.00	0.00
21.50	0.00	0.00	0.00	24.10	0.00	0.00	0.00
21.55	0.00	0.00	0.00	24.15	0.00	0.00	0.00
21.60	0.00	0.00	0.00	24.20	0.00	0.00	0.00
21.65	0.00	0.00	0.00	24.25	0.00	0.00	0.00
21.70	0.00	0.00	0.00	24.30	0.00	0.00	0.00
21.75	0.00	0.00	0.00	24.35	0.00	0.00	0.00
21.80	0.00	0.00	0.00	24.40	0.00	0.00	0.00
21.85	0.00	0.00	0.00	24.45	0.00	0.00	0.00
21.90	0.00	0.00	0.00	24.50	0.00	0.00	0.00
21.95	0.00	0.00	0.00	24.55	0.00	0.00	0.00
22.00	0.00	0.00	0.00	24.60	0.00	0.00	0.00
22.05	0.00	0.00	0.00	24.65	0.00	0.00	0.00
22.10	0.00	0.00	0.00	24.70	0.00	0.00	0.00
22.15	0.00	0.00	0.00	24.75	0.00	0.00	0.00
22.20	0.00	0.00	0.00	24.80	0.00	0.00	0.00
22.25	0.00	0.00	0.00	24.85	0.00	0.00	0.00
22.30	0.00	0.00	0.00	24.90	0.00	0.00	0.00
22.35	0.00	0.00	0.00	24.95	0.00	0.00	0.00
22.40	0.00	0.00	0.00	25.00	0.00	0.00	0.00
22.45	0.00	0.00	0.00	25.05	0.00	0.00	0.00
22.50	0.00	0.00	0.00	25.10	0.00	0.00	0.00
22.55	0.00	0.00	0.00	25.15	0.00	0.00	0.00
22.60	0.00	0.00	0.00	25.20	0.00	0.00	0.00
22.65	0.00	0.00	0.00	25.25	0.00	0.00	0.00
22.70	0.00	0.00	0.00	25.30	0.00	0.00	0.00
22.75	0.00	0.00	0.00	25.35	0.00	0.00	0.00
22.80	0.00	0.00	0.00	25.40	0.00	0.00	0.00
22.85	0.00	0.00	0.00	25.45	0.00	0.00	0.00
22.90	0.00	0.00	0.00	25.50	0.00	0.00	0.00
22.95	0.00	0.00	0.00	25.55	0.00	0.00	0.00
23.00	0.00	0.00	0.00	25.60	0.00	0.00	0.00
23.05	0.00	0.00	0.00	25.65	0.00	0.00	0.00
23.10	0.00	0.00	0.00	25.70	0.00	0.00	0.00
23.15	0.00	0.00	0.00	25.75	0.00	0.00	0.00
23.20	0.00	0.00	0.00	25.80	0.00	0.00	0.00
23.25	0.00	0.00	0.00	25.85	0.00	0.00	0.00
23.30	0.00	0.00	0.00	25.90	0.00	0.00	0.00
23.35	0.00	0.00	0.00	25.95	0.00	0.00	0.00

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

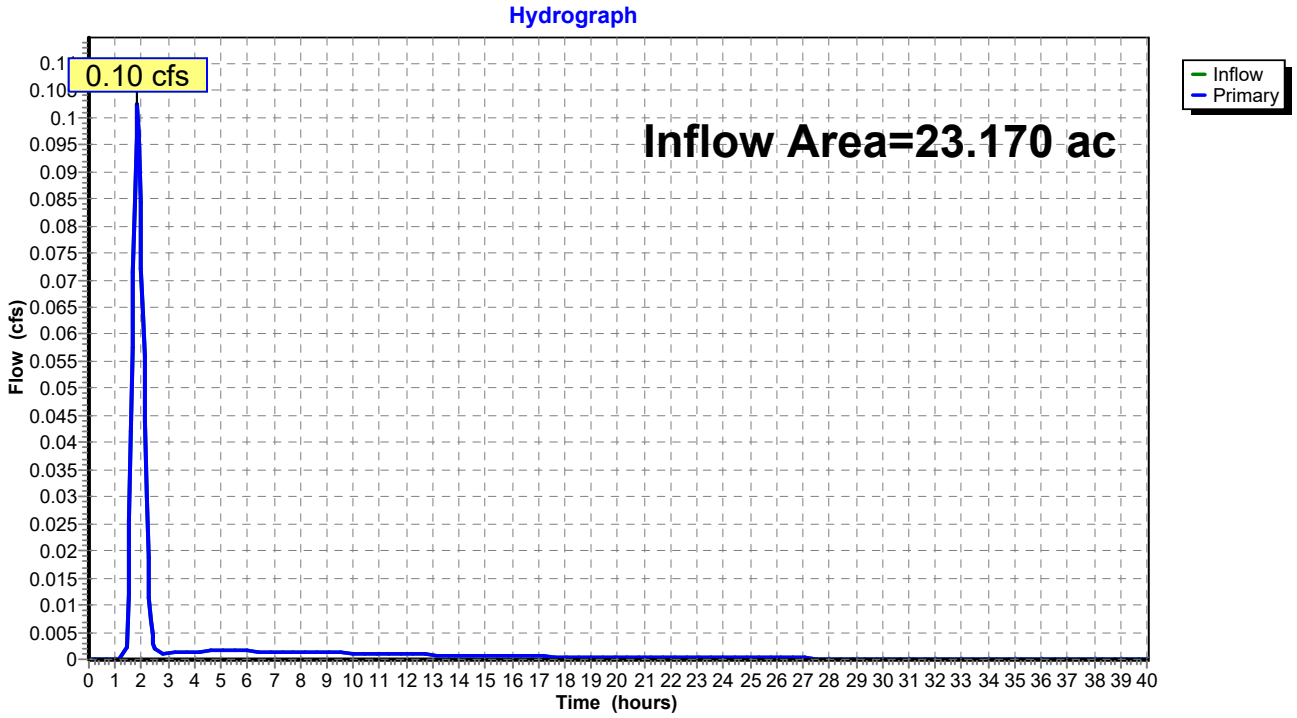
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link PDA-6ON: Proposed Onsite Drainage Area #6

Inflow Area = 23.170 ac, 25.64% Impervious, Inflow Depth > 0.00" for WQ Storm event
Inflow = 0.10 cfs @ 1.85 hrs, Volume= 0.006 af
Primary = 0.10 cfs @ 1.85 hrs, Volume= 0.006 af, Atten= 0%, Lag= 0.0 min
Routed to Link PDA-6 : Proposed Drainage Area #6

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link PDA-6ON: Proposed Onsite Drainage Area #6



Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.01	0.00	0.01	4.10	0.00	0.00	0.00
1.55	0.03	0.00	0.03	4.15	0.00	0.00	0.00
1.60	0.04	0.00	0.04	4.20	0.00	0.00	0.00
1.65	0.06	0.00	0.06	4.25	0.00	0.00	0.00
1.70	0.07	0.00	0.07	4.30	0.00	0.00	0.00
1.75	0.08	0.00	0.08	4.35	0.00	0.00	0.00
1.80	0.10	0.00	0.10	4.40	0.00	0.00	0.00
1.85	**0.10**	0.00	**0.10**	4.45	0.00	0.00	0.00
1.90	0.10	0.00	0.10	4.50	0.00	0.00	0.00
1.95	0.08	0.00	0.08	4.55	0.00	0.00	0.00
2.00	0.07	0.00	0.07	4.60	0.00	0.00	0.00
2.05	0.06	0.00	0.06	4.65	0.00	0.00	0.00
2.10	0.06	0.00	0.06	4.70	0.00	0.00	0.00
2.15	0.04	0.00	0.04	4.75	0.00	0.00	0.00
2.20	0.03	0.00	0.03	4.80	0.00	0.00	0.00
2.25	0.02	0.00	0.02	4.85	0.00	0.00	0.00
2.30	0.01	0.00	0.01	4.90	0.00	0.00	0.00
2.35	0.01	0.00	0.01	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.00	0.00	0.00
7.40	0.00	0.00	0.00	10.00	0.00	0.00	0.00
7.45	0.00	0.00	0.00	10.05	0.00	0.00	0.00
7.50	0.00	0.00	0.00	10.10	0.00	0.00	0.00
7.55	0.00	0.00	0.00	10.15	0.00	0.00	0.00
7.60	0.00	0.00	0.00	10.20	0.00	0.00	0.00
7.65	0.00	0.00	0.00	10.25	0.00	0.00	0.00
7.70	0.00	0.00	0.00	10.30	0.00	0.00	0.00
7.75	0.00	0.00	0.00	10.35	0.00	0.00	0.00

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.00	0.00	0.00	13.00	0.00	0.00	0.00
10.45	0.00	0.00	0.00	13.05	0.00	0.00	0.00
10.50	0.00	0.00	0.00	13.10	0.00	0.00	0.00
10.55	0.00	0.00	0.00	13.15	0.00	0.00	0.00
10.60	0.00	0.00	0.00	13.20	0.00	0.00	0.00
10.65	0.00	0.00	0.00	13.25	0.00	0.00	0.00
10.70	0.00	0.00	0.00	13.30	0.00	0.00	0.00
10.75	0.00	0.00	0.00	13.35	0.00	0.00	0.00
10.80	0.00	0.00	0.00	13.40	0.00	0.00	0.00
10.85	0.00	0.00	0.00	13.45	0.00	0.00	0.00
10.90	0.00	0.00	0.00	13.50	0.00	0.00	0.00
10.95	0.00	0.00	0.00	13.55	0.00	0.00	0.00
11.00	0.00	0.00	0.00	13.60	0.00	0.00	0.00
11.05	0.00	0.00	0.00	13.65	0.00	0.00	0.00
11.10	0.00	0.00	0.00	13.70	0.00	0.00	0.00
11.15	0.00	0.00	0.00	13.75	0.00	0.00	0.00
11.20	0.00	0.00	0.00	13.80	0.00	0.00	0.00
11.25	0.00	0.00	0.00	13.85	0.00	0.00	0.00
11.30	0.00	0.00	0.00	13.90	0.00	0.00	0.00
11.35	0.00	0.00	0.00	13.95	0.00	0.00	0.00
11.40	0.00	0.00	0.00	14.00	0.00	0.00	0.00
11.45	0.00	0.00	0.00	14.05	0.00	0.00	0.00
11.50	0.00	0.00	0.00	14.10	0.00	0.00	0.00
11.55	0.00	0.00	0.00	14.15	0.00	0.00	0.00
11.60	0.00	0.00	0.00	14.20	0.00	0.00	0.00
11.65	0.00	0.00	0.00	14.25	0.00	0.00	0.00
11.70	0.00	0.00	0.00	14.30	0.00	0.00	0.00
11.75	0.00	0.00	0.00	14.35	0.00	0.00	0.00
11.80	0.00	0.00	0.00	14.40	0.00	0.00	0.00
11.85	0.00	0.00	0.00	14.45	0.00	0.00	0.00
11.90	0.00	0.00	0.00	14.50	0.00	0.00	0.00
11.95	0.00	0.00	0.00	14.55	0.00	0.00	0.00
12.00	0.00	0.00	0.00	14.60	0.00	0.00	0.00
12.05	0.00	0.00	0.00	14.65	0.00	0.00	0.00
12.10	0.00	0.00	0.00	14.70	0.00	0.00	0.00
12.15	0.00	0.00	0.00	14.75	0.00	0.00	0.00
12.20	0.00	0.00	0.00	14.80	0.00	0.00	0.00
12.25	0.00	0.00	0.00	14.85	0.00	0.00	0.00
12.30	0.00	0.00	0.00	14.90	0.00	0.00	0.00
12.35	0.00	0.00	0.00	14.95	0.00	0.00	0.00
12.40	0.00	0.00	0.00	15.00	0.00	0.00	0.00
12.45	0.00	0.00	0.00	15.05	0.00	0.00	0.00
12.50	0.00	0.00	0.00	15.10	0.00	0.00	0.00
12.55	0.00	0.00	0.00	15.15	0.00	0.00	0.00
12.60	0.00	0.00	0.00	15.20	0.00	0.00	0.00
12.65	0.00	0.00	0.00	15.25	0.00	0.00	0.00
12.70	0.00	0.00	0.00	15.30	0.00	0.00	0.00
12.75	0.00	0.00	0.00	15.35	0.00	0.00	0.00
12.80	0.00	0.00	0.00	15.40	0.00	0.00	0.00
12.85	0.00	0.00	0.00	15.45	0.00	0.00	0.00
12.90	0.00	0.00	0.00	15.50	0.00	0.00	0.00
12.95	0.00	0.00	0.00	15.55	0.00	0.00	0.00

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	0.00	0.00	0.00	18.20	0.00	0.00	0.00
15.65	0.00	0.00	0.00	18.25	0.00	0.00	0.00
15.70	0.00	0.00	0.00	18.30	0.00	0.00	0.00
15.75	0.00	0.00	0.00	18.35	0.00	0.00	0.00
15.80	0.00	0.00	0.00	18.40	0.00	0.00	0.00
15.85	0.00	0.00	0.00	18.45	0.00	0.00	0.00
15.90	0.00	0.00	0.00	18.50	0.00	0.00	0.00
15.95	0.00	0.00	0.00	18.55	0.00	0.00	0.00
16.00	0.00	0.00	0.00	18.60	0.00	0.00	0.00
16.05	0.00	0.00	0.00	18.65	0.00	0.00	0.00
16.10	0.00	0.00	0.00	18.70	0.00	0.00	0.00
16.15	0.00	0.00	0.00	18.75	0.00	0.00	0.00
16.20	0.00	0.00	0.00	18.80	0.00	0.00	0.00
16.25	0.00	0.00	0.00	18.85	0.00	0.00	0.00
16.30	0.00	0.00	0.00	18.90	0.00	0.00	0.00
16.35	0.00	0.00	0.00	18.95	0.00	0.00	0.00
16.40	0.00	0.00	0.00	19.00	0.00	0.00	0.00
16.45	0.00	0.00	0.00	19.05	0.00	0.00	0.00
16.50	0.00	0.00	0.00	19.10	0.00	0.00	0.00
16.55	0.00	0.00	0.00	19.15	0.00	0.00	0.00
16.60	0.00	0.00	0.00	19.20	0.00	0.00	0.00
16.65	0.00	0.00	0.00	19.25	0.00	0.00	0.00
16.70	0.00	0.00	0.00	19.30	0.00	0.00	0.00
16.75	0.00	0.00	0.00	19.35	0.00	0.00	0.00
16.80	0.00	0.00	0.00	19.40	0.00	0.00	0.00
16.85	0.00	0.00	0.00	19.45	0.00	0.00	0.00
16.90	0.00	0.00	0.00	19.50	0.00	0.00	0.00
16.95	0.00	0.00	0.00	19.55	0.00	0.00	0.00
17.00	0.00	0.00	0.00	19.60	0.00	0.00	0.00
17.05	0.00	0.00	0.00	19.65	0.00	0.00	0.00
17.10	0.00	0.00	0.00	19.70	0.00	0.00	0.00
17.15	0.00	0.00	0.00	19.75	0.00	0.00	0.00
17.20	0.00	0.00	0.00	19.80	0.00	0.00	0.00
17.25	0.00	0.00	0.00	19.85	0.00	0.00	0.00
17.30	0.00	0.00	0.00	19.90	0.00	0.00	0.00
17.35	0.00	0.00	0.00	19.95	0.00	0.00	0.00
17.40	0.00	0.00	0.00	20.00	0.00	0.00	0.00
17.45	0.00	0.00	0.00	20.05	0.00	0.00	0.00
17.50	0.00	0.00	0.00	20.10	0.00	0.00	0.00
17.55	0.00	0.00	0.00	20.15	0.00	0.00	0.00
17.60	0.00	0.00	0.00	20.20	0.00	0.00	0.00
17.65	0.00	0.00	0.00	20.25	0.00	0.00	0.00
17.70	0.00	0.00	0.00	20.30	0.00	0.00	0.00
17.75	0.00	0.00	0.00	20.35	0.00	0.00	0.00
17.80	0.00	0.00	0.00	20.40	0.00	0.00	0.00
17.85	0.00	0.00	0.00	20.45	0.00	0.00	0.00
17.90	0.00	0.00	0.00	20.50	0.00	0.00	0.00
17.95	0.00	0.00	0.00	20.55	0.00	0.00	0.00
18.00	0.00	0.00	0.00	20.60	0.00	0.00	0.00
18.05	0.00	0.00	0.00	20.65	0.00	0.00	0.00
18.10	0.00	0.00	0.00	20.70	0.00	0.00	0.00
18.15	0.00	0.00	0.00	20.75	0.00	0.00	0.00

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.00	0.00	0.00	23.40	0.00	0.00	0.00
20.85	0.00	0.00	0.00	23.45	0.00	0.00	0.00
20.90	0.00	0.00	0.00	23.50	0.00	0.00	0.00
20.95	0.00	0.00	0.00	23.55	0.00	0.00	0.00
21.00	0.00	0.00	0.00	23.60	0.00	0.00	0.00
21.05	0.00	0.00	0.00	23.65	0.00	0.00	0.00
21.10	0.00	0.00	0.00	23.70	0.00	0.00	0.00
21.15	0.00	0.00	0.00	23.75	0.00	0.00	0.00
21.20	0.00	0.00	0.00	23.80	0.00	0.00	0.00
21.25	0.00	0.00	0.00	23.85	0.00	0.00	0.00
21.30	0.00	0.00	0.00	23.90	0.00	0.00	0.00
21.35	0.00	0.00	0.00	23.95	0.00	0.00	0.00
21.40	0.00	0.00	0.00	24.00	0.00	0.00	0.00
21.45	0.00	0.00	0.00	24.05	0.00	0.00	0.00
21.50	0.00	0.00	0.00	24.10	0.00	0.00	0.00
21.55	0.00	0.00	0.00	24.15	0.00	0.00	0.00
21.60	0.00	0.00	0.00	24.20	0.00	0.00	0.00
21.65	0.00	0.00	0.00	24.25	0.00	0.00	0.00
21.70	0.00	0.00	0.00	24.30	0.00	0.00	0.00
21.75	0.00	0.00	0.00	24.35	0.00	0.00	0.00
21.80	0.00	0.00	0.00	24.40	0.00	0.00	0.00
21.85	0.00	0.00	0.00	24.45	0.00	0.00	0.00
21.90	0.00	0.00	0.00	24.50	0.00	0.00	0.00
21.95	0.00	0.00	0.00	24.55	0.00	0.00	0.00
22.00	0.00	0.00	0.00	24.60	0.00	0.00	0.00
22.05	0.00	0.00	0.00	24.65	0.00	0.00	0.00
22.10	0.00	0.00	0.00	24.70	0.00	0.00	0.00
22.15	0.00	0.00	0.00	24.75	0.00	0.00	0.00
22.20	0.00	0.00	0.00	24.80	0.00	0.00	0.00
22.25	0.00	0.00	0.00	24.85	0.00	0.00	0.00
22.30	0.00	0.00	0.00	24.90	0.00	0.00	0.00
22.35	0.00	0.00	0.00	24.95	0.00	0.00	0.00
22.40	0.00	0.00	0.00	25.00	0.00	0.00	0.00
22.45	0.00	0.00	0.00	25.05	0.00	0.00	0.00
22.50	0.00	0.00	0.00	25.10	0.00	0.00	0.00
22.55	0.00	0.00	0.00	25.15	0.00	0.00	0.00
22.60	0.00	0.00	0.00	25.20	0.00	0.00	0.00
22.65	0.00	0.00	0.00	25.25	0.00	0.00	0.00
22.70	0.00	0.00	0.00	25.30	0.00	0.00	0.00
22.75	0.00	0.00	0.00	25.35	0.00	0.00	0.00
22.80	0.00	0.00	0.00	25.40	0.00	0.00	0.00
22.85	0.00	0.00	0.00	25.45	0.00	0.00	0.00
22.90	0.00	0.00	0.00	25.50	0.00	0.00	0.00
22.95	0.00	0.00	0.00	25.55	0.00	0.00	0.00
23.00	0.00	0.00	0.00	25.60	0.00	0.00	0.00
23.05	0.00	0.00	0.00	25.65	0.00	0.00	0.00
23.10	0.00	0.00	0.00	25.70	0.00	0.00	0.00
23.15	0.00	0.00	0.00	25.75	0.00	0.00	0.00
23.20	0.00	0.00	0.00	25.80	0.00	0.00	0.00
23.25	0.00	0.00	0.00	25.85	0.00	0.00	0.00
23.30	0.00	0.00	0.00	25.90	0.00	0.00	0.00
23.35	0.00	0.00	0.00	25.95	0.00	0.00	0.00

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Subcatchment 3S: PDA-6 (offsite pervious)

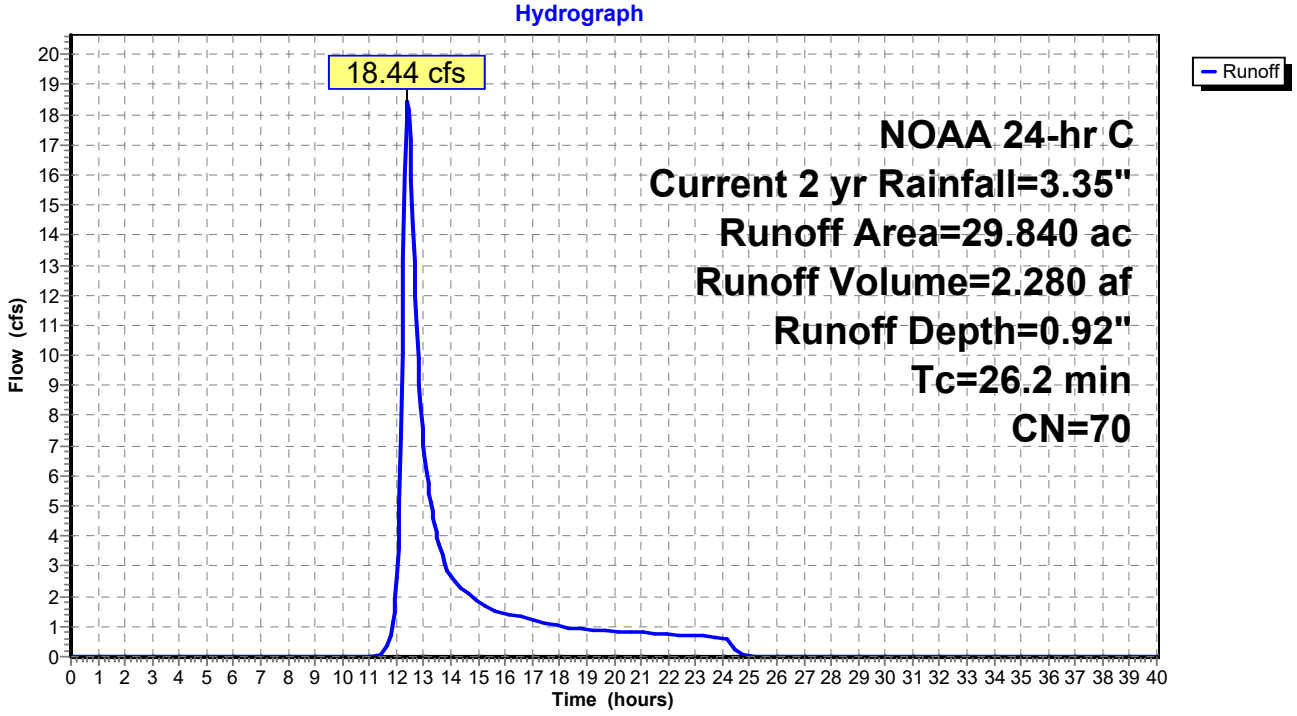
Runoff = 18.44 cfs @ 12.41 hrs, Volume= 2.280 af, Depth= 0.92"
Routed to Link PDA-6OF : Proposed Offsite Drainage Area #6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
13.160	71	Row crops, C&T, Good, HSG B
3.420	78	Row crops, C&T, Good, HSG C
4.100	55	Woods, Good, HSG B
6.460	70	Woods, Good, HSG C
2.700	77	Woods, Good, HSG D
29.840	70	Weighted Average
29.840		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
26.2					**Direct Entry,**

Subcatchment 3S: PDA-6 (offsite pervious)



Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.48	7.01
10.45	0.68	0.00	0.00	13.05	2.56	0.48	6.54
10.50	0.69	0.00	0.00	13.10	2.57	0.49	6.13
10.55	0.70	0.00	0.00	13.15	2.58	0.50	5.76
10.60	0.71	0.00	0.00	13.20	2.60	0.50	5.43
10.65	0.72	0.00	0.00	13.25	2.61	0.51	5.12
10.70	0.73	0.00	0.00	13.30	2.62	0.51	4.85
10.75	0.74	0.00	0.00	13.35	2.63	0.52	4.59
10.80	0.75	0.00	0.00	13.40	2.64	0.52	4.36
10.85	0.77	0.00	0.00	13.45	2.65	0.53	4.15
10.90	0.78	0.00	0.00	13.50	2.66	0.53	3.95
10.95	0.79	0.00	0.00	13.55	2.67	0.54	3.78
11.00	0.80	0.00	0.00	13.60	2.68	0.54	3.61
11.05	0.82	0.00	0.00	13.65	2.68	0.55	3.46
11.10	0.83	0.00	0.00	13.70	2.69	0.55	3.31
11.15	0.85	0.00	0.00	13.75	2.70	0.55	3.17
11.20	0.87	0.00	0.00	13.80	2.71	0.56	3.04
11.25	0.89	0.00	0.00	13.85	2.72	0.56	2.93
11.30	0.91	0.00	0.00	13.90	2.72	0.57	2.83
11.35	0.93	0.00	0.01	13.95	2.73	0.57	2.74
11.40	0.95	0.00	0.02	14.00	2.74	0.57	2.67
11.45	0.97	0.00	0.04	14.05	2.75	0.58	2.61
11.50	0.99	0.00	0.07	14.10	2.75	0.58	2.55
11.55	1.02	0.01	0.13	14.15	2.76	0.59	2.50
11.60	1.06	0.01	0.20	14.20	2.77	0.59	2.45
11.65	1.09	0.01	0.29	14.25	2.77	0.59	2.41
11.70	1.13	0.02	0.43	14.30	2.78	0.60	2.37
11.75	1.18	0.02	0.60	14.35	2.79	0.60	2.33
11.80	1.23	0.03	0.81	14.40	2.79	0.60	2.29
11.85	1.29	0.04	1.09	14.45	2.80	0.61	2.26
11.90	1.36	0.05	1.45	14.50	2.81	0.61	2.22
11.95	1.48	0.08	1.93	14.55	2.81	0.61	2.18
12.00	1.60	0.11	2.61	14.60	2.82	0.62	2.15
12.05	1.79	0.17	3.59	14.65	2.82	0.62	2.11
12.10	1.99	0.24	5.07	14.70	2.83	0.62	2.08
12.15	2.06	0.26	7.25	14.75	2.84	0.62	2.04
12.20	2.12	0.29	10.09	14.80	2.84	0.63	2.00
12.25	2.17	0.31	13.22	14.85	2.85	0.63	1.97
12.30	2.22	0.33	16.00	14.90	2.85	0.63	1.93
12.35	2.26	0.34	17.77	14.95	2.86	0.64	1.89
12.40	2.29	0.36	**18.42**	15.00	2.86	0.64	1.86
12.45	2.33	0.38	18.15	15.05	2.87	0.64	1.82
12.50	2.36	0.39	17.17	15.10	2.87	0.64	1.78
12.55	2.38	0.40	15.80	15.15	2.87	0.65	1.75
12.60	2.40	0.41	14.37	15.20	2.88	0.65	1.71
12.65	2.42	0.42	13.10	15.25	2.88	0.65	1.67
12.70	2.44	0.43	11.96	15.30	2.89	0.65	1.64
12.75	2.46	0.44	10.89	15.35	2.89	0.66	1.61
12.80	2.48	0.45	9.90	15.40	2.90	0.66	1.58
12.85	2.50	0.45	9.02	15.45	2.90	0.66	1.56
12.90	2.52	0.46	8.25	15.50	2.91	0.66	1.54
12.95	2.53	0.47	7.58	15.55	2.91	0.67	1.52

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.67	1.51	18.20	3.10	0.77	0.98
15.65	2.92	0.67	1.49	18.25	3.10	0.77	0.97
15.70	2.92	0.67	1.48	18.30	3.10	0.77	0.96
15.75	2.93	0.67	1.47	18.35	3.10	0.77	0.95
15.80	2.93	0.68	1.46	18.40	3.11	0.77	0.94
15.85	2.94	0.68	1.45	18.45	3.11	0.78	0.93
15.90	2.94	0.68	1.44	18.50	3.11	0.78	0.93
15.95	2.94	0.68	1.43	18.55	3.11	0.78	0.92
16.00	2.95	0.69	1.42	18.60	3.12	0.78	0.92
16.05	2.95	0.69	1.41	18.65	3.12	0.78	0.92
16.10	2.96	0.69	1.40	18.70	3.12	0.78	0.91
16.15	2.96	0.69	1.39	18.75	3.12	0.78	0.91
16.20	2.96	0.69	1.38	18.80	3.13	0.79	0.91
16.25	2.97	0.70	1.37	18.85	3.13	0.79	0.90
16.30	2.97	0.70	1.36	18.90	3.13	0.79	0.90
16.35	2.98	0.70	1.35	18.95	3.13	0.79	0.90
16.40	2.98	0.70	1.34	19.00	3.14	0.79	0.90
16.45	2.98	0.71	1.33	19.05	3.14	0.79	0.89
16.50	2.99	0.71	1.32	19.10	3.14	0.79	0.89
16.55	2.99	0.71	1.31	19.15	3.14	0.80	0.89
16.60	3.00	0.71	1.30	19.20	3.15	0.80	0.89
16.65	3.00	0.71	1.29	19.25	3.15	0.80	0.88
16.70	3.00	0.72	1.28	19.30	3.15	0.80	0.88
16.75	3.01	0.72	1.27	19.35	3.15	0.80	0.88
16.80	3.01	0.72	1.26	19.40	3.16	0.80	0.88
16.85	3.01	0.72	1.25	19.45	3.16	0.80	0.87
16.90	3.02	0.72	1.24	19.50	3.16	0.81	0.87
16.95	3.02	0.73	1.23	19.55	3.16	0.81	0.87
17.00	3.02	0.73	1.22	19.60	3.17	0.81	0.87
17.05	3.03	0.73	1.21	19.65	3.17	0.81	0.86
17.10	3.03	0.73	1.20	19.70	3.17	0.81	0.86
17.15	3.03	0.73	1.19	19.75	3.17	0.81	0.86
17.20	3.04	0.73	1.18	19.80	3.18	0.81	0.86
17.25	3.04	0.74	1.17	19.85	3.18	0.82	0.86
17.30	3.04	0.74	1.16	19.90	3.18	0.82	0.85
17.35	3.05	0.74	1.15	19.95	3.18	0.82	0.85
17.40	3.05	0.74	1.14	20.00	3.19	0.82	0.85
17.45	3.05	0.74	1.13	20.05	3.19	0.82	0.85
17.50	3.06	0.75	1.12	20.10	3.19	0.82	0.84
17.55	3.06	0.75	1.11	20.15	3.19	0.82	0.84
17.60	3.06	0.75	1.10	20.20	3.20	0.83	0.84
17.65	3.06	0.75	1.09	20.25	3.20	0.83	0.84
17.70	3.07	0.75	1.08	20.30	3.20	0.83	0.83
17.75	3.07	0.75	1.07	20.35	3.20	0.83	0.83
17.80	3.07	0.76	1.06	20.40	3.20	0.83	0.83
17.85	3.08	0.76	1.05	20.45	3.21	0.83	0.83
17.90	3.08	0.76	1.04	20.50	3.21	0.83	0.82
17.95	3.08	0.76	1.03	20.55	3.21	0.83	0.82
18.00	3.08	0.76	1.02	20.60	3.21	0.84	0.82
18.05	3.09	0.76	1.01	20.65	3.22	0.84	0.82
18.10	3.09	0.76	1.00	20.70	3.22	0.84	0.81
18.15	3.09	0.77	0.99	20.75	3.22	0.84	0.81

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	0.84	0.81	23.40	3.33	0.90	0.67
20.85	3.23	0.84	0.81	23.45	3.33	0.90	0.67
20.90	3.23	0.84	0.80	23.50	3.33	0.91	0.67
20.95	3.23	0.85	0.80	23.55	3.33	0.91	0.66
21.00	3.23	0.85	0.80	23.60	3.34	0.91	0.66
21.05	3.23	0.85	0.80	23.65	3.34	0.91	0.66
21.10	3.24	0.85	0.79	23.70	3.34	0.91	0.66
21.15	3.24	0.85	0.79	23.75	3.34	0.91	0.65
21.20	3.24	0.85	0.79	23.80	3.34	0.91	0.65
21.25	3.24	0.85	0.78	23.85	3.34	0.91	0.65
21.30	3.24	0.85	0.78	23.90	3.35	0.91	0.64
21.35	3.25	0.86	0.78	23.95	3.35	0.92	0.64
21.40	3.25	0.86	0.78	24.00	**3.35**	**0.92**	0.64
21.45	3.25	0.86	0.78	24.05	3.35	0.92	0.64
21.50	3.25	0.86	0.77	24.10	3.35	0.92	0.64
21.55	3.26	0.86	0.77	24.15	3.35	0.92	0.63
21.60	3.26	0.86	0.77	24.20	3.35	0.92	0.60
21.65	3.26	0.86	0.77	24.25	3.35	0.92	0.54
21.70	3.26	0.86	0.76	24.30	3.35	0.92	0.46
21.75	3.26	0.87	0.76	24.35	3.35	0.92	0.38
21.80	3.27	0.87	0.76	24.40	3.35	0.92	0.30
21.85	3.27	0.87	0.75	24.45	3.35	0.92	0.23
21.90	3.27	0.87	0.75	24.50	3.35	0.92	0.17
21.95	3.27	0.87	0.75	24.55	3.35	0.92	0.13
22.00	3.27	0.87	0.75	24.60	3.35	0.92	0.10
22.05	3.28	0.87	0.74	24.65	3.35	0.92	0.07
22.10	3.28	0.87	0.74	24.70	3.35	0.92	0.05
22.15	3.28	0.88	0.74	24.75	3.35	0.92	0.04
22.20	3.28	0.88	0.74	24.80	3.35	0.92	0.03
22.25	3.28	0.88	0.73	24.85	3.35	0.92	0.02
22.30	3.29	0.88	0.73	24.90	3.35	0.92	0.02
22.35	3.29	0.88	0.73	24.95	3.35	0.92	0.01
22.40	3.29	0.88	0.73	25.00	3.35	0.92	0.01
22.45	3.29	0.88	0.72	25.05	3.35	0.92	0.01
22.50	3.29	0.88	0.72	25.10	3.35	0.92	0.01
22.55	3.30	0.88	0.72	25.15	3.35	0.92	0.00
22.60	3.30	0.89	0.71	25.20	3.35	0.92	0.00
22.65	3.30	0.89	0.71	25.25	3.35	0.92	0.00
22.70	3.30	0.89	0.71	25.30	3.35	0.92	0.00
22.75	3.30	0.89	0.71	25.35	3.35	0.92	0.00
22.80	3.31	0.89	0.70	25.40	3.35	0.92	0.00
22.85	3.31	0.89	0.70	25.45	3.35	0.92	0.00
22.90	3.31	0.89	0.70	25.50	3.35	0.92	0.00
22.95	3.31	0.89	0.70	25.55	3.35	0.92	0.00
23.00	3.31	0.89	0.69	25.60	3.35	0.92	0.00
23.05	3.32	0.90	0.69	25.65	3.35	0.92	0.00
23.10	3.32	0.90	0.69	25.70	3.35	0.92	0.00
23.15	3.32	0.90	0.69	25.75	3.35	0.92	0.00
23.20	3.32	0.90	0.68	25.80	3.35	0.92	0.00
23.25	3.32	0.90	0.68	25.85	3.35	0.92	0.00
23.30	3.32	0.90	0.68	25.90	3.35	0.92	0.00
23.35	3.33	0.90	0.67	25.95	3.35	0.92	0.00

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	0.92	0.00	28.60	3.35	0.92	0.00
26.05	3.35	0.92	0.00	28.65	3.35	0.92	0.00
26.10	3.35	0.92	0.00	28.70	3.35	0.92	0.00
26.15	3.35	0.92	0.00	28.75	3.35	0.92	0.00
26.20	3.35	0.92	0.00	28.80	3.35	0.92	0.00
26.25	3.35	0.92	0.00	28.85	3.35	0.92	0.00
26.30	3.35	0.92	0.00	28.90	3.35	0.92	0.00
26.35	3.35	0.92	0.00	28.95	3.35	0.92	0.00
26.40	3.35	0.92	0.00	29.00	3.35	0.92	0.00
26.45	3.35	0.92	0.00	29.05	3.35	0.92	0.00
26.50	3.35	0.92	0.00	29.10	3.35	0.92	0.00
26.55	3.35	0.92	0.00	29.15	3.35	0.92	0.00
26.60	3.35	0.92	0.00	29.20	3.35	0.92	0.00
26.65	3.35	0.92	0.00	29.25	3.35	0.92	0.00
26.70	3.35	0.92	0.00	29.30	3.35	0.92	0.00
26.75	3.35	0.92	0.00	29.35	3.35	0.92	0.00
26.80	3.35	0.92	0.00	29.40	3.35	0.92	0.00
26.85	3.35	0.92	0.00	29.45	3.35	0.92	0.00
26.90	3.35	0.92	0.00	29.50	3.35	0.92	0.00
26.95	3.35	0.92	0.00	29.55	3.35	0.92	0.00
27.00	3.35	0.92	0.00	29.60	3.35	0.92	0.00
27.05	3.35	0.92	0.00	29.65	3.35	0.92	0.00
27.10	3.35	0.92	0.00	29.70	3.35	0.92	0.00
27.15	3.35	0.92	0.00	29.75	3.35	0.92	0.00
27.20	3.35	0.92	0.00	29.80	3.35	0.92	0.00
27.25	3.35	0.92	0.00	29.85	3.35	0.92	0.00
27.30	3.35	0.92	0.00	29.90	3.35	0.92	0.00
27.35	3.35	0.92	0.00	29.95	3.35	0.92	0.00
27.40	3.35	0.92	0.00	30.00	3.35	0.92	0.00
27.45	3.35	0.92	0.00	30.05	3.35	0.92	0.00
27.50	3.35	0.92	0.00	30.10	3.35	0.92	0.00
27.55	3.35	0.92	0.00	30.15	3.35	0.92	0.00
27.60	3.35	0.92	0.00	30.20	3.35	0.92	0.00
27.65	3.35	0.92	0.00	30.25	3.35	0.92	0.00
27.70	3.35	0.92	0.00	30.30	3.35	0.92	0.00
27.75	3.35	0.92	0.00	30.35	3.35	0.92	0.00
27.80	3.35	0.92	0.00	30.40	3.35	0.92	0.00
27.85	3.35	0.92	0.00	30.45	3.35	0.92	0.00
27.90	3.35	0.92	0.00	30.50	3.35	0.92	0.00
27.95	3.35	0.92	0.00	30.55	3.35	0.92	0.00
28.00	3.35	0.92	0.00	30.60	3.35	0.92	0.00
28.05	3.35	0.92	0.00	30.65	3.35	0.92	0.00
28.10	3.35	0.92	0.00	30.70	3.35	0.92	0.00
28.15	3.35	0.92	0.00	30.75	3.35	0.92	0.00
28.20	3.35	0.92	0.00	30.80	3.35	0.92	0.00
28.25	3.35	0.92	0.00	30.85	3.35	0.92	0.00
28.30	3.35	0.92	0.00	30.90	3.35	0.92	0.00
28.35	3.35	0.92	0.00	30.95	3.35	0.92	0.00
28.40	3.35	0.92	0.00	31.00	3.35	0.92	0.00
28.45	3.35	0.92	0.00	31.05	3.35	0.92	0.00
28.50	3.35	0.92	0.00	31.10	3.35	0.92	0.00
28.55	3.35	0.92	0.00	31.15	3.35	0.92	0.00

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	0.92	0.00	33.80	3.35	0.92	0.00
31.25	3.35	0.92	0.00	33.85	3.35	0.92	0.00
31.30	3.35	0.92	0.00	33.90	3.35	0.92	0.00
31.35	3.35	0.92	0.00	33.95	3.35	0.92	0.00
31.40	3.35	0.92	0.00	34.00	3.35	0.92	0.00
31.45	3.35	0.92	0.00	34.05	3.35	0.92	0.00
31.50	3.35	0.92	0.00	34.10	3.35	0.92	0.00
31.55	3.35	0.92	0.00	34.15	3.35	0.92	0.00
31.60	3.35	0.92	0.00	34.20	3.35	0.92	0.00
31.65	3.35	0.92	0.00	34.25	3.35	0.92	0.00
31.70	3.35	0.92	0.00	34.30	3.35	0.92	0.00
31.75	3.35	0.92	0.00	34.35	3.35	0.92	0.00
31.80	3.35	0.92	0.00	34.40	3.35	0.92	0.00
31.85	3.35	0.92	0.00	34.45	3.35	0.92	0.00
31.90	3.35	0.92	0.00	34.50	3.35	0.92	0.00
31.95	3.35	0.92	0.00	34.55	3.35	0.92	0.00
32.00	3.35	0.92	0.00	34.60	3.35	0.92	0.00
32.05	3.35	0.92	0.00	34.65	3.35	0.92	0.00
32.10	3.35	0.92	0.00	34.70	3.35	0.92	0.00
32.15	3.35	0.92	0.00	34.75	3.35	0.92	0.00
32.20	3.35	0.92	0.00	34.80	3.35	0.92	0.00
32.25	3.35	0.92	0.00	34.85	3.35	0.92	0.00
32.30	3.35	0.92	0.00	34.90	3.35	0.92	0.00
32.35	3.35	0.92	0.00	34.95	3.35	0.92	0.00
32.40	3.35	0.92	0.00	35.00	3.35	0.92	0.00
32.45	3.35	0.92	0.00	35.05	3.35	0.92	0.00
32.50	3.35	0.92	0.00	35.10	3.35	0.92	0.00
32.55	3.35	0.92	0.00	35.15	3.35	0.92	0.00
32.60	3.35	0.92	0.00	35.20	3.35	0.92	0.00
32.65	3.35	0.92	0.00	35.25	3.35	0.92	0.00
32.70	3.35	0.92	0.00	35.30	3.35	0.92	0.00
32.75	3.35	0.92	0.00	35.35	3.35	0.92	0.00
32.80	3.35	0.92	0.00	35.40	3.35	0.92	0.00
32.85	3.35	0.92	0.00	35.45	3.35	0.92	0.00
32.90	3.35	0.92	0.00	35.50	3.35	0.92	0.00
32.95	3.35	0.92	0.00	35.55	3.35	0.92	0.00
33.00	3.35	0.92	0.00	35.60	3.35	0.92	0.00
33.05	3.35	0.92	0.00	35.65	3.35	0.92	0.00
33.10	3.35	0.92	0.00	35.70	3.35	0.92	0.00
33.15	3.35	0.92	0.00	35.75	3.35	0.92	0.00
33.20	3.35	0.92	0.00	35.80	3.35	0.92	0.00
33.25	3.35	0.92	0.00	35.85	3.35	0.92	0.00
33.30	3.35	0.92	0.00	35.90	3.35	0.92	0.00
33.35	3.35	0.92	0.00	35.95	3.35	0.92	0.00
33.40	3.35	0.92	0.00	36.00	3.35	0.92	0.00
33.45	3.35	0.92	0.00	36.05	3.35	0.92	0.00
33.50	3.35	0.92	0.00	36.10	3.35	0.92	0.00
33.55	3.35	0.92	0.00	36.15	3.35	0.92	0.00
33.60	3.35	0.92	0.00	36.20	3.35	0.92	0.00
33.65	3.35	0.92	0.00	36.25	3.35	0.92	0.00
33.70	3.35	0.92	0.00	36.30	3.35	0.92	0.00
33.75	3.35	0.92	0.00	36.35	3.35	0.92	0.00

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	0.92	0.00
36.45	3.35	0.92	0.00
36.50	3.35	0.92	0.00
36.55	3.35	0.92	0.00
36.60	3.35	0.92	0.00
36.65	3.35	0.92	0.00
36.70	3.35	0.92	0.00
36.75	3.35	0.92	0.00
36.80	3.35	0.92	0.00
36.85	3.35	0.92	0.00
36.90	3.35	0.92	0.00
36.95	3.35	0.92	0.00
37.00	3.35	0.92	0.00
37.05	3.35	0.92	0.00
37.10	3.35	0.92	0.00
37.15	3.35	0.92	0.00
37.20	3.35	0.92	0.00
37.25	3.35	0.92	0.00
37.30	3.35	0.92	0.00
37.35	3.35	0.92	0.00
37.40	3.35	0.92	0.00
37.45	3.35	0.92	0.00
37.50	3.35	0.92	0.00
37.55	3.35	0.92	0.00
37.60	3.35	0.92	0.00
37.65	3.35	0.92	0.00
37.70	3.35	0.92	0.00
37.75	3.35	0.92	0.00
37.80	3.35	0.92	0.00
37.85	3.35	0.92	0.00
37.90	3.35	0.92	0.00
37.95	3.35	0.92	0.00
38.00	3.35	0.92	0.00
38.05	3.35	0.92	0.00
38.10	3.35	0.92	0.00
38.15	3.35	0.92	0.00
38.20	3.35	0.92	0.00
38.25	3.35	0.92	0.00
38.30	3.35	0.92	0.00
38.35	3.35	0.92	0.00
38.40	3.35	0.92	0.00
38.45	3.35	0.92	0.00
38.50	3.35	0.92	0.00
38.55	3.35	0.92	0.00
38.60	3.35	0.92	0.00
38.65	3.35	0.92	0.00
38.70	3.35	0.92	0.00
38.75	3.35	0.92	0.00
38.80	3.35	0.92	0.00
38.85	3.35	0.92	0.00
38.90	3.35	0.92	0.00
38.95	3.35	0.92	0.00
39.00	3.35	0.92	0.00
39.05	3.35	0.92	0.00
39.10	3.35	0.92	0.00
39.15	3.35	0.92	0.00
39.20	3.35	0.92	0.00
39.25	3.35	0.92	0.00
39.30	3.35	0.92	0.00
39.35	3.35	0.92	0.00
39.40	3.35	0.92	0.00
39.45	3.35	0.92	0.00
39.50	3.35	0.92	0.00
39.55	3.35	0.92	0.00
39.60	3.35	0.92	0.00
39.65	3.35	0.92	0.00
39.70	3.35	0.92	0.00
39.75	3.35	0.92	0.00
39.80	3.35	0.92	0.00
39.85	3.35	0.92	0.00
39.90	3.35	0.92	0.00
39.95	3.35	0.92	0.00
40.00	3.35	0.92	0.00

Summary for Subcatchment 4S: PDA-6 (offsite impervious)

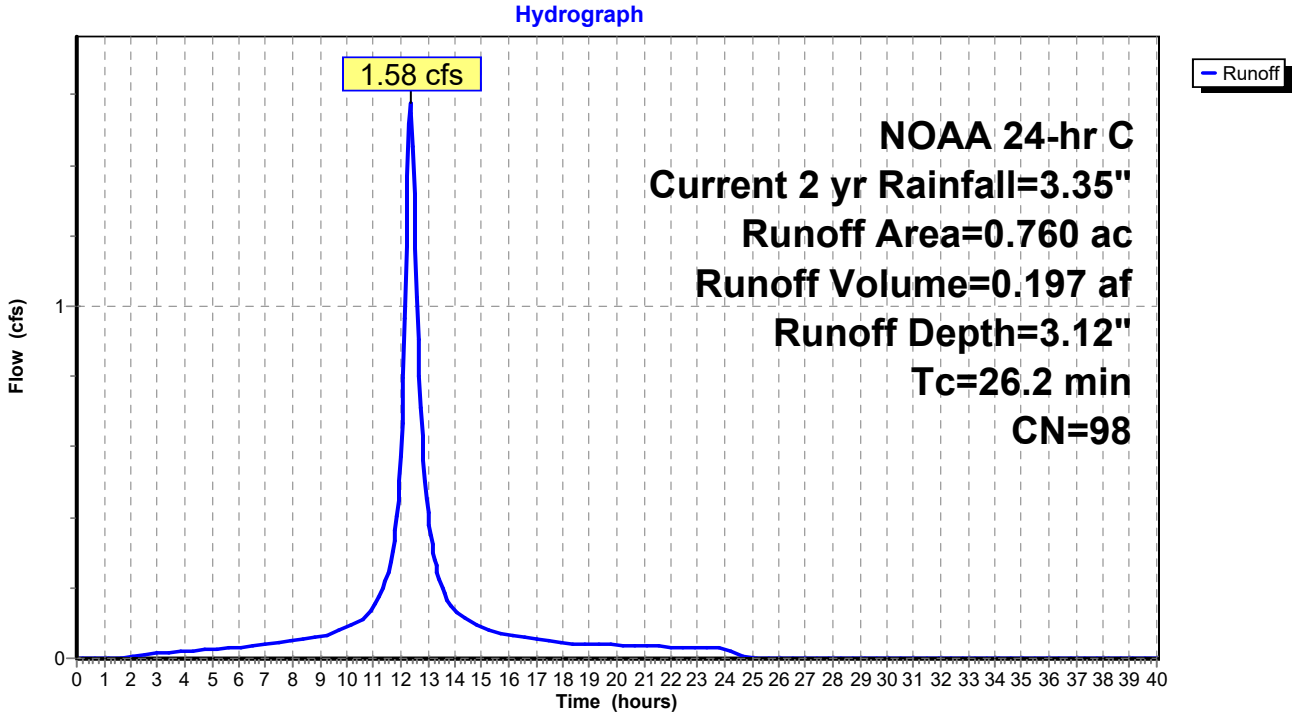
Runoff = 1.58 cfs @ 12.36 hrs, Volume= 0.197 af, Depth= 3.12"
Routed to Link PDA-6OF : Proposed Offsite Drainage Area #6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

	Area (ac)	CN	Description
*	0.760	98	
	0.760		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
26.2					**Direct Entry,**

Subcatchment 4S: PDA-6 (offsite impervious)



Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.01	0.01
0.05	0.00	0.00	0.00	2.65	0.10	0.01	0.01
0.10	0.00	0.00	0.00	2.70	0.11	0.02	0.01
0.15	0.01	0.00	0.00	2.75	0.11	0.02	0.01
0.20	0.01	0.00	0.00	2.80	0.11	0.02	0.01
0.25	0.01	0.00	0.00	2.85	0.11	0.02	0.01
0.30	0.01	0.00	0.00	2.90	0.11	0.02	0.01
0.35	0.01	0.00	0.00	2.95	0.12	0.02	0.01
0.40	0.01	0.00	0.00	3.00	0.12	0.02	0.01
0.45	0.02	0.00	0.00	3.05	0.12	0.02	0.01
0.50	0.02	0.00	0.00	3.10	0.12	0.02	0.01
0.55	0.02	0.00	0.00	3.15	0.12	0.02	0.01
0.60	0.02	0.00	0.00	3.20	0.13	0.03	0.01
0.65	0.02	0.00	0.00	3.25	0.13	0.03	0.01
0.70	0.03	0.00	0.00	3.30	0.13	0.03	0.02
0.75	0.03	0.00	0.00	3.35	0.13	0.03	0.02
0.80	0.03	0.00	0.00	3.40	0.14	0.03	0.02
0.85	0.03	0.00	0.00	3.45	0.14	0.03	0.02
0.90	0.03	0.00	0.00	3.50	0.14	0.03	0.02
0.95	0.03	0.00	0.00	3.55	0.14	0.03	0.02
1.00	0.04	0.00	0.00	3.60	0.15	0.04	0.02
1.05	0.04	0.00	0.00	3.65	0.15	0.04	0.02
1.10	0.04	0.00	0.00	3.70	0.15	0.04	0.02
1.15	0.04	0.00	0.00	3.75	0.15	0.04	0.02
1.20	0.04	0.00	0.00	3.80	0.15	0.04	0.02
1.25	0.05	0.00	0.00	3.85	0.16	0.04	0.02
1.30	0.05	0.00	0.00	3.90	0.16	0.04	0.02
1.35	0.05	0.00	0.00	3.95	0.16	0.04	0.02
1.40	0.05	0.00	0.00	4.00	0.16	0.05	0.02
1.45	0.05	0.00	0.00	4.05	0.17	0.05	0.02
1.50	0.06	0.00	0.00	4.10	0.17	0.05	0.02
1.55	0.06	0.00	0.00	4.15	0.17	0.05	0.02
1.60	0.06	0.00	0.00	4.20	0.17	0.05	0.02
1.65	0.06	0.00	0.00	4.25	0.18	0.05	0.02
1.70	0.06	0.00	0.00	4.30	0.18	0.06	0.02
1.75	0.07	0.00	0.00	4.35	0.18	0.06	0.02
1.80	0.07	0.00	0.00	4.40	0.18	0.06	0.02
1.85	0.07	0.00	0.00	4.45	0.19	0.06	0.02
1.90	0.07	0.00	0.00	4.50	0.19	0.06	0.02
1.95	0.07	0.00	0.00	4.55	0.19	0.06	0.02
2.00	0.08	0.01	0.00	4.60	0.19	0.07	0.02
2.05	0.08	0.01	0.01	4.65	0.20	0.07	0.02
2.10	0.08	0.01	0.01	4.70	0.20	0.07	0.02
2.15	0.08	0.01	0.01	4.75	0.20	0.07	0.02
2.20	0.08	0.01	0.01	4.80	0.20	0.07	0.02
2.25	0.09	0.01	0.01	4.85	0.21	0.07	0.02
2.30	0.09	0.01	0.01	4.90	0.21	0.08	0.02
2.35	0.09	0.01	0.01	4.95	0.21	0.08	0.03
2.40	0.09	0.01	0.01	5.00	0.21	0.08	0.03
2.45	0.09	0.01	0.01	5.05	0.22	0.08	0.03
2.50	0.10	0.01	0.01	5.10	0.22	0.08	0.03
2.55	0.10	0.01	0.01	5.15	0.22	0.08	0.03

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.09	0.03	7.80	0.39	0.22	0.05
5.25	0.23	0.09	0.03	7.85	0.39	0.22	0.05
5.30	0.23	0.09	0.03	7.90	0.39	0.22	0.05
5.35	0.23	0.09	0.03	7.95	0.40	0.23	0.05
5.40	0.23	0.09	0.03	8.00	0.40	0.23	0.05
5.45	0.24	0.10	0.03	8.05	0.41	0.23	0.05
5.50	0.24	0.10	0.03	8.10	0.41	0.24	0.05
5.55	0.24	0.10	0.03	8.15	0.41	0.24	0.05
5.60	0.24	0.10	0.03	8.20	0.42	0.24	0.05
5.65	0.25	0.10	0.03	8.25	0.42	0.25	0.05
5.70	0.25	0.11	0.03	8.30	0.43	0.25	0.05
5.75	0.25	0.11	0.03	8.35	0.43	0.26	0.05
5.80	0.25	0.11	0.03	8.40	0.43	0.26	0.05
5.85	0.26	0.11	0.03	8.45	0.44	0.26	0.05
5.90	0.26	0.11	0.03	8.50	0.44	0.27	0.06
5.95	0.26	0.12	0.03	8.55	0.45	0.27	0.06
6.00	0.27	0.12	0.03	8.60	0.45	0.28	0.06
6.05	0.27	0.12	0.03	8.65	0.46	0.28	0.06
6.10	0.27	0.12	0.03	8.70	0.46	0.28	0.06
6.15	0.27	0.12	0.03	8.75	0.47	0.29	0.06
6.20	0.28	0.13	0.03	8.80	0.47	0.29	0.06
6.25	0.28	0.13	0.03	8.85	0.48	0.30	0.06
6.30	0.28	0.13	0.03	8.90	0.48	0.30	0.06
6.35	0.29	0.13	0.03	8.95	0.48	0.30	0.06
6.40	0.29	0.14	0.03	9.00	0.49	0.31	0.06
6.45	0.29	0.14	0.03	9.05	0.49	0.31	0.06
6.50	0.29	0.14	0.03	9.10	0.50	0.32	0.06
6.55	0.30	0.14	0.03	9.15	0.50	0.32	0.06
6.60	0.30	0.15	0.03	9.20	0.51	0.33	0.06
6.65	0.30	0.15	0.04	9.25	0.51	0.33	0.06
6.70	0.31	0.15	0.04	9.30	0.52	0.34	0.07
6.75	0.31	0.15	0.04	9.35	0.53	0.34	0.07
6.80	0.31	0.16	0.04	9.40	0.53	0.35	0.07
6.85	0.32	0.16	0.04	9.45	0.54	0.35	0.07
6.90	0.32	0.16	0.04	9.50	0.54	0.36	0.07
6.95	0.32	0.16	0.04	9.55	0.55	0.36	0.07
7.00	0.33	0.17	0.04	9.60	0.56	0.37	0.07
7.05	0.33	0.17	0.04	9.65	0.56	0.38	0.08
7.10	0.33	0.17	0.04	9.70	0.57	0.38	0.08
7.15	0.34	0.18	0.04	9.75	0.58	0.39	0.08
7.20	0.34	0.18	0.04	9.80	0.58	0.39	0.08
7.25	0.34	0.18	0.04	9.85	0.59	0.40	0.08
7.30	0.35	0.18	0.04	9.90	0.60	0.41	0.09
7.35	0.35	0.19	0.04	9.95	0.60	0.41	0.09
7.40	0.35	0.19	0.04	10.00	0.61	0.42	0.09
7.45	0.36	0.19	0.04	10.05	0.62	0.43	0.09
7.50	0.36	0.20	0.04	10.10	0.63	0.43	0.09
7.55	0.37	0.20	0.04	10.15	0.63	0.44	0.09
7.60	0.37	0.20	0.05	10.20	0.64	0.45	0.10
7.65	0.37	0.21	0.05	10.25	0.65	0.46	0.10
7.70	0.38	0.21	0.05	10.30	0.66	0.46	0.10
7.75	0.38	0.21	0.05	10.35	0.67	0.47	0.10

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.48	0.10	13.00	2.55	2.32	0.41
10.45	0.68	0.49	0.11	13.05	2.56	2.33	0.38
10.50	0.69	0.49	0.11	13.10	2.57	2.34	0.35
10.55	0.70	0.50	0.11	13.15	2.58	2.36	0.32
10.60	0.71	0.51	0.11	13.20	2.60	2.37	0.30
10.65	0.72	0.52	0.11	13.25	2.61	2.38	0.28
10.70	0.73	0.53	0.12	13.30	2.62	2.39	0.26
10.75	0.74	0.54	0.12	13.35	2.63	2.40	0.25
10.80	0.75	0.55	0.12	13.40	2.64	2.41	0.23
10.85	0.77	0.57	0.13	13.45	2.65	2.42	0.22
10.90	0.78	0.58	0.13	13.50	2.66	2.43	0.21
10.95	0.79	0.59	0.14	13.55	2.67	2.44	0.20
11.00	0.80	0.60	0.15	13.60	2.68	2.45	0.19
11.05	0.82	0.62	0.15	13.65	2.68	2.45	0.18
11.10	0.83	0.63	0.16	13.70	2.69	2.46	0.17
11.15	0.85	0.65	0.17	13.75	2.70	2.47	0.16
11.20	0.87	0.66	0.17	13.80	2.71	2.48	0.15
11.25	0.89	0.68	0.18	13.85	2.72	2.49	0.15
11.30	0.91	0.70	0.19	13.90	2.72	2.49	0.14
11.35	0.93	0.72	0.20	13.95	2.73	2.50	0.14
11.40	0.95	0.74	0.21	14.00	2.74	2.51	0.13
11.45	0.97	0.76	0.23	14.05	2.75	2.52	0.13
11.50	0.99	0.78	0.24	14.10	2.75	2.52	0.13
11.55	1.02	0.81	0.25	14.15	2.76	2.53	0.12
11.60	1.06	0.85	0.26	14.20	2.77	2.54	0.12
11.65	1.09	0.88	0.28	14.25	2.77	2.54	0.12
11.70	1.13	0.92	0.30	14.30	2.78	2.55	0.12
11.75	1.18	0.96	0.33	14.35	2.79	2.56	0.11
11.80	1.23	1.01	0.36	14.40	2.79	2.56	0.11
11.85	1.29	1.08	0.40	14.45	2.80	2.57	0.11
11.90	1.36	1.14	0.45	14.50	2.81	2.58	0.11
11.95	1.48	1.26	0.50	14.55	2.81	2.58	0.11
12.00	1.60	1.38	0.57	14.60	2.82	2.59	0.10
12.05	1.79	1.57	0.67	14.65	2.82	2.59	0.10
12.10	1.99	1.76	0.80	14.70	2.83	2.60	0.10
12.15	2.06	1.83	0.97	14.75	2.84	2.60	0.10
12.20	2.12	1.90	1.17	14.80	2.84	2.61	0.10
12.25	2.17	1.95	1.37	14.85	2.85	2.61	0.09
12.30	2.22	1.99	1.52	14.90	2.85	2.62	0.09
12.35	2.26	2.03	**1.58**	14.95	2.86	2.62	0.09
12.40	2.29	2.06	1.55	15.00	2.86	2.63	0.09
12.45	2.33	2.10	1.45	15.05	2.87	2.63	0.09
12.50	2.36	2.13	1.32	15.10	2.87	2.64	0.09
12.55	2.38	2.15	1.17	15.15	2.87	2.64	0.08
12.60	2.40	2.18	1.02	15.20	2.88	2.65	0.08
12.65	2.42	2.20	0.90	15.25	2.88	2.65	0.08
12.70	2.44	2.22	0.80	15.30	2.89	2.66	0.08
12.75	2.46	2.23	0.71	15.35	2.89	2.66	0.08
12.80	2.48	2.25	0.63	15.40	2.90	2.67	0.07
12.85	2.50	2.27	0.56	15.45	2.90	2.67	0.07
12.90	2.52	2.29	0.50	15.50	2.91	2.68	0.07
12.95	2.53	2.30	0.45	15.55	2.91	2.68	0.07

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	2.68	0.07	18.20	3.10	2.86	0.04
15.65	2.92	2.69	0.07	18.25	3.10	2.87	0.04
15.70	2.92	2.69	0.07	18.30	3.10	2.87	0.04
15.75	2.93	2.70	0.07	18.35	3.10	2.87	0.04
15.80	2.93	2.70	0.07	18.40	3.11	2.87	0.04
15.85	2.94	2.70	0.07	18.45	3.11	2.88	0.04
15.90	2.94	2.71	0.07	18.50	3.11	2.88	0.04
15.95	2.94	2.71	0.07	18.55	3.11	2.88	0.04
16.00	2.95	2.72	0.07	18.60	3.12	2.88	0.04
16.05	2.95	2.72	0.07	18.65	3.12	2.89	0.04
16.10	2.96	2.73	0.07	18.70	3.12	2.89	0.04
16.15	2.96	2.73	0.06	18.75	3.12	2.89	0.04
16.20	2.96	2.73	0.06	18.80	3.13	2.89	0.04
16.25	2.97	2.74	0.06	18.85	3.13	2.90	0.04
16.30	2.97	2.74	0.06	18.90	3.13	2.90	0.04
16.35	2.98	2.74	0.06	18.95	3.13	2.90	0.04
16.40	2.98	2.75	0.06	19.00	3.14	2.90	0.04
16.45	2.98	2.75	0.06	19.05	3.14	2.91	0.04
16.50	2.99	2.76	0.06	19.10	3.14	2.91	0.04
16.55	2.99	2.76	0.06	19.15	3.14	2.91	0.04
16.60	3.00	2.76	0.06	19.20	3.15	2.91	0.04
16.65	3.00	2.77	0.06	19.25	3.15	2.92	0.04
16.70	3.00	2.77	0.06	19.30	3.15	2.92	0.04
16.75	3.01	2.77	0.06	19.35	3.15	2.92	0.04
16.80	3.01	2.78	0.06	19.40	3.16	2.92	0.04
16.85	3.01	2.78	0.06	19.45	3.16	2.93	0.04
16.90	3.02	2.78	0.06	19.50	3.16	2.93	0.04
16.95	3.02	2.79	0.06	19.55	3.16	2.93	0.04
17.00	3.02	2.79	0.06	19.60	3.17	2.93	0.04
17.05	3.03	2.79	0.06	19.65	3.17	2.94	0.04
17.10	3.03	2.80	0.05	19.70	3.17	2.94	0.04
17.15	3.03	2.80	0.05	19.75	3.17	2.94	0.04
17.20	3.04	2.80	0.05	19.80	3.18	2.94	0.04
17.25	3.04	2.81	0.05	19.85	3.18	2.95	0.04
17.30	3.04	2.81	0.05	19.90	3.18	2.95	0.04
17.35	3.05	2.81	0.05	19.95	3.18	2.95	0.04
17.40	3.05	2.82	0.05	20.00	3.19	2.95	0.04
17.45	3.05	2.82	0.05	20.05	3.19	2.96	0.04
17.50	3.06	2.82	0.05	20.10	3.19	2.96	0.04
17.55	3.06	2.83	0.05	20.15	3.19	2.96	0.04
17.60	3.06	2.83	0.05	20.20	3.20	2.96	0.04
17.65	3.06	2.83	0.05	20.25	3.20	2.97	0.04
17.70	3.07	2.84	0.05	20.30	3.20	2.97	0.04
17.75	3.07	2.84	0.05	20.35	3.20	2.97	0.04
17.80	3.07	2.84	0.05	20.40	3.20	2.97	0.04
17.85	3.08	2.84	0.05	20.45	3.21	2.97	0.04
17.90	3.08	2.85	0.05	20.50	3.21	2.98	0.04
17.95	3.08	2.85	0.05	20.55	3.21	2.98	0.04
18.00	3.08	2.85	0.05	20.60	3.21	2.98	0.04
18.05	3.09	2.86	0.05	20.65	3.22	2.98	0.04
18.10	3.09	2.86	0.04	20.70	3.22	2.99	0.04
18.15	3.09	2.86	0.04	20.75	3.22	2.99	0.04

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	2.99	0.04	23.40	3.33	3.10	0.03
20.85	3.23	2.99	0.04	23.45	3.33	3.10	0.03
20.90	3.23	2.99	0.03	23.50	3.33	3.10	0.03
20.95	3.23	3.00	0.03	23.55	3.33	3.10	0.03
21.00	3.23	3.00	0.03	23.60	3.34	3.10	0.03
21.05	3.23	3.00	0.03	23.65	3.34	3.10	0.03
21.10	3.24	3.00	0.03	23.70	3.34	3.11	0.03
21.15	3.24	3.01	0.03	23.75	3.34	3.11	0.03
21.20	3.24	3.01	0.03	23.80	3.34	3.11	0.03
21.25	3.24	3.01	0.03	23.85	3.34	3.11	0.03
21.30	3.24	3.01	0.03	23.90	3.35	3.11	0.03
21.35	3.25	3.01	0.03	23.95	3.35	3.11	0.03
21.40	3.25	3.02	0.03	24.00	**3.35**	**3.12**	0.03
21.45	3.25	3.02	0.03	24.05	3.35	3.12	0.03
21.50	3.25	3.02	0.03	24.10	3.35	3.12	0.03
21.55	3.26	3.02	0.03	24.15	3.35	3.12	0.03
21.60	3.26	3.02	0.03	24.20	3.35	3.12	0.03
21.65	3.26	3.03	0.03	24.25	3.35	3.12	0.02
21.70	3.26	3.03	0.03	24.30	3.35	3.12	0.02
21.75	3.26	3.03	0.03	24.35	3.35	3.12	0.02
21.80	3.27	3.03	0.03	24.40	3.35	3.12	0.01
21.85	3.27	3.04	0.03	24.45	3.35	3.12	0.01
21.90	3.27	3.04	0.03	24.50	3.35	3.12	0.01
21.95	3.27	3.04	0.03	24.55	3.35	3.12	0.01
22.00	3.27	3.04	0.03	24.60	3.35	3.12	0.00
22.05	3.28	3.04	0.03	24.65	3.35	3.12	0.00
22.10	3.28	3.05	0.03	24.70	3.35	3.12	0.00
22.15	3.28	3.05	0.03	24.75	3.35	3.12	0.00
22.20	3.28	3.05	0.03	24.80	3.35	3.12	0.00
22.25	3.28	3.05	0.03	24.85	3.35	3.12	0.00
22.30	3.29	3.05	0.03	24.90	3.35	3.12	0.00
22.35	3.29	3.06	0.03	24.95	3.35	3.12	0.00
22.40	3.29	3.06	0.03	25.00	3.35	3.12	0.00
22.45	3.29	3.06	0.03	25.05	3.35	3.12	0.00
22.50	3.29	3.06	0.03	25.10	3.35	3.12	0.00
22.55	3.30	3.06	0.03	25.15	3.35	3.12	0.00
22.60	3.30	3.07	0.03	25.20	3.35	3.12	0.00
22.65	3.30	3.07	0.03	25.25	3.35	3.12	0.00
22.70	3.30	3.07	0.03	25.30	3.35	3.12	0.00
22.75	3.30	3.07	0.03	25.35	3.35	3.12	0.00
22.80	3.31	3.07	0.03	25.40	3.35	3.12	0.00
22.85	3.31	3.07	0.03	25.45	3.35	3.12	0.00
22.90	3.31	3.08	0.03	25.50	3.35	3.12	0.00
22.95	3.31	3.08	0.03	25.55	3.35	3.12	0.00
23.00	3.31	3.08	0.03	25.60	3.35	3.12	0.00
23.05	3.32	3.08	0.03	25.65	3.35	3.12	0.00
23.10	3.32	3.08	0.03	25.70	3.35	3.12	0.00
23.15	3.32	3.09	0.03	25.75	3.35	3.12	0.00
23.20	3.32	3.09	0.03	25.80	3.35	3.12	0.00
23.25	3.32	3.09	0.03	25.85	3.35	3.12	0.00
23.30	3.32	3.09	0.03	25.90	3.35	3.12	0.00
23.35	3.33	3.09	0.03	25.95	3.35	3.12	0.00

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	3.12	0.00	28.60	3.35	3.12	0.00
26.05	3.35	3.12	0.00	28.65	3.35	3.12	0.00
26.10	3.35	3.12	0.00	28.70	3.35	3.12	0.00
26.15	3.35	3.12	0.00	28.75	3.35	3.12	0.00
26.20	3.35	3.12	0.00	28.80	3.35	3.12	0.00
26.25	3.35	3.12	0.00	28.85	3.35	3.12	0.00
26.30	3.35	3.12	0.00	28.90	3.35	3.12	0.00
26.35	3.35	3.12	0.00	28.95	3.35	3.12	0.00
26.40	3.35	3.12	0.00	29.00	3.35	3.12	0.00
26.45	3.35	3.12	0.00	29.05	3.35	3.12	0.00
26.50	3.35	3.12	0.00	29.10	3.35	3.12	0.00
26.55	3.35	3.12	0.00	29.15	3.35	3.12	0.00
26.60	3.35	3.12	0.00	29.20	3.35	3.12	0.00
26.65	3.35	3.12	0.00	29.25	3.35	3.12	0.00
26.70	3.35	3.12	0.00	29.30	3.35	3.12	0.00
26.75	3.35	3.12	0.00	29.35	3.35	3.12	0.00
26.80	3.35	3.12	0.00	29.40	3.35	3.12	0.00
26.85	3.35	3.12	0.00	29.45	3.35	3.12	0.00
26.90	3.35	3.12	0.00	29.50	3.35	3.12	0.00
26.95	3.35	3.12	0.00	29.55	3.35	3.12	0.00
27.00	3.35	3.12	0.00	29.60	3.35	3.12	0.00
27.05	3.35	3.12	0.00	29.65	3.35	3.12	0.00
27.10	3.35	3.12	0.00	29.70	3.35	3.12	0.00
27.15	3.35	3.12	0.00	29.75	3.35	3.12	0.00
27.20	3.35	3.12	0.00	29.80	3.35	3.12	0.00
27.25	3.35	3.12	0.00	29.85	3.35	3.12	0.00
27.30	3.35	3.12	0.00	29.90	3.35	3.12	0.00
27.35	3.35	3.12	0.00	29.95	3.35	3.12	0.00
27.40	3.35	3.12	0.00	30.00	3.35	3.12	0.00
27.45	3.35	3.12	0.00	30.05	3.35	3.12	0.00
27.50	3.35	3.12	0.00	30.10	3.35	3.12	0.00
27.55	3.35	3.12	0.00	30.15	3.35	3.12	0.00
27.60	3.35	3.12	0.00	30.20	3.35	3.12	0.00
27.65	3.35	3.12	0.00	30.25	3.35	3.12	0.00
27.70	3.35	3.12	0.00	30.30	3.35	3.12	0.00
27.75	3.35	3.12	0.00	30.35	3.35	3.12	0.00
27.80	3.35	3.12	0.00	30.40	3.35	3.12	0.00
27.85	3.35	3.12	0.00	30.45	3.35	3.12	0.00
27.90	3.35	3.12	0.00	30.50	3.35	3.12	0.00
27.95	3.35	3.12	0.00	30.55	3.35	3.12	0.00
28.00	3.35	3.12	0.00	30.60	3.35	3.12	0.00
28.05	3.35	3.12	0.00	30.65	3.35	3.12	0.00
28.10	3.35	3.12	0.00	30.70	3.35	3.12	0.00
28.15	3.35	3.12	0.00	30.75	3.35	3.12	0.00
28.20	3.35	3.12	0.00	30.80	3.35	3.12	0.00
28.25	3.35	3.12	0.00	30.85	3.35	3.12	0.00
28.30	3.35	3.12	0.00	30.90	3.35	3.12	0.00
28.35	3.35	3.12	0.00	30.95	3.35	3.12	0.00
28.40	3.35	3.12	0.00	31.00	3.35	3.12	0.00
28.45	3.35	3.12	0.00	31.05	3.35	3.12	0.00
28.50	3.35	3.12	0.00	31.10	3.35	3.12	0.00
28.55	3.35	3.12	0.00	31.15	3.35	3.12	0.00

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	3.12	0.00	33.80	3.35	3.12	0.00
31.25	3.35	3.12	0.00	33.85	3.35	3.12	0.00
31.30	3.35	3.12	0.00	33.90	3.35	3.12	0.00
31.35	3.35	3.12	0.00	33.95	3.35	3.12	0.00
31.40	3.35	3.12	0.00	34.00	3.35	3.12	0.00
31.45	3.35	3.12	0.00	34.05	3.35	3.12	0.00
31.50	3.35	3.12	0.00	34.10	3.35	3.12	0.00
31.55	3.35	3.12	0.00	34.15	3.35	3.12	0.00
31.60	3.35	3.12	0.00	34.20	3.35	3.12	0.00
31.65	3.35	3.12	0.00	34.25	3.35	3.12	0.00
31.70	3.35	3.12	0.00	34.30	3.35	3.12	0.00
31.75	3.35	3.12	0.00	34.35	3.35	3.12	0.00
31.80	3.35	3.12	0.00	34.40	3.35	3.12	0.00
31.85	3.35	3.12	0.00	34.45	3.35	3.12	0.00
31.90	3.35	3.12	0.00	34.50	3.35	3.12	0.00
31.95	3.35	3.12	0.00	34.55	3.35	3.12	0.00
32.00	3.35	3.12	0.00	34.60	3.35	3.12	0.00
32.05	3.35	3.12	0.00	34.65	3.35	3.12	0.00
32.10	3.35	3.12	0.00	34.70	3.35	3.12	0.00
32.15	3.35	3.12	0.00	34.75	3.35	3.12	0.00
32.20	3.35	3.12	0.00	34.80	3.35	3.12	0.00
32.25	3.35	3.12	0.00	34.85	3.35	3.12	0.00
32.30	3.35	3.12	0.00	34.90	3.35	3.12	0.00
32.35	3.35	3.12	0.00	34.95	3.35	3.12	0.00
32.40	3.35	3.12	0.00	35.00	3.35	3.12	0.00
32.45	3.35	3.12	0.00	35.05	3.35	3.12	0.00
32.50	3.35	3.12	0.00	35.10	3.35	3.12	0.00
32.55	3.35	3.12	0.00	35.15	3.35	3.12	0.00
32.60	3.35	3.12	0.00	35.20	3.35	3.12	0.00
32.65	3.35	3.12	0.00	35.25	3.35	3.12	0.00
32.70	3.35	3.12	0.00	35.30	3.35	3.12	0.00
32.75	3.35	3.12	0.00	35.35	3.35	3.12	0.00
32.80	3.35	3.12	0.00	35.40	3.35	3.12	0.00
32.85	3.35	3.12	0.00	35.45	3.35	3.12	0.00
32.90	3.35	3.12	0.00	35.50	3.35	3.12	0.00
32.95	3.35	3.12	0.00	35.55	3.35	3.12	0.00
33.00	3.35	3.12	0.00	35.60	3.35	3.12	0.00
33.05	3.35	3.12	0.00	35.65	3.35	3.12	0.00
33.10	3.35	3.12	0.00	35.70	3.35	3.12	0.00
33.15	3.35	3.12	0.00	35.75	3.35	3.12	0.00
33.20	3.35	3.12	0.00	35.80	3.35	3.12	0.00
33.25	3.35	3.12	0.00	35.85	3.35	3.12	0.00
33.30	3.35	3.12	0.00	35.90	3.35	3.12	0.00
33.35	3.35	3.12	0.00	35.95	3.35	3.12	0.00
33.40	3.35	3.12	0.00	36.00	3.35	3.12	0.00
33.45	3.35	3.12	0.00	36.05	3.35	3.12	0.00
33.50	3.35	3.12	0.00	36.10	3.35	3.12	0.00
33.55	3.35	3.12	0.00	36.15	3.35	3.12	0.00
33.60	3.35	3.12	0.00	36.20	3.35	3.12	0.00
33.65	3.35	3.12	0.00	36.25	3.35	3.12	0.00
33.70	3.35	3.12	0.00	36.30	3.35	3.12	0.00
33.75	3.35	3.12	0.00	36.35	3.35	3.12	0.00

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	3.12	0.00
36.45	3.35	3.12	0.00
36.50	3.35	3.12	0.00
36.55	3.35	3.12	0.00
36.60	3.35	3.12	0.00
36.65	3.35	3.12	0.00
36.70	3.35	3.12	0.00
36.75	3.35	3.12	0.00
36.80	3.35	3.12	0.00
36.85	3.35	3.12	0.00
36.90	3.35	3.12	0.00
36.95	3.35	3.12	0.00
37.00	3.35	3.12	0.00
37.05	3.35	3.12	0.00
37.10	3.35	3.12	0.00
37.15	3.35	3.12	0.00
37.20	3.35	3.12	0.00
37.25	3.35	3.12	0.00
37.30	3.35	3.12	0.00
37.35	3.35	3.12	0.00
37.40	3.35	3.12	0.00
37.45	3.35	3.12	0.00
37.50	3.35	3.12	0.00
37.55	3.35	3.12	0.00
37.60	3.35	3.12	0.00
37.65	3.35	3.12	0.00
37.70	3.35	3.12	0.00
37.75	3.35	3.12	0.00
37.80	3.35	3.12	0.00
37.85	3.35	3.12	0.00
37.90	3.35	3.12	0.00
37.95	3.35	3.12	0.00
38.00	3.35	3.12	0.00
38.05	3.35	3.12	0.00
38.10	3.35	3.12	0.00
38.15	3.35	3.12	0.00
38.20	3.35	3.12	0.00
38.25	3.35	3.12	0.00
38.30	3.35	3.12	0.00
38.35	3.35	3.12	0.00
38.40	3.35	3.12	0.00
38.45	3.35	3.12	0.00
38.50	3.35	3.12	0.00
38.55	3.35	3.12	0.00
38.60	3.35	3.12	0.00
38.65	3.35	3.12	0.00
38.70	3.35	3.12	0.00
38.75	3.35	3.12	0.00
38.80	3.35	3.12	0.00
38.85	3.35	3.12	0.00
38.90	3.35	3.12	0.00
38.95	3.35	3.12	0.00
39.00	3.35	3.12	0.00
39.05	3.35	3.12	0.00
39.10	3.35	3.12	0.00
39.15	3.35	3.12	0.00
39.20	3.35	3.12	0.00
39.25	3.35	3.12	0.00
39.30	3.35	3.12	0.00
39.35	3.35	3.12	0.00
39.40	3.35	3.12	0.00
39.45	3.35	3.12	0.00
39.50	3.35	3.12	0.00
39.55	3.35	3.12	0.00
39.60	3.35	3.12	0.00
39.65	3.35	3.12	0.00
39.70	3.35	3.12	0.00
39.75	3.35	3.12	0.00
39.80	3.35	3.12	0.00
39.85	3.35	3.12	0.00
39.90	3.35	3.12	0.00
39.95	3.35	3.12	0.00
40.00	3.35	3.12	0.00

Summary for Subcatchment 51I: PDA-51 (impervious)

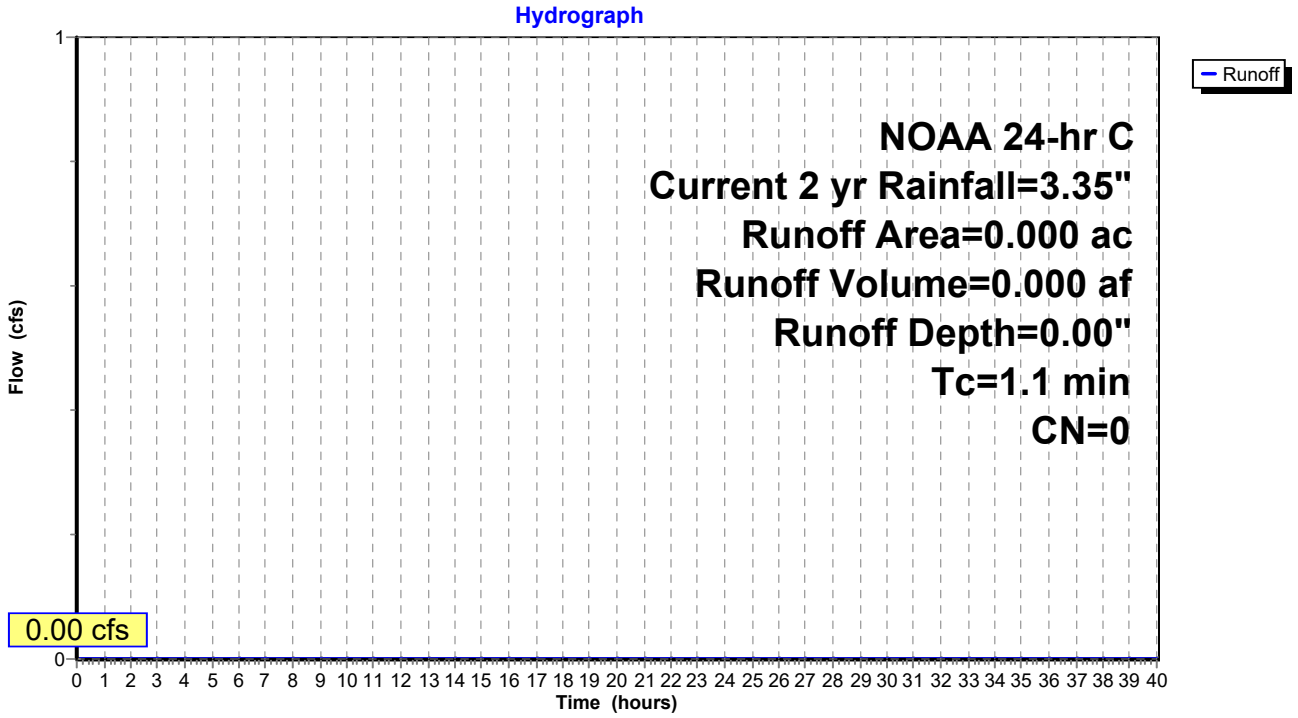
Runoff = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Depth= 0.00"
Routed to Pond B-51 : Basin #51

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

	Area (ac)	CN	Description
*	0.000	98	Roof, HSG C

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.1					**Direct Entry,**

Subcatchment 51I: PDA-51 (impervious)



Hydrograph for Subcatchment 51I: PDA-51 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	**0.00**	**0.00**	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.00	0.00
10.45	0.68	0.00	0.00	13.05	2.56	0.00	0.00
10.50	0.69	0.00	0.00	13.10	2.57	0.00	0.00
10.55	0.70	0.00	0.00	13.15	2.58	0.00	0.00
10.60	0.71	0.00	0.00	13.20	2.60	0.00	0.00
10.65	0.72	0.00	0.00	13.25	2.61	0.00	0.00
10.70	0.73	0.00	0.00	13.30	2.62	0.00	0.00
10.75	0.74	0.00	0.00	13.35	2.63	0.00	0.00
10.80	0.75	0.00	0.00	13.40	2.64	0.00	0.00
10.85	0.77	0.00	0.00	13.45	2.65	0.00	0.00
10.90	0.78	0.00	0.00	13.50	2.66	0.00	0.00
10.95	0.79	0.00	0.00	13.55	2.67	0.00	0.00
11.00	0.80	0.00	0.00	13.60	2.68	0.00	0.00
11.05	0.82	0.00	0.00	13.65	2.68	0.00	0.00
11.10	0.83	0.00	0.00	13.70	2.69	0.00	0.00
11.15	0.85	0.00	0.00	13.75	2.70	0.00	0.00
11.20	0.87	0.00	0.00	13.80	2.71	0.00	0.00
11.25	0.89	0.00	0.00	13.85	2.72	0.00	0.00
11.30	0.91	0.00	0.00	13.90	2.72	0.00	0.00
11.35	0.93	0.00	0.00	13.95	2.73	0.00	0.00
11.40	0.95	0.00	0.00	14.00	2.74	0.00	0.00
11.45	0.97	0.00	0.00	14.05	2.75	0.00	0.00
11.50	0.99	0.00	0.00	14.10	2.75	0.00	0.00
11.55	1.02	0.00	0.00	14.15	2.76	0.00	0.00
11.60	1.06	0.00	0.00	14.20	2.77	0.00	0.00
11.65	1.09	0.00	0.00	14.25	2.77	0.00	0.00
11.70	1.13	0.00	0.00	14.30	2.78	0.00	0.00
11.75	1.18	0.00	0.00	14.35	2.79	0.00	0.00
11.80	1.23	0.00	0.00	14.40	2.79	0.00	0.00
11.85	1.29	0.00	0.00	14.45	2.80	0.00	0.00
11.90	1.36	0.00	0.00	14.50	2.81	0.00	0.00
11.95	1.48	0.00	0.00	14.55	2.81	0.00	0.00
12.00	1.60	0.00	0.00	14.60	2.82	0.00	0.00
12.05	1.79	0.00	0.00	14.65	2.82	0.00	0.00
12.10	1.99	0.00	0.00	14.70	2.83	0.00	0.00
12.15	2.06	0.00	0.00	14.75	2.84	0.00	0.00
12.20	2.12	0.00	0.00	14.80	2.84	0.00	0.00
12.25	2.17	0.00	0.00	14.85	2.85	0.00	0.00
12.30	2.22	0.00	0.00	14.90	2.85	0.00	0.00
12.35	2.26	0.00	0.00	14.95	2.86	0.00	0.00
12.40	2.29	0.00	0.00	15.00	2.86	0.00	0.00
12.45	2.33	0.00	0.00	15.05	2.87	0.00	0.00
12.50	2.36	0.00	0.00	15.10	2.87	0.00	0.00
12.55	2.38	0.00	0.00	15.15	2.87	0.00	0.00
12.60	2.40	0.00	0.00	15.20	2.88	0.00	0.00
12.65	2.42	0.00	0.00	15.25	2.88	0.00	0.00
12.70	2.44	0.00	0.00	15.30	2.89	0.00	0.00
12.75	2.46	0.00	0.00	15.35	2.89	0.00	0.00
12.80	2.48	0.00	0.00	15.40	2.90	0.00	0.00
12.85	2.50	0.00	0.00	15.45	2.90	0.00	0.00
12.90	2.52	0.00	0.00	15.50	2.91	0.00	0.00
12.95	2.53	0.00	0.00	15.55	2.91	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.00	0.00	18.20	3.10	0.00	0.00
15.65	2.92	0.00	0.00	18.25	3.10	0.00	0.00
15.70	2.92	0.00	0.00	18.30	3.10	0.00	0.00
15.75	2.93	0.00	0.00	18.35	3.10	0.00	0.00
15.80	2.93	0.00	0.00	18.40	3.11	0.00	0.00
15.85	2.94	0.00	0.00	18.45	3.11	0.00	0.00
15.90	2.94	0.00	0.00	18.50	3.11	0.00	0.00
15.95	2.94	0.00	0.00	18.55	3.11	0.00	0.00
16.00	2.95	0.00	0.00	18.60	3.12	0.00	0.00
16.05	2.95	0.00	0.00	18.65	3.12	0.00	0.00
16.10	2.96	0.00	0.00	18.70	3.12	0.00	0.00
16.15	2.96	0.00	0.00	18.75	3.12	0.00	0.00
16.20	2.96	0.00	0.00	18.80	3.13	0.00	0.00
16.25	2.97	0.00	0.00	18.85	3.13	0.00	0.00
16.30	2.97	0.00	0.00	18.90	3.13	0.00	0.00
16.35	2.98	0.00	0.00	18.95	3.13	0.00	0.00
16.40	2.98	0.00	0.00	19.00	3.14	0.00	0.00
16.45	2.98	0.00	0.00	19.05	3.14	0.00	0.00
16.50	2.99	0.00	0.00	19.10	3.14	0.00	0.00
16.55	2.99	0.00	0.00	19.15	3.14	0.00	0.00
16.60	3.00	0.00	0.00	19.20	3.15	0.00	0.00
16.65	3.00	0.00	0.00	19.25	3.15	0.00	0.00
16.70	3.00	0.00	0.00	19.30	3.15	0.00	0.00
16.75	3.01	0.00	0.00	19.35	3.15	0.00	0.00
16.80	3.01	0.00	0.00	19.40	3.16	0.00	0.00
16.85	3.01	0.00	0.00	19.45	3.16	0.00	0.00
16.90	3.02	0.00	0.00	19.50	3.16	0.00	0.00
16.95	3.02	0.00	0.00	19.55	3.16	0.00	0.00
17.00	3.02	0.00	0.00	19.60	3.17	0.00	0.00
17.05	3.03	0.00	0.00	19.65	3.17	0.00	0.00
17.10	3.03	0.00	0.00	19.70	3.17	0.00	0.00
17.15	3.03	0.00	0.00	19.75	3.17	0.00	0.00
17.20	3.04	0.00	0.00	19.80	3.18	0.00	0.00
17.25	3.04	0.00	0.00	19.85	3.18	0.00	0.00
17.30	3.04	0.00	0.00	19.90	3.18	0.00	0.00
17.35	3.05	0.00	0.00	19.95	3.18	0.00	0.00
17.40	3.05	0.00	0.00	20.00	3.19	0.00	0.00
17.45	3.05	0.00	0.00	20.05	3.19	0.00	0.00
17.50	3.06	0.00	0.00	20.10	3.19	0.00	0.00
17.55	3.06	0.00	0.00	20.15	3.19	0.00	0.00
17.60	3.06	0.00	0.00	20.20	3.20	0.00	0.00
17.65	3.06	0.00	0.00	20.25	3.20	0.00	0.00
17.70	3.07	0.00	0.00	20.30	3.20	0.00	0.00
17.75	3.07	0.00	0.00	20.35	3.20	0.00	0.00
17.80	3.07	0.00	0.00	20.40	3.20	0.00	0.00
17.85	3.08	0.00	0.00	20.45	3.21	0.00	0.00
17.90	3.08	0.00	0.00	20.50	3.21	0.00	0.00
17.95	3.08	0.00	0.00	20.55	3.21	0.00	0.00
18.00	3.08	0.00	0.00	20.60	3.21	0.00	0.00
18.05	3.09	0.00	0.00	20.65	3.22	0.00	0.00
18.10	3.09	0.00	0.00	20.70	3.22	0.00	0.00
18.15	3.09	0.00	0.00	20.75	3.22	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	0.00	0.00	23.40	3.33	0.00	0.00
20.85	3.23	0.00	0.00	23.45	3.33	0.00	0.00
20.90	3.23	0.00	0.00	23.50	3.33	0.00	0.00
20.95	3.23	0.00	0.00	23.55	3.33	0.00	0.00
21.00	3.23	0.00	0.00	23.60	3.34	0.00	0.00
21.05	3.23	0.00	0.00	23.65	3.34	0.00	0.00
21.10	3.24	0.00	0.00	23.70	3.34	0.00	0.00
21.15	3.24	0.00	0.00	23.75	3.34	0.00	0.00
21.20	3.24	0.00	0.00	23.80	3.34	0.00	0.00
21.25	3.24	0.00	0.00	23.85	3.34	0.00	0.00
21.30	3.24	0.00	0.00	23.90	3.35	0.00	0.00
21.35	3.25	0.00	0.00	23.95	3.35	0.00	0.00
21.40	3.25	0.00	0.00	24.00	**3.35**	0.00	0.00
21.45	3.25	0.00	0.00	24.05	3.35	0.00	0.00
21.50	3.25	0.00	0.00	24.10	3.35	0.00	0.00
21.55	3.26	0.00	0.00	24.15	3.35	0.00	0.00
21.60	3.26	0.00	0.00	24.20	3.35	0.00	0.00
21.65	3.26	0.00	0.00	24.25	3.35	0.00	0.00
21.70	3.26	0.00	0.00	24.30	3.35	0.00	0.00
21.75	3.26	0.00	0.00	24.35	3.35	0.00	0.00
21.80	3.27	0.00	0.00	24.40	3.35	0.00	0.00
21.85	3.27	0.00	0.00	24.45	3.35	0.00	0.00
21.90	3.27	0.00	0.00	24.50	3.35	0.00	0.00
21.95	3.27	0.00	0.00	24.55	3.35	0.00	0.00
22.00	3.27	0.00	0.00	24.60	3.35	0.00	0.00
22.05	3.28	0.00	0.00	24.65	3.35	0.00	0.00
22.10	3.28	0.00	0.00	24.70	3.35	0.00	0.00
22.15	3.28	0.00	0.00	24.75	3.35	0.00	0.00
22.20	3.28	0.00	0.00	24.80	3.35	0.00	0.00
22.25	3.28	0.00	0.00	24.85	3.35	0.00	0.00
22.30	3.29	0.00	0.00	24.90	3.35	0.00	0.00
22.35	3.29	0.00	0.00	24.95	3.35	0.00	0.00
22.40	3.29	0.00	0.00	25.00	3.35	0.00	0.00
22.45	3.29	0.00	0.00	25.05	3.35	0.00	0.00
22.50	3.29	0.00	0.00	25.10	3.35	0.00	0.00
22.55	3.30	0.00	0.00	25.15	3.35	0.00	0.00
22.60	3.30	0.00	0.00	25.20	3.35	0.00	0.00
22.65	3.30	0.00	0.00	25.25	3.35	0.00	0.00
22.70	3.30	0.00	0.00	25.30	3.35	0.00	0.00
22.75	3.30	0.00	0.00	25.35	3.35	0.00	0.00
22.80	3.31	0.00	0.00	25.40	3.35	0.00	0.00
22.85	3.31	0.00	0.00	25.45	3.35	0.00	0.00
22.90	3.31	0.00	0.00	25.50	3.35	0.00	0.00
22.95	3.31	0.00	0.00	25.55	3.35	0.00	0.00
23.00	3.31	0.00	0.00	25.60	3.35	0.00	0.00
23.05	3.32	0.00	0.00	25.65	3.35	0.00	0.00
23.10	3.32	0.00	0.00	25.70	3.35	0.00	0.00
23.15	3.32	0.00	0.00	25.75	3.35	0.00	0.00
23.20	3.32	0.00	0.00	25.80	3.35	0.00	0.00
23.25	3.32	0.00	0.00	25.85	3.35	0.00	0.00
23.30	3.32	0.00	0.00	25.90	3.35	0.00	0.00
23.35	3.33	0.00	0.00	25.95	3.35	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	0.00	0.00	28.60	3.35	0.00	0.00
26.05	3.35	0.00	0.00	28.65	3.35	0.00	0.00
26.10	3.35	0.00	0.00	28.70	3.35	0.00	0.00
26.15	3.35	0.00	0.00	28.75	3.35	0.00	0.00
26.20	3.35	0.00	0.00	28.80	3.35	0.00	0.00
26.25	3.35	0.00	0.00	28.85	3.35	0.00	0.00
26.30	3.35	0.00	0.00	28.90	3.35	0.00	0.00
26.35	3.35	0.00	0.00	28.95	3.35	0.00	0.00
26.40	3.35	0.00	0.00	29.00	3.35	0.00	0.00
26.45	3.35	0.00	0.00	29.05	3.35	0.00	0.00
26.50	3.35	0.00	0.00	29.10	3.35	0.00	0.00
26.55	3.35	0.00	0.00	29.15	3.35	0.00	0.00
26.60	3.35	0.00	0.00	29.20	3.35	0.00	0.00
26.65	3.35	0.00	0.00	29.25	3.35	0.00	0.00
26.70	3.35	0.00	0.00	29.30	3.35	0.00	0.00
26.75	3.35	0.00	0.00	29.35	3.35	0.00	0.00
26.80	3.35	0.00	0.00	29.40	3.35	0.00	0.00
26.85	3.35	0.00	0.00	29.45	3.35	0.00	0.00
26.90	3.35	0.00	0.00	29.50	3.35	0.00	0.00
26.95	3.35	0.00	0.00	29.55	3.35	0.00	0.00
27.00	3.35	0.00	0.00	29.60	3.35	0.00	0.00
27.05	3.35	0.00	0.00	29.65	3.35	0.00	0.00
27.10	3.35	0.00	0.00	29.70	3.35	0.00	0.00
27.15	3.35	0.00	0.00	29.75	3.35	0.00	0.00
27.20	3.35	0.00	0.00	29.80	3.35	0.00	0.00
27.25	3.35	0.00	0.00	29.85	3.35	0.00	0.00
27.30	3.35	0.00	0.00	29.90	3.35	0.00	0.00
27.35	3.35	0.00	0.00	29.95	3.35	0.00	0.00
27.40	3.35	0.00	0.00	30.00	3.35	0.00	0.00
27.45	3.35	0.00	0.00	30.05	3.35	0.00	0.00
27.50	3.35	0.00	0.00	30.10	3.35	0.00	0.00
27.55	3.35	0.00	0.00	30.15	3.35	0.00	0.00
27.60	3.35	0.00	0.00	30.20	3.35	0.00	0.00
27.65	3.35	0.00	0.00	30.25	3.35	0.00	0.00
27.70	3.35	0.00	0.00	30.30	3.35	0.00	0.00
27.75	3.35	0.00	0.00	30.35	3.35	0.00	0.00
27.80	3.35	0.00	0.00	30.40	3.35	0.00	0.00
27.85	3.35	0.00	0.00	30.45	3.35	0.00	0.00
27.90	3.35	0.00	0.00	30.50	3.35	0.00	0.00
27.95	3.35	0.00	0.00	30.55	3.35	0.00	0.00
28.00	3.35	0.00	0.00	30.60	3.35	0.00	0.00
28.05	3.35	0.00	0.00	30.65	3.35	0.00	0.00
28.10	3.35	0.00	0.00	30.70	3.35	0.00	0.00
28.15	3.35	0.00	0.00	30.75	3.35	0.00	0.00
28.20	3.35	0.00	0.00	30.80	3.35	0.00	0.00
28.25	3.35	0.00	0.00	30.85	3.35	0.00	0.00
28.30	3.35	0.00	0.00	30.90	3.35	0.00	0.00
28.35	3.35	0.00	0.00	30.95	3.35	0.00	0.00
28.40	3.35	0.00	0.00	31.00	3.35	0.00	0.00
28.45	3.35	0.00	0.00	31.05	3.35	0.00	0.00
28.50	3.35	0.00	0.00	31.10	3.35	0.00	0.00
28.55	3.35	0.00	0.00	31.15	3.35	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	0.00	0.00	33.80	3.35	0.00	0.00
31.25	3.35	0.00	0.00	33.85	3.35	0.00	0.00
31.30	3.35	0.00	0.00	33.90	3.35	0.00	0.00
31.35	3.35	0.00	0.00	33.95	3.35	0.00	0.00
31.40	3.35	0.00	0.00	34.00	3.35	0.00	0.00
31.45	3.35	0.00	0.00	34.05	3.35	0.00	0.00
31.50	3.35	0.00	0.00	34.10	3.35	0.00	0.00
31.55	3.35	0.00	0.00	34.15	3.35	0.00	0.00
31.60	3.35	0.00	0.00	34.20	3.35	0.00	0.00
31.65	3.35	0.00	0.00	34.25	3.35	0.00	0.00
31.70	3.35	0.00	0.00	34.30	3.35	0.00	0.00
31.75	3.35	0.00	0.00	34.35	3.35	0.00	0.00
31.80	3.35	0.00	0.00	34.40	3.35	0.00	0.00
31.85	3.35	0.00	0.00	34.45	3.35	0.00	0.00
31.90	3.35	0.00	0.00	34.50	3.35	0.00	0.00
31.95	3.35	0.00	0.00	34.55	3.35	0.00	0.00
32.00	3.35	0.00	0.00	34.60	3.35	0.00	0.00
32.05	3.35	0.00	0.00	34.65	3.35	0.00	0.00
32.10	3.35	0.00	0.00	34.70	3.35	0.00	0.00
32.15	3.35	0.00	0.00	34.75	3.35	0.00	0.00
32.20	3.35	0.00	0.00	34.80	3.35	0.00	0.00
32.25	3.35	0.00	0.00	34.85	3.35	0.00	0.00
32.30	3.35	0.00	0.00	34.90	3.35	0.00	0.00
32.35	3.35	0.00	0.00	34.95	3.35	0.00	0.00
32.40	3.35	0.00	0.00	35.00	3.35	0.00	0.00
32.45	3.35	0.00	0.00	35.05	3.35	0.00	0.00
32.50	3.35	0.00	0.00	35.10	3.35	0.00	0.00
32.55	3.35	0.00	0.00	35.15	3.35	0.00	0.00
32.60	3.35	0.00	0.00	35.20	3.35	0.00	0.00
32.65	3.35	0.00	0.00	35.25	3.35	0.00	0.00
32.70	3.35	0.00	0.00	35.30	3.35	0.00	0.00
32.75	3.35	0.00	0.00	35.35	3.35	0.00	0.00
32.80	3.35	0.00	0.00	35.40	3.35	0.00	0.00
32.85	3.35	0.00	0.00	35.45	3.35	0.00	0.00
32.90	3.35	0.00	0.00	35.50	3.35	0.00	0.00
32.95	3.35	0.00	0.00	35.55	3.35	0.00	0.00
33.00	3.35	0.00	0.00	35.60	3.35	0.00	0.00
33.05	3.35	0.00	0.00	35.65	3.35	0.00	0.00
33.10	3.35	0.00	0.00	35.70	3.35	0.00	0.00
33.15	3.35	0.00	0.00	35.75	3.35	0.00	0.00
33.20	3.35	0.00	0.00	35.80	3.35	0.00	0.00
33.25	3.35	0.00	0.00	35.85	3.35	0.00	0.00
33.30	3.35	0.00	0.00	35.90	3.35	0.00	0.00
33.35	3.35	0.00	0.00	35.95	3.35	0.00	0.00
33.40	3.35	0.00	0.00	36.00	3.35	0.00	0.00
33.45	3.35	0.00	0.00	36.05	3.35	0.00	0.00
33.50	3.35	0.00	0.00	36.10	3.35	0.00	0.00
33.55	3.35	0.00	0.00	36.15	3.35	0.00	0.00
33.60	3.35	0.00	0.00	36.20	3.35	0.00	0.00
33.65	3.35	0.00	0.00	36.25	3.35	0.00	0.00
33.70	3.35	0.00	0.00	36.30	3.35	0.00	0.00
33.75	3.35	0.00	0.00	36.35	3.35	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	0.00	0.00
36.45	3.35	0.00	0.00
36.50	3.35	0.00	0.00
36.55	3.35	0.00	0.00
36.60	3.35	0.00	0.00
36.65	3.35	0.00	0.00
36.70	3.35	0.00	0.00
36.75	3.35	0.00	0.00
36.80	3.35	0.00	0.00
36.85	3.35	0.00	0.00
36.90	3.35	0.00	0.00
36.95	3.35	0.00	0.00
37.00	3.35	0.00	0.00
37.05	3.35	0.00	0.00
37.10	3.35	0.00	0.00
37.15	3.35	0.00	0.00
37.20	3.35	0.00	0.00
37.25	3.35	0.00	0.00
37.30	3.35	0.00	0.00
37.35	3.35	0.00	0.00
37.40	3.35	0.00	0.00
37.45	3.35	0.00	0.00
37.50	3.35	0.00	0.00
37.55	3.35	0.00	0.00
37.60	3.35	0.00	0.00
37.65	3.35	0.00	0.00
37.70	3.35	0.00	0.00
37.75	3.35	0.00	0.00
37.80	3.35	0.00	0.00
37.85	3.35	0.00	0.00
37.90	3.35	0.00	0.00
37.95	3.35	0.00	0.00
38.00	3.35	0.00	0.00
38.05	3.35	0.00	0.00
38.10	3.35	0.00	0.00
38.15	3.35	0.00	0.00
38.20	3.35	0.00	0.00
38.25	3.35	0.00	0.00
38.30	3.35	0.00	0.00
38.35	3.35	0.00	0.00
38.40	3.35	0.00	0.00
38.45	3.35	0.00	0.00
38.50	3.35	0.00	0.00
38.55	3.35	0.00	0.00
38.60	3.35	0.00	0.00
38.65	3.35	0.00	0.00
38.70	3.35	0.00	0.00
38.75	3.35	0.00	0.00
38.80	3.35	0.00	0.00
38.85	3.35	0.00	0.00
38.90	3.35	0.00	0.00
38.95	3.35	0.00	0.00
39.00	3.35	0.00	0.00
39.05	3.35	0.00	0.00
39.10	3.35	0.00	0.00
39.15	3.35	0.00	0.00
39.20	3.35	0.00	0.00
39.25	3.35	0.00	0.00
39.30	3.35	0.00	0.00
39.35	3.35	0.00	0.00
39.40	3.35	0.00	0.00
39.45	3.35	0.00	0.00
39.50	3.35	0.00	0.00
39.55	3.35	0.00	0.00
39.60	3.35	0.00	0.00
39.65	3.35	0.00	0.00
39.70	3.35	0.00	0.00
39.75	3.35	0.00	0.00
39.80	3.35	0.00	0.00
39.85	3.35	0.00	0.00
39.90	3.35	0.00	0.00
39.95	3.35	0.00	0.00
40.00	3.35	0.00	0.00

Summary for Subcatchment 51P: PDA-51 (pervious)

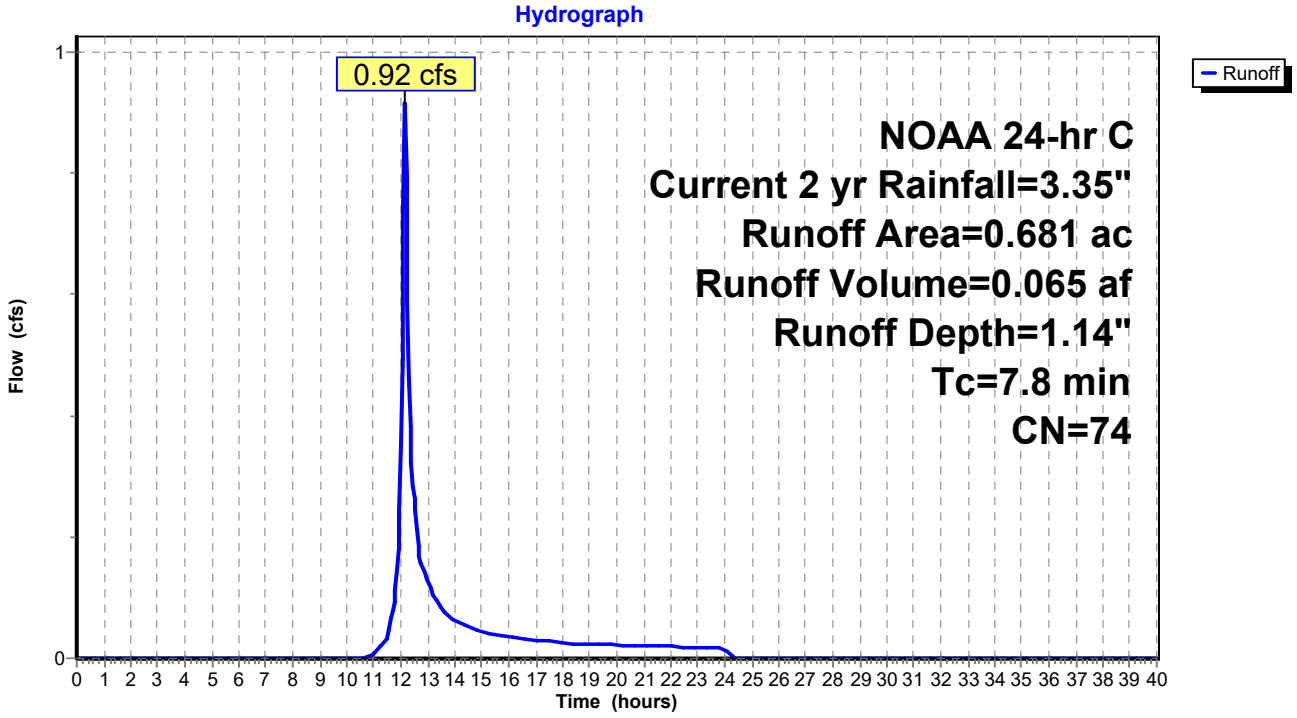
Runoff = 0.92 cfs @ 12.16 hrs, Volume= 0.065 af, Depth= 1.14"
Routed to Pond B-51 : Basin #51

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
0.681	74	>75% Grass cover, Good, HSG C
0.681		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
7.8					**Direct Entry,**

Subcatchment 51P: PDA-51 (pervious)



Hydrograph for Subcatchment 51P: PDA-51 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.63	0.13
10.45	0.68	0.00	0.00	13.05	2.56	0.64	0.12
10.50	0.69	0.00	0.00	13.10	2.57	0.65	0.11
10.55	0.70	0.00	0.00	13.15	2.58	0.66	0.11
10.60	0.71	0.00	0.00	13.20	2.60	0.66	0.10
10.65	0.72	0.00	0.00	13.25	2.61	0.67	0.10
10.70	0.73	0.00	0.00	13.30	2.62	0.68	0.10
10.75	0.74	0.00	0.00	13.35	2.63	0.68	0.09
10.80	0.75	0.00	0.00	13.40	2.64	0.69	0.09
10.85	0.77	0.00	0.00	13.45	2.65	0.69	0.08
10.90	0.78	0.00	0.00	13.50	2.66	0.70	0.08
10.95	0.79	0.00	0.01	13.55	2.67	0.70	0.08
11.00	0.80	0.00	0.01	13.60	2.68	0.71	0.07
11.05	0.82	0.00	0.01	13.65	2.68	0.71	0.07
11.10	0.83	0.00	0.01	13.70	2.69	0.72	0.07
11.15	0.85	0.01	0.01	13.75	2.70	0.72	0.07
11.20	0.87	0.01	0.01	13.80	2.71	0.73	0.07
11.25	0.89	0.01	0.02	13.85	2.72	0.73	0.07
11.30	0.91	0.01	0.02	13.90	2.72	0.74	0.06
11.35	0.93	0.01	0.02	13.95	2.73	0.74	0.06
11.40	0.95	0.02	0.03	14.00	2.74	0.75	0.06
11.45	0.97	0.02	0.03	14.05	2.75	0.75	0.06
11.50	0.99	0.02	0.04	14.10	2.75	0.76	0.06
11.55	1.02	0.03	0.04	14.15	2.76	0.76	0.06
11.60	1.06	0.03	0.05	14.20	2.77	0.76	0.06
11.65	1.09	0.04	0.07	14.25	2.77	0.77	0.06
11.70	1.13	0.05	0.08	14.30	2.78	0.77	0.06
11.75	1.18	0.06	0.09	14.35	2.79	0.78	0.06
11.80	1.23	0.07	0.11	14.40	2.79	0.78	0.06
11.85	1.29	0.09	0.14	14.45	2.80	0.78	0.05
11.90	1.36	0.10	0.18	14.50	2.81	0.79	0.05
11.95	1.48	0.14	0.24	14.55	2.81	0.79	0.05
12.00	1.60	0.18	0.35	14.60	2.82	0.80	0.05
12.05	1.79	0.26	0.49	14.65	2.82	0.80	0.05
12.10	1.99	0.34	0.73	14.70	2.83	0.80	0.05
12.15	2.06	0.38	**0.91**	14.75	2.84	0.81	0.05
12.20	2.12	0.41	0.79	14.80	2.84	0.81	0.05
12.25	2.17	0.43	0.59	14.85	2.85	0.81	0.05
12.30	2.22	0.46	0.46	14.90	2.85	0.82	0.05
12.35	2.26	0.48	0.38	14.95	2.86	0.82	0.04
12.40	2.29	0.50	0.32	15.00	2.86	0.82	0.04
12.45	2.33	0.51	0.28	15.05	2.87	0.82	0.04
12.50	2.36	0.53	0.26	15.10	2.87	0.83	0.04
12.55	2.38	0.54	0.25	15.15	2.87	0.83	0.04
12.60	2.40	0.55	0.21	15.20	2.88	0.83	0.04
12.65	2.42	0.57	0.18	15.25	2.88	0.84	0.04
12.70	2.44	0.58	0.17	15.30	2.89	0.84	0.04
12.75	2.46	0.59	0.16	15.35	2.89	0.84	0.04
12.80	2.48	0.60	0.15	15.40	2.90	0.84	0.04
12.85	2.50	0.61	0.15	15.45	2.90	0.85	0.04
12.90	2.52	0.62	0.14	15.50	2.91	0.85	0.04
12.95	2.53	0.63	0.13	15.55	2.91	0.85	0.04

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.85	0.04	18.20	3.10	0.97	0.02
15.65	2.92	0.86	0.04	18.25	3.10	0.97	0.02
15.70	2.92	0.86	0.04	18.30	3.10	0.97	0.02
15.75	2.93	0.86	0.04	18.35	3.10	0.97	0.02
15.80	2.93	0.87	0.04	18.40	3.11	0.98	0.02
15.85	2.94	0.87	0.04	18.45	3.11	0.98	0.02
15.90	2.94	0.87	0.04	18.50	3.11	0.98	0.02
15.95	2.94	0.87	0.04	18.55	3.11	0.98	0.02
16.00	2.95	0.88	0.04	18.60	3.12	0.98	0.02
16.05	2.95	0.88	0.04	18.65	3.12	0.98	0.02
16.10	2.96	0.88	0.04	18.70	3.12	0.99	0.02
16.15	2.96	0.88	0.03	18.75	3.12	0.99	0.02
16.20	2.96	0.89	0.03	18.80	3.13	0.99	0.02
16.25	2.97	0.89	0.03	18.85	3.13	0.99	0.02
16.30	2.97	0.89	0.03	18.90	3.13	0.99	0.02
16.35	2.98	0.89	0.03	18.95	3.13	0.99	0.02
16.40	2.98	0.90	0.03	19.00	3.14	1.00	0.02
16.45	2.98	0.90	0.03	19.05	3.14	1.00	0.02
16.50	2.99	0.90	0.03	19.10	3.14	1.00	0.02
16.55	2.99	0.90	0.03	19.15	3.14	1.00	0.02
16.60	3.00	0.91	0.03	19.20	3.15	1.00	0.02
16.65	3.00	0.91	0.03	19.25	3.15	1.00	0.02
16.70	3.00	0.91	0.03	19.30	3.15	1.01	0.02
16.75	3.01	0.91	0.03	19.35	3.15	1.01	0.02
16.80	3.01	0.91	0.03	19.40	3.16	1.01	0.02
16.85	3.01	0.92	0.03	19.45	3.16	1.01	0.02
16.90	3.02	0.92	0.03	19.50	3.16	1.01	0.02
16.95	3.02	0.92	0.03	19.55	3.16	1.01	0.02
17.00	3.02	0.92	0.03	19.60	3.17	1.02	0.02
17.05	3.03	0.93	0.03	19.65	3.17	1.02	0.02
17.10	3.03	0.93	0.03	19.70	3.17	1.02	0.02
17.15	3.03	0.93	0.03	19.75	3.17	1.02	0.02
17.20	3.04	0.93	0.03	19.80	3.18	1.02	0.02
17.25	3.04	0.93	0.03	19.85	3.18	1.02	0.02
17.30	3.04	0.94	0.03	19.90	3.18	1.03	0.02
17.35	3.05	0.94	0.03	19.95	3.18	1.03	0.02
17.40	3.05	0.94	0.03	20.00	3.19	1.03	0.02
17.45	3.05	0.94	0.03	20.05	3.19	1.03	0.02
17.50	3.06	0.94	0.03	20.10	3.19	1.03	0.02
17.55	3.06	0.95	0.03	20.15	3.19	1.03	0.02
17.60	3.06	0.95	0.03	20.20	3.20	1.03	0.02
17.65	3.06	0.95	0.03	20.25	3.20	1.04	0.02
17.70	3.07	0.95	0.03	20.30	3.20	1.04	0.02
17.75	3.07	0.95	0.03	20.35	3.20	1.04	0.02
17.80	3.07	0.96	0.03	20.40	3.20	1.04	0.02
17.85	3.08	0.96	0.03	20.45	3.21	1.04	0.02
17.90	3.08	0.96	0.03	20.50	3.21	1.04	0.02
17.95	3.08	0.96	0.03	20.55	3.21	1.05	0.02
18.00	3.08	0.96	0.02	20.60	3.21	1.05	0.02
18.05	3.09	0.96	0.02	20.65	3.22	1.05	0.02
18.10	3.09	0.97	0.02	20.70	3.22	1.05	0.02
18.15	3.09	0.97	0.02	20.75	3.22	1.05	0.02

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	1.05	0.02	23.40	3.33	1.12	0.02
20.85	3.23	1.05	0.02	23.45	3.33	1.12	0.02
20.90	3.23	1.06	0.02	23.50	3.33	1.13	0.02
20.95	3.23	1.06	0.02	23.55	3.33	1.13	0.02
21.00	3.23	1.06	0.02	23.60	3.34	1.13	0.02
21.05	3.23	1.06	0.02	23.65	3.34	1.13	0.02
21.10	3.24	1.06	0.02	23.70	3.34	1.13	0.02
21.15	3.24	1.06	0.02	23.75	3.34	1.13	0.02
21.20	3.24	1.06	0.02	23.80	3.34	1.13	0.02
21.25	3.24	1.07	0.02	23.85	3.34	1.13	0.02
21.30	3.24	1.07	0.02	23.90	3.35	1.13	0.02
21.35	3.25	1.07	0.02	23.95	3.35	1.14	0.02
21.40	3.25	1.07	0.02	24.00	**3.35**	**1.14**	0.02
21.45	3.25	1.07	0.02	24.05	3.35	1.14	0.02
21.50	3.25	1.07	0.02	24.10	3.35	1.14	0.01
21.55	3.26	1.07	0.02	24.15	3.35	1.14	0.00
21.60	3.26	1.08	0.02	24.20	3.35	1.14	0.00
21.65	3.26	1.08	0.02	24.25	3.35	1.14	0.00
21.70	3.26	1.08	0.02	24.30	3.35	1.14	0.00
21.75	3.26	1.08	0.02	24.35	3.35	1.14	0.00
21.80	3.27	1.08	0.02	24.40	3.35	1.14	0.00
21.85	3.27	1.08	0.02	24.45	3.35	1.14	0.00
21.90	3.27	1.08	0.02	24.50	3.35	1.14	0.00
21.95	3.27	1.09	0.02	24.55	3.35	1.14	0.00
22.00	3.27	1.09	0.02	24.60	3.35	1.14	0.00
22.05	3.28	1.09	0.02	24.65	3.35	1.14	0.00
22.10	3.28	1.09	0.02	24.70	3.35	1.14	0.00
22.15	3.28	1.09	0.02	24.75	3.35	1.14	0.00
22.20	3.28	1.09	0.02	24.80	3.35	1.14	0.00
22.25	3.28	1.09	0.02	24.85	3.35	1.14	0.00
22.30	3.29	1.09	0.02	24.90	3.35	1.14	0.00
22.35	3.29	1.10	0.02	24.95	3.35	1.14	0.00
22.40	3.29	1.10	0.02	25.00	3.35	1.14	0.00
22.45	3.29	1.10	0.02	25.05	3.35	1.14	0.00
22.50	3.29	1.10	0.02	25.10	3.35	1.14	0.00
22.55	3.30	1.10	0.02	25.15	3.35	1.14	0.00
22.60	3.30	1.10	0.02	25.20	3.35	1.14	0.00
22.65	3.30	1.10	0.02	25.25	3.35	1.14	0.00
22.70	3.30	1.11	0.02	25.30	3.35	1.14	0.00
22.75	3.30	1.11	0.02	25.35	3.35	1.14	0.00
22.80	3.31	1.11	0.02	25.40	3.35	1.14	0.00
22.85	3.31	1.11	0.02	25.45	3.35	1.14	0.00
22.90	3.31	1.11	0.02	25.50	3.35	1.14	0.00
22.95	3.31	1.11	0.02	25.55	3.35	1.14	0.00
23.00	3.31	1.11	0.02	25.60	3.35	1.14	0.00
23.05	3.32	1.11	0.02	25.65	3.35	1.14	0.00
23.10	3.32	1.12	0.02	25.70	3.35	1.14	0.00
23.15	3.32	1.12	0.02	25.75	3.35	1.14	0.00
23.20	3.32	1.12	0.02	25.80	3.35	1.14	0.00
23.25	3.32	1.12	0.02	25.85	3.35	1.14	0.00
23.30	3.32	1.12	0.02	25.90	3.35	1.14	0.00
23.35	3.33	1.12	0.02	25.95	3.35	1.14	0.00

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	1.14	0.00	28.60	3.35	1.14	0.00
26.05	3.35	1.14	0.00	28.65	3.35	1.14	0.00
26.10	3.35	1.14	0.00	28.70	3.35	1.14	0.00
26.15	3.35	1.14	0.00	28.75	3.35	1.14	0.00
26.20	3.35	1.14	0.00	28.80	3.35	1.14	0.00
26.25	3.35	1.14	0.00	28.85	3.35	1.14	0.00
26.30	3.35	1.14	0.00	28.90	3.35	1.14	0.00
26.35	3.35	1.14	0.00	28.95	3.35	1.14	0.00
26.40	3.35	1.14	0.00	29.00	3.35	1.14	0.00
26.45	3.35	1.14	0.00	29.05	3.35	1.14	0.00
26.50	3.35	1.14	0.00	29.10	3.35	1.14	0.00
26.55	3.35	1.14	0.00	29.15	3.35	1.14	0.00
26.60	3.35	1.14	0.00	29.20	3.35	1.14	0.00
26.65	3.35	1.14	0.00	29.25	3.35	1.14	0.00
26.70	3.35	1.14	0.00	29.30	3.35	1.14	0.00
26.75	3.35	1.14	0.00	29.35	3.35	1.14	0.00
26.80	3.35	1.14	0.00	29.40	3.35	1.14	0.00
26.85	3.35	1.14	0.00	29.45	3.35	1.14	0.00
26.90	3.35	1.14	0.00	29.50	3.35	1.14	0.00
26.95	3.35	1.14	0.00	29.55	3.35	1.14	0.00
27.00	3.35	1.14	0.00	29.60	3.35	1.14	0.00
27.05	3.35	1.14	0.00	29.65	3.35	1.14	0.00
27.10	3.35	1.14	0.00	29.70	3.35	1.14	0.00
27.15	3.35	1.14	0.00	29.75	3.35	1.14	0.00
27.20	3.35	1.14	0.00	29.80	3.35	1.14	0.00
27.25	3.35	1.14	0.00	29.85	3.35	1.14	0.00
27.30	3.35	1.14	0.00	29.90	3.35	1.14	0.00
27.35	3.35	1.14	0.00	29.95	3.35	1.14	0.00
27.40	3.35	1.14	0.00	30.00	3.35	1.14	0.00
27.45	3.35	1.14	0.00	30.05	3.35	1.14	0.00
27.50	3.35	1.14	0.00	30.10	3.35	1.14	0.00
27.55	3.35	1.14	0.00	30.15	3.35	1.14	0.00
27.60	3.35	1.14	0.00	30.20	3.35	1.14	0.00
27.65	3.35	1.14	0.00	30.25	3.35	1.14	0.00
27.70	3.35	1.14	0.00	30.30	3.35	1.14	0.00
27.75	3.35	1.14	0.00	30.35	3.35	1.14	0.00
27.80	3.35	1.14	0.00	30.40	3.35	1.14	0.00
27.85	3.35	1.14	0.00	30.45	3.35	1.14	0.00
27.90	3.35	1.14	0.00	30.50	3.35	1.14	0.00
27.95	3.35	1.14	0.00	30.55	3.35	1.14	0.00
28.00	3.35	1.14	0.00	30.60	3.35	1.14	0.00
28.05	3.35	1.14	0.00	30.65	3.35	1.14	0.00
28.10	3.35	1.14	0.00	30.70	3.35	1.14	0.00
28.15	3.35	1.14	0.00	30.75	3.35	1.14	0.00
28.20	3.35	1.14	0.00	30.80	3.35	1.14	0.00
28.25	3.35	1.14	0.00	30.85	3.35	1.14	0.00
28.30	3.35	1.14	0.00	30.90	3.35	1.14	0.00
28.35	3.35	1.14	0.00	30.95	3.35	1.14	0.00
28.40	3.35	1.14	0.00	31.00	3.35	1.14	0.00
28.45	3.35	1.14	0.00	31.05	3.35	1.14	0.00
28.50	3.35	1.14	0.00	31.10	3.35	1.14	0.00
28.55	3.35	1.14	0.00	31.15	3.35	1.14	0.00

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	1.14	0.00	33.80	3.35	1.14	0.00
31.25	3.35	1.14	0.00	33.85	3.35	1.14	0.00
31.30	3.35	1.14	0.00	33.90	3.35	1.14	0.00
31.35	3.35	1.14	0.00	33.95	3.35	1.14	0.00
31.40	3.35	1.14	0.00	34.00	3.35	1.14	0.00
31.45	3.35	1.14	0.00	34.05	3.35	1.14	0.00
31.50	3.35	1.14	0.00	34.10	3.35	1.14	0.00
31.55	3.35	1.14	0.00	34.15	3.35	1.14	0.00
31.60	3.35	1.14	0.00	34.20	3.35	1.14	0.00
31.65	3.35	1.14	0.00	34.25	3.35	1.14	0.00
31.70	3.35	1.14	0.00	34.30	3.35	1.14	0.00
31.75	3.35	1.14	0.00	34.35	3.35	1.14	0.00
31.80	3.35	1.14	0.00	34.40	3.35	1.14	0.00
31.85	3.35	1.14	0.00	34.45	3.35	1.14	0.00
31.90	3.35	1.14	0.00	34.50	3.35	1.14	0.00
31.95	3.35	1.14	0.00	34.55	3.35	1.14	0.00
32.00	3.35	1.14	0.00	34.60	3.35	1.14	0.00
32.05	3.35	1.14	0.00	34.65	3.35	1.14	0.00
32.10	3.35	1.14	0.00	34.70	3.35	1.14	0.00
32.15	3.35	1.14	0.00	34.75	3.35	1.14	0.00
32.20	3.35	1.14	0.00	34.80	3.35	1.14	0.00
32.25	3.35	1.14	0.00	34.85	3.35	1.14	0.00
32.30	3.35	1.14	0.00	34.90	3.35	1.14	0.00
32.35	3.35	1.14	0.00	34.95	3.35	1.14	0.00
32.40	3.35	1.14	0.00	35.00	3.35	1.14	0.00
32.45	3.35	1.14	0.00	35.05	3.35	1.14	0.00
32.50	3.35	1.14	0.00	35.10	3.35	1.14	0.00
32.55	3.35	1.14	0.00	35.15	3.35	1.14	0.00
32.60	3.35	1.14	0.00	35.20	3.35	1.14	0.00
32.65	3.35	1.14	0.00	35.25	3.35	1.14	0.00
32.70	3.35	1.14	0.00	35.30	3.35	1.14	0.00
32.75	3.35	1.14	0.00	35.35	3.35	1.14	0.00
32.80	3.35	1.14	0.00	35.40	3.35	1.14	0.00
32.85	3.35	1.14	0.00	35.45	3.35	1.14	0.00
32.90	3.35	1.14	0.00	35.50	3.35	1.14	0.00
32.95	3.35	1.14	0.00	35.55	3.35	1.14	0.00
33.00	3.35	1.14	0.00	35.60	3.35	1.14	0.00
33.05	3.35	1.14	0.00	35.65	3.35	1.14	0.00
33.10	3.35	1.14	0.00	35.70	3.35	1.14	0.00
33.15	3.35	1.14	0.00	35.75	3.35	1.14	0.00
33.20	3.35	1.14	0.00	35.80	3.35	1.14	0.00
33.25	3.35	1.14	0.00	35.85	3.35	1.14	0.00
33.30	3.35	1.14	0.00	35.90	3.35	1.14	0.00
33.35	3.35	1.14	0.00	35.95	3.35	1.14	0.00
33.40	3.35	1.14	0.00	36.00	3.35	1.14	0.00
33.45	3.35	1.14	0.00	36.05	3.35	1.14	0.00
33.50	3.35	1.14	0.00	36.10	3.35	1.14	0.00
33.55	3.35	1.14	0.00	36.15	3.35	1.14	0.00
33.60	3.35	1.14	0.00	36.20	3.35	1.14	0.00
33.65	3.35	1.14	0.00	36.25	3.35	1.14	0.00
33.70	3.35	1.14	0.00	36.30	3.35	1.14	0.00
33.75	3.35	1.14	0.00	36.35	3.35	1.14	0.00

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	1.14	0.00
36.45	3.35	1.14	0.00
36.50	3.35	1.14	0.00
36.55	3.35	1.14	0.00
36.60	3.35	1.14	0.00
36.65	3.35	1.14	0.00
36.70	3.35	1.14	0.00
36.75	3.35	1.14	0.00
36.80	3.35	1.14	0.00
36.85	3.35	1.14	0.00
36.90	3.35	1.14	0.00
36.95	3.35	1.14	0.00
37.00	3.35	1.14	0.00
37.05	3.35	1.14	0.00
37.10	3.35	1.14	0.00
37.15	3.35	1.14	0.00
37.20	3.35	1.14	0.00
37.25	3.35	1.14	0.00
37.30	3.35	1.14	0.00
37.35	3.35	1.14	0.00
37.40	3.35	1.14	0.00
37.45	3.35	1.14	0.00
37.50	3.35	1.14	0.00
37.55	3.35	1.14	0.00
37.60	3.35	1.14	0.00
37.65	3.35	1.14	0.00
37.70	3.35	1.14	0.00
37.75	3.35	1.14	0.00
37.80	3.35	1.14	0.00
37.85	3.35	1.14	0.00
37.90	3.35	1.14	0.00
37.95	3.35	1.14	0.00
38.00	3.35	1.14	0.00
38.05	3.35	1.14	0.00
38.10	3.35	1.14	0.00
38.15	3.35	1.14	0.00
38.20	3.35	1.14	0.00
38.25	3.35	1.14	0.00
38.30	3.35	1.14	0.00
38.35	3.35	1.14	0.00
38.40	3.35	1.14	0.00
38.45	3.35	1.14	0.00
38.50	3.35	1.14	0.00
38.55	3.35	1.14	0.00
38.60	3.35	1.14	0.00
38.65	3.35	1.14	0.00
38.70	3.35	1.14	0.00
38.75	3.35	1.14	0.00
38.80	3.35	1.14	0.00
38.85	3.35	1.14	0.00
38.90	3.35	1.14	0.00
38.95	3.35	1.14	0.00
39.00	3.35	1.14	0.00
39.05	3.35	1.14	0.00
39.10	3.35	1.14	0.00
39.15	3.35	1.14	0.00
39.20	3.35	1.14	0.00
39.25	3.35	1.14	0.00
39.30	3.35	1.14	0.00
39.35	3.35	1.14	0.00
39.40	3.35	1.14	0.00
39.45	3.35	1.14	0.00
39.50	3.35	1.14	0.00
39.55	3.35	1.14	0.00
39.60	3.35	1.14	0.00
39.65	3.35	1.14	0.00
39.70	3.35	1.14	0.00
39.75	3.35	1.14	0.00
39.80	3.35	1.14	0.00
39.85	3.35	1.14	0.00
39.90	3.35	1.14	0.00
39.95	3.35	1.14	0.00
40.00	3.35	1.14	0.00

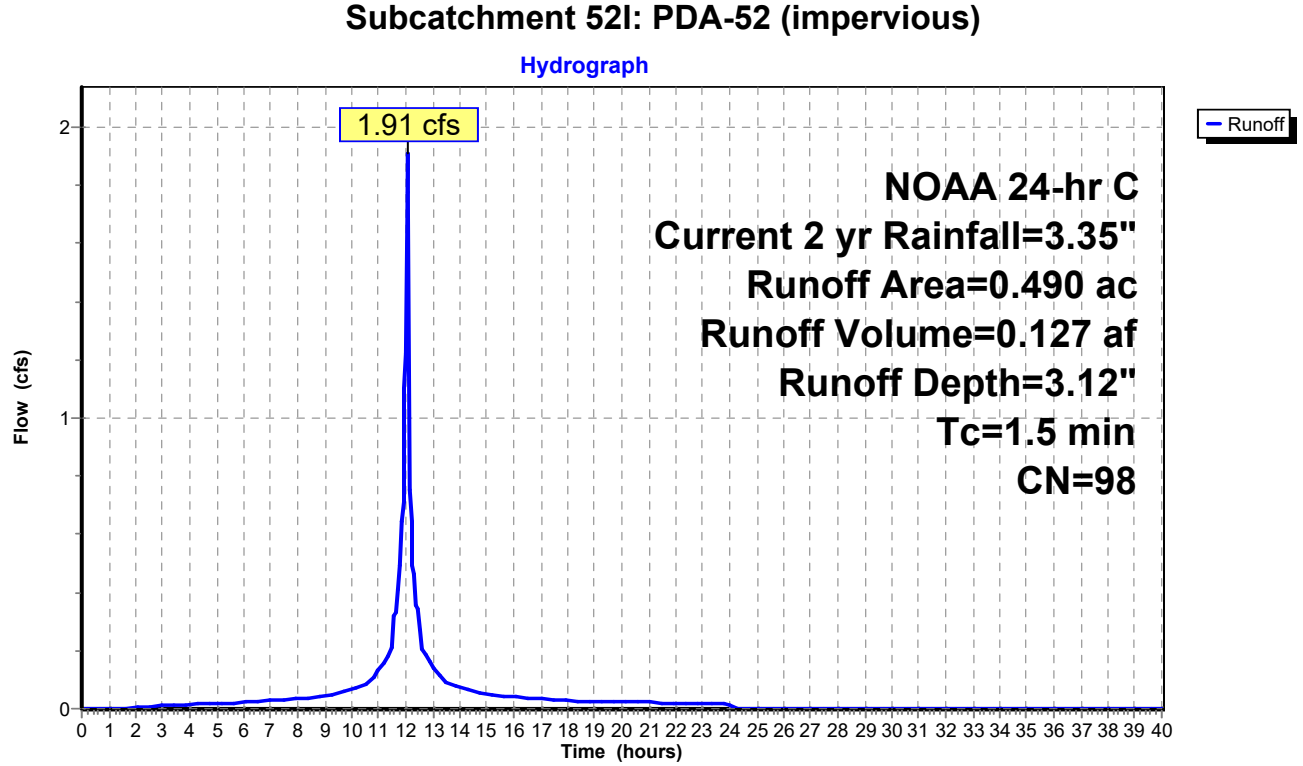
Summary for Subcatchment 52l: PDA-52 (impervious)

Runoff = 1.91 cfs @ 12.07 hrs, Volume= 0.127 af, Depth= 3.12"
Routed to Pond B-52 : Basin #52

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

	Area (ac)	CN	Description
*	0.118	98	Pavement, HSG C
*	0.339	98	Roof, HSG C
*	0.033	98	Concrete, HSG C
	0.490	98	Weighted Average
	0.490		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.5					**Direct Entry,**



Hydrograph for Subcatchment 52I: PDA-52 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.01	0.01
0.05	0.00	0.00	0.00	2.65	0.10	0.01	0.01
0.10	0.00	0.00	0.00	2.70	0.11	0.02	0.01
0.15	0.01	0.00	0.00	2.75	0.11	0.02	0.01
0.20	0.01	0.00	0.00	2.80	0.11	0.02	0.01
0.25	0.01	0.00	0.00	2.85	0.11	0.02	0.01
0.30	0.01	0.00	0.00	2.90	0.11	0.02	0.01
0.35	0.01	0.00	0.00	2.95	0.12	0.02	0.01
0.40	0.01	0.00	0.00	3.00	0.12	0.02	0.01
0.45	0.02	0.00	0.00	3.05	0.12	0.02	0.01
0.50	0.02	0.00	0.00	3.10	0.12	0.02	0.01
0.55	0.02	0.00	0.00	3.15	0.12	0.02	0.01
0.60	0.02	0.00	0.00	3.20	0.13	0.03	0.01
0.65	0.02	0.00	0.00	3.25	0.13	0.03	0.01
0.70	0.03	0.00	0.00	3.30	0.13	0.03	0.01
0.75	0.03	0.00	0.00	3.35	0.13	0.03	0.01
0.80	0.03	0.00	0.00	3.40	0.14	0.03	0.01
0.85	0.03	0.00	0.00	3.45	0.14	0.03	0.01
0.90	0.03	0.00	0.00	3.50	0.14	0.03	0.01
0.95	0.03	0.00	0.00	3.55	0.14	0.03	0.01
1.00	0.04	0.00	0.00	3.60	0.15	0.04	0.01
1.05	0.04	0.00	0.00	3.65	0.15	0.04	0.01
1.10	0.04	0.00	0.00	3.70	0.15	0.04	0.01
1.15	0.04	0.00	0.00	3.75	0.15	0.04	0.01
1.20	0.04	0.00	0.00	3.80	0.15	0.04	0.01
1.25	0.05	0.00	0.00	3.85	0.16	0.04	0.01
1.30	0.05	0.00	0.00	3.90	0.16	0.04	0.01
1.35	0.05	0.00	0.00	3.95	0.16	0.04	0.01
1.40	0.05	0.00	0.00	4.00	0.16	0.05	0.01
1.45	0.05	0.00	0.00	4.05	0.17	0.05	0.01
1.50	0.06	0.00	0.00	4.10	0.17	0.05	0.01
1.55	0.06	0.00	0.00	4.15	0.17	0.05	0.01
1.60	0.06	0.00	0.00	4.20	0.17	0.05	0.01
1.65	0.06	0.00	0.00	4.25	0.18	0.05	0.02
1.70	0.06	0.00	0.00	4.30	0.18	0.06	0.02
1.75	0.07	0.00	0.00	4.35	0.18	0.06	0.02
1.80	0.07	0.00	0.00	4.40	0.18	0.06	0.02
1.85	0.07	0.00	0.00	4.45	0.19	0.06	0.02
1.90	0.07	0.00	0.00	4.50	0.19	0.06	0.02
1.95	0.07	0.00	0.01	4.55	0.19	0.06	0.02
2.00	0.08	0.01	0.01	4.60	0.19	0.07	0.02
2.05	0.08	0.01	0.01	4.65	0.20	0.07	0.02
2.10	0.08	0.01	0.01	4.70	0.20	0.07	0.02
2.15	0.08	0.01	0.01	4.75	0.20	0.07	0.02
2.20	0.08	0.01	0.01	4.80	0.20	0.07	0.02
2.25	0.09	0.01	0.01	4.85	0.21	0.07	0.02
2.30	0.09	0.01	0.01	4.90	0.21	0.08	0.02
2.35	0.09	0.01	0.01	4.95	0.21	0.08	0.02
2.40	0.09	0.01	0.01	5.00	0.21	0.08	0.02
2.45	0.09	0.01	0.01	5.05	0.22	0.08	0.02
2.50	0.10	0.01	0.01	5.10	0.22	0.08	0.02
2.55	0.10	0.01	0.01	5.15	0.22	0.08	0.02

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.09	0.02	7.80	0.39	0.22	0.03
5.25	0.23	0.09	0.02	7.85	0.39	0.22	0.03
5.30	0.23	0.09	0.02	7.90	0.39	0.22	0.03
5.35	0.23	0.09	0.02	7.95	0.40	0.23	0.03
5.40	0.23	0.09	0.02	8.00	0.40	0.23	0.03
5.45	0.24	0.10	0.02	8.05	0.41	0.23	0.04
5.50	0.24	0.10	0.02	8.10	0.41	0.24	0.04
5.55	0.24	0.10	0.02	8.15	0.41	0.24	0.04
5.60	0.24	0.10	0.02	8.20	0.42	0.24	0.04
5.65	0.25	0.10	0.02	8.25	0.42	0.25	0.04
5.70	0.25	0.11	0.02	8.30	0.43	0.25	0.04
5.75	0.25	0.11	0.02	8.35	0.43	0.26	0.04
5.80	0.25	0.11	0.02	8.40	0.43	0.26	0.04
5.85	0.26	0.11	0.02	8.45	0.44	0.26	0.04
5.90	0.26	0.11	0.02	8.50	0.44	0.27	0.04
5.95	0.26	0.12	0.02	8.55	0.45	0.27	0.04
6.00	0.27	0.12	0.02	8.60	0.45	0.28	0.04
6.05	0.27	0.12	0.02	8.65	0.46	0.28	0.04
6.10	0.27	0.12	0.02	8.70	0.46	0.28	0.04
6.15	0.27	0.12	0.02	8.75	0.47	0.29	0.04
6.20	0.28	0.13	0.02	8.80	0.47	0.29	0.04
6.25	0.28	0.13	0.02	8.85	0.48	0.30	0.04
6.30	0.28	0.13	0.02	8.90	0.48	0.30	0.04
6.35	0.29	0.13	0.02	8.95	0.48	0.30	0.04
6.40	0.29	0.14	0.02	9.00	0.49	0.31	0.04
6.45	0.29	0.14	0.02	9.05	0.49	0.31	0.04
6.50	0.29	0.14	0.02	9.10	0.50	0.32	0.04
6.55	0.30	0.14	0.02	9.15	0.50	0.32	0.05
6.60	0.30	0.15	0.02	9.20	0.51	0.33	0.05
6.65	0.30	0.15	0.03	9.25	0.51	0.33	0.05
6.70	0.31	0.15	0.03	9.30	0.52	0.34	0.05
6.75	0.31	0.15	0.03	9.35	0.53	0.34	0.05
6.80	0.31	0.16	0.03	9.40	0.53	0.35	0.05
6.85	0.32	0.16	0.03	9.45	0.54	0.35	0.05
6.90	0.32	0.16	0.03	9.50	0.54	0.36	0.05
6.95	0.32	0.16	0.03	9.55	0.55	0.36	0.06
7.00	0.33	0.17	0.03	9.60	0.56	0.37	0.06
7.05	0.33	0.17	0.03	9.65	0.56	0.38	0.06
7.10	0.33	0.17	0.03	9.70	0.57	0.38	0.06
7.15	0.34	0.18	0.03	9.75	0.58	0.39	0.06
7.20	0.34	0.18	0.03	9.80	0.58	0.39	0.06
7.25	0.34	0.18	0.03	9.85	0.59	0.40	0.06
7.30	0.35	0.18	0.03	9.90	0.60	0.41	0.06
7.35	0.35	0.19	0.03	9.95	0.60	0.41	0.07
7.40	0.35	0.19	0.03	10.00	0.61	0.42	0.07
7.45	0.36	0.19	0.03	10.05	0.62	0.43	0.07
7.50	0.36	0.20	0.03	10.10	0.63	0.43	0.07
7.55	0.37	0.20	0.03	10.15	0.63	0.44	0.07
7.60	0.37	0.20	0.03	10.20	0.64	0.45	0.07
7.65	0.37	0.21	0.03	10.25	0.65	0.46	0.07
7.70	0.38	0.21	0.03	10.30	0.66	0.46	0.07
7.75	0.38	0.21	0.03	10.35	0.67	0.47	0.08

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.48	0.08	13.00	2.55	2.32	0.15
10.45	0.68	0.49	0.08	13.05	2.56	2.33	0.13
10.50	0.69	0.49	0.08	13.10	2.57	2.34	0.13
10.55	0.70	0.50	0.09	13.15	2.58	2.36	0.12
10.60	0.71	0.51	0.09	13.20	2.60	2.37	0.12
10.65	0.72	0.52	0.10	13.25	2.61	2.38	0.11
10.70	0.73	0.53	0.10	13.30	2.62	2.39	0.11
10.75	0.74	0.54	0.11	13.35	2.63	2.40	0.10
10.80	0.75	0.55	0.11	13.40	2.64	2.41	0.10
10.85	0.77	0.57	0.12	13.45	2.65	2.42	0.09
10.90	0.78	0.58	0.12	13.50	2.66	2.43	0.09
10.95	0.79	0.59	0.12	13.55	2.67	2.44	0.08
11.00	0.80	0.60	0.13	13.60	2.68	2.45	0.08
11.05	0.82	0.62	0.14	13.65	2.68	2.45	0.08
11.10	0.83	0.63	0.14	13.70	2.69	2.46	0.08
11.15	0.85	0.65	0.16	13.75	2.70	2.47	0.08
11.20	0.87	0.66	0.16	13.80	2.71	2.48	0.08
11.25	0.89	0.68	0.18	13.85	2.72	2.49	0.08
11.30	0.91	0.70	0.18	13.90	2.72	2.49	0.08
11.35	0.93	0.72	0.19	13.95	2.73	2.50	0.07
11.40	0.95	0.74	0.20	14.00	2.74	2.51	0.07
11.45	0.97	0.76	0.21	14.05	2.75	2.52	0.07
11.50	0.99	0.78	0.22	14.10	2.75	2.52	0.07
11.55	1.02	0.81	0.32	14.15	2.76	2.53	0.07
11.60	1.06	0.85	0.33	14.20	2.77	2.54	0.07
11.65	1.09	0.88	0.34	14.25	2.77	2.54	0.07
11.70	1.13	0.92	0.36	14.30	2.78	2.55	0.07
11.75	1.18	0.96	0.46	14.35	2.79	2.56	0.06
11.80	1.23	1.01	0.49	14.40	2.79	2.56	0.06
11.85	1.29	1.08	0.64	14.45	2.80	2.57	0.06
11.90	1.36	1.14	0.71	14.50	2.81	2.58	0.06
11.95	1.48	1.26	1.11	14.55	2.81	2.58	0.06
12.00	1.60	1.38	1.22	14.60	2.82	2.59	0.06
12.05	1.79	1.57	**1.86**	14.65	2.82	2.59	0.06
12.10	1.99	1.76	1.78	14.70	2.83	2.60	0.06
12.15	2.06	1.83	0.75	14.75	2.84	2.60	0.05
12.20	2.12	1.90	0.65	14.80	2.84	2.61	0.05
12.25	2.17	1.95	0.49	14.85	2.85	2.61	0.05
12.30	2.22	1.99	0.47	14.90	2.85	2.62	0.05
12.35	2.26	2.03	0.36	14.95	2.86	2.62	0.05
12.40	2.29	2.06	0.35	15.00	2.86	2.63	0.05
12.45	2.33	2.10	0.33	15.05	2.87	2.63	0.05
12.50	2.36	2.13	0.32	15.10	2.87	2.64	0.05
12.55	2.38	2.15	0.22	15.15	2.87	2.64	0.05
12.60	2.40	2.18	0.21	15.20	2.88	2.65	0.05
12.65	2.42	2.20	0.20	15.25	2.88	2.65	0.04
12.70	2.44	2.22	0.20	15.30	2.89	2.66	0.04
12.75	2.46	2.23	0.18	15.35	2.89	2.66	0.04
12.80	2.48	2.25	0.18	15.40	2.90	2.67	0.04
12.85	2.50	2.27	0.17	15.45	2.90	2.67	0.04
12.90	2.52	2.29	0.16	15.50	2.91	2.68	0.04
12.95	2.53	2.30	0.15	15.55	2.91	2.68	0.04

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	2.68	0.04	18.20	3.10	2.86	0.03
15.65	2.92	2.69	0.04	18.25	3.10	2.87	0.03
15.70	2.92	2.69	0.04	18.30	3.10	2.87	0.03
15.75	2.93	2.70	0.04	18.35	3.10	2.87	0.03
15.80	2.93	2.70	0.04	18.40	3.11	2.87	0.03
15.85	2.94	2.70	0.04	18.45	3.11	2.88	0.03
15.90	2.94	2.71	0.04	18.50	3.11	2.88	0.03
15.95	2.94	2.71	0.04	18.55	3.11	2.88	0.03
16.00	2.95	2.72	0.04	18.60	3.12	2.88	0.03
16.05	2.95	2.72	0.04	18.65	3.12	2.89	0.03
16.10	2.96	2.73	0.04	18.70	3.12	2.89	0.03
16.15	2.96	2.73	0.04	18.75	3.12	2.89	0.03
16.20	2.96	2.73	0.04	18.80	3.13	2.89	0.03
16.25	2.97	2.74	0.04	18.85	3.13	2.90	0.03
16.30	2.97	2.74	0.04	18.90	3.13	2.90	0.03
16.35	2.98	2.74	0.04	18.95	3.13	2.90	0.03
16.40	2.98	2.75	0.04	19.00	3.14	2.90	0.03
16.45	2.98	2.75	0.04	19.05	3.14	2.91	0.02
16.50	2.99	2.76	0.04	19.10	3.14	2.91	0.02
16.55	2.99	2.76	0.04	19.15	3.14	2.91	0.02
16.60	3.00	2.76	0.04	19.20	3.15	2.91	0.02
16.65	3.00	2.77	0.04	19.25	3.15	2.92	0.02
16.70	3.00	2.77	0.04	19.30	3.15	2.92	0.02
16.75	3.01	2.77	0.04	19.35	3.15	2.92	0.02
16.80	3.01	2.78	0.03	19.40	3.16	2.92	0.02
16.85	3.01	2.78	0.03	19.45	3.16	2.93	0.02
16.90	3.02	2.78	0.03	19.50	3.16	2.93	0.02
16.95	3.02	2.79	0.03	19.55	3.16	2.93	0.02
17.00	3.02	2.79	0.03	19.60	3.17	2.93	0.02
17.05	3.03	2.79	0.03	19.65	3.17	2.94	0.02
17.10	3.03	2.80	0.03	19.70	3.17	2.94	0.02
17.15	3.03	2.80	0.03	19.75	3.17	2.94	0.02
17.20	3.04	2.80	0.03	19.80	3.18	2.94	0.02
17.25	3.04	2.81	0.03	19.85	3.18	2.95	0.02
17.30	3.04	2.81	0.03	19.90	3.18	2.95	0.02
17.35	3.05	2.81	0.03	19.95	3.18	2.95	0.02
17.40	3.05	2.82	0.03	20.00	3.19	2.95	0.02
17.45	3.05	2.82	0.03	20.05	3.19	2.96	0.02
17.50	3.06	2.82	0.03	20.10	3.19	2.96	0.02
17.55	3.06	2.83	0.03	20.15	3.19	2.96	0.02
17.60	3.06	2.83	0.03	20.20	3.20	2.96	0.02
17.65	3.06	2.83	0.03	20.25	3.20	2.97	0.02
17.70	3.07	2.84	0.03	20.30	3.20	2.97	0.02
17.75	3.07	2.84	0.03	20.35	3.20	2.97	0.02
17.80	3.07	2.84	0.03	20.40	3.20	2.97	0.02
17.85	3.08	2.84	0.03	20.45	3.21	2.97	0.02
17.90	3.08	2.85	0.03	20.50	3.21	2.98	0.02
17.95	3.08	2.85	0.03	20.55	3.21	2.98	0.02
18.00	3.08	2.85	0.03	20.60	3.21	2.98	0.02
18.05	3.09	2.86	0.03	20.65	3.22	2.98	0.02
18.10	3.09	2.86	0.03	20.70	3.22	2.99	0.02
18.15	3.09	2.86	0.03	20.75	3.22	2.99	0.02

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	2.99	0.02	23.40	3.33	3.10	0.02
20.85	3.23	2.99	0.02	23.45	3.33	3.10	0.02
20.90	3.23	2.99	0.02	23.50	3.33	3.10	0.02
20.95	3.23	3.00	0.02	23.55	3.33	3.10	0.02
21.00	3.23	3.00	0.02	23.60	3.34	3.10	0.02
21.05	3.23	3.00	0.02	23.65	3.34	3.10	0.02
21.10	3.24	3.00	0.02	23.70	3.34	3.11	0.02
21.15	3.24	3.01	0.02	23.75	3.34	3.11	0.02
21.20	3.24	3.01	0.02	23.80	3.34	3.11	0.02
21.25	3.24	3.01	0.02	23.85	3.34	3.11	0.02
21.30	3.24	3.01	0.02	23.90	3.35	3.11	0.02
21.35	3.25	3.01	0.02	23.95	3.35	3.11	0.02
21.40	3.25	3.02	0.02	24.00	**3.35**	**3.12**	0.02
21.45	3.25	3.02	0.02	24.05	3.35	3.12	0.00
21.50	3.25	3.02	0.02	24.10	3.35	3.12	0.00
21.55	3.26	3.02	0.02	24.15	3.35	3.12	0.00
21.60	3.26	3.02	0.02	24.20	3.35	3.12	0.00
21.65	3.26	3.03	0.02	24.25	3.35	3.12	0.00
21.70	3.26	3.03	0.02	24.30	3.35	3.12	0.00
21.75	3.26	3.03	0.02	24.35	3.35	3.12	0.00
21.80	3.27	3.03	0.02	24.40	3.35	3.12	0.00
21.85	3.27	3.04	0.02	24.45	3.35	3.12	0.00
21.90	3.27	3.04	0.02	24.50	3.35	3.12	0.00
21.95	3.27	3.04	0.02	24.55	3.35	3.12	0.00
22.00	3.27	3.04	0.02	24.60	3.35	3.12	0.00
22.05	3.28	3.04	0.02	24.65	3.35	3.12	0.00
22.10	3.28	3.05	0.02	24.70	3.35	3.12	0.00
22.15	3.28	3.05	0.02	24.75	3.35	3.12	0.00
22.20	3.28	3.05	0.02	24.80	3.35	3.12	0.00
22.25	3.28	3.05	0.02	24.85	3.35	3.12	0.00
22.30	3.29	3.05	0.02	24.90	3.35	3.12	0.00
22.35	3.29	3.06	0.02	24.95	3.35	3.12	0.00
22.40	3.29	3.06	0.02	25.00	3.35	3.12	0.00
22.45	3.29	3.06	0.02	25.05	3.35	3.12	0.00
22.50	3.29	3.06	0.02	25.10	3.35	3.12	0.00
22.55	3.30	3.06	0.02	25.15	3.35	3.12	0.00
22.60	3.30	3.07	0.02	25.20	3.35	3.12	0.00
22.65	3.30	3.07	0.02	25.25	3.35	3.12	0.00
22.70	3.30	3.07	0.02	25.30	3.35	3.12	0.00
22.75	3.30	3.07	0.02	25.35	3.35	3.12	0.00
22.80	3.31	3.07	0.02	25.40	3.35	3.12	0.00
22.85	3.31	3.07	0.02	25.45	3.35	3.12	0.00
22.90	3.31	3.08	0.02	25.50	3.35	3.12	0.00
22.95	3.31	3.08	0.02	25.55	3.35	3.12	0.00
23.00	3.31	3.08	0.02	25.60	3.35	3.12	0.00
23.05	3.32	3.08	0.02	25.65	3.35	3.12	0.00
23.10	3.32	3.08	0.02	25.70	3.35	3.12	0.00
23.15	3.32	3.09	0.02	25.75	3.35	3.12	0.00
23.20	3.32	3.09	0.02	25.80	3.35	3.12	0.00
23.25	3.32	3.09	0.02	25.85	3.35	3.12	0.00
23.30	3.32	3.09	0.02	25.90	3.35	3.12	0.00
23.35	3.33	3.09	0.02	25.95	3.35	3.12	0.00

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	3.12	0.00	28.60	3.35	3.12	0.00
26.05	3.35	3.12	0.00	28.65	3.35	3.12	0.00
26.10	3.35	3.12	0.00	28.70	3.35	3.12	0.00
26.15	3.35	3.12	0.00	28.75	3.35	3.12	0.00
26.20	3.35	3.12	0.00	28.80	3.35	3.12	0.00
26.25	3.35	3.12	0.00	28.85	3.35	3.12	0.00
26.30	3.35	3.12	0.00	28.90	3.35	3.12	0.00
26.35	3.35	3.12	0.00	28.95	3.35	3.12	0.00
26.40	3.35	3.12	0.00	29.00	3.35	3.12	0.00
26.45	3.35	3.12	0.00	29.05	3.35	3.12	0.00
26.50	3.35	3.12	0.00	29.10	3.35	3.12	0.00
26.55	3.35	3.12	0.00	29.15	3.35	3.12	0.00
26.60	3.35	3.12	0.00	29.20	3.35	3.12	0.00
26.65	3.35	3.12	0.00	29.25	3.35	3.12	0.00
26.70	3.35	3.12	0.00	29.30	3.35	3.12	0.00
26.75	3.35	3.12	0.00	29.35	3.35	3.12	0.00
26.80	3.35	3.12	0.00	29.40	3.35	3.12	0.00
26.85	3.35	3.12	0.00	29.45	3.35	3.12	0.00
26.90	3.35	3.12	0.00	29.50	3.35	3.12	0.00
26.95	3.35	3.12	0.00	29.55	3.35	3.12	0.00
27.00	3.35	3.12	0.00	29.60	3.35	3.12	0.00
27.05	3.35	3.12	0.00	29.65	3.35	3.12	0.00
27.10	3.35	3.12	0.00	29.70	3.35	3.12	0.00
27.15	3.35	3.12	0.00	29.75	3.35	3.12	0.00
27.20	3.35	3.12	0.00	29.80	3.35	3.12	0.00
27.25	3.35	3.12	0.00	29.85	3.35	3.12	0.00
27.30	3.35	3.12	0.00	29.90	3.35	3.12	0.00
27.35	3.35	3.12	0.00	29.95	3.35	3.12	0.00
27.40	3.35	3.12	0.00	30.00	3.35	3.12	0.00
27.45	3.35	3.12	0.00	30.05	3.35	3.12	0.00
27.50	3.35	3.12	0.00	30.10	3.35	3.12	0.00
27.55	3.35	3.12	0.00	30.15	3.35	3.12	0.00
27.60	3.35	3.12	0.00	30.20	3.35	3.12	0.00
27.65	3.35	3.12	0.00	30.25	3.35	3.12	0.00
27.70	3.35	3.12	0.00	30.30	3.35	3.12	0.00
27.75	3.35	3.12	0.00	30.35	3.35	3.12	0.00
27.80	3.35	3.12	0.00	30.40	3.35	3.12	0.00
27.85	3.35	3.12	0.00	30.45	3.35	3.12	0.00
27.90	3.35	3.12	0.00	30.50	3.35	3.12	0.00
27.95	3.35	3.12	0.00	30.55	3.35	3.12	0.00
28.00	3.35	3.12	0.00	30.60	3.35	3.12	0.00
28.05	3.35	3.12	0.00	30.65	3.35	3.12	0.00
28.10	3.35	3.12	0.00	30.70	3.35	3.12	0.00
28.15	3.35	3.12	0.00	30.75	3.35	3.12	0.00
28.20	3.35	3.12	0.00	30.80	3.35	3.12	0.00
28.25	3.35	3.12	0.00	30.85	3.35	3.12	0.00
28.30	3.35	3.12	0.00	30.90	3.35	3.12	0.00
28.35	3.35	3.12	0.00	30.95	3.35	3.12	0.00
28.40	3.35	3.12	0.00	31.00	3.35	3.12	0.00
28.45	3.35	3.12	0.00	31.05	3.35	3.12	0.00
28.50	3.35	3.12	0.00	31.10	3.35	3.12	0.00
28.55	3.35	3.12	0.00	31.15	3.35	3.12	0.00

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	3.12	0.00	33.80	3.35	3.12	0.00
31.25	3.35	3.12	0.00	33.85	3.35	3.12	0.00
31.30	3.35	3.12	0.00	33.90	3.35	3.12	0.00
31.35	3.35	3.12	0.00	33.95	3.35	3.12	0.00
31.40	3.35	3.12	0.00	34.00	3.35	3.12	0.00
31.45	3.35	3.12	0.00	34.05	3.35	3.12	0.00
31.50	3.35	3.12	0.00	34.10	3.35	3.12	0.00
31.55	3.35	3.12	0.00	34.15	3.35	3.12	0.00
31.60	3.35	3.12	0.00	34.20	3.35	3.12	0.00
31.65	3.35	3.12	0.00	34.25	3.35	3.12	0.00
31.70	3.35	3.12	0.00	34.30	3.35	3.12	0.00
31.75	3.35	3.12	0.00	34.35	3.35	3.12	0.00
31.80	3.35	3.12	0.00	34.40	3.35	3.12	0.00
31.85	3.35	3.12	0.00	34.45	3.35	3.12	0.00
31.90	3.35	3.12	0.00	34.50	3.35	3.12	0.00
31.95	3.35	3.12	0.00	34.55	3.35	3.12	0.00
32.00	3.35	3.12	0.00	34.60	3.35	3.12	0.00
32.05	3.35	3.12	0.00	34.65	3.35	3.12	0.00
32.10	3.35	3.12	0.00	34.70	3.35	3.12	0.00
32.15	3.35	3.12	0.00	34.75	3.35	3.12	0.00
32.20	3.35	3.12	0.00	34.80	3.35	3.12	0.00
32.25	3.35	3.12	0.00	34.85	3.35	3.12	0.00
32.30	3.35	3.12	0.00	34.90	3.35	3.12	0.00
32.35	3.35	3.12	0.00	34.95	3.35	3.12	0.00
32.40	3.35	3.12	0.00	35.00	3.35	3.12	0.00
32.45	3.35	3.12	0.00	35.05	3.35	3.12	0.00
32.50	3.35	3.12	0.00	35.10	3.35	3.12	0.00
32.55	3.35	3.12	0.00	35.15	3.35	3.12	0.00
32.60	3.35	3.12	0.00	35.20	3.35	3.12	0.00
32.65	3.35	3.12	0.00	35.25	3.35	3.12	0.00
32.70	3.35	3.12	0.00	35.30	3.35	3.12	0.00
32.75	3.35	3.12	0.00	35.35	3.35	3.12	0.00
32.80	3.35	3.12	0.00	35.40	3.35	3.12	0.00
32.85	3.35	3.12	0.00	35.45	3.35	3.12	0.00
32.90	3.35	3.12	0.00	35.50	3.35	3.12	0.00
32.95	3.35	3.12	0.00	35.55	3.35	3.12	0.00
33.00	3.35	3.12	0.00	35.60	3.35	3.12	0.00
33.05	3.35	3.12	0.00	35.65	3.35	3.12	0.00
33.10	3.35	3.12	0.00	35.70	3.35	3.12	0.00
33.15	3.35	3.12	0.00	35.75	3.35	3.12	0.00
33.20	3.35	3.12	0.00	35.80	3.35	3.12	0.00
33.25	3.35	3.12	0.00	35.85	3.35	3.12	0.00
33.30	3.35	3.12	0.00	35.90	3.35	3.12	0.00
33.35	3.35	3.12	0.00	35.95	3.35	3.12	0.00
33.40	3.35	3.12	0.00	36.00	3.35	3.12	0.00
33.45	3.35	3.12	0.00	36.05	3.35	3.12	0.00
33.50	3.35	3.12	0.00	36.10	3.35	3.12	0.00
33.55	3.35	3.12	0.00	36.15	3.35	3.12	0.00
33.60	3.35	3.12	0.00	36.20	3.35	3.12	0.00
33.65	3.35	3.12	0.00	36.25	3.35	3.12	0.00
33.70	3.35	3.12	0.00	36.30	3.35	3.12	0.00
33.75	3.35	3.12	0.00	36.35	3.35	3.12	0.00

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	3.12	0.00
36.45	3.35	3.12	0.00
36.50	3.35	3.12	0.00
36.55	3.35	3.12	0.00
36.60	3.35	3.12	0.00
36.65	3.35	3.12	0.00
36.70	3.35	3.12	0.00
36.75	3.35	3.12	0.00
36.80	3.35	3.12	0.00
36.85	3.35	3.12	0.00
36.90	3.35	3.12	0.00
36.95	3.35	3.12	0.00
37.00	3.35	3.12	0.00
37.05	3.35	3.12	0.00
37.10	3.35	3.12	0.00
37.15	3.35	3.12	0.00
37.20	3.35	3.12	0.00
37.25	3.35	3.12	0.00
37.30	3.35	3.12	0.00
37.35	3.35	3.12	0.00
37.40	3.35	3.12	0.00
37.45	3.35	3.12	0.00
37.50	3.35	3.12	0.00
37.55	3.35	3.12	0.00
37.60	3.35	3.12	0.00
37.65	3.35	3.12	0.00
37.70	3.35	3.12	0.00
37.75	3.35	3.12	0.00
37.80	3.35	3.12	0.00
37.85	3.35	3.12	0.00
37.90	3.35	3.12	0.00
37.95	3.35	3.12	0.00
38.00	3.35	3.12	0.00
38.05	3.35	3.12	0.00
38.10	3.35	3.12	0.00
38.15	3.35	3.12	0.00
38.20	3.35	3.12	0.00
38.25	3.35	3.12	0.00
38.30	3.35	3.12	0.00
38.35	3.35	3.12	0.00
38.40	3.35	3.12	0.00
38.45	3.35	3.12	0.00
38.50	3.35	3.12	0.00
38.55	3.35	3.12	0.00
38.60	3.35	3.12	0.00
38.65	3.35	3.12	0.00
38.70	3.35	3.12	0.00
38.75	3.35	3.12	0.00
38.80	3.35	3.12	0.00
38.85	3.35	3.12	0.00
38.90	3.35	3.12	0.00
38.95	3.35	3.12	0.00
39.00	3.35	3.12	0.00
39.05	3.35	3.12	0.00
39.10	3.35	3.12	0.00
39.15	3.35	3.12	0.00
39.20	3.35	3.12	0.00
39.25	3.35	3.12	0.00
39.30	3.35	3.12	0.00
39.35	3.35	3.12	0.00
39.40	3.35	3.12	0.00
39.45	3.35	3.12	0.00
39.50	3.35	3.12	0.00
39.55	3.35	3.12	0.00
39.60	3.35	3.12	0.00
39.65	3.35	3.12	0.00
39.70	3.35	3.12	0.00
39.75	3.35	3.12	0.00
39.80	3.35	3.12	0.00
39.85	3.35	3.12	0.00
39.90	3.35	3.12	0.00
39.95	3.35	3.12	0.00
40.00	3.35	3.12	0.00

Summary for Subcatchment 52P: PDA-52 (pervious)

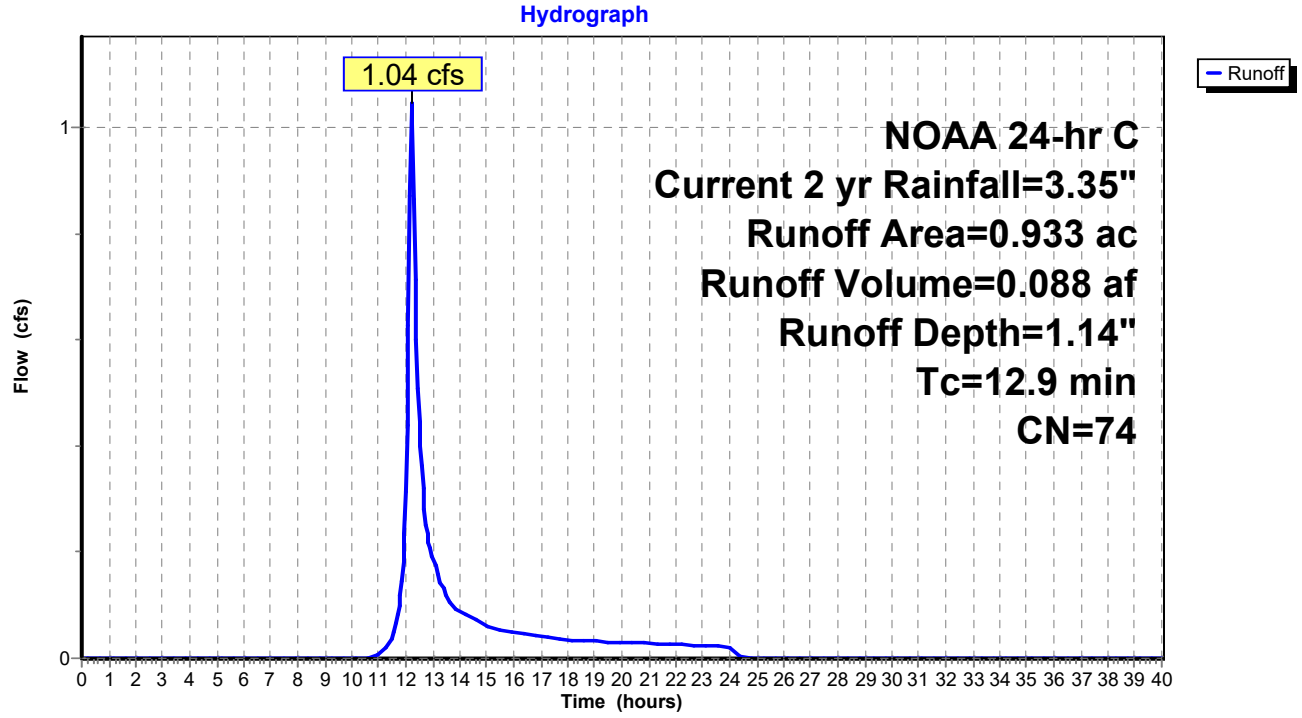
Runoff = 1.04 cfs @ 12.22 hrs, Volume= 0.088 af, Depth= 1.14"
Routed to Pond B-52 : Basin #52

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
0.933	74	>75% Grass cover, Good, HSG C
0.933		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.9					**Direct Entry,**

Subcatchment 52P: PDA-52 (pervious)



Hydrograph for Subcatchment 52P: PDA-52 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.63	0.19
10.45	0.68	0.00	0.00	13.05	2.56	0.64	0.18
10.50	0.69	0.00	0.00	13.10	2.57	0.65	0.17
10.55	0.70	0.00	0.00	13.15	2.58	0.66	0.16
10.60	0.71	0.00	0.00	13.20	2.60	0.66	0.15
10.65	0.72	0.00	0.00	13.25	2.61	0.67	0.15
10.70	0.73	0.00	0.00	13.30	2.62	0.68	0.14
10.75	0.74	0.00	0.00	13.35	2.63	0.68	0.13
10.80	0.75	0.00	0.00	13.40	2.64	0.69	0.13
10.85	0.77	0.00	0.00	13.45	2.65	0.69	0.12
10.90	0.78	0.00	0.00	13.50	2.66	0.70	0.12
10.95	0.79	0.00	0.00	13.55	2.67	0.70	0.11
11.00	0.80	0.00	0.01	13.60	2.68	0.71	0.11
11.05	0.82	0.00	0.01	13.65	2.68	0.71	0.10
11.10	0.83	0.00	0.01	13.70	2.69	0.72	0.10
11.15	0.85	0.01	0.01	13.75	2.70	0.72	0.10
11.20	0.87	0.01	0.02	13.80	2.71	0.73	0.09
11.25	0.89	0.01	0.02	13.85	2.72	0.73	0.09
11.30	0.91	0.01	0.02	13.90	2.72	0.74	0.09
11.35	0.93	0.01	0.03	13.95	2.73	0.74	0.09
11.40	0.95	0.02	0.03	14.00	2.74	0.75	0.09
11.45	0.97	0.02	0.03	14.05	2.75	0.75	0.09
11.50	0.99	0.02	0.04	14.10	2.75	0.76	0.09
11.55	1.02	0.03	0.05	14.15	2.76	0.76	0.08
11.60	1.06	0.03	0.05	14.20	2.77	0.76	0.08
11.65	1.09	0.04	0.07	14.25	2.77	0.77	0.08
11.70	1.13	0.05	0.08	14.30	2.78	0.77	0.08
11.75	1.18	0.06	0.10	14.35	2.79	0.78	0.08
11.80	1.23	0.07	0.12	14.40	2.79	0.78	0.08
11.85	1.29	0.09	0.15	14.45	2.80	0.78	0.08
11.90	1.36	0.10	0.18	14.50	2.81	0.79	0.07
11.95	1.48	0.14	0.23	14.55	2.81	0.79	0.07
12.00	1.60	0.18	0.31	14.60	2.82	0.80	0.07
12.05	1.79	0.26	0.44	14.65	2.82	0.80	0.07
12.10	1.99	0.34	0.63	14.70	2.83	0.80	0.07
12.15	2.06	0.38	0.87	14.75	2.84	0.81	0.07
12.20	2.12	0.41	**1.03**	14.80	2.84	0.81	0.07
12.25	2.17	0.43	1.01	14.85	2.85	0.81	0.07
12.30	2.22	0.46	0.86	14.90	2.85	0.82	0.06
12.35	2.26	0.48	0.71	14.95	2.86	0.82	0.06
12.40	2.29	0.50	0.60	15.00	2.86	0.82	0.06
12.45	2.33	0.51	0.51	15.05	2.87	0.82	0.06
12.50	2.36	0.53	0.44	15.10	2.87	0.83	0.06
12.55	2.38	0.54	0.40	15.15	2.87	0.83	0.06
12.60	2.40	0.55	0.36	15.20	2.88	0.83	0.06
12.65	2.42	0.57	0.32	15.25	2.88	0.84	0.06
12.70	2.44	0.58	0.28	15.30	2.89	0.84	0.05
12.75	2.46	0.59	0.25	15.35	2.89	0.84	0.05
12.80	2.48	0.60	0.23	15.40	2.90	0.84	0.05
12.85	2.50	0.61	0.22	15.45	2.90	0.85	0.05
12.90	2.52	0.62	0.21	15.50	2.91	0.85	0.05
12.95	2.53	0.63	0.20	15.55	2.91	0.85	0.05

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.85	0.05	18.20	3.10	0.97	0.03
15.65	2.92	0.86	0.05	18.25	3.10	0.97	0.03
15.70	2.92	0.86	0.05	18.30	3.10	0.97	0.03
15.75	2.93	0.86	0.05	18.35	3.10	0.97	0.03
15.80	2.93	0.87	0.05	18.40	3.11	0.98	0.03
15.85	2.94	0.87	0.05	18.45	3.11	0.98	0.03
15.90	2.94	0.87	0.05	18.50	3.11	0.98	0.03
15.95	2.94	0.87	0.05	18.55	3.11	0.98	0.03
16.00	2.95	0.88	0.05	18.60	3.12	0.98	0.03
16.05	2.95	0.88	0.05	18.65	3.12	0.98	0.03
16.10	2.96	0.88	0.05	18.70	3.12	0.99	0.03
16.15	2.96	0.88	0.05	18.75	3.12	0.99	0.03
16.20	2.96	0.89	0.05	18.80	3.13	0.99	0.03
16.25	2.97	0.89	0.05	18.85	3.13	0.99	0.03
16.30	2.97	0.89	0.05	18.90	3.13	0.99	0.03
16.35	2.98	0.89	0.05	18.95	3.13	0.99	0.03
16.40	2.98	0.90	0.05	19.00	3.14	1.00	0.03
16.45	2.98	0.90	0.05	19.05	3.14	1.00	0.03
16.50	2.99	0.90	0.05	19.10	3.14	1.00	0.03
16.55	2.99	0.90	0.05	19.15	3.14	1.00	0.03
16.60	3.00	0.91	0.05	19.20	3.15	1.00	0.03
16.65	3.00	0.91	0.04	19.25	3.15	1.00	0.03
16.70	3.00	0.91	0.04	19.30	3.15	1.01	0.03
16.75	3.01	0.91	0.04	19.35	3.15	1.01	0.03
16.80	3.01	0.91	0.04	19.40	3.16	1.01	0.03
16.85	3.01	0.92	0.04	19.45	3.16	1.01	0.03
16.90	3.02	0.92	0.04	19.50	3.16	1.01	0.03
16.95	3.02	0.92	0.04	19.55	3.16	1.01	0.03
17.00	3.02	0.92	0.04	19.60	3.17	1.02	0.03
17.05	3.03	0.93	0.04	19.65	3.17	1.02	0.03
17.10	3.03	0.93	0.04	19.70	3.17	1.02	0.03
17.15	3.03	0.93	0.04	19.75	3.17	1.02	0.03
17.20	3.04	0.93	0.04	19.80	3.18	1.02	0.03
17.25	3.04	0.93	0.04	19.85	3.18	1.02	0.03
17.30	3.04	0.94	0.04	19.90	3.18	1.03	0.03
17.35	3.05	0.94	0.04	19.95	3.18	1.03	0.03
17.40	3.05	0.94	0.04	20.00	3.19	1.03	0.03
17.45	3.05	0.94	0.04	20.05	3.19	1.03	0.03
17.50	3.06	0.94	0.04	20.10	3.19	1.03	0.03
17.55	3.06	0.95	0.04	20.15	3.19	1.03	0.03
17.60	3.06	0.95	0.04	20.20	3.20	1.03	0.03
17.65	3.06	0.95	0.04	20.25	3.20	1.04	0.03
17.70	3.07	0.95	0.04	20.30	3.20	1.04	0.03
17.75	3.07	0.95	0.04	20.35	3.20	1.04	0.03
17.80	3.07	0.96	0.04	20.40	3.20	1.04	0.03
17.85	3.08	0.96	0.04	20.45	3.21	1.04	0.03
17.90	3.08	0.96	0.04	20.50	3.21	1.04	0.03
17.95	3.08	0.96	0.04	20.55	3.21	1.05	0.03
18.00	3.08	0.96	0.03	20.60	3.21	1.05	0.03
18.05	3.09	0.96	0.03	20.65	3.22	1.05	0.03
18.10	3.09	0.97	0.03	20.70	3.22	1.05	0.03
18.15	3.09	0.97	0.03	20.75	3.22	1.05	0.03

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	1.05	0.03	23.40	3.33	1.12	0.02
20.85	3.23	1.05	0.03	23.45	3.33	1.12	0.02
20.90	3.23	1.06	0.03	23.50	3.33	1.13	0.02
20.95	3.23	1.06	0.03	23.55	3.33	1.13	0.02
21.00	3.23	1.06	0.03	23.60	3.34	1.13	0.02
21.05	3.23	1.06	0.03	23.65	3.34	1.13	0.02
21.10	3.24	1.06	0.03	23.70	3.34	1.13	0.02
21.15	3.24	1.06	0.03	23.75	3.34	1.13	0.02
21.20	3.24	1.06	0.03	23.80	3.34	1.13	0.02
21.25	3.24	1.07	0.03	23.85	3.34	1.13	0.02
21.30	3.24	1.07	0.03	23.90	3.35	1.13	0.02
21.35	3.25	1.07	0.03	23.95	3.35	1.14	0.02
21.40	3.25	1.07	0.03	24.00	**3.35**	**1.14**	0.02
21.45	3.25	1.07	0.03	24.05	3.35	1.14	0.02
21.50	3.25	1.07	0.03	24.10	3.35	1.14	0.02
21.55	3.26	1.07	0.03	24.15	3.35	1.14	0.02
21.60	3.26	1.08	0.03	24.20	3.35	1.14	0.01
21.65	3.26	1.08	0.03	24.25	3.35	1.14	0.01
21.70	3.26	1.08	0.03	24.30	3.35	1.14	0.00
21.75	3.26	1.08	0.03	24.35	3.35	1.14	0.00
21.80	3.27	1.08	0.03	24.40	3.35	1.14	0.00
21.85	3.27	1.08	0.03	24.45	3.35	1.14	0.00
21.90	3.27	1.08	0.03	24.50	3.35	1.14	0.00
21.95	3.27	1.09	0.03	24.55	3.35	1.14	0.00
22.00	3.27	1.09	0.03	24.60	3.35	1.14	0.00
22.05	3.28	1.09	0.03	24.65	3.35	1.14	0.00
22.10	3.28	1.09	0.03	24.70	3.35	1.14	0.00
22.15	3.28	1.09	0.03	24.75	3.35	1.14	0.00
22.20	3.28	1.09	0.03	24.80	3.35	1.14	0.00
22.25	3.28	1.09	0.03	24.85	3.35	1.14	0.00
22.30	3.29	1.09	0.03	24.90	3.35	1.14	0.00
22.35	3.29	1.10	0.03	24.95	3.35	1.14	0.00
22.40	3.29	1.10	0.03	25.00	3.35	1.14	0.00
22.45	3.29	1.10	0.03	25.05	3.35	1.14	0.00
22.50	3.29	1.10	0.02	25.10	3.35	1.14	0.00
22.55	3.30	1.10	0.02	25.15	3.35	1.14	0.00
22.60	3.30	1.10	0.02	25.20	3.35	1.14	0.00
22.65	3.30	1.10	0.02	25.25	3.35	1.14	0.00
22.70	3.30	1.11	0.02	25.30	3.35	1.14	0.00
22.75	3.30	1.11	0.02	25.35	3.35	1.14	0.00
22.80	3.31	1.11	0.02	25.40	3.35	1.14	0.00
22.85	3.31	1.11	0.02	25.45	3.35	1.14	0.00
22.90	3.31	1.11	0.02	25.50	3.35	1.14	0.00
22.95	3.31	1.11	0.02	25.55	3.35	1.14	0.00
23.00	3.31	1.11	0.02	25.60	3.35	1.14	0.00
23.05	3.32	1.11	0.02	25.65	3.35	1.14	0.00
23.10	3.32	1.12	0.02	25.70	3.35	1.14	0.00
23.15	3.32	1.12	0.02	25.75	3.35	1.14	0.00
23.20	3.32	1.12	0.02	25.80	3.35	1.14	0.00
23.25	3.32	1.12	0.02	25.85	3.35	1.14	0.00
23.30	3.32	1.12	0.02	25.90	3.35	1.14	0.00
23.35	3.33	1.12	0.02	25.95	3.35	1.14	0.00

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	1.14	0.00	28.60	3.35	1.14	0.00
26.05	3.35	1.14	0.00	28.65	3.35	1.14	0.00
26.10	3.35	1.14	0.00	28.70	3.35	1.14	0.00
26.15	3.35	1.14	0.00	28.75	3.35	1.14	0.00
26.20	3.35	1.14	0.00	28.80	3.35	1.14	0.00
26.25	3.35	1.14	0.00	28.85	3.35	1.14	0.00
26.30	3.35	1.14	0.00	28.90	3.35	1.14	0.00
26.35	3.35	1.14	0.00	28.95	3.35	1.14	0.00
26.40	3.35	1.14	0.00	29.00	3.35	1.14	0.00
26.45	3.35	1.14	0.00	29.05	3.35	1.14	0.00
26.50	3.35	1.14	0.00	29.10	3.35	1.14	0.00
26.55	3.35	1.14	0.00	29.15	3.35	1.14	0.00
26.60	3.35	1.14	0.00	29.20	3.35	1.14	0.00
26.65	3.35	1.14	0.00	29.25	3.35	1.14	0.00
26.70	3.35	1.14	0.00	29.30	3.35	1.14	0.00
26.75	3.35	1.14	0.00	29.35	3.35	1.14	0.00
26.80	3.35	1.14	0.00	29.40	3.35	1.14	0.00
26.85	3.35	1.14	0.00	29.45	3.35	1.14	0.00
26.90	3.35	1.14	0.00	29.50	3.35	1.14	0.00
26.95	3.35	1.14	0.00	29.55	3.35	1.14	0.00
27.00	3.35	1.14	0.00	29.60	3.35	1.14	0.00
27.05	3.35	1.14	0.00	29.65	3.35	1.14	0.00
27.10	3.35	1.14	0.00	29.70	3.35	1.14	0.00
27.15	3.35	1.14	0.00	29.75	3.35	1.14	0.00
27.20	3.35	1.14	0.00	29.80	3.35	1.14	0.00
27.25	3.35	1.14	0.00	29.85	3.35	1.14	0.00
27.30	3.35	1.14	0.00	29.90	3.35	1.14	0.00
27.35	3.35	1.14	0.00	29.95	3.35	1.14	0.00
27.40	3.35	1.14	0.00	30.00	3.35	1.14	0.00
27.45	3.35	1.14	0.00	30.05	3.35	1.14	0.00
27.50	3.35	1.14	0.00	30.10	3.35	1.14	0.00
27.55	3.35	1.14	0.00	30.15	3.35	1.14	0.00
27.60	3.35	1.14	0.00	30.20	3.35	1.14	0.00
27.65	3.35	1.14	0.00	30.25	3.35	1.14	0.00
27.70	3.35	1.14	0.00	30.30	3.35	1.14	0.00
27.75	3.35	1.14	0.00	30.35	3.35	1.14	0.00
27.80	3.35	1.14	0.00	30.40	3.35	1.14	0.00
27.85	3.35	1.14	0.00	30.45	3.35	1.14	0.00
27.90	3.35	1.14	0.00	30.50	3.35	1.14	0.00
27.95	3.35	1.14	0.00	30.55	3.35	1.14	0.00
28.00	3.35	1.14	0.00	30.60	3.35	1.14	0.00
28.05	3.35	1.14	0.00	30.65	3.35	1.14	0.00
28.10	3.35	1.14	0.00	30.70	3.35	1.14	0.00
28.15	3.35	1.14	0.00	30.75	3.35	1.14	0.00
28.20	3.35	1.14	0.00	30.80	3.35	1.14	0.00
28.25	3.35	1.14	0.00	30.85	3.35	1.14	0.00
28.30	3.35	1.14	0.00	30.90	3.35	1.14	0.00
28.35	3.35	1.14	0.00	30.95	3.35	1.14	0.00
28.40	3.35	1.14	0.00	31.00	3.35	1.14	0.00
28.45	3.35	1.14	0.00	31.05	3.35	1.14	0.00
28.50	3.35	1.14	0.00	31.10	3.35	1.14	0.00
28.55	3.35	1.14	0.00	31.15	3.35	1.14	0.00

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	1.14	0.00	33.80	3.35	1.14	0.00
31.25	3.35	1.14	0.00	33.85	3.35	1.14	0.00
31.30	3.35	1.14	0.00	33.90	3.35	1.14	0.00
31.35	3.35	1.14	0.00	33.95	3.35	1.14	0.00
31.40	3.35	1.14	0.00	34.00	3.35	1.14	0.00
31.45	3.35	1.14	0.00	34.05	3.35	1.14	0.00
31.50	3.35	1.14	0.00	34.10	3.35	1.14	0.00
31.55	3.35	1.14	0.00	34.15	3.35	1.14	0.00
31.60	3.35	1.14	0.00	34.20	3.35	1.14	0.00
31.65	3.35	1.14	0.00	34.25	3.35	1.14	0.00
31.70	3.35	1.14	0.00	34.30	3.35	1.14	0.00
31.75	3.35	1.14	0.00	34.35	3.35	1.14	0.00
31.80	3.35	1.14	0.00	34.40	3.35	1.14	0.00
31.85	3.35	1.14	0.00	34.45	3.35	1.14	0.00
31.90	3.35	1.14	0.00	34.50	3.35	1.14	0.00
31.95	3.35	1.14	0.00	34.55	3.35	1.14	0.00
32.00	3.35	1.14	0.00	34.60	3.35	1.14	0.00
32.05	3.35	1.14	0.00	34.65	3.35	1.14	0.00
32.10	3.35	1.14	0.00	34.70	3.35	1.14	0.00
32.15	3.35	1.14	0.00	34.75	3.35	1.14	0.00
32.20	3.35	1.14	0.00	34.80	3.35	1.14	0.00
32.25	3.35	1.14	0.00	34.85	3.35	1.14	0.00
32.30	3.35	1.14	0.00	34.90	3.35	1.14	0.00
32.35	3.35	1.14	0.00	34.95	3.35	1.14	0.00
32.40	3.35	1.14	0.00	35.00	3.35	1.14	0.00
32.45	3.35	1.14	0.00	35.05	3.35	1.14	0.00
32.50	3.35	1.14	0.00	35.10	3.35	1.14	0.00
32.55	3.35	1.14	0.00	35.15	3.35	1.14	0.00
32.60	3.35	1.14	0.00	35.20	3.35	1.14	0.00
32.65	3.35	1.14	0.00	35.25	3.35	1.14	0.00
32.70	3.35	1.14	0.00	35.30	3.35	1.14	0.00
32.75	3.35	1.14	0.00	35.35	3.35	1.14	0.00
32.80	3.35	1.14	0.00	35.40	3.35	1.14	0.00
32.85	3.35	1.14	0.00	35.45	3.35	1.14	0.00
32.90	3.35	1.14	0.00	35.50	3.35	1.14	0.00
32.95	3.35	1.14	0.00	35.55	3.35	1.14	0.00
33.00	3.35	1.14	0.00	35.60	3.35	1.14	0.00
33.05	3.35	1.14	0.00	35.65	3.35	1.14	0.00
33.10	3.35	1.14	0.00	35.70	3.35	1.14	0.00
33.15	3.35	1.14	0.00	35.75	3.35	1.14	0.00
33.20	3.35	1.14	0.00	35.80	3.35	1.14	0.00
33.25	3.35	1.14	0.00	35.85	3.35	1.14	0.00
33.30	3.35	1.14	0.00	35.90	3.35	1.14	0.00
33.35	3.35	1.14	0.00	35.95	3.35	1.14	0.00
33.40	3.35	1.14	0.00	36.00	3.35	1.14	0.00
33.45	3.35	1.14	0.00	36.05	3.35	1.14	0.00
33.50	3.35	1.14	0.00	36.10	3.35	1.14	0.00
33.55	3.35	1.14	0.00	36.15	3.35	1.14	0.00
33.60	3.35	1.14	0.00	36.20	3.35	1.14	0.00
33.65	3.35	1.14	0.00	36.25	3.35	1.14	0.00
33.70	3.35	1.14	0.00	36.30	3.35	1.14	0.00
33.75	3.35	1.14	0.00	36.35	3.35	1.14	0.00

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	1.14	0.00
36.45	3.35	1.14	0.00
36.50	3.35	1.14	0.00
36.55	3.35	1.14	0.00
36.60	3.35	1.14	0.00
36.65	3.35	1.14	0.00
36.70	3.35	1.14	0.00
36.75	3.35	1.14	0.00
36.80	3.35	1.14	0.00
36.85	3.35	1.14	0.00
36.90	3.35	1.14	0.00
36.95	3.35	1.14	0.00
37.00	3.35	1.14	0.00
37.05	3.35	1.14	0.00
37.10	3.35	1.14	0.00
37.15	3.35	1.14	0.00
37.20	3.35	1.14	0.00
37.25	3.35	1.14	0.00
37.30	3.35	1.14	0.00
37.35	3.35	1.14	0.00
37.40	3.35	1.14	0.00
37.45	3.35	1.14	0.00
37.50	3.35	1.14	0.00
37.55	3.35	1.14	0.00
37.60	3.35	1.14	0.00
37.65	3.35	1.14	0.00
37.70	3.35	1.14	0.00
37.75	3.35	1.14	0.00
37.80	3.35	1.14	0.00
37.85	3.35	1.14	0.00
37.90	3.35	1.14	0.00
37.95	3.35	1.14	0.00
38.00	3.35	1.14	0.00
38.05	3.35	1.14	0.00
38.10	3.35	1.14	0.00
38.15	3.35	1.14	0.00
38.20	3.35	1.14	0.00
38.25	3.35	1.14	0.00
38.30	3.35	1.14	0.00
38.35	3.35	1.14	0.00
38.40	3.35	1.14	0.00
38.45	3.35	1.14	0.00
38.50	3.35	1.14	0.00
38.55	3.35	1.14	0.00
38.60	3.35	1.14	0.00
38.65	3.35	1.14	0.00
38.70	3.35	1.14	0.00
38.75	3.35	1.14	0.00
38.80	3.35	1.14	0.00
38.85	3.35	1.14	0.00
38.90	3.35	1.14	0.00
38.95	3.35	1.14	0.00
39.00	3.35	1.14	0.00
39.05	3.35	1.14	0.00
39.10	3.35	1.14	0.00
39.15	3.35	1.14	0.00
39.20	3.35	1.14	0.00
39.25	3.35	1.14	0.00
39.30	3.35	1.14	0.00
39.35	3.35	1.14	0.00
39.40	3.35	1.14	0.00
39.45	3.35	1.14	0.00
39.50	3.35	1.14	0.00
39.55	3.35	1.14	0.00
39.60	3.35	1.14	0.00
39.65	3.35	1.14	0.00
39.70	3.35	1.14	0.00
39.75	3.35	1.14	0.00
39.80	3.35	1.14	0.00
39.85	3.35	1.14	0.00
39.90	3.35	1.14	0.00
39.95	3.35	1.14	0.00
40.00	3.35	1.14	0.00

Summary for Subcatchment 53I: PDA-53 (impervious)

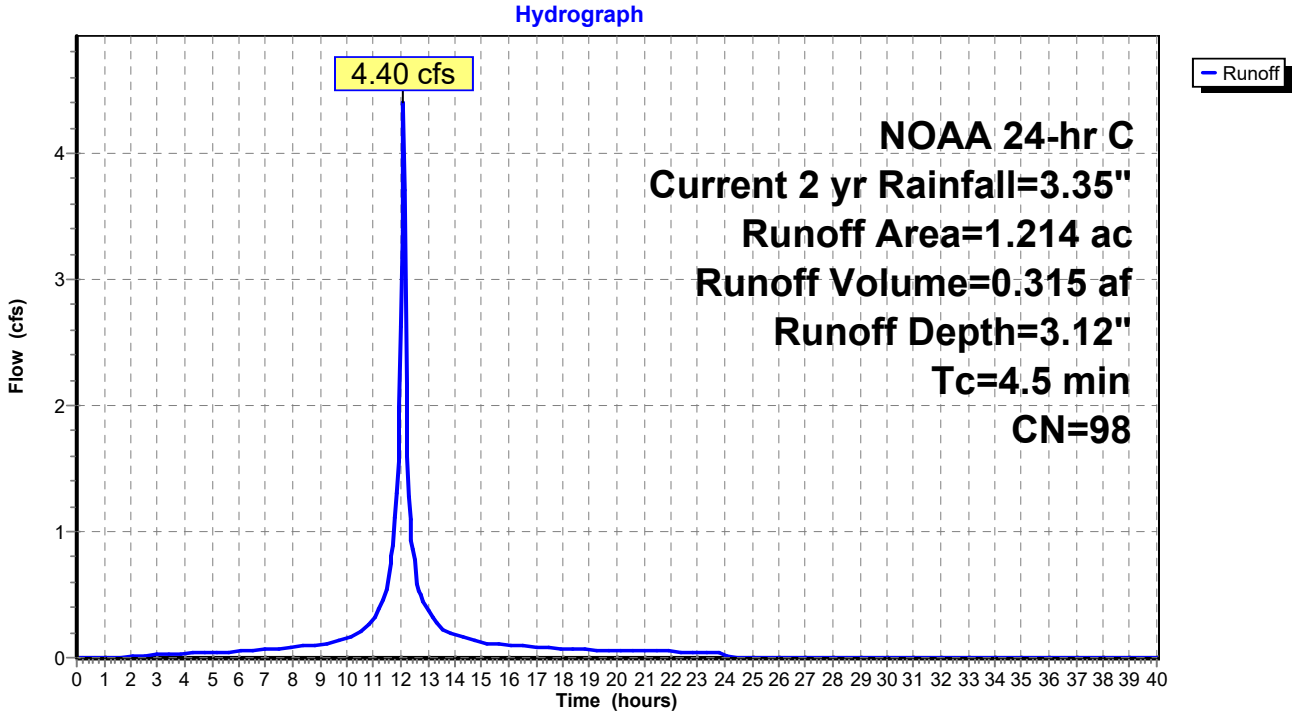
Runoff = 4.40 cfs @ 12.10 hrs, Volume= 0.315 af, Depth= 3.12"
Routed to Pond B-53 : Basin #53

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

	Area (ac)	CN	Description
*	0.628	98	Pavement, HSG C
*	0.450	98	Roof, HSG C
*	0.136	98	Concrete, HSG C
	1.214	98	Weighted Average
	1.214		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
4.5					**Direct Entry,**

Subcatchment 53I: PDA-53 (impervious)



Hydrograph for Subcatchment 53I: PDA-53 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.01	0.02
0.05	0.00	0.00	0.00	2.65	0.10	0.01	0.02
0.10	0.00	0.00	0.00	2.70	0.11	0.02	0.02
0.15	0.01	0.00	0.00	2.75	0.11	0.02	0.02
0.20	0.01	0.00	0.00	2.80	0.11	0.02	0.02
0.25	0.01	0.00	0.00	2.85	0.11	0.02	0.02
0.30	0.01	0.00	0.00	2.90	0.11	0.02	0.02
0.35	0.01	0.00	0.00	2.95	0.12	0.02	0.02
0.40	0.01	0.00	0.00	3.00	0.12	0.02	0.02
0.45	0.02	0.00	0.00	3.05	0.12	0.02	0.03
0.50	0.02	0.00	0.00	3.10	0.12	0.02	0.03
0.55	0.02	0.00	0.00	3.15	0.12	0.02	0.03
0.60	0.02	0.00	0.00	3.20	0.13	0.03	0.03
0.65	0.02	0.00	0.00	3.25	0.13	0.03	0.03
0.70	0.03	0.00	0.00	3.30	0.13	0.03	0.03
0.75	0.03	0.00	0.00	3.35	0.13	0.03	0.03
0.80	0.03	0.00	0.00	3.40	0.14	0.03	0.03
0.85	0.03	0.00	0.00	3.45	0.14	0.03	0.03
0.90	0.03	0.00	0.00	3.50	0.14	0.03	0.03
0.95	0.03	0.00	0.00	3.55	0.14	0.03	0.03
1.00	0.04	0.00	0.00	3.60	0.15	0.04	0.03
1.05	0.04	0.00	0.00	3.65	0.15	0.04	0.03
1.10	0.04	0.00	0.00	3.70	0.15	0.04	0.03
1.15	0.04	0.00	0.00	3.75	0.15	0.04	0.03
1.20	0.04	0.00	0.00	3.80	0.15	0.04	0.03
1.25	0.05	0.00	0.00	3.85	0.16	0.04	0.03
1.30	0.05	0.00	0.00	3.90	0.16	0.04	0.03
1.35	0.05	0.00	0.00	3.95	0.16	0.04	0.03
1.40	0.05	0.00	0.00	4.00	0.16	0.05	0.03
1.45	0.05	0.00	0.00	4.05	0.17	0.05	0.04
1.50	0.06	0.00	0.01	4.10	0.17	0.05	0.04
1.55	0.06	0.00	0.01	4.15	0.17	0.05	0.04
1.60	0.06	0.00	0.01	4.20	0.17	0.05	0.04
1.65	0.06	0.00	0.01	4.25	0.18	0.05	0.04
1.70	0.06	0.00	0.01	4.30	0.18	0.06	0.04
1.75	0.07	0.00	0.01	4.35	0.18	0.06	0.04
1.80	0.07	0.00	0.01	4.40	0.18	0.06	0.04
1.85	0.07	0.00	0.01	4.45	0.19	0.06	0.04
1.90	0.07	0.00	0.01	4.50	0.19	0.06	0.04
1.95	0.07	0.00	0.01	4.55	0.19	0.06	0.04
2.00	0.08	0.01	0.01	4.60	0.19	0.07	0.04
2.05	0.08	0.01	0.01	4.65	0.20	0.07	0.04
2.10	0.08	0.01	0.01	4.70	0.20	0.07	0.04
2.15	0.08	0.01	0.01	4.75	0.20	0.07	0.04
2.20	0.08	0.01	0.02	4.80	0.20	0.07	0.04
2.25	0.09	0.01	0.02	4.85	0.21	0.07	0.04
2.30	0.09	0.01	0.02	4.90	0.21	0.08	0.04
2.35	0.09	0.01	0.02	4.95	0.21	0.08	0.04
2.40	0.09	0.01	0.02	5.00	0.21	0.08	0.04
2.45	0.09	0.01	0.02	5.05	0.22	0.08	0.04
2.50	0.10	0.01	0.02	5.10	0.22	0.08	0.04
2.55	0.10	0.01	0.02	5.15	0.22	0.08	0.04

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.09	0.04	7.80	0.39	0.22	0.08
5.25	0.23	0.09	0.05	7.85	0.39	0.22	0.08
5.30	0.23	0.09	0.05	7.90	0.39	0.22	0.08
5.35	0.23	0.09	0.05	7.95	0.40	0.23	0.08
5.40	0.23	0.09	0.05	8.00	0.40	0.23	0.09
5.45	0.24	0.10	0.05	8.05	0.41	0.23	0.09
5.50	0.24	0.10	0.05	8.10	0.41	0.24	0.09
5.55	0.24	0.10	0.05	8.15	0.41	0.24	0.09
5.60	0.24	0.10	0.05	8.20	0.42	0.24	0.09
5.65	0.25	0.10	0.05	8.25	0.42	0.25	0.09
5.70	0.25	0.11	0.05	8.30	0.43	0.25	0.09
5.75	0.25	0.11	0.05	8.35	0.43	0.26	0.09
5.80	0.25	0.11	0.05	8.40	0.43	0.26	0.09
5.85	0.26	0.11	0.05	8.45	0.44	0.26	0.09
5.90	0.26	0.11	0.05	8.50	0.44	0.27	0.09
5.95	0.26	0.12	0.05	8.55	0.45	0.27	0.10
6.00	0.27	0.12	0.05	8.60	0.45	0.28	0.10
6.05	0.27	0.12	0.05	8.65	0.46	0.28	0.10
6.10	0.27	0.12	0.05	8.70	0.46	0.28	0.10
6.15	0.27	0.12	0.05	8.75	0.47	0.29	0.10
6.20	0.28	0.13	0.05	8.80	0.47	0.29	0.10
6.25	0.28	0.13	0.05	8.85	0.48	0.30	0.10
6.30	0.28	0.13	0.06	8.90	0.48	0.30	0.10
6.35	0.29	0.13	0.06	8.95	0.48	0.30	0.10
6.40	0.29	0.14	0.06	9.00	0.49	0.31	0.10
6.45	0.29	0.14	0.06	9.05	0.49	0.31	0.11
6.50	0.29	0.14	0.06	9.10	0.50	0.32	0.11
6.55	0.30	0.14	0.06	9.15	0.50	0.32	0.11
6.60	0.30	0.15	0.06	9.20	0.51	0.33	0.11
6.65	0.30	0.15	0.06	9.25	0.51	0.33	0.12
6.70	0.31	0.15	0.06	9.30	0.52	0.34	0.12
6.75	0.31	0.15	0.06	9.35	0.53	0.34	0.12
6.80	0.31	0.16	0.06	9.40	0.53	0.35	0.13
6.85	0.32	0.16	0.06	9.45	0.54	0.35	0.13
6.90	0.32	0.16	0.07	9.50	0.54	0.36	0.13
6.95	0.32	0.16	0.07	9.55	0.55	0.36	0.14
7.00	0.33	0.17	0.07	9.60	0.56	0.37	0.14
7.05	0.33	0.17	0.07	9.65	0.56	0.38	0.14
7.10	0.33	0.17	0.07	9.70	0.57	0.38	0.14
7.15	0.34	0.18	0.07	9.75	0.58	0.39	0.15
7.20	0.34	0.18	0.07	9.80	0.58	0.39	0.15
7.25	0.34	0.18	0.07	9.85	0.59	0.40	0.15
7.30	0.35	0.18	0.07	9.90	0.60	0.41	0.16
7.35	0.35	0.19	0.07	9.95	0.60	0.41	0.16
7.40	0.35	0.19	0.07	10.00	0.61	0.42	0.16
7.45	0.36	0.19	0.08	10.05	0.62	0.43	0.17
7.50	0.36	0.20	0.08	10.10	0.63	0.43	0.17
7.55	0.37	0.20	0.08	10.15	0.63	0.44	0.17
7.60	0.37	0.20	0.08	10.20	0.64	0.45	0.18
7.65	0.37	0.21	0.08	10.25	0.65	0.46	0.18
7.70	0.38	0.21	0.08	10.30	0.66	0.46	0.18
7.75	0.38	0.21	0.08	10.35	0.67	0.47	0.18

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.48	0.19	13.00	2.55	2.32	0.37
10.45	0.68	0.49	0.19	13.05	2.56	2.33	0.35
10.50	0.69	0.49	0.19	13.10	2.57	2.34	0.33
10.55	0.70	0.50	0.20	13.15	2.58	2.36	0.32
10.60	0.71	0.51	0.21	13.20	2.60	2.37	0.30
10.65	0.72	0.52	0.22	13.25	2.61	2.38	0.29
10.70	0.73	0.53	0.24	13.30	2.62	2.39	0.28
10.75	0.74	0.54	0.25	13.35	2.63	2.40	0.27
10.80	0.75	0.55	0.26	13.40	2.64	2.41	0.26
10.85	0.77	0.57	0.27	13.45	2.65	2.42	0.25
10.90	0.78	0.58	0.28	13.50	2.66	2.43	0.23
10.95	0.79	0.59	0.29	13.55	2.67	2.44	0.22
11.00	0.80	0.60	0.31	13.60	2.68	2.45	0.21
11.05	0.82	0.62	0.32	13.65	2.68	2.45	0.21
11.10	0.83	0.63	0.35	13.70	2.69	2.46	0.20
11.15	0.85	0.65	0.37	13.75	2.70	2.47	0.20
11.20	0.87	0.66	0.39	13.80	2.71	2.48	0.19
11.25	0.89	0.68	0.41	13.85	2.72	2.49	0.19
11.30	0.91	0.70	0.43	13.90	2.72	2.49	0.19
11.35	0.93	0.72	0.45	13.95	2.73	2.50	0.19
11.40	0.95	0.74	0.48	14.00	2.74	2.51	0.18
11.45	0.97	0.76	0.49	14.05	2.75	2.52	0.18
11.50	0.99	0.78	0.51	14.10	2.75	2.52	0.18
11.55	1.02	0.81	0.61	14.15	2.76	2.53	0.17
11.60	1.06	0.85	0.76	14.20	2.77	2.54	0.17
11.65	1.09	0.88	0.81	14.25	2.77	2.54	0.17
11.70	1.13	0.92	0.84	14.30	2.78	2.55	0.16
11.75	1.18	0.96	0.95	14.35	2.79	2.56	0.16
11.80	1.23	1.01	1.12	14.40	2.79	2.56	0.16
11.85	1.29	1.08	1.30	14.45	2.80	2.57	0.16
11.90	1.36	1.14	1.55	14.50	2.81	2.58	0.15
11.95	1.48	1.26	1.99	14.55	2.81	2.58	0.15
12.00	1.60	1.38	2.62	14.60	2.82	2.59	0.15
12.05	1.79	1.57	3.38	14.65	2.82	2.59	0.14
12.10	1.99	1.76	**4.39**	14.70	2.83	2.60	0.14
12.15	2.06	1.83	3.71	14.75	2.84	2.60	0.14
12.20	2.12	1.90	2.16	14.80	2.84	2.61	0.13
12.25	2.17	1.95	1.60	14.85	2.85	2.61	0.13
12.30	2.22	1.99	1.28	14.90	2.85	2.62	0.13
12.35	2.26	2.03	1.10	14.95	2.86	2.62	0.12
12.40	2.29	2.06	0.92	15.00	2.86	2.63	0.12
12.45	2.33	2.10	0.86	15.05	2.87	2.63	0.12
12.50	2.36	2.13	0.83	15.10	2.87	2.64	0.12
12.55	2.38	2.15	0.73	15.15	2.87	2.64	0.11
12.60	2.40	2.18	0.58	15.20	2.88	2.65	0.11
12.65	2.42	2.20	0.53	15.25	2.88	2.65	0.11
12.70	2.44	2.22	0.51	15.30	2.89	2.66	0.11
12.75	2.46	2.23	0.49	15.35	2.89	2.66	0.11
12.80	2.48	2.25	0.46	15.40	2.90	2.67	0.11
12.85	2.50	2.27	0.44	15.45	2.90	2.67	0.11
12.90	2.52	2.29	0.42	15.50	2.91	2.68	0.11
12.95	2.53	2.30	0.40	15.55	2.91	2.68	0.11

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	2.68	0.11	18.20	3.10	2.86	0.07
15.65	2.92	2.69	0.11	18.25	3.10	2.87	0.07
15.70	2.92	2.69	0.10	18.30	3.10	2.87	0.07
15.75	2.93	2.70	0.10	18.35	3.10	2.87	0.06
15.80	2.93	2.70	0.10	18.40	3.11	2.87	0.06
15.85	2.94	2.70	0.10	18.45	3.11	2.88	0.06
15.90	2.94	2.71	0.10	18.50	3.11	2.88	0.06
15.95	2.94	2.71	0.10	18.55	3.11	2.88	0.06
16.00	2.95	2.72	0.10	18.60	3.12	2.88	0.06
16.05	2.95	2.72	0.10	18.65	3.12	2.89	0.06
16.10	2.96	2.73	0.10	18.70	3.12	2.89	0.06
16.15	2.96	2.73	0.10	18.75	3.12	2.89	0.06
16.20	2.96	2.73	0.10	18.80	3.13	2.89	0.06
16.25	2.97	2.74	0.10	18.85	3.13	2.90	0.06
16.30	2.97	2.74	0.10	18.90	3.13	2.90	0.06
16.35	2.98	2.74	0.09	18.95	3.13	2.90	0.06
16.40	2.98	2.75	0.09	19.00	3.14	2.90	0.06
16.45	2.98	2.75	0.09	19.05	3.14	2.91	0.06
16.50	2.99	2.76	0.09	19.10	3.14	2.91	0.06
16.55	2.99	2.76	0.09	19.15	3.14	2.91	0.06
16.60	3.00	2.76	0.09	19.20	3.15	2.91	0.06
16.65	3.00	2.77	0.09	19.25	3.15	2.92	0.06
16.70	3.00	2.77	0.09	19.30	3.15	2.92	0.06
16.75	3.01	2.77	0.09	19.35	3.15	2.92	0.06
16.80	3.01	2.78	0.09	19.40	3.16	2.92	0.06
16.85	3.01	2.78	0.09	19.45	3.16	2.93	0.06
16.90	3.02	2.78	0.09	19.50	3.16	2.93	0.06
16.95	3.02	2.79	0.08	19.55	3.16	2.93	0.06
17.00	3.02	2.79	0.08	19.60	3.17	2.93	0.06
17.05	3.03	2.79	0.08	19.65	3.17	2.94	0.06
17.10	3.03	2.80	0.08	19.70	3.17	2.94	0.06
17.15	3.03	2.80	0.08	19.75	3.17	2.94	0.06
17.20	3.04	2.80	0.08	19.80	3.18	2.94	0.06
17.25	3.04	2.81	0.08	19.85	3.18	2.95	0.06
17.30	3.04	2.81	0.08	19.90	3.18	2.95	0.06
17.35	3.05	2.81	0.08	19.95	3.18	2.95	0.06
17.40	3.05	2.82	0.08	20.00	3.19	2.95	0.06
17.45	3.05	2.82	0.08	20.05	3.19	2.96	0.06
17.50	3.06	2.82	0.08	20.10	3.19	2.96	0.06
17.55	3.06	2.83	0.08	20.15	3.19	2.96	0.06
17.60	3.06	2.83	0.07	20.20	3.20	2.96	0.06
17.65	3.06	2.83	0.07	20.25	3.20	2.97	0.06
17.70	3.07	2.84	0.07	20.30	3.20	2.97	0.06
17.75	3.07	2.84	0.07	20.35	3.20	2.97	0.06
17.80	3.07	2.84	0.07	20.40	3.20	2.97	0.06
17.85	3.08	2.84	0.07	20.45	3.21	2.97	0.06
17.90	3.08	2.85	0.07	20.50	3.21	2.98	0.06
17.95	3.08	2.85	0.07	20.55	3.21	2.98	0.06
18.00	3.08	2.85	0.07	20.60	3.21	2.98	0.06
18.05	3.09	2.86	0.07	20.65	3.22	2.98	0.06
18.10	3.09	2.86	0.07	20.70	3.22	2.99	0.06
18.15	3.09	2.86	0.07	20.75	3.22	2.99	0.06

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	2.99	0.05	23.40	3.33	3.10	0.04
20.85	3.23	2.99	0.05	23.45	3.33	3.10	0.04
20.90	3.23	2.99	0.05	23.50	3.33	3.10	0.04
20.95	3.23	3.00	0.05	23.55	3.33	3.10	0.04
21.00	3.23	3.00	0.05	23.60	3.34	3.10	0.04
21.05	3.23	3.00	0.05	23.65	3.34	3.10	0.04
21.10	3.24	3.00	0.05	23.70	3.34	3.11	0.04
21.15	3.24	3.01	0.05	23.75	3.34	3.11	0.04
21.20	3.24	3.01	0.05	23.80	3.34	3.11	0.04
21.25	3.24	3.01	0.05	23.85	3.34	3.11	0.04
21.30	3.24	3.01	0.05	23.90	3.35	3.11	0.04
21.35	3.25	3.01	0.05	23.95	3.35	3.11	0.05
21.40	3.25	3.02	0.05	24.00	**3.35**	**3.12**	0.05
21.45	3.25	3.02	0.05	24.05	3.35	3.12	0.04
21.50	3.25	3.02	0.05	24.10	3.35	3.12	0.01
21.55	3.26	3.02	0.05	24.15	3.35	3.12	0.00
21.60	3.26	3.02	0.05	24.20	3.35	3.12	0.00
21.65	3.26	3.03	0.05	24.25	3.35	3.12	0.00
21.70	3.26	3.03	0.05	24.30	3.35	3.12	0.00
21.75	3.26	3.03	0.05	24.35	3.35	3.12	0.00
21.80	3.27	3.03	0.05	24.40	3.35	3.12	0.00
21.85	3.27	3.04	0.05	24.45	3.35	3.12	0.00
21.90	3.27	3.04	0.05	24.50	3.35	3.12	0.00
21.95	3.27	3.04	0.05	24.55	3.35	3.12	0.00
22.00	3.27	3.04	0.05	24.60	3.35	3.12	0.00
22.05	3.28	3.04	0.05	24.65	3.35	3.12	0.00
22.10	3.28	3.05	0.05	24.70	3.35	3.12	0.00
22.15	3.28	3.05	0.05	24.75	3.35	3.12	0.00
22.20	3.28	3.05	0.05	24.80	3.35	3.12	0.00
22.25	3.28	3.05	0.05	24.85	3.35	3.12	0.00
22.30	3.29	3.05	0.05	24.90	3.35	3.12	0.00
22.35	3.29	3.06	0.05	24.95	3.35	3.12	0.00
22.40	3.29	3.06	0.05	25.00	3.35	3.12	0.00
22.45	3.29	3.06	0.05	25.05	3.35	3.12	0.00
22.50	3.29	3.06	0.05	25.10	3.35	3.12	0.00
22.55	3.30	3.06	0.05	25.15	3.35	3.12	0.00
22.60	3.30	3.07	0.05	25.20	3.35	3.12	0.00
22.65	3.30	3.07	0.05	25.25	3.35	3.12	0.00
22.70	3.30	3.07	0.05	25.30	3.35	3.12	0.00
22.75	3.30	3.07	0.05	25.35	3.35	3.12	0.00
22.80	3.31	3.07	0.05	25.40	3.35	3.12	0.00
22.85	3.31	3.07	0.05	25.45	3.35	3.12	0.00
22.90	3.31	3.08	0.05	25.50	3.35	3.12	0.00
22.95	3.31	3.08	0.05	25.55	3.35	3.12	0.00
23.00	3.31	3.08	0.05	25.60	3.35	3.12	0.00
23.05	3.32	3.08	0.05	25.65	3.35	3.12	0.00
23.10	3.32	3.08	0.05	25.70	3.35	3.12	0.00
23.15	3.32	3.09	0.05	25.75	3.35	3.12	0.00
23.20	3.32	3.09	0.05	25.80	3.35	3.12	0.00
23.25	3.32	3.09	0.04	25.85	3.35	3.12	0.00
23.30	3.32	3.09	0.04	25.90	3.35	3.12	0.00
23.35	3.33	3.09	0.04	25.95	3.35	3.12	0.00

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	3.12	0.00	28.60	3.35	3.12	0.00
26.05	3.35	3.12	0.00	28.65	3.35	3.12	0.00
26.10	3.35	3.12	0.00	28.70	3.35	3.12	0.00
26.15	3.35	3.12	0.00	28.75	3.35	3.12	0.00
26.20	3.35	3.12	0.00	28.80	3.35	3.12	0.00
26.25	3.35	3.12	0.00	28.85	3.35	3.12	0.00
26.30	3.35	3.12	0.00	28.90	3.35	3.12	0.00
26.35	3.35	3.12	0.00	28.95	3.35	3.12	0.00
26.40	3.35	3.12	0.00	29.00	3.35	3.12	0.00
26.45	3.35	3.12	0.00	29.05	3.35	3.12	0.00
26.50	3.35	3.12	0.00	29.10	3.35	3.12	0.00
26.55	3.35	3.12	0.00	29.15	3.35	3.12	0.00
26.60	3.35	3.12	0.00	29.20	3.35	3.12	0.00
26.65	3.35	3.12	0.00	29.25	3.35	3.12	0.00
26.70	3.35	3.12	0.00	29.30	3.35	3.12	0.00
26.75	3.35	3.12	0.00	29.35	3.35	3.12	0.00
26.80	3.35	3.12	0.00	29.40	3.35	3.12	0.00
26.85	3.35	3.12	0.00	29.45	3.35	3.12	0.00
26.90	3.35	3.12	0.00	29.50	3.35	3.12	0.00
26.95	3.35	3.12	0.00	29.55	3.35	3.12	0.00
27.00	3.35	3.12	0.00	29.60	3.35	3.12	0.00
27.05	3.35	3.12	0.00	29.65	3.35	3.12	0.00
27.10	3.35	3.12	0.00	29.70	3.35	3.12	0.00
27.15	3.35	3.12	0.00	29.75	3.35	3.12	0.00
27.20	3.35	3.12	0.00	29.80	3.35	3.12	0.00
27.25	3.35	3.12	0.00	29.85	3.35	3.12	0.00
27.30	3.35	3.12	0.00	29.90	3.35	3.12	0.00
27.35	3.35	3.12	0.00	29.95	3.35	3.12	0.00
27.40	3.35	3.12	0.00	30.00	3.35	3.12	0.00
27.45	3.35	3.12	0.00	30.05	3.35	3.12	0.00
27.50	3.35	3.12	0.00	30.10	3.35	3.12	0.00
27.55	3.35	3.12	0.00	30.15	3.35	3.12	0.00
27.60	3.35	3.12	0.00	30.20	3.35	3.12	0.00
27.65	3.35	3.12	0.00	30.25	3.35	3.12	0.00
27.70	3.35	3.12	0.00	30.30	3.35	3.12	0.00
27.75	3.35	3.12	0.00	30.35	3.35	3.12	0.00
27.80	3.35	3.12	0.00	30.40	3.35	3.12	0.00
27.85	3.35	3.12	0.00	30.45	3.35	3.12	0.00
27.90	3.35	3.12	0.00	30.50	3.35	3.12	0.00
27.95	3.35	3.12	0.00	30.55	3.35	3.12	0.00
28.00	3.35	3.12	0.00	30.60	3.35	3.12	0.00
28.05	3.35	3.12	0.00	30.65	3.35	3.12	0.00
28.10	3.35	3.12	0.00	30.70	3.35	3.12	0.00
28.15	3.35	3.12	0.00	30.75	3.35	3.12	0.00
28.20	3.35	3.12	0.00	30.80	3.35	3.12	0.00
28.25	3.35	3.12	0.00	30.85	3.35	3.12	0.00
28.30	3.35	3.12	0.00	30.90	3.35	3.12	0.00
28.35	3.35	3.12	0.00	30.95	3.35	3.12	0.00
28.40	3.35	3.12	0.00	31.00	3.35	3.12	0.00
28.45	3.35	3.12	0.00	31.05	3.35	3.12	0.00
28.50	3.35	3.12	0.00	31.10	3.35	3.12	0.00
28.55	3.35	3.12	0.00	31.15	3.35	3.12	0.00

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	3.12	0.00	33.80	3.35	3.12	0.00
31.25	3.35	3.12	0.00	33.85	3.35	3.12	0.00
31.30	3.35	3.12	0.00	33.90	3.35	3.12	0.00
31.35	3.35	3.12	0.00	33.95	3.35	3.12	0.00
31.40	3.35	3.12	0.00	34.00	3.35	3.12	0.00
31.45	3.35	3.12	0.00	34.05	3.35	3.12	0.00
31.50	3.35	3.12	0.00	34.10	3.35	3.12	0.00
31.55	3.35	3.12	0.00	34.15	3.35	3.12	0.00
31.60	3.35	3.12	0.00	34.20	3.35	3.12	0.00
31.65	3.35	3.12	0.00	34.25	3.35	3.12	0.00
31.70	3.35	3.12	0.00	34.30	3.35	3.12	0.00
31.75	3.35	3.12	0.00	34.35	3.35	3.12	0.00
31.80	3.35	3.12	0.00	34.40	3.35	3.12	0.00
31.85	3.35	3.12	0.00	34.45	3.35	3.12	0.00
31.90	3.35	3.12	0.00	34.50	3.35	3.12	0.00
31.95	3.35	3.12	0.00	34.55	3.35	3.12	0.00
32.00	3.35	3.12	0.00	34.60	3.35	3.12	0.00
32.05	3.35	3.12	0.00	34.65	3.35	3.12	0.00
32.10	3.35	3.12	0.00	34.70	3.35	3.12	0.00
32.15	3.35	3.12	0.00	34.75	3.35	3.12	0.00
32.20	3.35	3.12	0.00	34.80	3.35	3.12	0.00
32.25	3.35	3.12	0.00	34.85	3.35	3.12	0.00
32.30	3.35	3.12	0.00	34.90	3.35	3.12	0.00
32.35	3.35	3.12	0.00	34.95	3.35	3.12	0.00
32.40	3.35	3.12	0.00	35.00	3.35	3.12	0.00
32.45	3.35	3.12	0.00	35.05	3.35	3.12	0.00
32.50	3.35	3.12	0.00	35.10	3.35	3.12	0.00
32.55	3.35	3.12	0.00	35.15	3.35	3.12	0.00
32.60	3.35	3.12	0.00	35.20	3.35	3.12	0.00
32.65	3.35	3.12	0.00	35.25	3.35	3.12	0.00
32.70	3.35	3.12	0.00	35.30	3.35	3.12	0.00
32.75	3.35	3.12	0.00	35.35	3.35	3.12	0.00
32.80	3.35	3.12	0.00	35.40	3.35	3.12	0.00
32.85	3.35	3.12	0.00	35.45	3.35	3.12	0.00
32.90	3.35	3.12	0.00	35.50	3.35	3.12	0.00
32.95	3.35	3.12	0.00	35.55	3.35	3.12	0.00
33.00	3.35	3.12	0.00	35.60	3.35	3.12	0.00
33.05	3.35	3.12	0.00	35.65	3.35	3.12	0.00
33.10	3.35	3.12	0.00	35.70	3.35	3.12	0.00
33.15	3.35	3.12	0.00	35.75	3.35	3.12	0.00
33.20	3.35	3.12	0.00	35.80	3.35	3.12	0.00
33.25	3.35	3.12	0.00	35.85	3.35	3.12	0.00
33.30	3.35	3.12	0.00	35.90	3.35	3.12	0.00
33.35	3.35	3.12	0.00	35.95	3.35	3.12	0.00
33.40	3.35	3.12	0.00	36.00	3.35	3.12	0.00
33.45	3.35	3.12	0.00	36.05	3.35	3.12	0.00
33.50	3.35	3.12	0.00	36.10	3.35	3.12	0.00
33.55	3.35	3.12	0.00	36.15	3.35	3.12	0.00
33.60	3.35	3.12	0.00	36.20	3.35	3.12	0.00
33.65	3.35	3.12	0.00	36.25	3.35	3.12	0.00
33.70	3.35	3.12	0.00	36.30	3.35	3.12	0.00
33.75	3.35	3.12	0.00	36.35	3.35	3.12	0.00

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	3.12	0.00
36.45	3.35	3.12	0.00
36.50	3.35	3.12	0.00
36.55	3.35	3.12	0.00
36.60	3.35	3.12	0.00
36.65	3.35	3.12	0.00
36.70	3.35	3.12	0.00
36.75	3.35	3.12	0.00
36.80	3.35	3.12	0.00
36.85	3.35	3.12	0.00
36.90	3.35	3.12	0.00
36.95	3.35	3.12	0.00
37.00	3.35	3.12	0.00
37.05	3.35	3.12	0.00
37.10	3.35	3.12	0.00
37.15	3.35	3.12	0.00
37.20	3.35	3.12	0.00
37.25	3.35	3.12	0.00
37.30	3.35	3.12	0.00
37.35	3.35	3.12	0.00
37.40	3.35	3.12	0.00
37.45	3.35	3.12	0.00
37.50	3.35	3.12	0.00
37.55	3.35	3.12	0.00
37.60	3.35	3.12	0.00
37.65	3.35	3.12	0.00
37.70	3.35	3.12	0.00
37.75	3.35	3.12	0.00
37.80	3.35	3.12	0.00
37.85	3.35	3.12	0.00
37.90	3.35	3.12	0.00
37.95	3.35	3.12	0.00
38.00	3.35	3.12	0.00
38.05	3.35	3.12	0.00
38.10	3.35	3.12	0.00
38.15	3.35	3.12	0.00
38.20	3.35	3.12	0.00
38.25	3.35	3.12	0.00
38.30	3.35	3.12	0.00
38.35	3.35	3.12	0.00
38.40	3.35	3.12	0.00
38.45	3.35	3.12	0.00
38.50	3.35	3.12	0.00
38.55	3.35	3.12	0.00
38.60	3.35	3.12	0.00
38.65	3.35	3.12	0.00
38.70	3.35	3.12	0.00
38.75	3.35	3.12	0.00
38.80	3.35	3.12	0.00
38.85	3.35	3.12	0.00
38.90	3.35	3.12	0.00
38.95	3.35	3.12	0.00
39.00	3.35	3.12	0.00
39.05	3.35	3.12	0.00
39.10	3.35	3.12	0.00
39.15	3.35	3.12	0.00
39.20	3.35	3.12	0.00
39.25	3.35	3.12	0.00
39.30	3.35	3.12	0.00
39.35	3.35	3.12	0.00
39.40	3.35	3.12	0.00
39.45	3.35	3.12	0.00
39.50	3.35	3.12	0.00
39.55	3.35	3.12	0.00
39.60	3.35	3.12	0.00
39.65	3.35	3.12	0.00
39.70	3.35	3.12	0.00
39.75	3.35	3.12	0.00
39.80	3.35	3.12	0.00
39.85	3.35	3.12	0.00
39.90	3.35	3.12	0.00
39.95	3.35	3.12	0.00
40.00	3.35	3.12	0.00

Summary for Subcatchment 53P: PDA-53 (pervious)

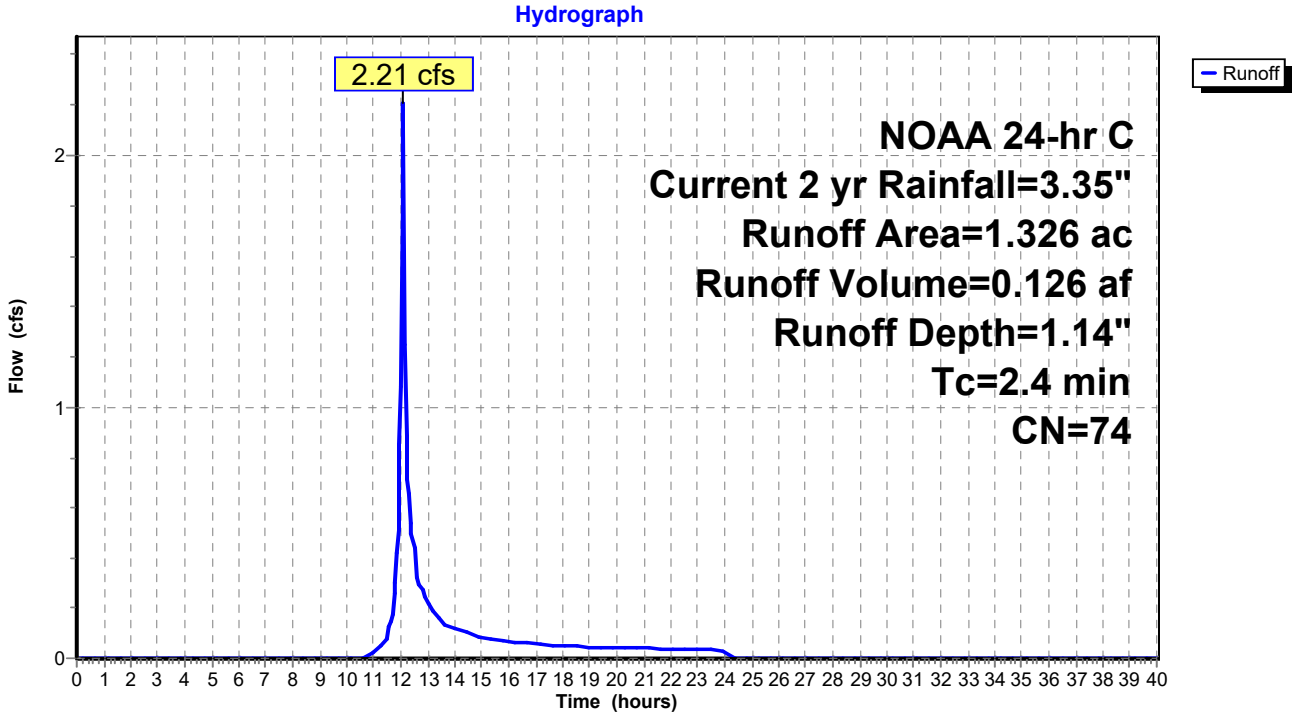
Runoff = 2.21 cfs @ 12.09 hrs, Volume= 0.126 af, Depth= 1.14"
Routed to Pond B-53 : Basin #53

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
1.326	74	>75% Grass cover, Good, HSG C
1.326		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.4					**Direct Entry,**

Subcatchment 53P: PDA-53 (pervious)



Hydrograph for Subcatchment 53P: PDA-53 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.63	0.23
10.45	0.68	0.00	0.00	13.05	2.56	0.64	0.21
10.50	0.69	0.00	0.00	13.10	2.57	0.65	0.20
10.55	0.70	0.00	0.00	13.15	2.58	0.66	0.19
10.60	0.71	0.00	0.00	13.20	2.60	0.66	0.19
10.65	0.72	0.00	0.00	13.25	2.61	0.67	0.18
10.70	0.73	0.00	0.00	13.30	2.62	0.68	0.18
10.75	0.74	0.00	0.01	13.35	2.63	0.68	0.17
10.80	0.75	0.00	0.01	13.40	2.64	0.69	0.16
10.85	0.77	0.00	0.01	13.45	2.65	0.69	0.15
10.90	0.78	0.00	0.01	13.50	2.66	0.70	0.15
10.95	0.79	0.00	0.02	13.55	2.67	0.70	0.14
11.00	0.80	0.00	0.02	13.60	2.68	0.71	0.13
11.05	0.82	0.00	0.02	13.65	2.68	0.71	0.13
11.10	0.83	0.00	0.03	13.70	2.69	0.72	0.13
11.15	0.85	0.01	0.03	13.75	2.70	0.72	0.13
11.20	0.87	0.01	0.04	13.80	2.71	0.73	0.13
11.25	0.89	0.01	0.04	13.85	2.72	0.73	0.12
11.30	0.91	0.01	0.05	13.90	2.72	0.74	0.12
11.35	0.93	0.01	0.06	13.95	2.73	0.74	0.12
11.40	0.95	0.02	0.06	14.00	2.74	0.75	0.12
11.45	0.97	0.02	0.07	14.05	2.75	0.75	0.12
11.50	0.99	0.02	0.08	14.10	2.75	0.76	0.12
11.55	1.02	0.03	0.12	14.15	2.76	0.76	0.11
11.60	1.06	0.03	0.15	14.20	2.77	0.76	0.11
11.65	1.09	0.04	0.17	14.25	2.77	0.77	0.11
11.70	1.13	0.05	0.19	14.30	2.78	0.77	0.11
11.75	1.18	0.06	0.26	14.35	2.79	0.78	0.11
11.80	1.23	0.07	0.30	14.40	2.79	0.78	0.10
11.85	1.29	0.09	0.42	14.45	2.80	0.78	0.10
11.90	1.36	0.10	0.51	14.50	2.81	0.79	0.10
11.95	1.48	0.14	0.85	14.55	2.81	0.79	0.10
12.00	1.60	0.18	1.08	14.60	2.82	0.80	0.10
12.05	1.79	0.26	1.79	14.65	2.82	0.80	0.09
12.10	1.99	0.34	**2.18**	14.70	2.83	0.80	0.09
12.15	2.06	0.38	1.25	14.75	2.84	0.81	0.09
12.20	2.12	0.41	0.88	14.80	2.84	0.81	0.09
12.25	2.17	0.43	0.71	14.85	2.85	0.81	0.09
12.30	2.22	0.46	0.66	14.90	2.85	0.82	0.09
12.35	2.26	0.48	0.54	14.95	2.86	0.82	0.08
12.40	2.29	0.50	0.50	15.00	2.86	0.82	0.08
12.45	2.33	0.51	0.48	15.05	2.87	0.82	0.08
12.50	2.36	0.53	0.48	15.10	2.87	0.83	0.08
12.55	2.38	0.54	0.36	15.15	2.87	0.83	0.08
12.60	2.40	0.55	0.32	15.20	2.88	0.83	0.08
12.65	2.42	0.57	0.30	15.25	2.88	0.84	0.08
12.70	2.44	0.58	0.30	15.30	2.89	0.84	0.08
12.75	2.46	0.59	0.28	15.35	2.89	0.84	0.07
12.80	2.48	0.60	0.28	15.40	2.90	0.84	0.07
12.85	2.50	0.61	0.26	15.45	2.90	0.85	0.07
12.90	2.52	0.62	0.25	15.50	2.91	0.85	0.07
12.95	2.53	0.63	0.24	15.55	2.91	0.85	0.07

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.85	0.07	18.20	3.10	0.97	0.05
15.65	2.92	0.86	0.07	18.25	3.10	0.97	0.05
15.70	2.92	0.86	0.07	18.30	3.10	0.97	0.05
15.75	2.93	0.86	0.07	18.35	3.10	0.97	0.05
15.80	2.93	0.87	0.07	18.40	3.11	0.98	0.05
15.85	2.94	0.87	0.07	18.45	3.11	0.98	0.05
15.90	2.94	0.87	0.07	18.50	3.11	0.98	0.05
15.95	2.94	0.87	0.07	18.55	3.11	0.98	0.05
16.00	2.95	0.88	0.07	18.60	3.12	0.98	0.05
16.05	2.95	0.88	0.07	18.65	3.12	0.98	0.05
16.10	2.96	0.88	0.07	18.70	3.12	0.99	0.05
16.15	2.96	0.88	0.07	18.75	3.12	0.99	0.04
16.20	2.96	0.89	0.07	18.80	3.13	0.99	0.04
16.25	2.97	0.89	0.07	18.85	3.13	0.99	0.04
16.30	2.97	0.89	0.07	18.90	3.13	0.99	0.04
16.35	2.98	0.89	0.06	18.95	3.13	0.99	0.04
16.40	2.98	0.90	0.06	19.00	3.14	1.00	0.04
16.45	2.98	0.90	0.06	19.05	3.14	1.00	0.04
16.50	2.99	0.90	0.06	19.10	3.14	1.00	0.04
16.55	2.99	0.90	0.06	19.15	3.14	1.00	0.04
16.60	3.00	0.91	0.06	19.20	3.15	1.00	0.04
16.65	3.00	0.91	0.06	19.25	3.15	1.00	0.04
16.70	3.00	0.91	0.06	19.30	3.15	1.01	0.04
16.75	3.01	0.91	0.06	19.35	3.15	1.01	0.04
16.80	3.01	0.91	0.06	19.40	3.16	1.01	0.04
16.85	3.01	0.92	0.06	19.45	3.16	1.01	0.04
16.90	3.02	0.92	0.06	19.50	3.16	1.01	0.04
16.95	3.02	0.92	0.06	19.55	3.16	1.01	0.04
17.00	3.02	0.92	0.06	19.60	3.17	1.02	0.04
17.05	3.03	0.93	0.06	19.65	3.17	1.02	0.04
17.10	3.03	0.93	0.06	19.70	3.17	1.02	0.04
17.15	3.03	0.93	0.06	19.75	3.17	1.02	0.04
17.20	3.04	0.93	0.06	19.80	3.18	1.02	0.04
17.25	3.04	0.93	0.06	19.85	3.18	1.02	0.04
17.30	3.04	0.94	0.05	19.90	3.18	1.03	0.04
17.35	3.05	0.94	0.05	19.95	3.18	1.03	0.04
17.40	3.05	0.94	0.05	20.00	3.19	1.03	0.04
17.45	3.05	0.94	0.05	20.05	3.19	1.03	0.04
17.50	3.06	0.94	0.05	20.10	3.19	1.03	0.04
17.55	3.06	0.95	0.05	20.15	3.19	1.03	0.04
17.60	3.06	0.95	0.05	20.20	3.20	1.03	0.04
17.65	3.06	0.95	0.05	20.25	3.20	1.04	0.04
17.70	3.07	0.95	0.05	20.30	3.20	1.04	0.04
17.75	3.07	0.95	0.05	20.35	3.20	1.04	0.04
17.80	3.07	0.96	0.05	20.40	3.20	1.04	0.04
17.85	3.08	0.96	0.05	20.45	3.21	1.04	0.04
17.90	3.08	0.96	0.05	20.50	3.21	1.04	0.04
17.95	3.08	0.96	0.05	20.55	3.21	1.05	0.04
18.00	3.08	0.96	0.05	20.60	3.21	1.05	0.04
18.05	3.09	0.96	0.05	20.65	3.22	1.05	0.04
18.10	3.09	0.97	0.05	20.70	3.22	1.05	0.04
18.15	3.09	0.97	0.05	20.75	3.22	1.05	0.04

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	1.05	0.04	23.40	3.33	1.12	0.03
20.85	3.23	1.05	0.04	23.45	3.33	1.12	0.03
20.90	3.23	1.06	0.04	23.50	3.33	1.13	0.03
20.95	3.23	1.06	0.04	23.55	3.33	1.13	0.03
21.00	3.23	1.06	0.04	23.60	3.34	1.13	0.03
21.05	3.23	1.06	0.04	23.65	3.34	1.13	0.03
21.10	3.24	1.06	0.04	23.70	3.34	1.13	0.03
21.15	3.24	1.06	0.04	23.75	3.34	1.13	0.03
21.20	3.24	1.06	0.04	23.80	3.34	1.13	0.03
21.25	3.24	1.07	0.04	23.85	3.34	1.13	0.03
21.30	3.24	1.07	0.04	23.90	3.35	1.13	0.03
21.35	3.25	1.07	0.04	23.95	3.35	1.14	0.04
21.40	3.25	1.07	0.04	24.00	**3.35**	**1.14**	0.04
21.45	3.25	1.07	0.04	24.05	3.35	1.14	0.01
21.50	3.25	1.07	0.04	24.10	3.35	1.14	0.00
21.55	3.26	1.07	0.04	24.15	3.35	1.14	0.00
21.60	3.26	1.08	0.04	24.20	3.35	1.14	0.00
21.65	3.26	1.08	0.04	24.25	3.35	1.14	0.00
21.70	3.26	1.08	0.04	24.30	3.35	1.14	0.00
21.75	3.26	1.08	0.04	24.35	3.35	1.14	0.00
21.80	3.27	1.08	0.04	24.40	3.35	1.14	0.00
21.85	3.27	1.08	0.04	24.45	3.35	1.14	0.00
21.90	3.27	1.08	0.04	24.50	3.35	1.14	0.00
21.95	3.27	1.09	0.04	24.55	3.35	1.14	0.00
22.00	3.27	1.09	0.04	24.60	3.35	1.14	0.00
22.05	3.28	1.09	0.04	24.65	3.35	1.14	0.00
22.10	3.28	1.09	0.04	24.70	3.35	1.14	0.00
22.15	3.28	1.09	0.04	24.75	3.35	1.14	0.00
22.20	3.28	1.09	0.04	24.80	3.35	1.14	0.00
22.25	3.28	1.09	0.04	24.85	3.35	1.14	0.00
22.30	3.29	1.09	0.04	24.90	3.35	1.14	0.00
22.35	3.29	1.10	0.04	24.95	3.35	1.14	0.00
22.40	3.29	1.10	0.04	25.00	3.35	1.14	0.00
22.45	3.29	1.10	0.04	25.05	3.35	1.14	0.00
22.50	3.29	1.10	0.04	25.10	3.35	1.14	0.00
22.55	3.30	1.10	0.04	25.15	3.35	1.14	0.00
22.60	3.30	1.10	0.04	25.20	3.35	1.14	0.00
22.65	3.30	1.10	0.03	25.25	3.35	1.14	0.00
22.70	3.30	1.11	0.03	25.30	3.35	1.14	0.00
22.75	3.30	1.11	0.03	25.35	3.35	1.14	0.00
22.80	3.31	1.11	0.03	25.40	3.35	1.14	0.00
22.85	3.31	1.11	0.03	25.45	3.35	1.14	0.00
22.90	3.31	1.11	0.03	25.50	3.35	1.14	0.00
22.95	3.31	1.11	0.03	25.55	3.35	1.14	0.00
23.00	3.31	1.11	0.03	25.60	3.35	1.14	0.00
23.05	3.32	1.11	0.03	25.65	3.35	1.14	0.00
23.10	3.32	1.12	0.03	25.70	3.35	1.14	0.00
23.15	3.32	1.12	0.03	25.75	3.35	1.14	0.00
23.20	3.32	1.12	0.03	25.80	3.35	1.14	0.00
23.25	3.32	1.12	0.03	25.85	3.35	1.14	0.00
23.30	3.32	1.12	0.03	25.90	3.35	1.14	0.00
23.35	3.33	1.12	0.03	25.95	3.35	1.14	0.00

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	1.14	0.00	28.60	3.35	1.14	0.00
26.05	3.35	1.14	0.00	28.65	3.35	1.14	0.00
26.10	3.35	1.14	0.00	28.70	3.35	1.14	0.00
26.15	3.35	1.14	0.00	28.75	3.35	1.14	0.00
26.20	3.35	1.14	0.00	28.80	3.35	1.14	0.00
26.25	3.35	1.14	0.00	28.85	3.35	1.14	0.00
26.30	3.35	1.14	0.00	28.90	3.35	1.14	0.00
26.35	3.35	1.14	0.00	28.95	3.35	1.14	0.00
26.40	3.35	1.14	0.00	29.00	3.35	1.14	0.00
26.45	3.35	1.14	0.00	29.05	3.35	1.14	0.00
26.50	3.35	1.14	0.00	29.10	3.35	1.14	0.00
26.55	3.35	1.14	0.00	29.15	3.35	1.14	0.00
26.60	3.35	1.14	0.00	29.20	3.35	1.14	0.00
26.65	3.35	1.14	0.00	29.25	3.35	1.14	0.00
26.70	3.35	1.14	0.00	29.30	3.35	1.14	0.00
26.75	3.35	1.14	0.00	29.35	3.35	1.14	0.00
26.80	3.35	1.14	0.00	29.40	3.35	1.14	0.00
26.85	3.35	1.14	0.00	29.45	3.35	1.14	0.00
26.90	3.35	1.14	0.00	29.50	3.35	1.14	0.00
26.95	3.35	1.14	0.00	29.55	3.35	1.14	0.00
27.00	3.35	1.14	0.00	29.60	3.35	1.14	0.00
27.05	3.35	1.14	0.00	29.65	3.35	1.14	0.00
27.10	3.35	1.14	0.00	29.70	3.35	1.14	0.00
27.15	3.35	1.14	0.00	29.75	3.35	1.14	0.00
27.20	3.35	1.14	0.00	29.80	3.35	1.14	0.00
27.25	3.35	1.14	0.00	29.85	3.35	1.14	0.00
27.30	3.35	1.14	0.00	29.90	3.35	1.14	0.00
27.35	3.35	1.14	0.00	29.95	3.35	1.14	0.00
27.40	3.35	1.14	0.00	30.00	3.35	1.14	0.00
27.45	3.35	1.14	0.00	30.05	3.35	1.14	0.00
27.50	3.35	1.14	0.00	30.10	3.35	1.14	0.00
27.55	3.35	1.14	0.00	30.15	3.35	1.14	0.00
27.60	3.35	1.14	0.00	30.20	3.35	1.14	0.00
27.65	3.35	1.14	0.00	30.25	3.35	1.14	0.00
27.70	3.35	1.14	0.00	30.30	3.35	1.14	0.00
27.75	3.35	1.14	0.00	30.35	3.35	1.14	0.00
27.80	3.35	1.14	0.00	30.40	3.35	1.14	0.00
27.85	3.35	1.14	0.00	30.45	3.35	1.14	0.00
27.90	3.35	1.14	0.00	30.50	3.35	1.14	0.00
27.95	3.35	1.14	0.00	30.55	3.35	1.14	0.00
28.00	3.35	1.14	0.00	30.60	3.35	1.14	0.00
28.05	3.35	1.14	0.00	30.65	3.35	1.14	0.00
28.10	3.35	1.14	0.00	30.70	3.35	1.14	0.00
28.15	3.35	1.14	0.00	30.75	3.35	1.14	0.00
28.20	3.35	1.14	0.00	30.80	3.35	1.14	0.00
28.25	3.35	1.14	0.00	30.85	3.35	1.14	0.00
28.30	3.35	1.14	0.00	30.90	3.35	1.14	0.00
28.35	3.35	1.14	0.00	30.95	3.35	1.14	0.00
28.40	3.35	1.14	0.00	31.00	3.35	1.14	0.00
28.45	3.35	1.14	0.00	31.05	3.35	1.14	0.00
28.50	3.35	1.14	0.00	31.10	3.35	1.14	0.00
28.55	3.35	1.14	0.00	31.15	3.35	1.14	0.00

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	1.14	0.00	33.80	3.35	1.14	0.00
31.25	3.35	1.14	0.00	33.85	3.35	1.14	0.00
31.30	3.35	1.14	0.00	33.90	3.35	1.14	0.00
31.35	3.35	1.14	0.00	33.95	3.35	1.14	0.00
31.40	3.35	1.14	0.00	34.00	3.35	1.14	0.00
31.45	3.35	1.14	0.00	34.05	3.35	1.14	0.00
31.50	3.35	1.14	0.00	34.10	3.35	1.14	0.00
31.55	3.35	1.14	0.00	34.15	3.35	1.14	0.00
31.60	3.35	1.14	0.00	34.20	3.35	1.14	0.00
31.65	3.35	1.14	0.00	34.25	3.35	1.14	0.00
31.70	3.35	1.14	0.00	34.30	3.35	1.14	0.00
31.75	3.35	1.14	0.00	34.35	3.35	1.14	0.00
31.80	3.35	1.14	0.00	34.40	3.35	1.14	0.00
31.85	3.35	1.14	0.00	34.45	3.35	1.14	0.00
31.90	3.35	1.14	0.00	34.50	3.35	1.14	0.00
31.95	3.35	1.14	0.00	34.55	3.35	1.14	0.00
32.00	3.35	1.14	0.00	34.60	3.35	1.14	0.00
32.05	3.35	1.14	0.00	34.65	3.35	1.14	0.00
32.10	3.35	1.14	0.00	34.70	3.35	1.14	0.00
32.15	3.35	1.14	0.00	34.75	3.35	1.14	0.00
32.20	3.35	1.14	0.00	34.80	3.35	1.14	0.00
32.25	3.35	1.14	0.00	34.85	3.35	1.14	0.00
32.30	3.35	1.14	0.00	34.90	3.35	1.14	0.00
32.35	3.35	1.14	0.00	34.95	3.35	1.14	0.00
32.40	3.35	1.14	0.00	35.00	3.35	1.14	0.00
32.45	3.35	1.14	0.00	35.05	3.35	1.14	0.00
32.50	3.35	1.14	0.00	35.10	3.35	1.14	0.00
32.55	3.35	1.14	0.00	35.15	3.35	1.14	0.00
32.60	3.35	1.14	0.00	35.20	3.35	1.14	0.00
32.65	3.35	1.14	0.00	35.25	3.35	1.14	0.00
32.70	3.35	1.14	0.00	35.30	3.35	1.14	0.00
32.75	3.35	1.14	0.00	35.35	3.35	1.14	0.00
32.80	3.35	1.14	0.00	35.40	3.35	1.14	0.00
32.85	3.35	1.14	0.00	35.45	3.35	1.14	0.00
32.90	3.35	1.14	0.00	35.50	3.35	1.14	0.00
32.95	3.35	1.14	0.00	35.55	3.35	1.14	0.00
33.00	3.35	1.14	0.00	35.60	3.35	1.14	0.00
33.05	3.35	1.14	0.00	35.65	3.35	1.14	0.00
33.10	3.35	1.14	0.00	35.70	3.35	1.14	0.00
33.15	3.35	1.14	0.00	35.75	3.35	1.14	0.00
33.20	3.35	1.14	0.00	35.80	3.35	1.14	0.00
33.25	3.35	1.14	0.00	35.85	3.35	1.14	0.00
33.30	3.35	1.14	0.00	35.90	3.35	1.14	0.00
33.35	3.35	1.14	0.00	35.95	3.35	1.14	0.00
33.40	3.35	1.14	0.00	36.00	3.35	1.14	0.00
33.45	3.35	1.14	0.00	36.05	3.35	1.14	0.00
33.50	3.35	1.14	0.00	36.10	3.35	1.14	0.00
33.55	3.35	1.14	0.00	36.15	3.35	1.14	0.00
33.60	3.35	1.14	0.00	36.20	3.35	1.14	0.00
33.65	3.35	1.14	0.00	36.25	3.35	1.14	0.00
33.70	3.35	1.14	0.00	36.30	3.35	1.14	0.00
33.75	3.35	1.14	0.00	36.35	3.35	1.14	0.00

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	1.14	0.00
36.45	3.35	1.14	0.00
36.50	3.35	1.14	0.00
36.55	3.35	1.14	0.00
36.60	3.35	1.14	0.00
36.65	3.35	1.14	0.00
36.70	3.35	1.14	0.00
36.75	3.35	1.14	0.00
36.80	3.35	1.14	0.00
36.85	3.35	1.14	0.00
36.90	3.35	1.14	0.00
36.95	3.35	1.14	0.00
37.00	3.35	1.14	0.00
37.05	3.35	1.14	0.00
37.10	3.35	1.14	0.00
37.15	3.35	1.14	0.00
37.20	3.35	1.14	0.00
37.25	3.35	1.14	0.00
37.30	3.35	1.14	0.00
37.35	3.35	1.14	0.00
37.40	3.35	1.14	0.00
37.45	3.35	1.14	0.00
37.50	3.35	1.14	0.00
37.55	3.35	1.14	0.00
37.60	3.35	1.14	0.00
37.65	3.35	1.14	0.00
37.70	3.35	1.14	0.00
37.75	3.35	1.14	0.00
37.80	3.35	1.14	0.00
37.85	3.35	1.14	0.00
37.90	3.35	1.14	0.00
37.95	3.35	1.14	0.00
38.00	3.35	1.14	0.00
38.05	3.35	1.14	0.00
38.10	3.35	1.14	0.00
38.15	3.35	1.14	0.00
38.20	3.35	1.14	0.00
38.25	3.35	1.14	0.00
38.30	3.35	1.14	0.00
38.35	3.35	1.14	0.00
38.40	3.35	1.14	0.00
38.45	3.35	1.14	0.00
38.50	3.35	1.14	0.00
38.55	3.35	1.14	0.00
38.60	3.35	1.14	0.00
38.65	3.35	1.14	0.00
38.70	3.35	1.14	0.00
38.75	3.35	1.14	0.00
38.80	3.35	1.14	0.00
38.85	3.35	1.14	0.00
38.90	3.35	1.14	0.00
38.95	3.35	1.14	0.00
39.00	3.35	1.14	0.00
39.05	3.35	1.14	0.00
39.10	3.35	1.14	0.00
39.15	3.35	1.14	0.00
39.20	3.35	1.14	0.00
39.25	3.35	1.14	0.00
39.30	3.35	1.14	0.00
39.35	3.35	1.14	0.00
39.40	3.35	1.14	0.00
39.45	3.35	1.14	0.00
39.50	3.35	1.14	0.00
39.55	3.35	1.14	0.00
39.60	3.35	1.14	0.00
39.65	3.35	1.14	0.00
39.70	3.35	1.14	0.00
39.75	3.35	1.14	0.00
39.80	3.35	1.14	0.00
39.85	3.35	1.14	0.00
39.90	3.35	1.14	0.00
39.95	3.35	1.14	0.00
40.00	3.35	1.14	0.00

Summary for Subcatchment 54l: PDA-54 (impervious)

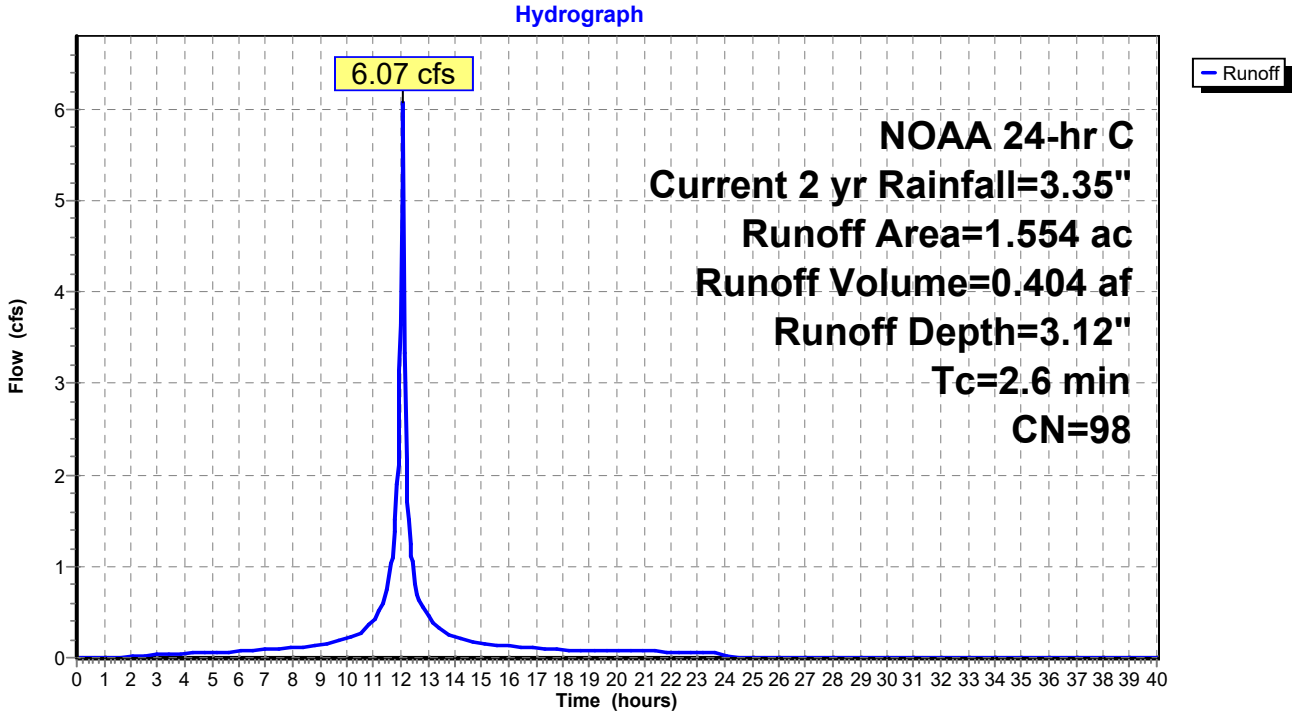
Runoff = 6.07 cfs @ 12.08 hrs, Volume= 0.404 af, Depth= 3.12"
Routed to Pond B-54 : Basin #54

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

	Area (ac)	CN	Description
*	0.983	98	Pavement, HSG C
*	0.361	98	Roof, HSG C
*	0.210	98	Concrete, HSG C
	1.554	98	Weighted Average
	1.554		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.6					**Direct Entry,**

Subcatchment 54l: PDA-54 (impervious)



Hydrograph for Subcatchment 54I: PDA-54 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.01	0.03
0.05	0.00	0.00	0.00	2.65	0.10	0.01	0.03
0.10	0.00	0.00	0.00	2.70	0.11	0.02	0.03
0.15	0.01	0.00	0.00	2.75	0.11	0.02	0.03
0.20	0.01	0.00	0.00	2.80	0.11	0.02	0.03
0.25	0.01	0.00	0.00	2.85	0.11	0.02	0.03
0.30	0.01	0.00	0.00	2.90	0.11	0.02	0.03
0.35	0.01	0.00	0.00	2.95	0.12	0.02	0.03
0.40	0.01	0.00	0.00	3.00	0.12	0.02	0.03
0.45	0.02	0.00	0.00	3.05	0.12	0.02	0.03
0.50	0.02	0.00	0.00	3.10	0.12	0.02	0.03
0.55	0.02	0.00	0.00	3.15	0.12	0.02	0.03
0.60	0.02	0.00	0.00	3.20	0.13	0.03	0.03
0.65	0.02	0.00	0.00	3.25	0.13	0.03	0.04
0.70	0.03	0.00	0.00	3.30	0.13	0.03	0.04
0.75	0.03	0.00	0.00	3.35	0.13	0.03	0.04
0.80	0.03	0.00	0.00	3.40	0.14	0.03	0.04
0.85	0.03	0.00	0.00	3.45	0.14	0.03	0.04
0.90	0.03	0.00	0.00	3.50	0.14	0.03	0.04
0.95	0.03	0.00	0.00	3.55	0.14	0.03	0.04
1.00	0.04	0.00	0.00	3.60	0.15	0.04	0.04
1.05	0.04	0.00	0.00	3.65	0.15	0.04	0.04
1.10	0.04	0.00	0.00	3.70	0.15	0.04	0.04
1.15	0.04	0.00	0.00	3.75	0.15	0.04	0.04
1.20	0.04	0.00	0.00	3.80	0.15	0.04	0.04
1.25	0.05	0.00	0.00	3.85	0.16	0.04	0.04
1.30	0.05	0.00	0.00	3.90	0.16	0.04	0.04
1.35	0.05	0.00	0.00	3.95	0.16	0.04	0.04
1.40	0.05	0.00	0.01	4.00	0.16	0.05	0.04
1.45	0.05	0.00	0.01	4.05	0.17	0.05	0.05
1.50	0.06	0.00	0.01	4.10	0.17	0.05	0.05
1.55	0.06	0.00	0.01	4.15	0.17	0.05	0.05
1.60	0.06	0.00	0.01	4.20	0.17	0.05	0.05
1.65	0.06	0.00	0.01	4.25	0.18	0.05	0.05
1.70	0.06	0.00	0.01	4.30	0.18	0.06	0.05
1.75	0.07	0.00	0.01	4.35	0.18	0.06	0.05
1.80	0.07	0.00	0.01	4.40	0.18	0.06	0.05
1.85	0.07	0.00	0.01	4.45	0.19	0.06	0.05
1.90	0.07	0.00	0.01	4.50	0.19	0.06	0.05
1.95	0.07	0.00	0.02	4.55	0.19	0.06	0.05
2.00	0.08	0.01	0.02	4.60	0.19	0.07	0.05
2.05	0.08	0.01	0.02	4.65	0.20	0.07	0.05
2.10	0.08	0.01	0.02	4.70	0.20	0.07	0.05
2.15	0.08	0.01	0.02	4.75	0.20	0.07	0.05
2.20	0.08	0.01	0.02	4.80	0.20	0.07	0.05
2.25	0.09	0.01	0.02	4.85	0.21	0.07	0.05
2.30	0.09	0.01	0.02	4.90	0.21	0.08	0.05
2.35	0.09	0.01	0.02	4.95	0.21	0.08	0.06
2.40	0.09	0.01	0.02	5.00	0.21	0.08	0.06
2.45	0.09	0.01	0.02	5.05	0.22	0.08	0.06
2.50	0.10	0.01	0.02	5.10	0.22	0.08	0.06
2.55	0.10	0.01	0.03	5.15	0.22	0.08	0.06

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.09	0.06	7.80	0.39	0.22	0.10
5.25	0.23	0.09	0.06	7.85	0.39	0.22	0.11
5.30	0.23	0.09	0.06	7.90	0.39	0.22	0.11
5.35	0.23	0.09	0.06	7.95	0.40	0.23	0.11
5.40	0.23	0.09	0.06	8.00	0.40	0.23	0.11
5.45	0.24	0.10	0.06	8.05	0.41	0.23	0.11
5.50	0.24	0.10	0.06	8.10	0.41	0.24	0.11
5.55	0.24	0.10	0.06	8.15	0.41	0.24	0.11
5.60	0.24	0.10	0.06	8.20	0.42	0.24	0.11
5.65	0.25	0.10	0.06	8.25	0.42	0.25	0.12
5.70	0.25	0.11	0.06	8.30	0.43	0.25	0.12
5.75	0.25	0.11	0.06	8.35	0.43	0.26	0.12
5.80	0.25	0.11	0.06	8.40	0.43	0.26	0.12
5.85	0.26	0.11	0.06	8.45	0.44	0.26	0.12
5.90	0.26	0.11	0.06	8.50	0.44	0.27	0.12
5.95	0.26	0.12	0.06	8.55	0.45	0.27	0.12
6.00	0.27	0.12	0.07	8.60	0.45	0.28	0.12
6.05	0.27	0.12	0.07	8.65	0.46	0.28	0.13
6.10	0.27	0.12	0.07	8.70	0.46	0.28	0.13
6.15	0.27	0.12	0.07	8.75	0.47	0.29	0.13
6.20	0.28	0.13	0.07	8.80	0.47	0.29	0.13
6.25	0.28	0.13	0.07	8.85	0.48	0.30	0.13
6.30	0.28	0.13	0.07	8.90	0.48	0.30	0.13
6.35	0.29	0.13	0.07	8.95	0.48	0.30	0.13
6.40	0.29	0.14	0.07	9.00	0.49	0.31	0.13
6.45	0.29	0.14	0.08	9.05	0.49	0.31	0.14
6.50	0.29	0.14	0.08	9.10	0.50	0.32	0.14
6.55	0.30	0.14	0.08	9.15	0.50	0.32	0.15
6.60	0.30	0.15	0.08	9.20	0.51	0.33	0.15
6.65	0.30	0.15	0.08	9.25	0.51	0.33	0.15
6.70	0.31	0.15	0.08	9.30	0.52	0.34	0.16
6.75	0.31	0.15	0.08	9.35	0.53	0.34	0.16
6.80	0.31	0.16	0.08	9.40	0.53	0.35	0.16
6.85	0.32	0.16	0.08	9.45	0.54	0.35	0.17
6.90	0.32	0.16	0.08	9.50	0.54	0.36	0.17
6.95	0.32	0.16	0.09	9.55	0.55	0.36	0.18
7.00	0.33	0.17	0.09	9.60	0.56	0.37	0.18
7.05	0.33	0.17	0.09	9.65	0.56	0.38	0.18
7.10	0.33	0.17	0.09	9.70	0.57	0.38	0.19
7.15	0.34	0.18	0.09	9.75	0.58	0.39	0.19
7.20	0.34	0.18	0.09	9.80	0.58	0.39	0.19
7.25	0.34	0.18	0.09	9.85	0.59	0.40	0.20
7.30	0.35	0.18	0.09	9.90	0.60	0.41	0.20
7.35	0.35	0.19	0.10	9.95	0.60	0.41	0.21
7.40	0.35	0.19	0.10	10.00	0.61	0.42	0.21
7.45	0.36	0.19	0.10	10.05	0.62	0.43	0.22
7.50	0.36	0.20	0.10	10.10	0.63	0.43	0.22
7.55	0.37	0.20	0.10	10.15	0.63	0.44	0.22
7.60	0.37	0.20	0.10	10.20	0.64	0.45	0.23
7.65	0.37	0.21	0.10	10.25	0.65	0.46	0.23
7.70	0.38	0.21	0.10	10.30	0.66	0.46	0.23
7.75	0.38	0.21	0.10	10.35	0.67	0.47	0.24

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.48	0.24	13.00	2.55	2.32	0.47
10.45	0.68	0.49	0.25	13.05	2.56	2.33	0.43
10.50	0.69	0.49	0.25	13.10	2.57	2.34	0.41
10.55	0.70	0.50	0.27	13.15	2.58	2.36	0.39
10.60	0.71	0.51	0.28	13.20	2.60	2.37	0.38
10.65	0.72	0.52	0.30	13.25	2.61	2.38	0.36
10.70	0.73	0.53	0.31	13.30	2.62	2.39	0.35
10.75	0.74	0.54	0.33	13.35	2.63	2.40	0.33
10.80	0.75	0.55	0.34	13.40	2.64	2.41	0.32
10.85	0.77	0.57	0.36	13.45	2.65	2.42	0.30
10.90	0.78	0.58	0.37	13.50	2.66	2.43	0.29
10.95	0.79	0.59	0.39	13.55	2.67	2.44	0.27
11.00	0.80	0.60	0.40	13.60	2.68	2.45	0.26
11.05	0.82	0.62	0.43	13.65	2.68	2.45	0.26
11.10	0.83	0.63	0.45	13.70	2.69	2.46	0.26
11.15	0.85	0.65	0.49	13.75	2.70	2.47	0.25
11.20	0.87	0.66	0.51	13.80	2.71	2.48	0.25
11.25	0.89	0.68	0.55	13.85	2.72	2.49	0.24
11.30	0.91	0.70	0.56	13.90	2.72	2.49	0.24
11.35	0.93	0.72	0.60	13.95	2.73	2.50	0.24
11.40	0.95	0.74	0.62	14.00	2.74	2.51	0.23
11.45	0.97	0.76	0.65	14.05	2.75	2.52	0.23
11.50	0.99	0.78	0.67	14.10	2.75	2.52	0.22
11.55	1.02	0.81	0.92	14.15	2.76	2.53	0.22
11.60	1.06	0.85	1.03	14.20	2.77	2.54	0.22
11.65	1.09	0.88	1.07	14.25	2.77	2.54	0.21
11.70	1.13	0.92	1.10	14.30	2.78	2.55	0.21
11.75	1.18	0.96	1.37	14.35	2.79	2.56	0.20
11.80	1.23	1.01	1.50	14.40	2.79	2.56	0.20
11.85	1.29	1.08	1.90	14.45	2.80	2.57	0.20
11.90	1.36	1.14	2.11	14.50	2.81	2.58	0.19
11.95	1.48	1.26	3.14	14.55	2.81	2.58	0.19
12.00	1.60	1.38	3.65	14.60	2.82	2.59	0.19
12.05	1.79	1.57	5.30	14.65	2.82	2.59	0.18
12.10	1.99	1.76	**5.92**	14.70	2.83	2.60	0.18
12.15	2.06	1.83	3.34	14.75	2.84	2.60	0.17
12.20	2.12	1.90	2.17	14.80	2.84	2.61	0.17
12.25	2.17	1.95	1.70	14.85	2.85	2.61	0.16
12.30	2.22	1.99	1.52	14.90	2.85	2.62	0.16
12.35	2.26	2.03	1.24	14.95	2.86	2.62	0.16
12.40	2.29	2.06	1.12	15.00	2.86	2.63	0.15
12.45	2.33	2.10	1.07	15.05	2.87	2.63	0.15
12.50	2.36	2.13	1.05	15.10	2.87	2.64	0.15
12.55	2.38	2.15	0.80	15.15	2.87	2.64	0.15
12.60	2.40	2.18	0.69	15.20	2.88	2.65	0.14
12.65	2.42	2.20	0.65	15.25	2.88	2.65	0.14
12.70	2.44	2.22	0.64	15.30	2.89	2.66	0.14
12.75	2.46	2.23	0.60	15.35	2.89	2.66	0.14
12.80	2.48	2.25	0.58	15.40	2.90	2.67	0.14
12.85	2.50	2.27	0.54	15.45	2.90	2.67	0.14
12.90	2.52	2.29	0.53	15.50	2.91	2.68	0.14
12.95	2.53	2.30	0.49	15.55	2.91	2.68	0.14

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	2.68	0.14	18.20	3.10	2.86	0.08
15.65	2.92	2.69	0.13	18.25	3.10	2.87	0.08
15.70	2.92	2.69	0.13	18.30	3.10	2.87	0.08
15.75	2.93	2.70	0.13	18.35	3.10	2.87	0.08
15.80	2.93	2.70	0.13	18.40	3.11	2.87	0.08
15.85	2.94	2.70	0.13	18.45	3.11	2.88	0.08
15.90	2.94	2.71	0.13	18.50	3.11	2.88	0.08
15.95	2.94	2.71	0.13	18.55	3.11	2.88	0.08
16.00	2.95	2.72	0.13	18.60	3.12	2.88	0.08
16.05	2.95	2.72	0.13	18.65	3.12	2.89	0.08
16.10	2.96	2.73	0.13	18.70	3.12	2.89	0.08
16.15	2.96	2.73	0.12	18.75	3.12	2.89	0.08
16.20	2.96	2.73	0.12	18.80	3.13	2.89	0.08
16.25	2.97	2.74	0.12	18.85	3.13	2.90	0.08
16.30	2.97	2.74	0.12	18.90	3.13	2.90	0.08
16.35	2.98	2.74	0.12	18.95	3.13	2.90	0.08
16.40	2.98	2.75	0.12	19.00	3.14	2.90	0.08
16.45	2.98	2.75	0.12	19.05	3.14	2.91	0.08
16.50	2.99	2.76	0.12	19.10	3.14	2.91	0.08
16.55	2.99	2.76	0.12	19.15	3.14	2.91	0.08
16.60	3.00	2.76	0.12	19.20	3.15	2.91	0.08
16.65	3.00	2.77	0.11	19.25	3.15	2.92	0.08
16.70	3.00	2.77	0.11	19.30	3.15	2.92	0.08
16.75	3.01	2.77	0.11	19.35	3.15	2.92	0.08
16.80	3.01	2.78	0.11	19.40	3.16	2.92	0.08
16.85	3.01	2.78	0.11	19.45	3.16	2.93	0.08
16.90	3.02	2.78	0.11	19.50	3.16	2.93	0.08
16.95	3.02	2.79	0.11	19.55	3.16	2.93	0.08
17.00	3.02	2.79	0.11	19.60	3.17	2.93	0.08
17.05	3.03	2.79	0.11	19.65	3.17	2.94	0.08
17.10	3.03	2.80	0.11	19.70	3.17	2.94	0.08
17.15	3.03	2.80	0.10	19.75	3.17	2.94	0.08
17.20	3.04	2.80	0.10	19.80	3.18	2.94	0.08
17.25	3.04	2.81	0.10	19.85	3.18	2.95	0.08
17.30	3.04	2.81	0.10	19.90	3.18	2.95	0.07
17.35	3.05	2.81	0.10	19.95	3.18	2.95	0.07
17.40	3.05	2.82	0.10	20.00	3.19	2.95	0.07
17.45	3.05	2.82	0.10	20.05	3.19	2.96	0.07
17.50	3.06	2.82	0.10	20.10	3.19	2.96	0.07
17.55	3.06	2.83	0.10	20.15	3.19	2.96	0.07
17.60	3.06	2.83	0.09	20.20	3.20	2.96	0.07
17.65	3.06	2.83	0.09	20.25	3.20	2.97	0.07
17.70	3.07	2.84	0.09	20.30	3.20	2.97	0.07
17.75	3.07	2.84	0.09	20.35	3.20	2.97	0.07
17.80	3.07	2.84	0.09	20.40	3.20	2.97	0.07
17.85	3.08	2.84	0.09	20.45	3.21	2.97	0.07
17.90	3.08	2.85	0.09	20.50	3.21	2.98	0.07
17.95	3.08	2.85	0.09	20.55	3.21	2.98	0.07
18.00	3.08	2.85	0.09	20.60	3.21	2.98	0.07
18.05	3.09	2.86	0.08	20.65	3.22	2.98	0.07
18.10	3.09	2.86	0.08	20.70	3.22	2.99	0.07
18.15	3.09	2.86	0.08	20.75	3.22	2.99	0.07

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	2.99	0.07	23.40	3.33	3.10	0.06
20.85	3.23	2.99	0.07	23.45	3.33	3.10	0.06
20.90	3.23	2.99	0.07	23.50	3.33	3.10	0.06
20.95	3.23	3.00	0.07	23.55	3.33	3.10	0.06
21.00	3.23	3.00	0.07	23.60	3.34	3.10	0.06
21.05	3.23	3.00	0.07	23.65	3.34	3.10	0.06
21.10	3.24	3.00	0.07	23.70	3.34	3.11	0.06
21.15	3.24	3.01	0.07	23.75	3.34	3.11	0.05
21.20	3.24	3.01	0.07	23.80	3.34	3.11	0.05
21.25	3.24	3.01	0.07	23.85	3.34	3.11	0.05
21.30	3.24	3.01	0.07	23.90	3.35	3.11	0.05
21.35	3.25	3.01	0.07	23.95	3.35	3.11	0.06
21.40	3.25	3.02	0.07	24.00	**3.35**	**3.12**	0.07
21.45	3.25	3.02	0.07	24.05	3.35	3.12	0.02
21.50	3.25	3.02	0.07	24.10	3.35	3.12	0.00
21.55	3.26	3.02	0.07	24.15	3.35	3.12	0.00
21.60	3.26	3.02	0.07	24.20	3.35	3.12	0.00
21.65	3.26	3.03	0.07	24.25	3.35	3.12	0.00
21.70	3.26	3.03	0.07	24.30	3.35	3.12	0.00
21.75	3.26	3.03	0.07	24.35	3.35	3.12	0.00
21.80	3.27	3.03	0.07	24.40	3.35	3.12	0.00
21.85	3.27	3.04	0.06	24.45	3.35	3.12	0.00
21.90	3.27	3.04	0.06	24.50	3.35	3.12	0.00
21.95	3.27	3.04	0.06	24.55	3.35	3.12	0.00
22.00	3.27	3.04	0.06	24.60	3.35	3.12	0.00
22.05	3.28	3.04	0.06	24.65	3.35	3.12	0.00
22.10	3.28	3.05	0.06	24.70	3.35	3.12	0.00
22.15	3.28	3.05	0.06	24.75	3.35	3.12	0.00
22.20	3.28	3.05	0.06	24.80	3.35	3.12	0.00
22.25	3.28	3.05	0.06	24.85	3.35	3.12	0.00
22.30	3.29	3.05	0.06	24.90	3.35	3.12	0.00
22.35	3.29	3.06	0.06	24.95	3.35	3.12	0.00
22.40	3.29	3.06	0.06	25.00	3.35	3.12	0.00
22.45	3.29	3.06	0.06	25.05	3.35	3.12	0.00
22.50	3.29	3.06	0.06	25.10	3.35	3.12	0.00
22.55	3.30	3.06	0.06	25.15	3.35	3.12	0.00
22.60	3.30	3.07	0.06	25.20	3.35	3.12	0.00
22.65	3.30	3.07	0.06	25.25	3.35	3.12	0.00
22.70	3.30	3.07	0.06	25.30	3.35	3.12	0.00
22.75	3.30	3.07	0.06	25.35	3.35	3.12	0.00
22.80	3.31	3.07	0.06	25.40	3.35	3.12	0.00
22.85	3.31	3.07	0.06	25.45	3.35	3.12	0.00
22.90	3.31	3.08	0.06	25.50	3.35	3.12	0.00
22.95	3.31	3.08	0.06	25.55	3.35	3.12	0.00
23.00	3.31	3.08	0.06	25.60	3.35	3.12	0.00
23.05	3.32	3.08	0.06	25.65	3.35	3.12	0.00
23.10	3.32	3.08	0.06	25.70	3.35	3.12	0.00
23.15	3.32	3.09	0.06	25.75	3.35	3.12	0.00
23.20	3.32	3.09	0.06	25.80	3.35	3.12	0.00
23.25	3.32	3.09	0.06	25.85	3.35	3.12	0.00
23.30	3.32	3.09	0.06	25.90	3.35	3.12	0.00
23.35	3.33	3.09	0.06	25.95	3.35	3.12	0.00

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	3.12	0.00	28.60	3.35	3.12	0.00
26.05	3.35	3.12	0.00	28.65	3.35	3.12	0.00
26.10	3.35	3.12	0.00	28.70	3.35	3.12	0.00
26.15	3.35	3.12	0.00	28.75	3.35	3.12	0.00
26.20	3.35	3.12	0.00	28.80	3.35	3.12	0.00
26.25	3.35	3.12	0.00	28.85	3.35	3.12	0.00
26.30	3.35	3.12	0.00	28.90	3.35	3.12	0.00
26.35	3.35	3.12	0.00	28.95	3.35	3.12	0.00
26.40	3.35	3.12	0.00	29.00	3.35	3.12	0.00
26.45	3.35	3.12	0.00	29.05	3.35	3.12	0.00
26.50	3.35	3.12	0.00	29.10	3.35	3.12	0.00
26.55	3.35	3.12	0.00	29.15	3.35	3.12	0.00
26.60	3.35	3.12	0.00	29.20	3.35	3.12	0.00
26.65	3.35	3.12	0.00	29.25	3.35	3.12	0.00
26.70	3.35	3.12	0.00	29.30	3.35	3.12	0.00
26.75	3.35	3.12	0.00	29.35	3.35	3.12	0.00
26.80	3.35	3.12	0.00	29.40	3.35	3.12	0.00
26.85	3.35	3.12	0.00	29.45	3.35	3.12	0.00
26.90	3.35	3.12	0.00	29.50	3.35	3.12	0.00
26.95	3.35	3.12	0.00	29.55	3.35	3.12	0.00
27.00	3.35	3.12	0.00	29.60	3.35	3.12	0.00
27.05	3.35	3.12	0.00	29.65	3.35	3.12	0.00
27.10	3.35	3.12	0.00	29.70	3.35	3.12	0.00
27.15	3.35	3.12	0.00	29.75	3.35	3.12	0.00
27.20	3.35	3.12	0.00	29.80	3.35	3.12	0.00
27.25	3.35	3.12	0.00	29.85	3.35	3.12	0.00
27.30	3.35	3.12	0.00	29.90	3.35	3.12	0.00
27.35	3.35	3.12	0.00	29.95	3.35	3.12	0.00
27.40	3.35	3.12	0.00	30.00	3.35	3.12	0.00
27.45	3.35	3.12	0.00	30.05	3.35	3.12	0.00
27.50	3.35	3.12	0.00	30.10	3.35	3.12	0.00
27.55	3.35	3.12	0.00	30.15	3.35	3.12	0.00
27.60	3.35	3.12	0.00	30.20	3.35	3.12	0.00
27.65	3.35	3.12	0.00	30.25	3.35	3.12	0.00
27.70	3.35	3.12	0.00	30.30	3.35	3.12	0.00
27.75	3.35	3.12	0.00	30.35	3.35	3.12	0.00
27.80	3.35	3.12	0.00	30.40	3.35	3.12	0.00
27.85	3.35	3.12	0.00	30.45	3.35	3.12	0.00
27.90	3.35	3.12	0.00	30.50	3.35	3.12	0.00
27.95	3.35	3.12	0.00	30.55	3.35	3.12	0.00
28.00	3.35	3.12	0.00	30.60	3.35	3.12	0.00
28.05	3.35	3.12	0.00	30.65	3.35	3.12	0.00
28.10	3.35	3.12	0.00	30.70	3.35	3.12	0.00
28.15	3.35	3.12	0.00	30.75	3.35	3.12	0.00
28.20	3.35	3.12	0.00	30.80	3.35	3.12	0.00
28.25	3.35	3.12	0.00	30.85	3.35	3.12	0.00
28.30	3.35	3.12	0.00	30.90	3.35	3.12	0.00
28.35	3.35	3.12	0.00	30.95	3.35	3.12	0.00
28.40	3.35	3.12	0.00	31.00	3.35	3.12	0.00
28.45	3.35	3.12	0.00	31.05	3.35	3.12	0.00
28.50	3.35	3.12	0.00	31.10	3.35	3.12	0.00
28.55	3.35	3.12	0.00	31.15	3.35	3.12	0.00

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	3.12	0.00	33.80	3.35	3.12	0.00
31.25	3.35	3.12	0.00	33.85	3.35	3.12	0.00
31.30	3.35	3.12	0.00	33.90	3.35	3.12	0.00
31.35	3.35	3.12	0.00	33.95	3.35	3.12	0.00
31.40	3.35	3.12	0.00	34.00	3.35	3.12	0.00
31.45	3.35	3.12	0.00	34.05	3.35	3.12	0.00
31.50	3.35	3.12	0.00	34.10	3.35	3.12	0.00
31.55	3.35	3.12	0.00	34.15	3.35	3.12	0.00
31.60	3.35	3.12	0.00	34.20	3.35	3.12	0.00
31.65	3.35	3.12	0.00	34.25	3.35	3.12	0.00
31.70	3.35	3.12	0.00	34.30	3.35	3.12	0.00
31.75	3.35	3.12	0.00	34.35	3.35	3.12	0.00
31.80	3.35	3.12	0.00	34.40	3.35	3.12	0.00
31.85	3.35	3.12	0.00	34.45	3.35	3.12	0.00
31.90	3.35	3.12	0.00	34.50	3.35	3.12	0.00
31.95	3.35	3.12	0.00	34.55	3.35	3.12	0.00
32.00	3.35	3.12	0.00	34.60	3.35	3.12	0.00
32.05	3.35	3.12	0.00	34.65	3.35	3.12	0.00
32.10	3.35	3.12	0.00	34.70	3.35	3.12	0.00
32.15	3.35	3.12	0.00	34.75	3.35	3.12	0.00
32.20	3.35	3.12	0.00	34.80	3.35	3.12	0.00
32.25	3.35	3.12	0.00	34.85	3.35	3.12	0.00
32.30	3.35	3.12	0.00	34.90	3.35	3.12	0.00
32.35	3.35	3.12	0.00	34.95	3.35	3.12	0.00
32.40	3.35	3.12	0.00	35.00	3.35	3.12	0.00
32.45	3.35	3.12	0.00	35.05	3.35	3.12	0.00
32.50	3.35	3.12	0.00	35.10	3.35	3.12	0.00
32.55	3.35	3.12	0.00	35.15	3.35	3.12	0.00
32.60	3.35	3.12	0.00	35.20	3.35	3.12	0.00
32.65	3.35	3.12	0.00	35.25	3.35	3.12	0.00
32.70	3.35	3.12	0.00	35.30	3.35	3.12	0.00
32.75	3.35	3.12	0.00	35.35	3.35	3.12	0.00
32.80	3.35	3.12	0.00	35.40	3.35	3.12	0.00
32.85	3.35	3.12	0.00	35.45	3.35	3.12	0.00
32.90	3.35	3.12	0.00	35.50	3.35	3.12	0.00
32.95	3.35	3.12	0.00	35.55	3.35	3.12	0.00
33.00	3.35	3.12	0.00	35.60	3.35	3.12	0.00
33.05	3.35	3.12	0.00	35.65	3.35	3.12	0.00
33.10	3.35	3.12	0.00	35.70	3.35	3.12	0.00
33.15	3.35	3.12	0.00	35.75	3.35	3.12	0.00
33.20	3.35	3.12	0.00	35.80	3.35	3.12	0.00
33.25	3.35	3.12	0.00	35.85	3.35	3.12	0.00
33.30	3.35	3.12	0.00	35.90	3.35	3.12	0.00
33.35	3.35	3.12	0.00	35.95	3.35	3.12	0.00
33.40	3.35	3.12	0.00	36.00	3.35	3.12	0.00
33.45	3.35	3.12	0.00	36.05	3.35	3.12	0.00
33.50	3.35	3.12	0.00	36.10	3.35	3.12	0.00
33.55	3.35	3.12	0.00	36.15	3.35	3.12	0.00
33.60	3.35	3.12	0.00	36.20	3.35	3.12	0.00
33.65	3.35	3.12	0.00	36.25	3.35	3.12	0.00
33.70	3.35	3.12	0.00	36.30	3.35	3.12	0.00
33.75	3.35	3.12	0.00	36.35	3.35	3.12	0.00

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	3.12	0.00
36.45	3.35	3.12	0.00
36.50	3.35	3.12	0.00
36.55	3.35	3.12	0.00
36.60	3.35	3.12	0.00
36.65	3.35	3.12	0.00
36.70	3.35	3.12	0.00
36.75	3.35	3.12	0.00
36.80	3.35	3.12	0.00
36.85	3.35	3.12	0.00
36.90	3.35	3.12	0.00
36.95	3.35	3.12	0.00
37.00	3.35	3.12	0.00
37.05	3.35	3.12	0.00
37.10	3.35	3.12	0.00
37.15	3.35	3.12	0.00
37.20	3.35	3.12	0.00
37.25	3.35	3.12	0.00
37.30	3.35	3.12	0.00
37.35	3.35	3.12	0.00
37.40	3.35	3.12	0.00
37.45	3.35	3.12	0.00
37.50	3.35	3.12	0.00
37.55	3.35	3.12	0.00
37.60	3.35	3.12	0.00
37.65	3.35	3.12	0.00
37.70	3.35	3.12	0.00
37.75	3.35	3.12	0.00
37.80	3.35	3.12	0.00
37.85	3.35	3.12	0.00
37.90	3.35	3.12	0.00
37.95	3.35	3.12	0.00
38.00	3.35	3.12	0.00
38.05	3.35	3.12	0.00
38.10	3.35	3.12	0.00
38.15	3.35	3.12	0.00
38.20	3.35	3.12	0.00
38.25	3.35	3.12	0.00
38.30	3.35	3.12	0.00
38.35	3.35	3.12	0.00
38.40	3.35	3.12	0.00
38.45	3.35	3.12	0.00
38.50	3.35	3.12	0.00
38.55	3.35	3.12	0.00
38.60	3.35	3.12	0.00
38.65	3.35	3.12	0.00
38.70	3.35	3.12	0.00
38.75	3.35	3.12	0.00
38.80	3.35	3.12	0.00
38.85	3.35	3.12	0.00
38.90	3.35	3.12	0.00
38.95	3.35	3.12	0.00
39.00	3.35	3.12	0.00
39.05	3.35	3.12	0.00
39.10	3.35	3.12	0.00
39.15	3.35	3.12	0.00
39.20	3.35	3.12	0.00
39.25	3.35	3.12	0.00
39.30	3.35	3.12	0.00
39.35	3.35	3.12	0.00
39.40	3.35	3.12	0.00
39.45	3.35	3.12	0.00
39.50	3.35	3.12	0.00
39.55	3.35	3.12	0.00
39.60	3.35	3.12	0.00
39.65	3.35	3.12	0.00
39.70	3.35	3.12	0.00
39.75	3.35	3.12	0.00
39.80	3.35	3.12	0.00
39.85	3.35	3.12	0.00
39.90	3.35	3.12	0.00
39.95	3.35	3.12	0.00
40.00	3.35	3.12	0.00

Summary for Subcatchment 54P: PDA-54 (pervious)

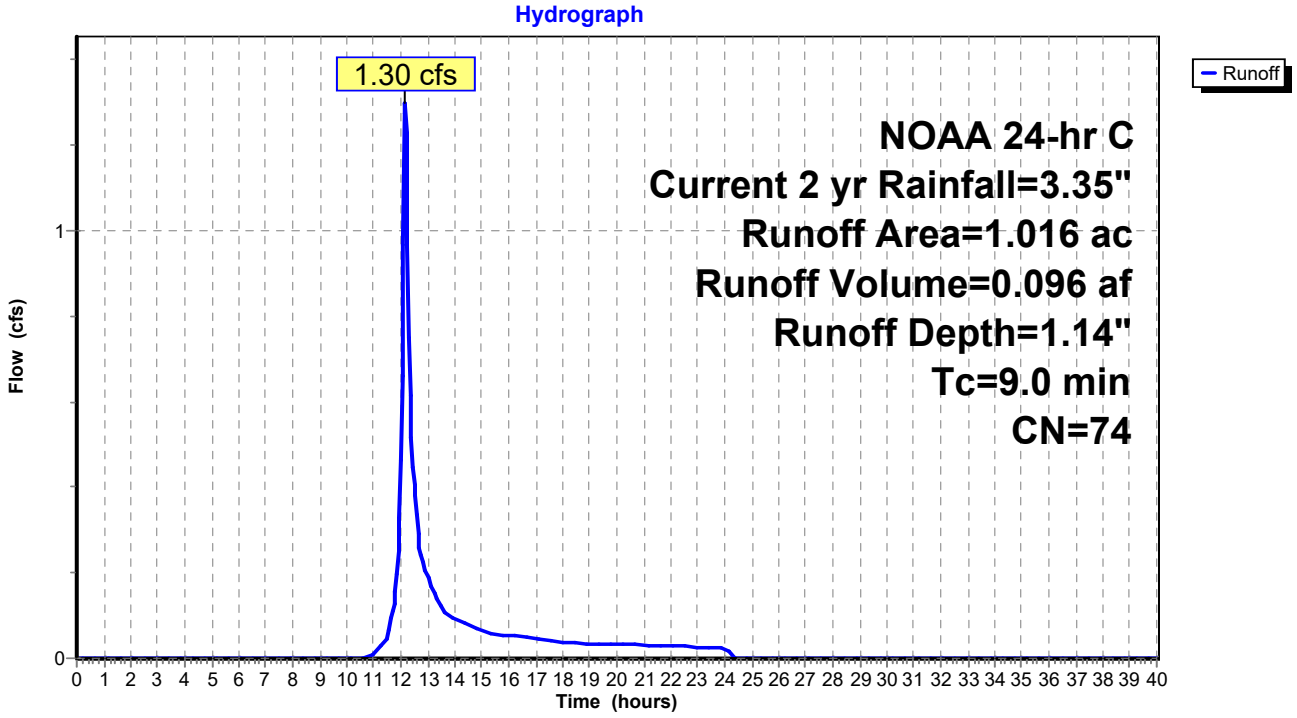
Runoff = 1.30 cfs @ 12.17 hrs, Volume= 0.096 af, Depth= 1.14"
Routed to Pond B-54 : Basin #54

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
1.016	74	>75% Grass cover, Good, HSG C
1.016		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.0					**Direct Entry,**

Subcatchment 54P: PDA-54 (pervious)



Hydrograph for Subcatchment 54P: PDA-54 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.63	0.19
10.45	0.68	0.00	0.00	13.05	2.56	0.64	0.18
10.50	0.69	0.00	0.00	13.10	2.57	0.65	0.17
10.55	0.70	0.00	0.00	13.15	2.58	0.66	0.16
10.60	0.71	0.00	0.00	13.20	2.60	0.66	0.16
10.65	0.72	0.00	0.00	13.25	2.61	0.67	0.15
10.70	0.73	0.00	0.00	13.30	2.62	0.68	0.14
10.75	0.74	0.00	0.00	13.35	2.63	0.68	0.14
10.80	0.75	0.00	0.00	13.40	2.64	0.69	0.13
10.85	0.77	0.00	0.00	13.45	2.65	0.69	0.13
10.90	0.78	0.00	0.01	13.50	2.66	0.70	0.12
10.95	0.79	0.00	0.01	13.55	2.67	0.70	0.12
11.00	0.80	0.00	0.01	13.60	2.68	0.71	0.11
11.05	0.82	0.00	0.01	13.65	2.68	0.71	0.11
11.10	0.83	0.00	0.01	13.70	2.69	0.72	0.10
11.15	0.85	0.01	0.02	13.75	2.70	0.72	0.10
11.20	0.87	0.01	0.02	13.80	2.71	0.73	0.10
11.25	0.89	0.01	0.02	13.85	2.72	0.73	0.10
11.30	0.91	0.01	0.03	13.90	2.72	0.74	0.10
11.35	0.93	0.01	0.03	13.95	2.73	0.74	0.10
11.40	0.95	0.02	0.04	14.00	2.74	0.75	0.09
11.45	0.97	0.02	0.04	14.05	2.75	0.75	0.09
11.50	0.99	0.02	0.05	14.10	2.75	0.76	0.09
11.55	1.02	0.03	0.06	14.15	2.76	0.76	0.09
11.60	1.06	0.03	0.07	14.20	2.77	0.76	0.09
11.65	1.09	0.04	0.09	14.25	2.77	0.77	0.09
11.70	1.13	0.05	0.11	14.30	2.78	0.77	0.09
11.75	1.18	0.06	0.13	14.35	2.79	0.78	0.08
11.80	1.23	0.07	0.16	14.40	2.79	0.78	0.08
11.85	1.29	0.09	0.20	14.45	2.80	0.78	0.08
11.90	1.36	0.10	0.25	14.50	2.81	0.79	0.08
11.95	1.48	0.14	0.33	14.55	2.81	0.79	0.08
12.00	1.60	0.18	0.46	14.60	2.82	0.80	0.08
12.05	1.79	0.26	0.66	14.65	2.82	0.80	0.08
12.10	1.99	0.34	0.97	14.70	2.83	0.80	0.07
12.15	2.06	0.38	**1.27**	14.75	2.84	0.81	0.07
12.20	2.12	0.41	1.23	14.80	2.84	0.81	0.07
12.25	2.17	0.43	0.96	14.85	2.85	0.81	0.07
12.30	2.22	0.46	0.75	14.90	2.85	0.82	0.07
12.35	2.26	0.48	0.62	14.95	2.86	0.82	0.07
12.40	2.29	0.50	0.52	15.00	2.86	0.82	0.07
12.45	2.33	0.51	0.45	15.05	2.87	0.82	0.06
12.50	2.36	0.53	0.41	15.10	2.87	0.83	0.06
12.55	2.38	0.54	0.38	15.15	2.87	0.83	0.06
12.60	2.40	0.55	0.34	15.20	2.88	0.83	0.06
12.65	2.42	0.57	0.29	15.25	2.88	0.84	0.06
12.70	2.44	0.58	0.26	15.30	2.89	0.84	0.06
12.75	2.46	0.59	0.24	15.35	2.89	0.84	0.06
12.80	2.48	0.60	0.23	15.40	2.90	0.84	0.06
12.85	2.50	0.61	0.22	15.45	2.90	0.85	0.06
12.90	2.52	0.62	0.21	15.50	2.91	0.85	0.06
12.95	2.53	0.63	0.20	15.55	2.91	0.85	0.06

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.85	0.06	18.20	3.10	0.97	0.04
15.65	2.92	0.86	0.06	18.25	3.10	0.97	0.04
15.70	2.92	0.86	0.06	18.30	3.10	0.97	0.04
15.75	2.93	0.86	0.06	18.35	3.10	0.97	0.04
15.80	2.93	0.87	0.05	18.40	3.11	0.98	0.04
15.85	2.94	0.87	0.05	18.45	3.11	0.98	0.04
15.90	2.94	0.87	0.05	18.50	3.11	0.98	0.04
15.95	2.94	0.87	0.05	18.55	3.11	0.98	0.03
16.00	2.95	0.88	0.05	18.60	3.12	0.98	0.03
16.05	2.95	0.88	0.05	18.65	3.12	0.98	0.03
16.10	2.96	0.88	0.05	18.70	3.12	0.99	0.03
16.15	2.96	0.88	0.05	18.75	3.12	0.99	0.03
16.20	2.96	0.89	0.05	18.80	3.13	0.99	0.03
16.25	2.97	0.89	0.05	18.85	3.13	0.99	0.03
16.30	2.97	0.89	0.05	18.90	3.13	0.99	0.03
16.35	2.98	0.89	0.05	18.95	3.13	0.99	0.03
16.40	2.98	0.90	0.05	19.00	3.14	1.00	0.03
16.45	2.98	0.90	0.05	19.05	3.14	1.00	0.03
16.50	2.99	0.90	0.05	19.10	3.14	1.00	0.03
16.55	2.99	0.90	0.05	19.15	3.14	1.00	0.03
16.60	3.00	0.91	0.05	19.20	3.15	1.00	0.03
16.65	3.00	0.91	0.05	19.25	3.15	1.00	0.03
16.70	3.00	0.91	0.05	19.30	3.15	1.01	0.03
16.75	3.01	0.91	0.05	19.35	3.15	1.01	0.03
16.80	3.01	0.91	0.05	19.40	3.16	1.01	0.03
16.85	3.01	0.92	0.05	19.45	3.16	1.01	0.03
16.90	3.02	0.92	0.05	19.50	3.16	1.01	0.03
16.95	3.02	0.92	0.05	19.55	3.16	1.01	0.03
17.00	3.02	0.92	0.05	19.60	3.17	1.02	0.03
17.05	3.03	0.93	0.05	19.65	3.17	1.02	0.03
17.10	3.03	0.93	0.04	19.70	3.17	1.02	0.03
17.15	3.03	0.93	0.04	19.75	3.17	1.02	0.03
17.20	3.04	0.93	0.04	19.80	3.18	1.02	0.03
17.25	3.04	0.93	0.04	19.85	3.18	1.02	0.03
17.30	3.04	0.94	0.04	19.90	3.18	1.03	0.03
17.35	3.05	0.94	0.04	19.95	3.18	1.03	0.03
17.40	3.05	0.94	0.04	20.00	3.19	1.03	0.03
17.45	3.05	0.94	0.04	20.05	3.19	1.03	0.03
17.50	3.06	0.94	0.04	20.10	3.19	1.03	0.03
17.55	3.06	0.95	0.04	20.15	3.19	1.03	0.03
17.60	3.06	0.95	0.04	20.20	3.20	1.03	0.03
17.65	3.06	0.95	0.04	20.25	3.20	1.04	0.03
17.70	3.07	0.95	0.04	20.30	3.20	1.04	0.03
17.75	3.07	0.95	0.04	20.35	3.20	1.04	0.03
17.80	3.07	0.96	0.04	20.40	3.20	1.04	0.03
17.85	3.08	0.96	0.04	20.45	3.21	1.04	0.03
17.90	3.08	0.96	0.04	20.50	3.21	1.04	0.03
17.95	3.08	0.96	0.04	20.55	3.21	1.05	0.03
18.00	3.08	0.96	0.04	20.60	3.21	1.05	0.03
18.05	3.09	0.96	0.04	20.65	3.22	1.05	0.03
18.10	3.09	0.97	0.04	20.70	3.22	1.05	0.03
18.15	3.09	0.97	0.04	20.75	3.22	1.05	0.03

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	1.05	0.03	23.40	3.33	1.12	0.03
20.85	3.23	1.05	0.03	23.45	3.33	1.12	0.03
20.90	3.23	1.06	0.03	23.50	3.33	1.13	0.03
20.95	3.23	1.06	0.03	23.55	3.33	1.13	0.02
21.00	3.23	1.06	0.03	23.60	3.34	1.13	0.02
21.05	3.23	1.06	0.03	23.65	3.34	1.13	0.02
21.10	3.24	1.06	0.03	23.70	3.34	1.13	0.02
21.15	3.24	1.06	0.03	23.75	3.34	1.13	0.02
21.20	3.24	1.06	0.03	23.80	3.34	1.13	0.02
21.25	3.24	1.07	0.03	23.85	3.34	1.13	0.02
21.30	3.24	1.07	0.03	23.90	3.35	1.13	0.02
21.35	3.25	1.07	0.03	23.95	3.35	1.14	0.02
21.40	3.25	1.07	0.03	24.00	**3.35**	**1.14**	0.03
21.45	3.25	1.07	0.03	24.05	3.35	1.14	0.03
21.50	3.25	1.07	0.03	24.10	3.35	1.14	0.02
21.55	3.26	1.07	0.03	24.15	3.35	1.14	0.01
21.60	3.26	1.08	0.03	24.20	3.35	1.14	0.00
21.65	3.26	1.08	0.03	24.25	3.35	1.14	0.00
21.70	3.26	1.08	0.03	24.30	3.35	1.14	0.00
21.75	3.26	1.08	0.03	24.35	3.35	1.14	0.00
21.80	3.27	1.08	0.03	24.40	3.35	1.14	0.00
21.85	3.27	1.08	0.03	24.45	3.35	1.14	0.00
21.90	3.27	1.08	0.03	24.50	3.35	1.14	0.00
21.95	3.27	1.09	0.03	24.55	3.35	1.14	0.00
22.00	3.27	1.09	0.03	24.60	3.35	1.14	0.00
22.05	3.28	1.09	0.03	24.65	3.35	1.14	0.00
22.10	3.28	1.09	0.03	24.70	3.35	1.14	0.00
22.15	3.28	1.09	0.03	24.75	3.35	1.14	0.00
22.20	3.28	1.09	0.03	24.80	3.35	1.14	0.00
22.25	3.28	1.09	0.03	24.85	3.35	1.14	0.00
22.30	3.29	1.09	0.03	24.90	3.35	1.14	0.00
22.35	3.29	1.10	0.03	24.95	3.35	1.14	0.00
22.40	3.29	1.10	0.03	25.00	3.35	1.14	0.00
22.45	3.29	1.10	0.03	25.05	3.35	1.14	0.00
22.50	3.29	1.10	0.03	25.10	3.35	1.14	0.00
22.55	3.30	1.10	0.03	25.15	3.35	1.14	0.00
22.60	3.30	1.10	0.03	25.20	3.35	1.14	0.00
22.65	3.30	1.10	0.03	25.25	3.35	1.14	0.00
22.70	3.30	1.11	0.03	25.30	3.35	1.14	0.00
22.75	3.30	1.11	0.03	25.35	3.35	1.14	0.00
22.80	3.31	1.11	0.03	25.40	3.35	1.14	0.00
22.85	3.31	1.11	0.03	25.45	3.35	1.14	0.00
22.90	3.31	1.11	0.03	25.50	3.35	1.14	0.00
22.95	3.31	1.11	0.03	25.55	3.35	1.14	0.00
23.00	3.31	1.11	0.03	25.60	3.35	1.14	0.00
23.05	3.32	1.11	0.03	25.65	3.35	1.14	0.00
23.10	3.32	1.12	0.03	25.70	3.35	1.14	0.00
23.15	3.32	1.12	0.03	25.75	3.35	1.14	0.00
23.20	3.32	1.12	0.03	25.80	3.35	1.14	0.00
23.25	3.32	1.12	0.03	25.85	3.35	1.14	0.00
23.30	3.32	1.12	0.03	25.90	3.35	1.14	0.00
23.35	3.33	1.12	0.03	25.95	3.35	1.14	0.00

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	1.14	0.00	28.60	3.35	1.14	0.00
26.05	3.35	1.14	0.00	28.65	3.35	1.14	0.00
26.10	3.35	1.14	0.00	28.70	3.35	1.14	0.00
26.15	3.35	1.14	0.00	28.75	3.35	1.14	0.00
26.20	3.35	1.14	0.00	28.80	3.35	1.14	0.00
26.25	3.35	1.14	0.00	28.85	3.35	1.14	0.00
26.30	3.35	1.14	0.00	28.90	3.35	1.14	0.00
26.35	3.35	1.14	0.00	28.95	3.35	1.14	0.00
26.40	3.35	1.14	0.00	29.00	3.35	1.14	0.00
26.45	3.35	1.14	0.00	29.05	3.35	1.14	0.00
26.50	3.35	1.14	0.00	29.10	3.35	1.14	0.00
26.55	3.35	1.14	0.00	29.15	3.35	1.14	0.00
26.60	3.35	1.14	0.00	29.20	3.35	1.14	0.00
26.65	3.35	1.14	0.00	29.25	3.35	1.14	0.00
26.70	3.35	1.14	0.00	29.30	3.35	1.14	0.00
26.75	3.35	1.14	0.00	29.35	3.35	1.14	0.00
26.80	3.35	1.14	0.00	29.40	3.35	1.14	0.00
26.85	3.35	1.14	0.00	29.45	3.35	1.14	0.00
26.90	3.35	1.14	0.00	29.50	3.35	1.14	0.00
26.95	3.35	1.14	0.00	29.55	3.35	1.14	0.00
27.00	3.35	1.14	0.00	29.60	3.35	1.14	0.00
27.05	3.35	1.14	0.00	29.65	3.35	1.14	0.00
27.10	3.35	1.14	0.00	29.70	3.35	1.14	0.00
27.15	3.35	1.14	0.00	29.75	3.35	1.14	0.00
27.20	3.35	1.14	0.00	29.80	3.35	1.14	0.00
27.25	3.35	1.14	0.00	29.85	3.35	1.14	0.00
27.30	3.35	1.14	0.00	29.90	3.35	1.14	0.00
27.35	3.35	1.14	0.00	29.95	3.35	1.14	0.00
27.40	3.35	1.14	0.00	30.00	3.35	1.14	0.00
27.45	3.35	1.14	0.00	30.05	3.35	1.14	0.00
27.50	3.35	1.14	0.00	30.10	3.35	1.14	0.00
27.55	3.35	1.14	0.00	30.15	3.35	1.14	0.00
27.60	3.35	1.14	0.00	30.20	3.35	1.14	0.00
27.65	3.35	1.14	0.00	30.25	3.35	1.14	0.00
27.70	3.35	1.14	0.00	30.30	3.35	1.14	0.00
27.75	3.35	1.14	0.00	30.35	3.35	1.14	0.00
27.80	3.35	1.14	0.00	30.40	3.35	1.14	0.00
27.85	3.35	1.14	0.00	30.45	3.35	1.14	0.00
27.90	3.35	1.14	0.00	30.50	3.35	1.14	0.00
27.95	3.35	1.14	0.00	30.55	3.35	1.14	0.00
28.00	3.35	1.14	0.00	30.60	3.35	1.14	0.00
28.05	3.35	1.14	0.00	30.65	3.35	1.14	0.00
28.10	3.35	1.14	0.00	30.70	3.35	1.14	0.00
28.15	3.35	1.14	0.00	30.75	3.35	1.14	0.00
28.20	3.35	1.14	0.00	30.80	3.35	1.14	0.00
28.25	3.35	1.14	0.00	30.85	3.35	1.14	0.00
28.30	3.35	1.14	0.00	30.90	3.35	1.14	0.00
28.35	3.35	1.14	0.00	30.95	3.35	1.14	0.00
28.40	3.35	1.14	0.00	31.00	3.35	1.14	0.00
28.45	3.35	1.14	0.00	31.05	3.35	1.14	0.00
28.50	3.35	1.14	0.00	31.10	3.35	1.14	0.00
28.55	3.35	1.14	0.00	31.15	3.35	1.14	0.00

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	1.14	0.00	33.80	3.35	1.14	0.00
31.25	3.35	1.14	0.00	33.85	3.35	1.14	0.00
31.30	3.35	1.14	0.00	33.90	3.35	1.14	0.00
31.35	3.35	1.14	0.00	33.95	3.35	1.14	0.00
31.40	3.35	1.14	0.00	34.00	3.35	1.14	0.00
31.45	3.35	1.14	0.00	34.05	3.35	1.14	0.00
31.50	3.35	1.14	0.00	34.10	3.35	1.14	0.00
31.55	3.35	1.14	0.00	34.15	3.35	1.14	0.00
31.60	3.35	1.14	0.00	34.20	3.35	1.14	0.00
31.65	3.35	1.14	0.00	34.25	3.35	1.14	0.00
31.70	3.35	1.14	0.00	34.30	3.35	1.14	0.00
31.75	3.35	1.14	0.00	34.35	3.35	1.14	0.00
31.80	3.35	1.14	0.00	34.40	3.35	1.14	0.00
31.85	3.35	1.14	0.00	34.45	3.35	1.14	0.00
31.90	3.35	1.14	0.00	34.50	3.35	1.14	0.00
31.95	3.35	1.14	0.00	34.55	3.35	1.14	0.00
32.00	3.35	1.14	0.00	34.60	3.35	1.14	0.00
32.05	3.35	1.14	0.00	34.65	3.35	1.14	0.00
32.10	3.35	1.14	0.00	34.70	3.35	1.14	0.00
32.15	3.35	1.14	0.00	34.75	3.35	1.14	0.00
32.20	3.35	1.14	0.00	34.80	3.35	1.14	0.00
32.25	3.35	1.14	0.00	34.85	3.35	1.14	0.00
32.30	3.35	1.14	0.00	34.90	3.35	1.14	0.00
32.35	3.35	1.14	0.00	34.95	3.35	1.14	0.00
32.40	3.35	1.14	0.00	35.00	3.35	1.14	0.00
32.45	3.35	1.14	0.00	35.05	3.35	1.14	0.00
32.50	3.35	1.14	0.00	35.10	3.35	1.14	0.00
32.55	3.35	1.14	0.00	35.15	3.35	1.14	0.00
32.60	3.35	1.14	0.00	35.20	3.35	1.14	0.00
32.65	3.35	1.14	0.00	35.25	3.35	1.14	0.00
32.70	3.35	1.14	0.00	35.30	3.35	1.14	0.00
32.75	3.35	1.14	0.00	35.35	3.35	1.14	0.00
32.80	3.35	1.14	0.00	35.40	3.35	1.14	0.00
32.85	3.35	1.14	0.00	35.45	3.35	1.14	0.00
32.90	3.35	1.14	0.00	35.50	3.35	1.14	0.00
32.95	3.35	1.14	0.00	35.55	3.35	1.14	0.00
33.00	3.35	1.14	0.00	35.60	3.35	1.14	0.00
33.05	3.35	1.14	0.00	35.65	3.35	1.14	0.00
33.10	3.35	1.14	0.00	35.70	3.35	1.14	0.00
33.15	3.35	1.14	0.00	35.75	3.35	1.14	0.00
33.20	3.35	1.14	0.00	35.80	3.35	1.14	0.00
33.25	3.35	1.14	0.00	35.85	3.35	1.14	0.00
33.30	3.35	1.14	0.00	35.90	3.35	1.14	0.00
33.35	3.35	1.14	0.00	35.95	3.35	1.14	0.00
33.40	3.35	1.14	0.00	36.00	3.35	1.14	0.00
33.45	3.35	1.14	0.00	36.05	3.35	1.14	0.00
33.50	3.35	1.14	0.00	36.10	3.35	1.14	0.00
33.55	3.35	1.14	0.00	36.15	3.35	1.14	0.00
33.60	3.35	1.14	0.00	36.20	3.35	1.14	0.00
33.65	3.35	1.14	0.00	36.25	3.35	1.14	0.00
33.70	3.35	1.14	0.00	36.30	3.35	1.14	0.00
33.75	3.35	1.14	0.00	36.35	3.35	1.14	0.00

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	1.14	0.00
36.45	3.35	1.14	0.00
36.50	3.35	1.14	0.00
36.55	3.35	1.14	0.00
36.60	3.35	1.14	0.00
36.65	3.35	1.14	0.00
36.70	3.35	1.14	0.00
36.75	3.35	1.14	0.00
36.80	3.35	1.14	0.00
36.85	3.35	1.14	0.00
36.90	3.35	1.14	0.00
36.95	3.35	1.14	0.00
37.00	3.35	1.14	0.00
37.05	3.35	1.14	0.00
37.10	3.35	1.14	0.00
37.15	3.35	1.14	0.00
37.20	3.35	1.14	0.00
37.25	3.35	1.14	0.00
37.30	3.35	1.14	0.00
37.35	3.35	1.14	0.00
37.40	3.35	1.14	0.00
37.45	3.35	1.14	0.00
37.50	3.35	1.14	0.00
37.55	3.35	1.14	0.00
37.60	3.35	1.14	0.00
37.65	3.35	1.14	0.00
37.70	3.35	1.14	0.00
37.75	3.35	1.14	0.00
37.80	3.35	1.14	0.00
37.85	3.35	1.14	0.00
37.90	3.35	1.14	0.00
37.95	3.35	1.14	0.00
38.00	3.35	1.14	0.00
38.05	3.35	1.14	0.00
38.10	3.35	1.14	0.00
38.15	3.35	1.14	0.00
38.20	3.35	1.14	0.00
38.25	3.35	1.14	0.00
38.30	3.35	1.14	0.00
38.35	3.35	1.14	0.00
38.40	3.35	1.14	0.00
38.45	3.35	1.14	0.00
38.50	3.35	1.14	0.00
38.55	3.35	1.14	0.00
38.60	3.35	1.14	0.00
38.65	3.35	1.14	0.00
38.70	3.35	1.14	0.00
38.75	3.35	1.14	0.00
38.80	3.35	1.14	0.00
38.85	3.35	1.14	0.00
38.90	3.35	1.14	0.00
38.95	3.35	1.14	0.00
39.00	3.35	1.14	0.00
39.05	3.35	1.14	0.00
39.10	3.35	1.14	0.00
39.15	3.35	1.14	0.00
39.20	3.35	1.14	0.00
39.25	3.35	1.14	0.00
39.30	3.35	1.14	0.00
39.35	3.35	1.14	0.00
39.40	3.35	1.14	0.00
39.45	3.35	1.14	0.00
39.50	3.35	1.14	0.00
39.55	3.35	1.14	0.00
39.60	3.35	1.14	0.00
39.65	3.35	1.14	0.00
39.70	3.35	1.14	0.00
39.75	3.35	1.14	0.00
39.80	3.35	1.14	0.00
39.85	3.35	1.14	0.00
39.90	3.35	1.14	0.00
39.95	3.35	1.14	0.00
40.00	3.35	1.14	0.00

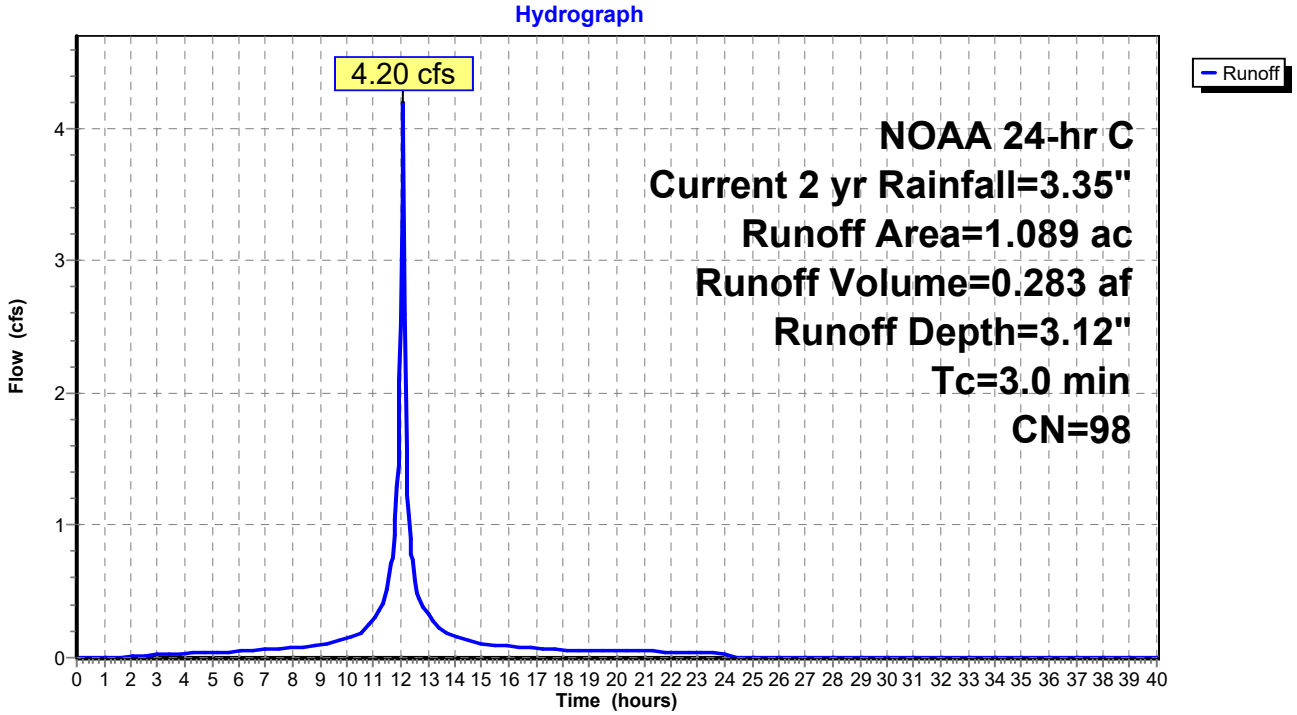
Summary for Subcatchment 55l: PDA-55 (impervious)

Runoff = 4.20 cfs @ 12.09 hrs, Volume= 0.283 af, Depth= 3.12"
Routed to Pond B-55 : Basin #55

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

	Area (ac)	CN	Description
*	0.467	98	Pavement, HSG C
*	0.574	98	Roof, HSG C
*	0.048	98	Concrete, HSG C
	1.089	98	Weighted Average
	1.089		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.0					**Direct Entry,**



Hydrograph for Subcatchment 55l: PDA-55 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.01	0.02
0.05	0.00	0.00	0.00	2.65	0.10	0.01	0.02
0.10	0.00	0.00	0.00	2.70	0.11	0.02	0.02
0.15	0.01	0.00	0.00	2.75	0.11	0.02	0.02
0.20	0.01	0.00	0.00	2.80	0.11	0.02	0.02
0.25	0.01	0.00	0.00	2.85	0.11	0.02	0.02
0.30	0.01	0.00	0.00	2.90	0.11	0.02	0.02
0.35	0.01	0.00	0.00	2.95	0.12	0.02	0.02
0.40	0.01	0.00	0.00	3.00	0.12	0.02	0.02
0.45	0.02	0.00	0.00	3.05	0.12	0.02	0.02
0.50	0.02	0.00	0.00	3.10	0.12	0.02	0.02
0.55	0.02	0.00	0.00	3.15	0.12	0.02	0.02
0.60	0.02	0.00	0.00	3.20	0.13	0.03	0.02
0.65	0.02	0.00	0.00	3.25	0.13	0.03	0.02
0.70	0.03	0.00	0.00	3.30	0.13	0.03	0.03
0.75	0.03	0.00	0.00	3.35	0.13	0.03	0.03
0.80	0.03	0.00	0.00	3.40	0.14	0.03	0.03
0.85	0.03	0.00	0.00	3.45	0.14	0.03	0.03
0.90	0.03	0.00	0.00	3.50	0.14	0.03	0.03
0.95	0.03	0.00	0.00	3.55	0.14	0.03	0.03
1.00	0.04	0.00	0.00	3.60	0.15	0.04	0.03
1.05	0.04	0.00	0.00	3.65	0.15	0.04	0.03
1.10	0.04	0.00	0.00	3.70	0.15	0.04	0.03
1.15	0.04	0.00	0.00	3.75	0.15	0.04	0.03
1.20	0.04	0.00	0.00	3.80	0.15	0.04	0.03
1.25	0.05	0.00	0.00	3.85	0.16	0.04	0.03
1.30	0.05	0.00	0.00	3.90	0.16	0.04	0.03
1.35	0.05	0.00	0.00	3.95	0.16	0.04	0.03
1.40	0.05	0.00	0.00	4.00	0.16	0.05	0.03
1.45	0.05	0.00	0.00	4.05	0.17	0.05	0.03
1.50	0.06	0.00	0.01	4.10	0.17	0.05	0.03
1.55	0.06	0.00	0.01	4.15	0.17	0.05	0.03
1.60	0.06	0.00	0.01	4.20	0.17	0.05	0.03
1.65	0.06	0.00	0.01	4.25	0.18	0.05	0.03
1.70	0.06	0.00	0.01	4.30	0.18	0.06	0.03
1.75	0.07	0.00	0.01	4.35	0.18	0.06	0.03
1.80	0.07	0.00	0.01	4.40	0.18	0.06	0.03
1.85	0.07	0.00	0.01	4.45	0.19	0.06	0.03
1.90	0.07	0.00	0.01	4.50	0.19	0.06	0.04
1.95	0.07	0.00	0.01	4.55	0.19	0.06	0.04
2.00	0.08	0.01	0.01	4.60	0.19	0.07	0.04
2.05	0.08	0.01	0.01	4.65	0.20	0.07	0.04
2.10	0.08	0.01	0.01	4.70	0.20	0.07	0.04
2.15	0.08	0.01	0.01	4.75	0.20	0.07	0.04
2.20	0.08	0.01	0.01	4.80	0.20	0.07	0.04
2.25	0.09	0.01	0.01	4.85	0.21	0.07	0.04
2.30	0.09	0.01	0.02	4.90	0.21	0.08	0.04
2.35	0.09	0.01	0.02	4.95	0.21	0.08	0.04
2.40	0.09	0.01	0.02	5.00	0.21	0.08	0.04
2.45	0.09	0.01	0.02	5.05	0.22	0.08	0.04
2.50	0.10	0.01	0.02	5.10	0.22	0.08	0.04
2.55	0.10	0.01	0.02	5.15	0.22	0.08	0.04

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.09	0.04	7.80	0.39	0.22	0.07
5.25	0.23	0.09	0.04	7.85	0.39	0.22	0.07
5.30	0.23	0.09	0.04	7.90	0.39	0.22	0.08
5.35	0.23	0.09	0.04	7.95	0.40	0.23	0.08
5.40	0.23	0.09	0.04	8.00	0.40	0.23	0.08
5.45	0.24	0.10	0.04	8.05	0.41	0.23	0.08
5.50	0.24	0.10	0.04	8.10	0.41	0.24	0.08
5.55	0.24	0.10	0.04	8.15	0.41	0.24	0.08
5.60	0.24	0.10	0.04	8.20	0.42	0.24	0.08
5.65	0.25	0.10	0.04	8.25	0.42	0.25	0.08
5.70	0.25	0.11	0.04	8.30	0.43	0.25	0.08
5.75	0.25	0.11	0.04	8.35	0.43	0.26	0.08
5.80	0.25	0.11	0.04	8.40	0.43	0.26	0.08
5.85	0.26	0.11	0.04	8.45	0.44	0.26	0.08
5.90	0.26	0.11	0.05	8.50	0.44	0.27	0.08
5.95	0.26	0.12	0.05	8.55	0.45	0.27	0.09
6.00	0.27	0.12	0.05	8.60	0.45	0.28	0.09
6.05	0.27	0.12	0.05	8.65	0.46	0.28	0.09
6.10	0.27	0.12	0.05	8.70	0.46	0.28	0.09
6.15	0.27	0.12	0.05	8.75	0.47	0.29	0.09
6.20	0.28	0.13	0.05	8.80	0.47	0.29	0.09
6.25	0.28	0.13	0.05	8.85	0.48	0.30	0.09
6.30	0.28	0.13	0.05	8.90	0.48	0.30	0.09
6.35	0.29	0.13	0.05	8.95	0.48	0.30	0.09
6.40	0.29	0.14	0.05	9.00	0.49	0.31	0.09
6.45	0.29	0.14	0.05	9.05	0.49	0.31	0.10
6.50	0.29	0.14	0.05	9.10	0.50	0.32	0.10
6.55	0.30	0.14	0.05	9.15	0.50	0.32	0.10
6.60	0.30	0.15	0.05	9.20	0.51	0.33	0.10
6.65	0.30	0.15	0.06	9.25	0.51	0.33	0.11
6.70	0.31	0.15	0.06	9.30	0.52	0.34	0.11
6.75	0.31	0.15	0.06	9.35	0.53	0.34	0.11
6.80	0.31	0.16	0.06	9.40	0.53	0.35	0.11
6.85	0.32	0.16	0.06	9.45	0.54	0.35	0.12
6.90	0.32	0.16	0.06	9.50	0.54	0.36	0.12
6.95	0.32	0.16	0.06	9.55	0.55	0.36	0.12
7.00	0.33	0.17	0.06	9.60	0.56	0.37	0.13
7.05	0.33	0.17	0.06	9.65	0.56	0.38	0.13
7.10	0.33	0.17	0.06	9.70	0.57	0.38	0.13
7.15	0.34	0.18	0.06	9.75	0.58	0.39	0.13
7.20	0.34	0.18	0.06	9.80	0.58	0.39	0.14
7.25	0.34	0.18	0.06	9.85	0.59	0.40	0.14
7.30	0.35	0.18	0.07	9.90	0.60	0.41	0.14
7.35	0.35	0.19	0.07	9.95	0.60	0.41	0.14
7.40	0.35	0.19	0.07	10.00	0.61	0.42	0.15
7.45	0.36	0.19	0.07	10.05	0.62	0.43	0.15
7.50	0.36	0.20	0.07	10.10	0.63	0.43	0.15
7.55	0.37	0.20	0.07	10.15	0.63	0.44	0.16
7.60	0.37	0.20	0.07	10.20	0.64	0.45	0.16
7.65	0.37	0.21	0.07	10.25	0.65	0.46	0.16
7.70	0.38	0.21	0.07	10.30	0.66	0.46	0.16
7.75	0.38	0.21	0.07	10.35	0.67	0.47	0.17

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.48	0.17	13.00	2.55	2.32	0.33
10.45	0.68	0.49	0.17	13.05	2.56	2.33	0.31
10.50	0.69	0.49	0.18	13.10	2.57	2.34	0.29
10.55	0.70	0.50	0.19	13.15	2.58	2.36	0.28
10.60	0.71	0.51	0.20	13.20	2.60	2.37	0.27
10.65	0.72	0.52	0.21	13.25	2.61	2.38	0.26
10.70	0.73	0.53	0.22	13.30	2.62	2.39	0.25
10.75	0.74	0.54	0.23	13.35	2.63	2.40	0.24
10.80	0.75	0.55	0.24	13.40	2.64	2.41	0.23
10.85	0.77	0.57	0.25	13.45	2.65	2.42	0.21
10.90	0.78	0.58	0.26	13.50	2.66	2.43	0.21
10.95	0.79	0.59	0.27	13.55	2.67	2.44	0.19
11.00	0.80	0.60	0.28	13.60	2.68	2.45	0.19
11.05	0.82	0.62	0.30	13.65	2.68	2.45	0.18
11.10	0.83	0.63	0.32	13.70	2.69	2.46	0.18
11.15	0.85	0.65	0.34	13.75	2.70	2.47	0.18
11.20	0.87	0.66	0.35	13.80	2.71	2.48	0.17
11.25	0.89	0.68	0.38	13.85	2.72	2.49	0.17
11.30	0.91	0.70	0.39	13.90	2.72	2.49	0.17
11.35	0.93	0.72	0.42	13.95	2.73	2.50	0.17
11.40	0.95	0.74	0.43	14.00	2.74	2.51	0.16
11.45	0.97	0.76	0.45	14.05	2.75	2.52	0.16
11.50	0.99	0.78	0.47	14.10	2.75	2.52	0.16
11.55	1.02	0.81	0.62	14.15	2.76	2.53	0.15
11.60	1.06	0.85	0.71	14.20	2.77	2.54	0.15
11.65	1.09	0.88	0.75	14.25	2.77	2.54	0.15
11.70	1.13	0.92	0.77	14.30	2.78	2.55	0.15
11.75	1.18	0.96	0.93	14.35	2.79	2.56	0.14
11.80	1.23	1.01	1.04	14.40	2.79	2.56	0.14
11.85	1.29	1.08	1.29	14.45	2.80	2.57	0.14
11.90	1.36	1.14	1.46	14.50	2.81	2.58	0.14
11.95	1.48	1.26	2.10	14.55	2.81	2.58	0.13
12.00	1.60	1.38	2.52	14.60	2.82	2.59	0.13
12.05	1.79	1.57	3.55	14.65	2.82	2.59	0.13
12.10	1.99	1.76	**4.14**	14.70	2.83	2.60	0.12
12.15	2.06	1.83	2.59	14.75	2.84	2.60	0.12
12.20	2.12	1.90	1.57	14.80	2.84	2.61	0.12
12.25	2.17	1.95	1.24	14.85	2.85	2.61	0.12
12.30	2.22	1.99	1.08	14.90	2.85	2.62	0.11
12.35	2.26	2.03	0.89	14.95	2.86	2.62	0.11
12.40	2.29	2.06	0.79	15.00	2.86	2.63	0.11
12.45	2.33	2.10	0.75	15.05	2.87	2.63	0.10
12.50	2.36	2.13	0.74	15.10	2.87	2.64	0.10
12.55	2.38	2.15	0.58	15.15	2.87	2.64	0.10
12.60	2.40	2.18	0.49	15.20	2.88	2.65	0.10
12.65	2.42	2.20	0.46	15.25	2.88	2.65	0.10
12.70	2.44	2.22	0.45	15.30	2.89	2.66	0.10
12.75	2.46	2.23	0.42	15.35	2.89	2.66	0.10
12.80	2.48	2.25	0.41	15.40	2.90	2.67	0.10
12.85	2.50	2.27	0.38	15.45	2.90	2.67	0.10
12.90	2.52	2.29	0.37	15.50	2.91	2.68	0.10
12.95	2.53	2.30	0.35	15.55	2.91	2.68	0.10

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	2.68	0.10	18.20	3.10	2.86	0.06
15.65	2.92	2.69	0.09	18.25	3.10	2.87	0.06
15.70	2.92	2.69	0.09	18.30	3.10	2.87	0.06
15.75	2.93	2.70	0.09	18.35	3.10	2.87	0.06
15.80	2.93	2.70	0.09	18.40	3.11	2.87	0.06
15.85	2.94	2.70	0.09	18.45	3.11	2.88	0.06
15.90	2.94	2.71	0.09	18.50	3.11	2.88	0.06
15.95	2.94	2.71	0.09	18.55	3.11	2.88	0.06
16.00	2.95	2.72	0.09	18.60	3.12	2.88	0.06
16.05	2.95	2.72	0.09	18.65	3.12	2.89	0.06
16.10	2.96	2.73	0.09	18.70	3.12	2.89	0.06
16.15	2.96	2.73	0.09	18.75	3.12	2.89	0.06
16.20	2.96	2.73	0.09	18.80	3.13	2.89	0.06
16.25	2.97	2.74	0.09	18.85	3.13	2.90	0.06
16.30	2.97	2.74	0.09	18.90	3.13	2.90	0.06
16.35	2.98	2.74	0.08	18.95	3.13	2.90	0.06
16.40	2.98	2.75	0.08	19.00	3.14	2.90	0.06
16.45	2.98	2.75	0.08	19.05	3.14	2.91	0.06
16.50	2.99	2.76	0.08	19.10	3.14	2.91	0.06
16.55	2.99	2.76	0.08	19.15	3.14	2.91	0.06
16.60	3.00	2.76	0.08	19.20	3.15	2.91	0.05
16.65	3.00	2.77	0.08	19.25	3.15	2.92	0.05
16.70	3.00	2.77	0.08	19.30	3.15	2.92	0.05
16.75	3.01	2.77	0.08	19.35	3.15	2.92	0.05
16.80	3.01	2.78	0.08	19.40	3.16	2.92	0.05
16.85	3.01	2.78	0.08	19.45	3.16	2.93	0.05
16.90	3.02	2.78	0.08	19.50	3.16	2.93	0.05
16.95	3.02	2.79	0.08	19.55	3.16	2.93	0.05
17.00	3.02	2.79	0.08	19.60	3.17	2.93	0.05
17.05	3.03	2.79	0.07	19.65	3.17	2.94	0.05
17.10	3.03	2.80	0.07	19.70	3.17	2.94	0.05
17.15	3.03	2.80	0.07	19.75	3.17	2.94	0.05
17.20	3.04	2.80	0.07	19.80	3.18	2.94	0.05
17.25	3.04	2.81	0.07	19.85	3.18	2.95	0.05
17.30	3.04	2.81	0.07	19.90	3.18	2.95	0.05
17.35	3.05	2.81	0.07	19.95	3.18	2.95	0.05
17.40	3.05	2.82	0.07	20.00	3.19	2.95	0.05
17.45	3.05	2.82	0.07	20.05	3.19	2.96	0.05
17.50	3.06	2.82	0.07	20.10	3.19	2.96	0.05
17.55	3.06	2.83	0.07	20.15	3.19	2.96	0.05
17.60	3.06	2.83	0.07	20.20	3.20	2.96	0.05
17.65	3.06	2.83	0.07	20.25	3.20	2.97	0.05
17.70	3.07	2.84	0.06	20.30	3.20	2.97	0.05
17.75	3.07	2.84	0.06	20.35	3.20	2.97	0.05
17.80	3.07	2.84	0.06	20.40	3.20	2.97	0.05
17.85	3.08	2.84	0.06	20.45	3.21	2.97	0.05
17.90	3.08	2.85	0.06	20.50	3.21	2.98	0.05
17.95	3.08	2.85	0.06	20.55	3.21	2.98	0.05
18.00	3.08	2.85	0.06	20.60	3.21	2.98	0.05
18.05	3.09	2.86	0.06	20.65	3.22	2.98	0.05
18.10	3.09	2.86	0.06	20.70	3.22	2.99	0.05
18.15	3.09	2.86	0.06	20.75	3.22	2.99	0.05

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	2.99	0.05	23.40	3.33	3.10	0.04
20.85	3.23	2.99	0.05	23.45	3.33	3.10	0.04
20.90	3.23	2.99	0.05	23.50	3.33	3.10	0.04
20.95	3.23	3.00	0.05	23.55	3.33	3.10	0.04
21.00	3.23	3.00	0.05	23.60	3.34	3.10	0.04
21.05	3.23	3.00	0.05	23.65	3.34	3.10	0.04
21.10	3.24	3.00	0.05	23.70	3.34	3.11	0.04
21.15	3.24	3.01	0.05	23.75	3.34	3.11	0.04
21.20	3.24	3.01	0.05	23.80	3.34	3.11	0.04
21.25	3.24	3.01	0.05	23.85	3.34	3.11	0.04
21.30	3.24	3.01	0.05	23.90	3.35	3.11	0.04
21.35	3.25	3.01	0.05	23.95	3.35	3.11	0.04
21.40	3.25	3.02	0.05	24.00	**3.35**	**3.12**	0.05
21.45	3.25	3.02	0.05	24.05	3.35	3.12	0.02
21.50	3.25	3.02	0.05	24.10	3.35	3.12	0.00
21.55	3.26	3.02	0.05	24.15	3.35	3.12	0.00
21.60	3.26	3.02	0.05	24.20	3.35	3.12	0.00
21.65	3.26	3.03	0.05	24.25	3.35	3.12	0.00
21.70	3.26	3.03	0.05	24.30	3.35	3.12	0.00
21.75	3.26	3.03	0.05	24.35	3.35	3.12	0.00
21.80	3.27	3.03	0.05	24.40	3.35	3.12	0.00
21.85	3.27	3.04	0.05	24.45	3.35	3.12	0.00
21.90	3.27	3.04	0.05	24.50	3.35	3.12	0.00
21.95	3.27	3.04	0.04	24.55	3.35	3.12	0.00
22.00	3.27	3.04	0.04	24.60	3.35	3.12	0.00
22.05	3.28	3.04	0.04	24.65	3.35	3.12	0.00
22.10	3.28	3.05	0.04	24.70	3.35	3.12	0.00
22.15	3.28	3.05	0.04	24.75	3.35	3.12	0.00
22.20	3.28	3.05	0.04	24.80	3.35	3.12	0.00
22.25	3.28	3.05	0.04	24.85	3.35	3.12	0.00
22.30	3.29	3.05	0.04	24.90	3.35	3.12	0.00
22.35	3.29	3.06	0.04	24.95	3.35	3.12	0.00
22.40	3.29	3.06	0.04	25.00	3.35	3.12	0.00
22.45	3.29	3.06	0.04	25.05	3.35	3.12	0.00
22.50	3.29	3.06	0.04	25.10	3.35	3.12	0.00
22.55	3.30	3.06	0.04	25.15	3.35	3.12	0.00
22.60	3.30	3.07	0.04	25.20	3.35	3.12	0.00
22.65	3.30	3.07	0.04	25.25	3.35	3.12	0.00
22.70	3.30	3.07	0.04	25.30	3.35	3.12	0.00
22.75	3.30	3.07	0.04	25.35	3.35	3.12	0.00
22.80	3.31	3.07	0.04	25.40	3.35	3.12	0.00
22.85	3.31	3.07	0.04	25.45	3.35	3.12	0.00
22.90	3.31	3.08	0.04	25.50	3.35	3.12	0.00
22.95	3.31	3.08	0.04	25.55	3.35	3.12	0.00
23.00	3.31	3.08	0.04	25.60	3.35	3.12	0.00
23.05	3.32	3.08	0.04	25.65	3.35	3.12	0.00
23.10	3.32	3.08	0.04	25.70	3.35	3.12	0.00
23.15	3.32	3.09	0.04	25.75	3.35	3.12	0.00
23.20	3.32	3.09	0.04	25.80	3.35	3.12	0.00
23.25	3.32	3.09	0.04	25.85	3.35	3.12	0.00
23.30	3.32	3.09	0.04	25.90	3.35	3.12	0.00
23.35	3.33	3.09	0.04	25.95	3.35	3.12	0.00

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	3.12	0.00	28.60	3.35	3.12	0.00
26.05	3.35	3.12	0.00	28.65	3.35	3.12	0.00
26.10	3.35	3.12	0.00	28.70	3.35	3.12	0.00
26.15	3.35	3.12	0.00	28.75	3.35	3.12	0.00
26.20	3.35	3.12	0.00	28.80	3.35	3.12	0.00
26.25	3.35	3.12	0.00	28.85	3.35	3.12	0.00
26.30	3.35	3.12	0.00	28.90	3.35	3.12	0.00
26.35	3.35	3.12	0.00	28.95	3.35	3.12	0.00
26.40	3.35	3.12	0.00	29.00	3.35	3.12	0.00
26.45	3.35	3.12	0.00	29.05	3.35	3.12	0.00
26.50	3.35	3.12	0.00	29.10	3.35	3.12	0.00
26.55	3.35	3.12	0.00	29.15	3.35	3.12	0.00
26.60	3.35	3.12	0.00	29.20	3.35	3.12	0.00
26.65	3.35	3.12	0.00	29.25	3.35	3.12	0.00
26.70	3.35	3.12	0.00	29.30	3.35	3.12	0.00
26.75	3.35	3.12	0.00	29.35	3.35	3.12	0.00
26.80	3.35	3.12	0.00	29.40	3.35	3.12	0.00
26.85	3.35	3.12	0.00	29.45	3.35	3.12	0.00
26.90	3.35	3.12	0.00	29.50	3.35	3.12	0.00
26.95	3.35	3.12	0.00	29.55	3.35	3.12	0.00
27.00	3.35	3.12	0.00	29.60	3.35	3.12	0.00
27.05	3.35	3.12	0.00	29.65	3.35	3.12	0.00
27.10	3.35	3.12	0.00	29.70	3.35	3.12	0.00
27.15	3.35	3.12	0.00	29.75	3.35	3.12	0.00
27.20	3.35	3.12	0.00	29.80	3.35	3.12	0.00
27.25	3.35	3.12	0.00	29.85	3.35	3.12	0.00
27.30	3.35	3.12	0.00	29.90	3.35	3.12	0.00
27.35	3.35	3.12	0.00	29.95	3.35	3.12	0.00
27.40	3.35	3.12	0.00	30.00	3.35	3.12	0.00
27.45	3.35	3.12	0.00	30.05	3.35	3.12	0.00
27.50	3.35	3.12	0.00	30.10	3.35	3.12	0.00
27.55	3.35	3.12	0.00	30.15	3.35	3.12	0.00
27.60	3.35	3.12	0.00	30.20	3.35	3.12	0.00
27.65	3.35	3.12	0.00	30.25	3.35	3.12	0.00
27.70	3.35	3.12	0.00	30.30	3.35	3.12	0.00
27.75	3.35	3.12	0.00	30.35	3.35	3.12	0.00
27.80	3.35	3.12	0.00	30.40	3.35	3.12	0.00
27.85	3.35	3.12	0.00	30.45	3.35	3.12	0.00
27.90	3.35	3.12	0.00	30.50	3.35	3.12	0.00
27.95	3.35	3.12	0.00	30.55	3.35	3.12	0.00
28.00	3.35	3.12	0.00	30.60	3.35	3.12	0.00
28.05	3.35	3.12	0.00	30.65	3.35	3.12	0.00
28.10	3.35	3.12	0.00	30.70	3.35	3.12	0.00
28.15	3.35	3.12	0.00	30.75	3.35	3.12	0.00
28.20	3.35	3.12	0.00	30.80	3.35	3.12	0.00
28.25	3.35	3.12	0.00	30.85	3.35	3.12	0.00
28.30	3.35	3.12	0.00	30.90	3.35	3.12	0.00
28.35	3.35	3.12	0.00	30.95	3.35	3.12	0.00
28.40	3.35	3.12	0.00	31.00	3.35	3.12	0.00
28.45	3.35	3.12	0.00	31.05	3.35	3.12	0.00
28.50	3.35	3.12	0.00	31.10	3.35	3.12	0.00
28.55	3.35	3.12	0.00	31.15	3.35	3.12	0.00

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	3.12	0.00	33.80	3.35	3.12	0.00
31.25	3.35	3.12	0.00	33.85	3.35	3.12	0.00
31.30	3.35	3.12	0.00	33.90	3.35	3.12	0.00
31.35	3.35	3.12	0.00	33.95	3.35	3.12	0.00
31.40	3.35	3.12	0.00	34.00	3.35	3.12	0.00
31.45	3.35	3.12	0.00	34.05	3.35	3.12	0.00
31.50	3.35	3.12	0.00	34.10	3.35	3.12	0.00
31.55	3.35	3.12	0.00	34.15	3.35	3.12	0.00
31.60	3.35	3.12	0.00	34.20	3.35	3.12	0.00
31.65	3.35	3.12	0.00	34.25	3.35	3.12	0.00
31.70	3.35	3.12	0.00	34.30	3.35	3.12	0.00
31.75	3.35	3.12	0.00	34.35	3.35	3.12	0.00
31.80	3.35	3.12	0.00	34.40	3.35	3.12	0.00
31.85	3.35	3.12	0.00	34.45	3.35	3.12	0.00
31.90	3.35	3.12	0.00	34.50	3.35	3.12	0.00
31.95	3.35	3.12	0.00	34.55	3.35	3.12	0.00
32.00	3.35	3.12	0.00	34.60	3.35	3.12	0.00
32.05	3.35	3.12	0.00	34.65	3.35	3.12	0.00
32.10	3.35	3.12	0.00	34.70	3.35	3.12	0.00
32.15	3.35	3.12	0.00	34.75	3.35	3.12	0.00
32.20	3.35	3.12	0.00	34.80	3.35	3.12	0.00
32.25	3.35	3.12	0.00	34.85	3.35	3.12	0.00
32.30	3.35	3.12	0.00	34.90	3.35	3.12	0.00
32.35	3.35	3.12	0.00	34.95	3.35	3.12	0.00
32.40	3.35	3.12	0.00	35.00	3.35	3.12	0.00
32.45	3.35	3.12	0.00	35.05	3.35	3.12	0.00
32.50	3.35	3.12	0.00	35.10	3.35	3.12	0.00
32.55	3.35	3.12	0.00	35.15	3.35	3.12	0.00
32.60	3.35	3.12	0.00	35.20	3.35	3.12	0.00
32.65	3.35	3.12	0.00	35.25	3.35	3.12	0.00
32.70	3.35	3.12	0.00	35.30	3.35	3.12	0.00
32.75	3.35	3.12	0.00	35.35	3.35	3.12	0.00
32.80	3.35	3.12	0.00	35.40	3.35	3.12	0.00
32.85	3.35	3.12	0.00	35.45	3.35	3.12	0.00
32.90	3.35	3.12	0.00	35.50	3.35	3.12	0.00
32.95	3.35	3.12	0.00	35.55	3.35	3.12	0.00
33.00	3.35	3.12	0.00	35.60	3.35	3.12	0.00
33.05	3.35	3.12	0.00	35.65	3.35	3.12	0.00
33.10	3.35	3.12	0.00	35.70	3.35	3.12	0.00
33.15	3.35	3.12	0.00	35.75	3.35	3.12	0.00
33.20	3.35	3.12	0.00	35.80	3.35	3.12	0.00
33.25	3.35	3.12	0.00	35.85	3.35	3.12	0.00
33.30	3.35	3.12	0.00	35.90	3.35	3.12	0.00
33.35	3.35	3.12	0.00	35.95	3.35	3.12	0.00
33.40	3.35	3.12	0.00	36.00	3.35	3.12	0.00
33.45	3.35	3.12	0.00	36.05	3.35	3.12	0.00
33.50	3.35	3.12	0.00	36.10	3.35	3.12	0.00
33.55	3.35	3.12	0.00	36.15	3.35	3.12	0.00
33.60	3.35	3.12	0.00	36.20	3.35	3.12	0.00
33.65	3.35	3.12	0.00	36.25	3.35	3.12	0.00
33.70	3.35	3.12	0.00	36.30	3.35	3.12	0.00
33.75	3.35	3.12	0.00	36.35	3.35	3.12	0.00

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	3.12	0.00
36.45	3.35	3.12	0.00
36.50	3.35	3.12	0.00
36.55	3.35	3.12	0.00
36.60	3.35	3.12	0.00
36.65	3.35	3.12	0.00
36.70	3.35	3.12	0.00
36.75	3.35	3.12	0.00
36.80	3.35	3.12	0.00
36.85	3.35	3.12	0.00
36.90	3.35	3.12	0.00
36.95	3.35	3.12	0.00
37.00	3.35	3.12	0.00
37.05	3.35	3.12	0.00
37.10	3.35	3.12	0.00
37.15	3.35	3.12	0.00
37.20	3.35	3.12	0.00
37.25	3.35	3.12	0.00
37.30	3.35	3.12	0.00
37.35	3.35	3.12	0.00
37.40	3.35	3.12	0.00
37.45	3.35	3.12	0.00
37.50	3.35	3.12	0.00
37.55	3.35	3.12	0.00
37.60	3.35	3.12	0.00
37.65	3.35	3.12	0.00
37.70	3.35	3.12	0.00
37.75	3.35	3.12	0.00
37.80	3.35	3.12	0.00
37.85	3.35	3.12	0.00
37.90	3.35	3.12	0.00
37.95	3.35	3.12	0.00
38.00	3.35	3.12	0.00
38.05	3.35	3.12	0.00
38.10	3.35	3.12	0.00
38.15	3.35	3.12	0.00
38.20	3.35	3.12	0.00
38.25	3.35	3.12	0.00
38.30	3.35	3.12	0.00
38.35	3.35	3.12	0.00
38.40	3.35	3.12	0.00
38.45	3.35	3.12	0.00
38.50	3.35	3.12	0.00
38.55	3.35	3.12	0.00
38.60	3.35	3.12	0.00
38.65	3.35	3.12	0.00
38.70	3.35	3.12	0.00
38.75	3.35	3.12	0.00
38.80	3.35	3.12	0.00
38.85	3.35	3.12	0.00
38.90	3.35	3.12	0.00
38.95	3.35	3.12	0.00
39.00	3.35	3.12	0.00
39.05	3.35	3.12	0.00
39.10	3.35	3.12	0.00
39.15	3.35	3.12	0.00
39.20	3.35	3.12	0.00
39.25	3.35	3.12	0.00
39.30	3.35	3.12	0.00
39.35	3.35	3.12	0.00
39.40	3.35	3.12	0.00
39.45	3.35	3.12	0.00
39.50	3.35	3.12	0.00
39.55	3.35	3.12	0.00
39.60	3.35	3.12	0.00
39.65	3.35	3.12	0.00
39.70	3.35	3.12	0.00
39.75	3.35	3.12	0.00
39.80	3.35	3.12	0.00
39.85	3.35	3.12	0.00
39.90	3.35	3.12	0.00
39.95	3.35	3.12	0.00
40.00	3.35	3.12	0.00

Summary for Subcatchment 55P: PDA-55 (pervious)

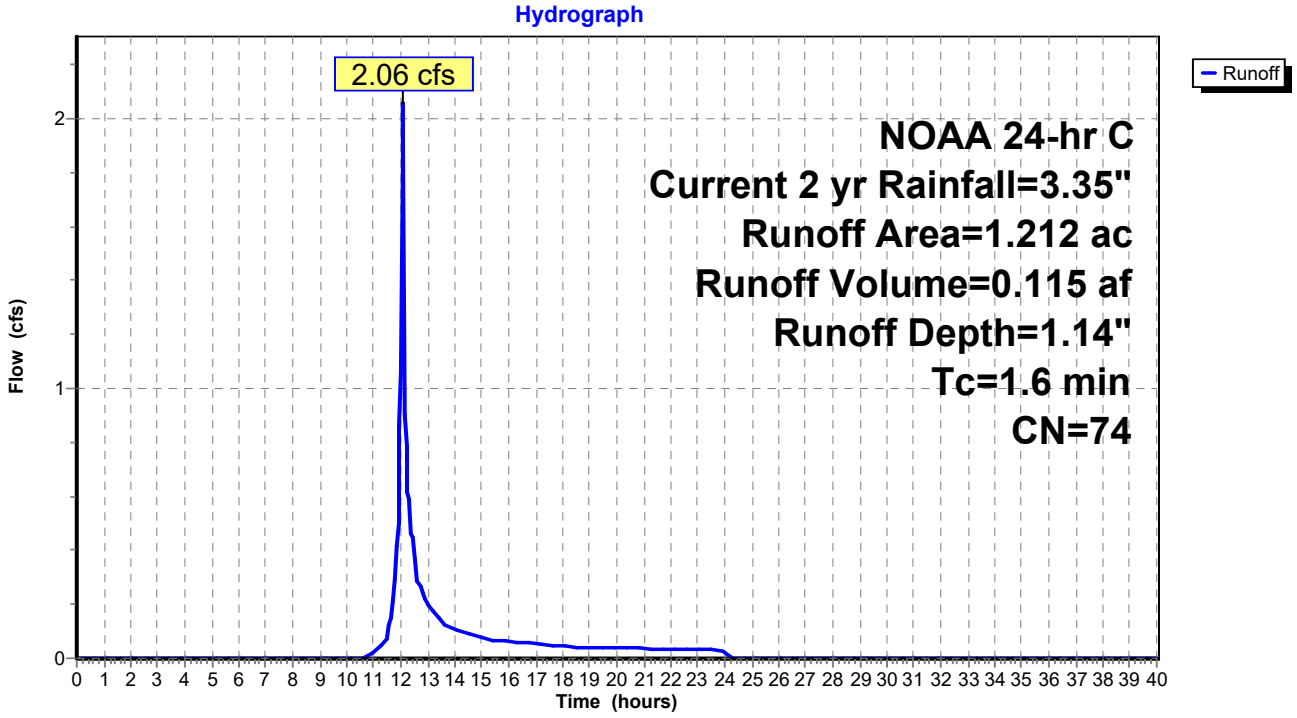
Runoff = 2.06 cfs @ 12.08 hrs, Volume= 0.115 af, Depth= 1.14"
Routed to Pond B-55 : Basin #55

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
1.212	74	>75% Grass cover, Good, HSG C
1.212		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.6					**Direct Entry,**

Subcatchment 55P: PDA-55 (pervious)



Hydrograph for Subcatchment 55P: PDA-55 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.63	0.21
10.45	0.68	0.00	0.00	13.05	2.56	0.64	0.19
10.50	0.69	0.00	0.00	13.10	2.57	0.65	0.18
10.55	0.70	0.00	0.00	13.15	2.58	0.66	0.17
10.60	0.71	0.00	0.00	13.20	2.60	0.66	0.17
10.65	0.72	0.00	0.00	13.25	2.61	0.67	0.16
10.70	0.73	0.00	0.00	13.30	2.62	0.68	0.16
10.75	0.74	0.00	0.01	13.35	2.63	0.68	0.15
10.80	0.75	0.00	0.01	13.40	2.64	0.69	0.15
10.85	0.77	0.00	0.01	13.45	2.65	0.69	0.14
10.90	0.78	0.00	0.01	13.50	2.66	0.70	0.13
10.95	0.79	0.00	0.01	13.55	2.67	0.70	0.12
11.00	0.80	0.00	0.02	13.60	2.68	0.71	0.12
11.05	0.82	0.00	0.02	13.65	2.68	0.71	0.12
11.10	0.83	0.00	0.02	13.70	2.69	0.72	0.12
11.15	0.85	0.01	0.03	13.75	2.70	0.72	0.12
11.20	0.87	0.01	0.03	13.80	2.71	0.73	0.12
11.25	0.89	0.01	0.04	13.85	2.72	0.73	0.11
11.30	0.91	0.01	0.05	13.90	2.72	0.74	0.11
11.35	0.93	0.01	0.06	13.95	2.73	0.74	0.11
11.40	0.95	0.02	0.06	14.00	2.74	0.75	0.11
11.45	0.97	0.02	0.07	14.05	2.75	0.75	0.11
11.50	0.99	0.02	0.08	14.10	2.75	0.76	0.11
11.55	1.02	0.03	0.12	14.15	2.76	0.76	0.10
11.60	1.06	0.03	0.14	14.20	2.77	0.76	0.10
11.65	1.09	0.04	0.16	14.25	2.77	0.77	0.10
11.70	1.13	0.05	0.18	14.30	2.78	0.77	0.10
11.75	1.18	0.06	0.25	14.35	2.79	0.78	0.10
11.80	1.23	0.07	0.29	14.40	2.79	0.78	0.10
11.85	1.29	0.09	0.41	14.45	2.80	0.78	0.09
11.90	1.36	0.10	0.50	14.50	2.81	0.79	0.09
11.95	1.48	0.14	0.86	14.55	2.81	0.79	0.09
12.00	1.60	0.18	1.06	14.60	2.82	0.80	0.09
12.05	1.79	0.26	1.81	14.65	2.82	0.80	0.09
12.10	1.99	0.34	**1.97**	14.70	2.83	0.80	0.08
12.15	2.06	0.38	0.90	14.75	2.84	0.81	0.08
12.20	2.12	0.41	0.79	14.80	2.84	0.81	0.08
12.25	2.17	0.43	0.61	14.85	2.85	0.81	0.08
12.30	2.22	0.46	0.59	14.90	2.85	0.82	0.08
12.35	2.26	0.48	0.46	14.95	2.86	0.82	0.07
12.40	2.29	0.50	0.45	15.00	2.86	0.82	0.07
12.45	2.33	0.51	0.44	15.05	2.87	0.82	0.07
12.50	2.36	0.53	0.43	15.10	2.87	0.83	0.07
12.55	2.38	0.54	0.30	15.15	2.87	0.83	0.07
12.60	2.40	0.55	0.29	15.20	2.88	0.83	0.07
12.65	2.42	0.57	0.28	15.25	2.88	0.84	0.07
12.70	2.44	0.58	0.27	15.30	2.89	0.84	0.07
12.75	2.46	0.59	0.26	15.35	2.89	0.84	0.07
12.80	2.48	0.60	0.25	15.40	2.90	0.84	0.07
12.85	2.50	0.61	0.23	15.45	2.90	0.85	0.07
12.90	2.52	0.62	0.23	15.50	2.91	0.85	0.07
12.95	2.53	0.63	0.21	15.55	2.91	0.85	0.07

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.85	0.07	18.20	3.10	0.97	0.04
15.65	2.92	0.86	0.07	18.25	3.10	0.97	0.04
15.70	2.92	0.86	0.07	18.30	3.10	0.97	0.04
15.75	2.93	0.86	0.06	18.35	3.10	0.97	0.04
15.80	2.93	0.87	0.06	18.40	3.11	0.98	0.04
15.85	2.94	0.87	0.06	18.45	3.11	0.98	0.04
15.90	2.94	0.87	0.06	18.50	3.11	0.98	0.04
15.95	2.94	0.87	0.06	18.55	3.11	0.98	0.04
16.00	2.95	0.88	0.06	18.60	3.12	0.98	0.04
16.05	2.95	0.88	0.06	18.65	3.12	0.98	0.04
16.10	2.96	0.88	0.06	18.70	3.12	0.99	0.04
16.15	2.96	0.88	0.06	18.75	3.12	0.99	0.04
16.20	2.96	0.89	0.06	18.80	3.13	0.99	0.04
16.25	2.97	0.89	0.06	18.85	3.13	0.99	0.04
16.30	2.97	0.89	0.06	18.90	3.13	0.99	0.04
16.35	2.98	0.89	0.06	18.95	3.13	0.99	0.04
16.40	2.98	0.90	0.06	19.00	3.14	1.00	0.04
16.45	2.98	0.90	0.06	19.05	3.14	1.00	0.04
16.50	2.99	0.90	0.06	19.10	3.14	1.00	0.04
16.55	2.99	0.90	0.06	19.15	3.14	1.00	0.04
16.60	3.00	0.91	0.06	19.20	3.15	1.00	0.04
16.65	3.00	0.91	0.06	19.25	3.15	1.00	0.04
16.70	3.00	0.91	0.06	19.30	3.15	1.01	0.04
16.75	3.01	0.91	0.06	19.35	3.15	1.01	0.04
16.80	3.01	0.91	0.06	19.40	3.16	1.01	0.04
16.85	3.01	0.92	0.05	19.45	3.16	1.01	0.04
16.90	3.02	0.92	0.05	19.50	3.16	1.01	0.04
16.95	3.02	0.92	0.05	19.55	3.16	1.01	0.04
17.00	3.02	0.92	0.05	19.60	3.17	1.02	0.04
17.05	3.03	0.93	0.05	19.65	3.17	1.02	0.04
17.10	3.03	0.93	0.05	19.70	3.17	1.02	0.04
17.15	3.03	0.93	0.05	19.75	3.17	1.02	0.04
17.20	3.04	0.93	0.05	19.80	3.18	1.02	0.04
17.25	3.04	0.93	0.05	19.85	3.18	1.02	0.04
17.30	3.04	0.94	0.05	19.90	3.18	1.03	0.04
17.35	3.05	0.94	0.05	19.95	3.18	1.03	0.04
17.40	3.05	0.94	0.05	20.00	3.19	1.03	0.04
17.45	3.05	0.94	0.05	20.05	3.19	1.03	0.04
17.50	3.06	0.94	0.05	20.10	3.19	1.03	0.04
17.55	3.06	0.95	0.05	20.15	3.19	1.03	0.04
17.60	3.06	0.95	0.05	20.20	3.20	1.03	0.04
17.65	3.06	0.95	0.05	20.25	3.20	1.04	0.04
17.70	3.07	0.95	0.05	20.30	3.20	1.04	0.04
17.75	3.07	0.95	0.05	20.35	3.20	1.04	0.04
17.80	3.07	0.96	0.05	20.40	3.20	1.04	0.04
17.85	3.08	0.96	0.04	20.45	3.21	1.04	0.04
17.90	3.08	0.96	0.04	20.50	3.21	1.04	0.04
17.95	3.08	0.96	0.04	20.55	3.21	1.05	0.04
18.00	3.08	0.96	0.04	20.60	3.21	1.05	0.04
18.05	3.09	0.96	0.04	20.65	3.22	1.05	0.04
18.10	3.09	0.97	0.04	20.70	3.22	1.05	0.04
18.15	3.09	0.97	0.04	20.75	3.22	1.05	0.04

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	1.05	0.04	23.40	3.33	1.12	0.03
20.85	3.23	1.05	0.04	23.45	3.33	1.12	0.03
20.90	3.23	1.06	0.04	23.50	3.33	1.13	0.03
20.95	3.23	1.06	0.04	23.55	3.33	1.13	0.03
21.00	3.23	1.06	0.04	23.60	3.34	1.13	0.03
21.05	3.23	1.06	0.04	23.65	3.34	1.13	0.03
21.10	3.24	1.06	0.04	23.70	3.34	1.13	0.03
21.15	3.24	1.06	0.04	23.75	3.34	1.13	0.03
21.20	3.24	1.06	0.04	23.80	3.34	1.13	0.03
21.25	3.24	1.07	0.04	23.85	3.34	1.13	0.03
21.30	3.24	1.07	0.04	23.90	3.35	1.13	0.03
21.35	3.25	1.07	0.03	23.95	3.35	1.14	0.03
21.40	3.25	1.07	0.03	24.00	**3.35**	**1.14**	0.03
21.45	3.25	1.07	0.03	24.05	3.35	1.14	0.00
21.50	3.25	1.07	0.03	24.10	3.35	1.14	0.00
21.55	3.26	1.07	0.03	24.15	3.35	1.14	0.00
21.60	3.26	1.08	0.03	24.20	3.35	1.14	0.00
21.65	3.26	1.08	0.03	24.25	3.35	1.14	0.00
21.70	3.26	1.08	0.03	24.30	3.35	1.14	0.00
21.75	3.26	1.08	0.03	24.35	3.35	1.14	0.00
21.80	3.27	1.08	0.03	24.40	3.35	1.14	0.00
21.85	3.27	1.08	0.03	24.45	3.35	1.14	0.00
21.90	3.27	1.08	0.03	24.50	3.35	1.14	0.00
21.95	3.27	1.09	0.03	24.55	3.35	1.14	0.00
22.00	3.27	1.09	0.03	24.60	3.35	1.14	0.00
22.05	3.28	1.09	0.03	24.65	3.35	1.14	0.00
22.10	3.28	1.09	0.03	24.70	3.35	1.14	0.00
22.15	3.28	1.09	0.03	24.75	3.35	1.14	0.00
22.20	3.28	1.09	0.03	24.80	3.35	1.14	0.00
22.25	3.28	1.09	0.03	24.85	3.35	1.14	0.00
22.30	3.29	1.09	0.03	24.90	3.35	1.14	0.00
22.35	3.29	1.10	0.03	24.95	3.35	1.14	0.00
22.40	3.29	1.10	0.03	25.00	3.35	1.14	0.00
22.45	3.29	1.10	0.03	25.05	3.35	1.14	0.00
22.50	3.29	1.10	0.03	25.10	3.35	1.14	0.00
22.55	3.30	1.10	0.03	25.15	3.35	1.14	0.00
22.60	3.30	1.10	0.03	25.20	3.35	1.14	0.00
22.65	3.30	1.10	0.03	25.25	3.35	1.14	0.00
22.70	3.30	1.11	0.03	25.30	3.35	1.14	0.00
22.75	3.30	1.11	0.03	25.35	3.35	1.14	0.00
22.80	3.31	1.11	0.03	25.40	3.35	1.14	0.00
22.85	3.31	1.11	0.03	25.45	3.35	1.14	0.00
22.90	3.31	1.11	0.03	25.50	3.35	1.14	0.00
22.95	3.31	1.11	0.03	25.55	3.35	1.14	0.00
23.00	3.31	1.11	0.03	25.60	3.35	1.14	0.00
23.05	3.32	1.11	0.03	25.65	3.35	1.14	0.00
23.10	3.32	1.12	0.03	25.70	3.35	1.14	0.00
23.15	3.32	1.12	0.03	25.75	3.35	1.14	0.00
23.20	3.32	1.12	0.03	25.80	3.35	1.14	0.00
23.25	3.32	1.12	0.03	25.85	3.35	1.14	0.00
23.30	3.32	1.12	0.03	25.90	3.35	1.14	0.00
23.35	3.33	1.12	0.03	25.95	3.35	1.14	0.00

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	1.14	0.00	28.60	3.35	1.14	0.00
26.05	3.35	1.14	0.00	28.65	3.35	1.14	0.00
26.10	3.35	1.14	0.00	28.70	3.35	1.14	0.00
26.15	3.35	1.14	0.00	28.75	3.35	1.14	0.00
26.20	3.35	1.14	0.00	28.80	3.35	1.14	0.00
26.25	3.35	1.14	0.00	28.85	3.35	1.14	0.00
26.30	3.35	1.14	0.00	28.90	3.35	1.14	0.00
26.35	3.35	1.14	0.00	28.95	3.35	1.14	0.00
26.40	3.35	1.14	0.00	29.00	3.35	1.14	0.00
26.45	3.35	1.14	0.00	29.05	3.35	1.14	0.00
26.50	3.35	1.14	0.00	29.10	3.35	1.14	0.00
26.55	3.35	1.14	0.00	29.15	3.35	1.14	0.00
26.60	3.35	1.14	0.00	29.20	3.35	1.14	0.00
26.65	3.35	1.14	0.00	29.25	3.35	1.14	0.00
26.70	3.35	1.14	0.00	29.30	3.35	1.14	0.00
26.75	3.35	1.14	0.00	29.35	3.35	1.14	0.00
26.80	3.35	1.14	0.00	29.40	3.35	1.14	0.00
26.85	3.35	1.14	0.00	29.45	3.35	1.14	0.00
26.90	3.35	1.14	0.00	29.50	3.35	1.14	0.00
26.95	3.35	1.14	0.00	29.55	3.35	1.14	0.00
27.00	3.35	1.14	0.00	29.60	3.35	1.14	0.00
27.05	3.35	1.14	0.00	29.65	3.35	1.14	0.00
27.10	3.35	1.14	0.00	29.70	3.35	1.14	0.00
27.15	3.35	1.14	0.00	29.75	3.35	1.14	0.00
27.20	3.35	1.14	0.00	29.80	3.35	1.14	0.00
27.25	3.35	1.14	0.00	29.85	3.35	1.14	0.00
27.30	3.35	1.14	0.00	29.90	3.35	1.14	0.00
27.35	3.35	1.14	0.00	29.95	3.35	1.14	0.00
27.40	3.35	1.14	0.00	30.00	3.35	1.14	0.00
27.45	3.35	1.14	0.00	30.05	3.35	1.14	0.00
27.50	3.35	1.14	0.00	30.10	3.35	1.14	0.00
27.55	3.35	1.14	0.00	30.15	3.35	1.14	0.00
27.60	3.35	1.14	0.00	30.20	3.35	1.14	0.00
27.65	3.35	1.14	0.00	30.25	3.35	1.14	0.00
27.70	3.35	1.14	0.00	30.30	3.35	1.14	0.00
27.75	3.35	1.14	0.00	30.35	3.35	1.14	0.00
27.80	3.35	1.14	0.00	30.40	3.35	1.14	0.00
27.85	3.35	1.14	0.00	30.45	3.35	1.14	0.00
27.90	3.35	1.14	0.00	30.50	3.35	1.14	0.00
27.95	3.35	1.14	0.00	30.55	3.35	1.14	0.00
28.00	3.35	1.14	0.00	30.60	3.35	1.14	0.00
28.05	3.35	1.14	0.00	30.65	3.35	1.14	0.00
28.10	3.35	1.14	0.00	30.70	3.35	1.14	0.00
28.15	3.35	1.14	0.00	30.75	3.35	1.14	0.00
28.20	3.35	1.14	0.00	30.80	3.35	1.14	0.00
28.25	3.35	1.14	0.00	30.85	3.35	1.14	0.00
28.30	3.35	1.14	0.00	30.90	3.35	1.14	0.00
28.35	3.35	1.14	0.00	30.95	3.35	1.14	0.00
28.40	3.35	1.14	0.00	31.00	3.35	1.14	0.00
28.45	3.35	1.14	0.00	31.05	3.35	1.14	0.00
28.50	3.35	1.14	0.00	31.10	3.35	1.14	0.00
28.55	3.35	1.14	0.00	31.15	3.35	1.14	0.00

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	1.14	0.00	33.80	3.35	1.14	0.00
31.25	3.35	1.14	0.00	33.85	3.35	1.14	0.00
31.30	3.35	1.14	0.00	33.90	3.35	1.14	0.00
31.35	3.35	1.14	0.00	33.95	3.35	1.14	0.00
31.40	3.35	1.14	0.00	34.00	3.35	1.14	0.00
31.45	3.35	1.14	0.00	34.05	3.35	1.14	0.00
31.50	3.35	1.14	0.00	34.10	3.35	1.14	0.00
31.55	3.35	1.14	0.00	34.15	3.35	1.14	0.00
31.60	3.35	1.14	0.00	34.20	3.35	1.14	0.00
31.65	3.35	1.14	0.00	34.25	3.35	1.14	0.00
31.70	3.35	1.14	0.00	34.30	3.35	1.14	0.00
31.75	3.35	1.14	0.00	34.35	3.35	1.14	0.00
31.80	3.35	1.14	0.00	34.40	3.35	1.14	0.00
31.85	3.35	1.14	0.00	34.45	3.35	1.14	0.00
31.90	3.35	1.14	0.00	34.50	3.35	1.14	0.00
31.95	3.35	1.14	0.00	34.55	3.35	1.14	0.00
32.00	3.35	1.14	0.00	34.60	3.35	1.14	0.00
32.05	3.35	1.14	0.00	34.65	3.35	1.14	0.00
32.10	3.35	1.14	0.00	34.70	3.35	1.14	0.00
32.15	3.35	1.14	0.00	34.75	3.35	1.14	0.00
32.20	3.35	1.14	0.00	34.80	3.35	1.14	0.00
32.25	3.35	1.14	0.00	34.85	3.35	1.14	0.00
32.30	3.35	1.14	0.00	34.90	3.35	1.14	0.00
32.35	3.35	1.14	0.00	34.95	3.35	1.14	0.00
32.40	3.35	1.14	0.00	35.00	3.35	1.14	0.00
32.45	3.35	1.14	0.00	35.05	3.35	1.14	0.00
32.50	3.35	1.14	0.00	35.10	3.35	1.14	0.00
32.55	3.35	1.14	0.00	35.15	3.35	1.14	0.00
32.60	3.35	1.14	0.00	35.20	3.35	1.14	0.00
32.65	3.35	1.14	0.00	35.25	3.35	1.14	0.00
32.70	3.35	1.14	0.00	35.30	3.35	1.14	0.00
32.75	3.35	1.14	0.00	35.35	3.35	1.14	0.00
32.80	3.35	1.14	0.00	35.40	3.35	1.14	0.00
32.85	3.35	1.14	0.00	35.45	3.35	1.14	0.00
32.90	3.35	1.14	0.00	35.50	3.35	1.14	0.00
32.95	3.35	1.14	0.00	35.55	3.35	1.14	0.00
33.00	3.35	1.14	0.00	35.60	3.35	1.14	0.00
33.05	3.35	1.14	0.00	35.65	3.35	1.14	0.00
33.10	3.35	1.14	0.00	35.70	3.35	1.14	0.00
33.15	3.35	1.14	0.00	35.75	3.35	1.14	0.00
33.20	3.35	1.14	0.00	35.80	3.35	1.14	0.00
33.25	3.35	1.14	0.00	35.85	3.35	1.14	0.00
33.30	3.35	1.14	0.00	35.90	3.35	1.14	0.00
33.35	3.35	1.14	0.00	35.95	3.35	1.14	0.00
33.40	3.35	1.14	0.00	36.00	3.35	1.14	0.00
33.45	3.35	1.14	0.00	36.05	3.35	1.14	0.00
33.50	3.35	1.14	0.00	36.10	3.35	1.14	0.00
33.55	3.35	1.14	0.00	36.15	3.35	1.14	0.00
33.60	3.35	1.14	0.00	36.20	3.35	1.14	0.00
33.65	3.35	1.14	0.00	36.25	3.35	1.14	0.00
33.70	3.35	1.14	0.00	36.30	3.35	1.14	0.00
33.75	3.35	1.14	0.00	36.35	3.35	1.14	0.00

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	1.14	0.00
36.45	3.35	1.14	0.00
36.50	3.35	1.14	0.00
36.55	3.35	1.14	0.00
36.60	3.35	1.14	0.00
36.65	3.35	1.14	0.00
36.70	3.35	1.14	0.00
36.75	3.35	1.14	0.00
36.80	3.35	1.14	0.00
36.85	3.35	1.14	0.00
36.90	3.35	1.14	0.00
36.95	3.35	1.14	0.00
37.00	3.35	1.14	0.00
37.05	3.35	1.14	0.00
37.10	3.35	1.14	0.00
37.15	3.35	1.14	0.00
37.20	3.35	1.14	0.00
37.25	3.35	1.14	0.00
37.30	3.35	1.14	0.00
37.35	3.35	1.14	0.00
37.40	3.35	1.14	0.00
37.45	3.35	1.14	0.00
37.50	3.35	1.14	0.00
37.55	3.35	1.14	0.00
37.60	3.35	1.14	0.00
37.65	3.35	1.14	0.00
37.70	3.35	1.14	0.00
37.75	3.35	1.14	0.00
37.80	3.35	1.14	0.00
37.85	3.35	1.14	0.00
37.90	3.35	1.14	0.00
37.95	3.35	1.14	0.00
38.00	3.35	1.14	0.00
38.05	3.35	1.14	0.00
38.10	3.35	1.14	0.00
38.15	3.35	1.14	0.00
38.20	3.35	1.14	0.00
38.25	3.35	1.14	0.00
38.30	3.35	1.14	0.00
38.35	3.35	1.14	0.00
38.40	3.35	1.14	0.00
38.45	3.35	1.14	0.00
38.50	3.35	1.14	0.00
38.55	3.35	1.14	0.00
38.60	3.35	1.14	0.00
38.65	3.35	1.14	0.00
38.70	3.35	1.14	0.00
38.75	3.35	1.14	0.00
38.80	3.35	1.14	0.00
38.85	3.35	1.14	0.00
38.90	3.35	1.14	0.00
38.95	3.35	1.14	0.00
39.00	3.35	1.14	0.00
39.05	3.35	1.14	0.00
39.10	3.35	1.14	0.00
39.15	3.35	1.14	0.00
39.20	3.35	1.14	0.00
39.25	3.35	1.14	0.00
39.30	3.35	1.14	0.00
39.35	3.35	1.14	0.00
39.40	3.35	1.14	0.00
39.45	3.35	1.14	0.00
39.50	3.35	1.14	0.00
39.55	3.35	1.14	0.00
39.60	3.35	1.14	0.00
39.65	3.35	1.14	0.00
39.70	3.35	1.14	0.00
39.75	3.35	1.14	0.00
39.80	3.35	1.14	0.00
39.85	3.35	1.14	0.00
39.90	3.35	1.14	0.00
39.95	3.35	1.14	0.00
40.00	3.35	1.14	0.00

Summary for Subcatchment 56l: PDA-56 (impervious)

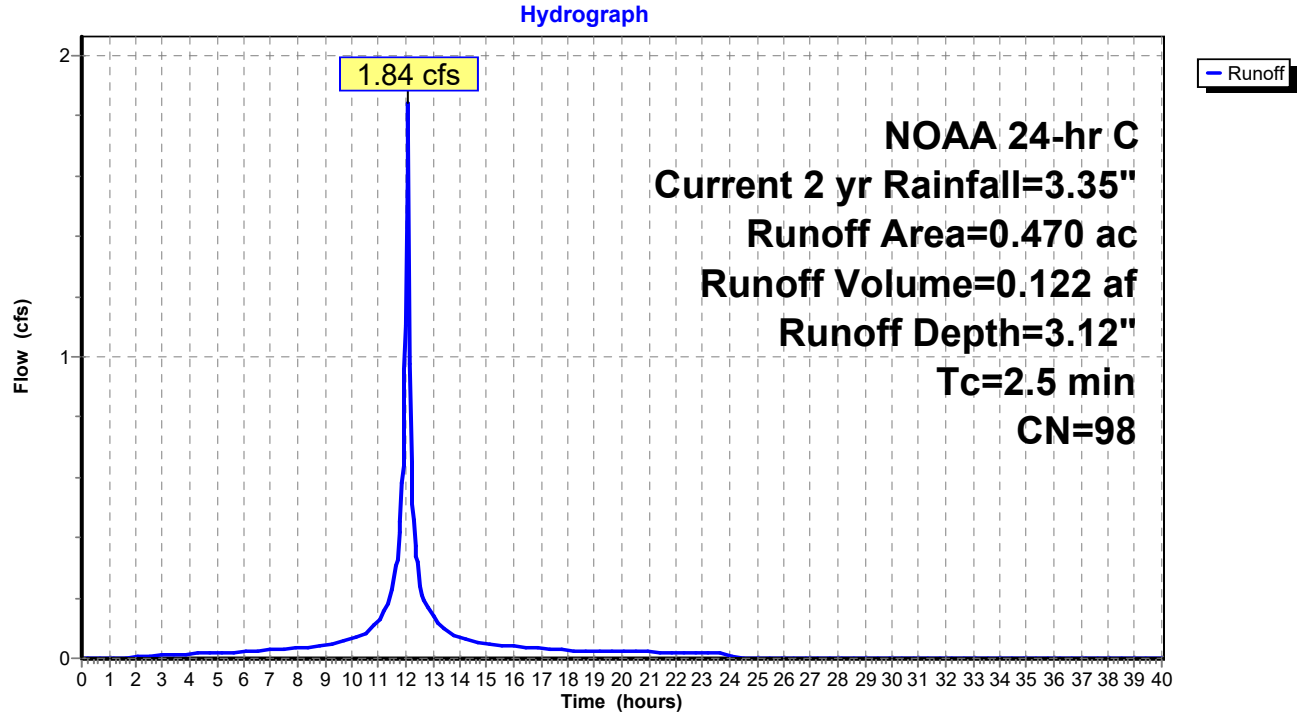
Runoff = 1.84 cfs @ 12.08 hrs, Volume= 0.122 af, Depth= 3.12"
Routed to Pond B-56 : Basin #56

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

	Area (ac)	CN	Description
*	0.470	98	Roof, HSG C
	0.470		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.5					**Direct Entry,**

Subcatchment 56l: PDA-56 (impervious)



Hydrograph for Subcatchment 56I: PDA-56 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.01	0.01
0.05	0.00	0.00	0.00	2.65	0.10	0.01	0.01
0.10	0.00	0.00	0.00	2.70	0.11	0.02	0.01
0.15	0.01	0.00	0.00	2.75	0.11	0.02	0.01
0.20	0.01	0.00	0.00	2.80	0.11	0.02	0.01
0.25	0.01	0.00	0.00	2.85	0.11	0.02	0.01
0.30	0.01	0.00	0.00	2.90	0.11	0.02	0.01
0.35	0.01	0.00	0.00	2.95	0.12	0.02	0.01
0.40	0.01	0.00	0.00	3.00	0.12	0.02	0.01
0.45	0.02	0.00	0.00	3.05	0.12	0.02	0.01
0.50	0.02	0.00	0.00	3.10	0.12	0.02	0.01
0.55	0.02	0.00	0.00	3.15	0.12	0.02	0.01
0.60	0.02	0.00	0.00	3.20	0.13	0.03	0.01
0.65	0.02	0.00	0.00	3.25	0.13	0.03	0.01
0.70	0.03	0.00	0.00	3.30	0.13	0.03	0.01
0.75	0.03	0.00	0.00	3.35	0.13	0.03	0.01
0.80	0.03	0.00	0.00	3.40	0.14	0.03	0.01
0.85	0.03	0.00	0.00	3.45	0.14	0.03	0.01
0.90	0.03	0.00	0.00	3.50	0.14	0.03	0.01
0.95	0.03	0.00	0.00	3.55	0.14	0.03	0.01
1.00	0.04	0.00	0.00	3.60	0.15	0.04	0.01
1.05	0.04	0.00	0.00	3.65	0.15	0.04	0.01
1.10	0.04	0.00	0.00	3.70	0.15	0.04	0.01
1.15	0.04	0.00	0.00	3.75	0.15	0.04	0.01
1.20	0.04	0.00	0.00	3.80	0.15	0.04	0.01
1.25	0.05	0.00	0.00	3.85	0.16	0.04	0.01
1.30	0.05	0.00	0.00	3.90	0.16	0.04	0.01
1.35	0.05	0.00	0.00	3.95	0.16	0.04	0.01
1.40	0.05	0.00	0.00	4.00	0.16	0.05	0.01
1.45	0.05	0.00	0.00	4.05	0.17	0.05	0.01
1.50	0.06	0.00	0.00	4.10	0.17	0.05	0.01
1.55	0.06	0.00	0.00	4.15	0.17	0.05	0.01
1.60	0.06	0.00	0.00	4.20	0.17	0.05	0.01
1.65	0.06	0.00	0.00	4.25	0.18	0.05	0.01
1.70	0.06	0.00	0.00	4.30	0.18	0.06	0.01
1.75	0.07	0.00	0.00	4.35	0.18	0.06	0.01
1.80	0.07	0.00	0.00	4.40	0.18	0.06	0.01
1.85	0.07	0.00	0.00	4.45	0.19	0.06	0.02
1.90	0.07	0.00	0.00	4.50	0.19	0.06	0.02
1.95	0.07	0.00	0.00	4.55	0.19	0.06	0.02
2.00	0.08	0.01	0.01	4.60	0.19	0.07	0.02
2.05	0.08	0.01	0.01	4.65	0.20	0.07	0.02
2.10	0.08	0.01	0.01	4.70	0.20	0.07	0.02
2.15	0.08	0.01	0.01	4.75	0.20	0.07	0.02
2.20	0.08	0.01	0.01	4.80	0.20	0.07	0.02
2.25	0.09	0.01	0.01	4.85	0.21	0.07	0.02
2.30	0.09	0.01	0.01	4.90	0.21	0.08	0.02
2.35	0.09	0.01	0.01	4.95	0.21	0.08	0.02
2.40	0.09	0.01	0.01	5.00	0.21	0.08	0.02
2.45	0.09	0.01	0.01	5.05	0.22	0.08	0.02
2.50	0.10	0.01	0.01	5.10	0.22	0.08	0.02
2.55	0.10	0.01	0.01	5.15	0.22	0.08	0.02

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.09	0.02	7.80	0.39	0.22	0.03
5.25	0.23	0.09	0.02	7.85	0.39	0.22	0.03
5.30	0.23	0.09	0.02	7.90	0.39	0.22	0.03
5.35	0.23	0.09	0.02	7.95	0.40	0.23	0.03
5.40	0.23	0.09	0.02	8.00	0.40	0.23	0.03
5.45	0.24	0.10	0.02	8.05	0.41	0.23	0.03
5.50	0.24	0.10	0.02	8.10	0.41	0.24	0.03
5.55	0.24	0.10	0.02	8.15	0.41	0.24	0.03
5.60	0.24	0.10	0.02	8.20	0.42	0.24	0.03
5.65	0.25	0.10	0.02	8.25	0.42	0.25	0.03
5.70	0.25	0.11	0.02	8.30	0.43	0.25	0.04
5.75	0.25	0.11	0.02	8.35	0.43	0.26	0.04
5.80	0.25	0.11	0.02	8.40	0.43	0.26	0.04
5.85	0.26	0.11	0.02	8.45	0.44	0.26	0.04
5.90	0.26	0.11	0.02	8.50	0.44	0.27	0.04
5.95	0.26	0.12	0.02	8.55	0.45	0.27	0.04
6.00	0.27	0.12	0.02	8.60	0.45	0.28	0.04
6.05	0.27	0.12	0.02	8.65	0.46	0.28	0.04
6.10	0.27	0.12	0.02	8.70	0.46	0.28	0.04
6.15	0.27	0.12	0.02	8.75	0.47	0.29	0.04
6.20	0.28	0.13	0.02	8.80	0.47	0.29	0.04
6.25	0.28	0.13	0.02	8.85	0.48	0.30	0.04
6.30	0.28	0.13	0.02	8.90	0.48	0.30	0.04
6.35	0.29	0.13	0.02	8.95	0.48	0.30	0.04
6.40	0.29	0.14	0.02	9.00	0.49	0.31	0.04
6.45	0.29	0.14	0.02	9.05	0.49	0.31	0.04
6.50	0.29	0.14	0.02	9.10	0.50	0.32	0.04
6.55	0.30	0.14	0.02	9.15	0.50	0.32	0.04
6.60	0.30	0.15	0.02	9.20	0.51	0.33	0.04
6.65	0.30	0.15	0.02	9.25	0.51	0.33	0.05
6.70	0.31	0.15	0.02	9.30	0.52	0.34	0.05
6.75	0.31	0.15	0.02	9.35	0.53	0.34	0.05
6.80	0.31	0.16	0.02	9.40	0.53	0.35	0.05
6.85	0.32	0.16	0.03	9.45	0.54	0.35	0.05
6.90	0.32	0.16	0.03	9.50	0.54	0.36	0.05
6.95	0.32	0.16	0.03	9.55	0.55	0.36	0.05
7.00	0.33	0.17	0.03	9.60	0.56	0.37	0.05
7.05	0.33	0.17	0.03	9.65	0.56	0.38	0.06
7.10	0.33	0.17	0.03	9.70	0.57	0.38	0.06
7.15	0.34	0.18	0.03	9.75	0.58	0.39	0.06
7.20	0.34	0.18	0.03	9.80	0.58	0.39	0.06
7.25	0.34	0.18	0.03	9.85	0.59	0.40	0.06
7.30	0.35	0.18	0.03	9.90	0.60	0.41	0.06
7.35	0.35	0.19	0.03	9.95	0.60	0.41	0.06
7.40	0.35	0.19	0.03	10.00	0.61	0.42	0.06
7.45	0.36	0.19	0.03	10.05	0.62	0.43	0.07
7.50	0.36	0.20	0.03	10.10	0.63	0.43	0.07
7.55	0.37	0.20	0.03	10.15	0.63	0.44	0.07
7.60	0.37	0.20	0.03	10.20	0.64	0.45	0.07
7.65	0.37	0.21	0.03	10.25	0.65	0.46	0.07
7.70	0.38	0.21	0.03	10.30	0.66	0.46	0.07
7.75	0.38	0.21	0.03	10.35	0.67	0.47	0.07

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.48	0.07	13.00	2.55	2.32	0.14
10.45	0.68	0.49	0.07	13.05	2.56	2.33	0.13
10.50	0.69	0.49	0.08	13.10	2.57	2.34	0.13
10.55	0.70	0.50	0.08	13.15	2.58	2.36	0.12
10.60	0.71	0.51	0.08	13.20	2.60	2.37	0.12
10.65	0.72	0.52	0.09	13.25	2.61	2.38	0.11
10.70	0.73	0.53	0.09	13.30	2.62	2.39	0.11
10.75	0.74	0.54	0.10	13.35	2.63	2.40	0.10
10.80	0.75	0.55	0.10	13.40	2.64	2.41	0.10
10.85	0.77	0.57	0.11	13.45	2.65	2.42	0.09
10.90	0.78	0.58	0.11	13.50	2.66	2.43	0.09
10.95	0.79	0.59	0.12	13.55	2.67	2.44	0.08
11.00	0.80	0.60	0.12	13.60	2.68	2.45	0.08
11.05	0.82	0.62	0.13	13.65	2.68	2.45	0.08
11.10	0.83	0.63	0.14	13.70	2.69	2.46	0.08
11.15	0.85	0.65	0.15	13.75	2.70	2.47	0.08
11.20	0.87	0.66	0.15	13.80	2.71	2.48	0.08
11.25	0.89	0.68	0.17	13.85	2.72	2.49	0.07
11.30	0.91	0.70	0.17	13.90	2.72	2.49	0.07
11.35	0.93	0.72	0.18	13.95	2.73	2.50	0.07
11.40	0.95	0.74	0.19	14.00	2.74	2.51	0.07
11.45	0.97	0.76	0.20	14.05	2.75	2.52	0.07
11.50	0.99	0.78	0.20	14.10	2.75	2.52	0.07
11.55	1.02	0.81	0.28	14.15	2.76	2.53	0.07
11.60	1.06	0.85	0.31	14.20	2.77	2.54	0.07
11.65	1.09	0.88	0.32	14.25	2.77	2.54	0.06
11.70	1.13	0.92	0.33	14.30	2.78	2.55	0.06
11.75	1.18	0.96	0.42	14.35	2.79	2.56	0.06
11.80	1.23	1.01	0.46	14.40	2.79	2.56	0.06
11.85	1.29	1.08	0.58	14.45	2.80	2.57	0.06
11.90	1.36	1.14	0.64	14.50	2.81	2.58	0.06
11.95	1.48	1.26	0.96	14.55	2.81	2.58	0.06
12.00	1.60	1.38	1.11	14.60	2.82	2.59	0.06
12.05	1.79	1.57	1.62	14.65	2.82	2.59	0.05
12.10	1.99	1.76	**1.79**	14.70	2.83	2.60	0.05
12.15	2.06	1.83	0.98	14.75	2.84	2.60	0.05
12.20	2.12	1.90	0.65	14.80	2.84	2.61	0.05
12.25	2.17	1.95	0.51	14.85	2.85	2.61	0.05
12.30	2.22	1.99	0.46	14.90	2.85	2.62	0.05
12.35	2.26	2.03	0.37	14.95	2.86	2.62	0.05
12.40	2.29	2.06	0.34	15.00	2.86	2.63	0.05
12.45	2.33	2.10	0.32	15.05	2.87	2.63	0.05
12.50	2.36	2.13	0.32	15.10	2.87	2.64	0.04
12.55	2.38	2.15	0.24	15.15	2.87	2.64	0.04
12.60	2.40	2.18	0.21	15.20	2.88	2.65	0.04
12.65	2.42	2.20	0.20	15.25	2.88	2.65	0.04
12.70	2.44	2.22	0.19	15.30	2.89	2.66	0.04
12.75	2.46	2.23	0.18	15.35	2.89	2.66	0.04
12.80	2.48	2.25	0.18	15.40	2.90	2.67	0.04
12.85	2.50	2.27	0.16	15.45	2.90	2.67	0.04
12.90	2.52	2.29	0.16	15.50	2.91	2.68	0.04
12.95	2.53	2.30	0.15	15.55	2.91	2.68	0.04

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	2.68	0.04	18.20	3.10	2.86	0.03
15.65	2.92	2.69	0.04	18.25	3.10	2.87	0.03
15.70	2.92	2.69	0.04	18.30	3.10	2.87	0.03
15.75	2.93	2.70	0.04	18.35	3.10	2.87	0.03
15.80	2.93	2.70	0.04	18.40	3.11	2.87	0.02
15.85	2.94	2.70	0.04	18.45	3.11	2.88	0.02
15.90	2.94	2.71	0.04	18.50	3.11	2.88	0.02
15.95	2.94	2.71	0.04	18.55	3.11	2.88	0.02
16.00	2.95	2.72	0.04	18.60	3.12	2.88	0.02
16.05	2.95	2.72	0.04	18.65	3.12	2.89	0.02
16.10	2.96	2.73	0.04	18.70	3.12	2.89	0.02
16.15	2.96	2.73	0.04	18.75	3.12	2.89	0.02
16.20	2.96	2.73	0.04	18.80	3.13	2.89	0.02
16.25	2.97	2.74	0.04	18.85	3.13	2.90	0.02
16.30	2.97	2.74	0.04	18.90	3.13	2.90	0.02
16.35	2.98	2.74	0.04	18.95	3.13	2.90	0.02
16.40	2.98	2.75	0.04	19.00	3.14	2.90	0.02
16.45	2.98	2.75	0.04	19.05	3.14	2.91	0.02
16.50	2.99	2.76	0.04	19.10	3.14	2.91	0.02
16.55	2.99	2.76	0.04	19.15	3.14	2.91	0.02
16.60	3.00	2.76	0.03	19.20	3.15	2.91	0.02
16.65	3.00	2.77	0.03	19.25	3.15	2.92	0.02
16.70	3.00	2.77	0.03	19.30	3.15	2.92	0.02
16.75	3.01	2.77	0.03	19.35	3.15	2.92	0.02
16.80	3.01	2.78	0.03	19.40	3.16	2.92	0.02
16.85	3.01	2.78	0.03	19.45	3.16	2.93	0.02
16.90	3.02	2.78	0.03	19.50	3.16	2.93	0.02
16.95	3.02	2.79	0.03	19.55	3.16	2.93	0.02
17.00	3.02	2.79	0.03	19.60	3.17	2.93	0.02
17.05	3.03	2.79	0.03	19.65	3.17	2.94	0.02
17.10	3.03	2.80	0.03	19.70	3.17	2.94	0.02
17.15	3.03	2.80	0.03	19.75	3.17	2.94	0.02
17.20	3.04	2.80	0.03	19.80	3.18	2.94	0.02
17.25	3.04	2.81	0.03	19.85	3.18	2.95	0.02
17.30	3.04	2.81	0.03	19.90	3.18	2.95	0.02
17.35	3.05	2.81	0.03	19.95	3.18	2.95	0.02
17.40	3.05	2.82	0.03	20.00	3.19	2.95	0.02
17.45	3.05	2.82	0.03	20.05	3.19	2.96	0.02
17.50	3.06	2.82	0.03	20.10	3.19	2.96	0.02
17.55	3.06	2.83	0.03	20.15	3.19	2.96	0.02
17.60	3.06	2.83	0.03	20.20	3.20	2.96	0.02
17.65	3.06	2.83	0.03	20.25	3.20	2.97	0.02
17.70	3.07	2.84	0.03	20.30	3.20	2.97	0.02
17.75	3.07	2.84	0.03	20.35	3.20	2.97	0.02
17.80	3.07	2.84	0.03	20.40	3.20	2.97	0.02
17.85	3.08	2.84	0.03	20.45	3.21	2.97	0.02
17.90	3.08	2.85	0.03	20.50	3.21	2.98	0.02
17.95	3.08	2.85	0.03	20.55	3.21	2.98	0.02
18.00	3.08	2.85	0.03	20.60	3.21	2.98	0.02
18.05	3.09	2.86	0.03	20.65	3.22	2.98	0.02
18.10	3.09	2.86	0.03	20.70	3.22	2.99	0.02
18.15	3.09	2.86	0.03	20.75	3.22	2.99	0.02

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	2.99	0.02	23.40	3.33	3.10	0.02
20.85	3.23	2.99	0.02	23.45	3.33	3.10	0.02
20.90	3.23	2.99	0.02	23.50	3.33	3.10	0.02
20.95	3.23	3.00	0.02	23.55	3.33	3.10	0.02
21.00	3.23	3.00	0.02	23.60	3.34	3.10	0.02
21.05	3.23	3.00	0.02	23.65	3.34	3.10	0.02
21.10	3.24	3.00	0.02	23.70	3.34	3.11	0.02
21.15	3.24	3.01	0.02	23.75	3.34	3.11	0.02
21.20	3.24	3.01	0.02	23.80	3.34	3.11	0.02
21.25	3.24	3.01	0.02	23.85	3.34	3.11	0.02
21.30	3.24	3.01	0.02	23.90	3.35	3.11	0.02
21.35	3.25	3.01	0.02	23.95	3.35	3.11	0.02
21.40	3.25	3.02	0.02	24.00	**3.35**	**3.12**	0.02
21.45	3.25	3.02	0.02	24.05	3.35	3.12	0.01
21.50	3.25	3.02	0.02	24.10	3.35	3.12	0.00
21.55	3.26	3.02	0.02	24.15	3.35	3.12	0.00
21.60	3.26	3.02	0.02	24.20	3.35	3.12	0.00
21.65	3.26	3.03	0.02	24.25	3.35	3.12	0.00
21.70	3.26	3.03	0.02	24.30	3.35	3.12	0.00
21.75	3.26	3.03	0.02	24.35	3.35	3.12	0.00
21.80	3.27	3.03	0.02	24.40	3.35	3.12	0.00
21.85	3.27	3.04	0.02	24.45	3.35	3.12	0.00
21.90	3.27	3.04	0.02	24.50	3.35	3.12	0.00
21.95	3.27	3.04	0.02	24.55	3.35	3.12	0.00
22.00	3.27	3.04	0.02	24.60	3.35	3.12	0.00
22.05	3.28	3.04	0.02	24.65	3.35	3.12	0.00
22.10	3.28	3.05	0.02	24.70	3.35	3.12	0.00
22.15	3.28	3.05	0.02	24.75	3.35	3.12	0.00
22.20	3.28	3.05	0.02	24.80	3.35	3.12	0.00
22.25	3.28	3.05	0.02	24.85	3.35	3.12	0.00
22.30	3.29	3.05	0.02	24.90	3.35	3.12	0.00
22.35	3.29	3.06	0.02	24.95	3.35	3.12	0.00
22.40	3.29	3.06	0.02	25.00	3.35	3.12	0.00
22.45	3.29	3.06	0.02	25.05	3.35	3.12	0.00
22.50	3.29	3.06	0.02	25.10	3.35	3.12	0.00
22.55	3.30	3.06	0.02	25.15	3.35	3.12	0.00
22.60	3.30	3.07	0.02	25.20	3.35	3.12	0.00
22.65	3.30	3.07	0.02	25.25	3.35	3.12	0.00
22.70	3.30	3.07	0.02	25.30	3.35	3.12	0.00
22.75	3.30	3.07	0.02	25.35	3.35	3.12	0.00
22.80	3.31	3.07	0.02	25.40	3.35	3.12	0.00
22.85	3.31	3.07	0.02	25.45	3.35	3.12	0.00
22.90	3.31	3.08	0.02	25.50	3.35	3.12	0.00
22.95	3.31	3.08	0.02	25.55	3.35	3.12	0.00
23.00	3.31	3.08	0.02	25.60	3.35	3.12	0.00
23.05	3.32	3.08	0.02	25.65	3.35	3.12	0.00
23.10	3.32	3.08	0.02	25.70	3.35	3.12	0.00
23.15	3.32	3.09	0.02	25.75	3.35	3.12	0.00
23.20	3.32	3.09	0.02	25.80	3.35	3.12	0.00
23.25	3.32	3.09	0.02	25.85	3.35	3.12	0.00
23.30	3.32	3.09	0.02	25.90	3.35	3.12	0.00
23.35	3.33	3.09	0.02	25.95	3.35	3.12	0.00

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	3.12	0.00	28.60	3.35	3.12	0.00
26.05	3.35	3.12	0.00	28.65	3.35	3.12	0.00
26.10	3.35	3.12	0.00	28.70	3.35	3.12	0.00
26.15	3.35	3.12	0.00	28.75	3.35	3.12	0.00
26.20	3.35	3.12	0.00	28.80	3.35	3.12	0.00
26.25	3.35	3.12	0.00	28.85	3.35	3.12	0.00
26.30	3.35	3.12	0.00	28.90	3.35	3.12	0.00
26.35	3.35	3.12	0.00	28.95	3.35	3.12	0.00
26.40	3.35	3.12	0.00	29.00	3.35	3.12	0.00
26.45	3.35	3.12	0.00	29.05	3.35	3.12	0.00
26.50	3.35	3.12	0.00	29.10	3.35	3.12	0.00
26.55	3.35	3.12	0.00	29.15	3.35	3.12	0.00
26.60	3.35	3.12	0.00	29.20	3.35	3.12	0.00
26.65	3.35	3.12	0.00	29.25	3.35	3.12	0.00
26.70	3.35	3.12	0.00	29.30	3.35	3.12	0.00
26.75	3.35	3.12	0.00	29.35	3.35	3.12	0.00
26.80	3.35	3.12	0.00	29.40	3.35	3.12	0.00
26.85	3.35	3.12	0.00	29.45	3.35	3.12	0.00
26.90	3.35	3.12	0.00	29.50	3.35	3.12	0.00
26.95	3.35	3.12	0.00	29.55	3.35	3.12	0.00
27.00	3.35	3.12	0.00	29.60	3.35	3.12	0.00
27.05	3.35	3.12	0.00	29.65	3.35	3.12	0.00
27.10	3.35	3.12	0.00	29.70	3.35	3.12	0.00
27.15	3.35	3.12	0.00	29.75	3.35	3.12	0.00
27.20	3.35	3.12	0.00	29.80	3.35	3.12	0.00
27.25	3.35	3.12	0.00	29.85	3.35	3.12	0.00
27.30	3.35	3.12	0.00	29.90	3.35	3.12	0.00
27.35	3.35	3.12	0.00	29.95	3.35	3.12	0.00
27.40	3.35	3.12	0.00	30.00	3.35	3.12	0.00
27.45	3.35	3.12	0.00	30.05	3.35	3.12	0.00
27.50	3.35	3.12	0.00	30.10	3.35	3.12	0.00
27.55	3.35	3.12	0.00	30.15	3.35	3.12	0.00
27.60	3.35	3.12	0.00	30.20	3.35	3.12	0.00
27.65	3.35	3.12	0.00	30.25	3.35	3.12	0.00
27.70	3.35	3.12	0.00	30.30	3.35	3.12	0.00
27.75	3.35	3.12	0.00	30.35	3.35	3.12	0.00
27.80	3.35	3.12	0.00	30.40	3.35	3.12	0.00
27.85	3.35	3.12	0.00	30.45	3.35	3.12	0.00
27.90	3.35	3.12	0.00	30.50	3.35	3.12	0.00
27.95	3.35	3.12	0.00	30.55	3.35	3.12	0.00
28.00	3.35	3.12	0.00	30.60	3.35	3.12	0.00
28.05	3.35	3.12	0.00	30.65	3.35	3.12	0.00
28.10	3.35	3.12	0.00	30.70	3.35	3.12	0.00
28.15	3.35	3.12	0.00	30.75	3.35	3.12	0.00
28.20	3.35	3.12	0.00	30.80	3.35	3.12	0.00
28.25	3.35	3.12	0.00	30.85	3.35	3.12	0.00
28.30	3.35	3.12	0.00	30.90	3.35	3.12	0.00
28.35	3.35	3.12	0.00	30.95	3.35	3.12	0.00
28.40	3.35	3.12	0.00	31.00	3.35	3.12	0.00
28.45	3.35	3.12	0.00	31.05	3.35	3.12	0.00
28.50	3.35	3.12	0.00	31.10	3.35	3.12	0.00
28.55	3.35	3.12	0.00	31.15	3.35	3.12	0.00

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	3.12	0.00	33.80	3.35	3.12	0.00
31.25	3.35	3.12	0.00	33.85	3.35	3.12	0.00
31.30	3.35	3.12	0.00	33.90	3.35	3.12	0.00
31.35	3.35	3.12	0.00	33.95	3.35	3.12	0.00
31.40	3.35	3.12	0.00	34.00	3.35	3.12	0.00
31.45	3.35	3.12	0.00	34.05	3.35	3.12	0.00
31.50	3.35	3.12	0.00	34.10	3.35	3.12	0.00
31.55	3.35	3.12	0.00	34.15	3.35	3.12	0.00
31.60	3.35	3.12	0.00	34.20	3.35	3.12	0.00
31.65	3.35	3.12	0.00	34.25	3.35	3.12	0.00
31.70	3.35	3.12	0.00	34.30	3.35	3.12	0.00
31.75	3.35	3.12	0.00	34.35	3.35	3.12	0.00
31.80	3.35	3.12	0.00	34.40	3.35	3.12	0.00
31.85	3.35	3.12	0.00	34.45	3.35	3.12	0.00
31.90	3.35	3.12	0.00	34.50	3.35	3.12	0.00
31.95	3.35	3.12	0.00	34.55	3.35	3.12	0.00
32.00	3.35	3.12	0.00	34.60	3.35	3.12	0.00
32.05	3.35	3.12	0.00	34.65	3.35	3.12	0.00
32.10	3.35	3.12	0.00	34.70	3.35	3.12	0.00
32.15	3.35	3.12	0.00	34.75	3.35	3.12	0.00
32.20	3.35	3.12	0.00	34.80	3.35	3.12	0.00
32.25	3.35	3.12	0.00	34.85	3.35	3.12	0.00
32.30	3.35	3.12	0.00	34.90	3.35	3.12	0.00
32.35	3.35	3.12	0.00	34.95	3.35	3.12	0.00
32.40	3.35	3.12	0.00	35.00	3.35	3.12	0.00
32.45	3.35	3.12	0.00	35.05	3.35	3.12	0.00
32.50	3.35	3.12	0.00	35.10	3.35	3.12	0.00
32.55	3.35	3.12	0.00	35.15	3.35	3.12	0.00
32.60	3.35	3.12	0.00	35.20	3.35	3.12	0.00
32.65	3.35	3.12	0.00	35.25	3.35	3.12	0.00
32.70	3.35	3.12	0.00	35.30	3.35	3.12	0.00
32.75	3.35	3.12	0.00	35.35	3.35	3.12	0.00
32.80	3.35	3.12	0.00	35.40	3.35	3.12	0.00
32.85	3.35	3.12	0.00	35.45	3.35	3.12	0.00
32.90	3.35	3.12	0.00	35.50	3.35	3.12	0.00
32.95	3.35	3.12	0.00	35.55	3.35	3.12	0.00
33.00	3.35	3.12	0.00	35.60	3.35	3.12	0.00
33.05	3.35	3.12	0.00	35.65	3.35	3.12	0.00
33.10	3.35	3.12	0.00	35.70	3.35	3.12	0.00
33.15	3.35	3.12	0.00	35.75	3.35	3.12	0.00
33.20	3.35	3.12	0.00	35.80	3.35	3.12	0.00
33.25	3.35	3.12	0.00	35.85	3.35	3.12	0.00
33.30	3.35	3.12	0.00	35.90	3.35	3.12	0.00
33.35	3.35	3.12	0.00	35.95	3.35	3.12	0.00
33.40	3.35	3.12	0.00	36.00	3.35	3.12	0.00
33.45	3.35	3.12	0.00	36.05	3.35	3.12	0.00
33.50	3.35	3.12	0.00	36.10	3.35	3.12	0.00
33.55	3.35	3.12	0.00	36.15	3.35	3.12	0.00
33.60	3.35	3.12	0.00	36.20	3.35	3.12	0.00
33.65	3.35	3.12	0.00	36.25	3.35	3.12	0.00
33.70	3.35	3.12	0.00	36.30	3.35	3.12	0.00
33.75	3.35	3.12	0.00	36.35	3.35	3.12	0.00

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	3.12	0.00
36.45	3.35	3.12	0.00
36.50	3.35	3.12	0.00
36.55	3.35	3.12	0.00
36.60	3.35	3.12	0.00
36.65	3.35	3.12	0.00
36.70	3.35	3.12	0.00
36.75	3.35	3.12	0.00
36.80	3.35	3.12	0.00
36.85	3.35	3.12	0.00
36.90	3.35	3.12	0.00
36.95	3.35	3.12	0.00
37.00	3.35	3.12	0.00
37.05	3.35	3.12	0.00
37.10	3.35	3.12	0.00
37.15	3.35	3.12	0.00
37.20	3.35	3.12	0.00
37.25	3.35	3.12	0.00
37.30	3.35	3.12	0.00
37.35	3.35	3.12	0.00
37.40	3.35	3.12	0.00
37.45	3.35	3.12	0.00
37.50	3.35	3.12	0.00
37.55	3.35	3.12	0.00
37.60	3.35	3.12	0.00
37.65	3.35	3.12	0.00
37.70	3.35	3.12	0.00
37.75	3.35	3.12	0.00
37.80	3.35	3.12	0.00
37.85	3.35	3.12	0.00
37.90	3.35	3.12	0.00
37.95	3.35	3.12	0.00
38.00	3.35	3.12	0.00
38.05	3.35	3.12	0.00
38.10	3.35	3.12	0.00
38.15	3.35	3.12	0.00
38.20	3.35	3.12	0.00
38.25	3.35	3.12	0.00
38.30	3.35	3.12	0.00
38.35	3.35	3.12	0.00
38.40	3.35	3.12	0.00
38.45	3.35	3.12	0.00
38.50	3.35	3.12	0.00
38.55	3.35	3.12	0.00
38.60	3.35	3.12	0.00
38.65	3.35	3.12	0.00
38.70	3.35	3.12	0.00
38.75	3.35	3.12	0.00
38.80	3.35	3.12	0.00
38.85	3.35	3.12	0.00
38.90	3.35	3.12	0.00
38.95	3.35	3.12	0.00
39.00	3.35	3.12	0.00
39.05	3.35	3.12	0.00
39.10	3.35	3.12	0.00
39.15	3.35	3.12	0.00
39.20	3.35	3.12	0.00
39.25	3.35	3.12	0.00
39.30	3.35	3.12	0.00
39.35	3.35	3.12	0.00
39.40	3.35	3.12	0.00
39.45	3.35	3.12	0.00
39.50	3.35	3.12	0.00
39.55	3.35	3.12	0.00
39.60	3.35	3.12	0.00
39.65	3.35	3.12	0.00
39.70	3.35	3.12	0.00
39.75	3.35	3.12	0.00
39.80	3.35	3.12	0.00
39.85	3.35	3.12	0.00
39.90	3.35	3.12	0.00
39.95	3.35	3.12	0.00
40.00	3.35	3.12	0.00

Summary for Subcatchment 56P: PDA-56 (pervious)

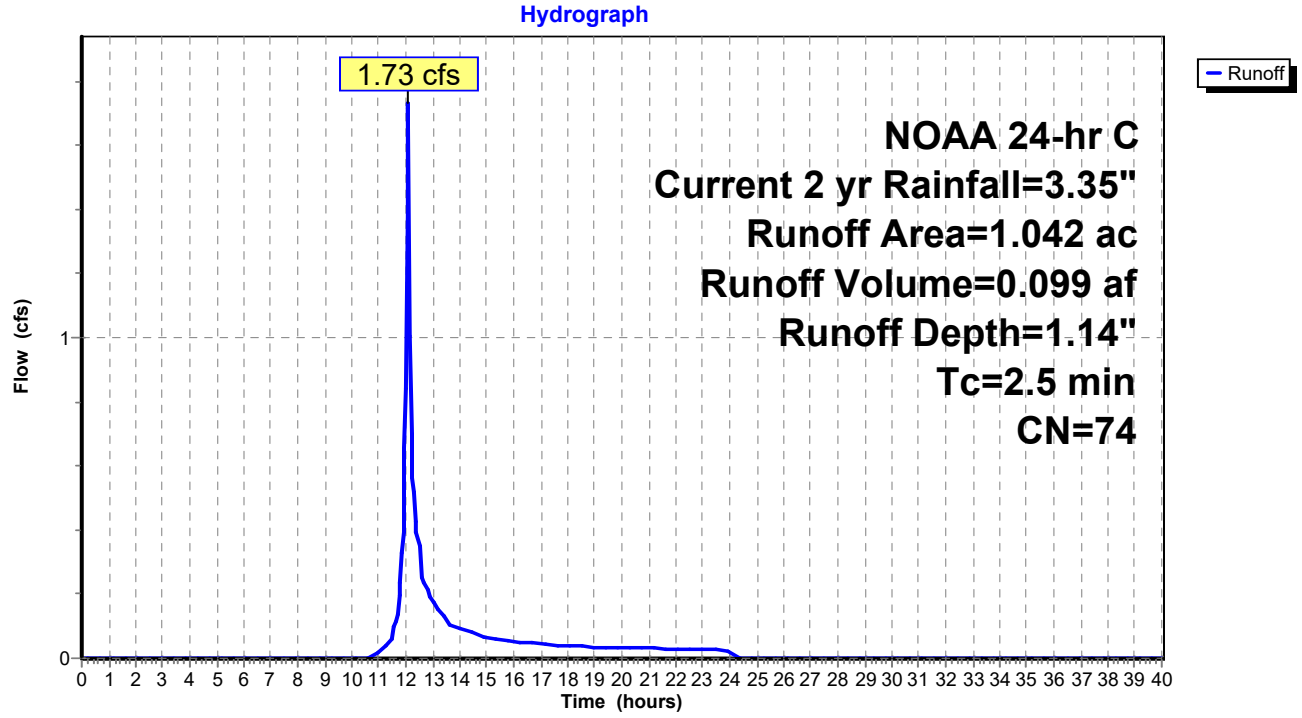
Runoff = 1.73 cfs @ 12.09 hrs, Volume= 0.099 af, Depth= 1.14"
Routed to Pond B-56 : Basin #56

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
1.042	74	>75% Grass cover, Good, HSG C
1.042		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.5					**Direct Entry,**

Subcatchment 56P: PDA-56 (pervious)



Hydrograph for Subcatchment 56P: PDA-56 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.63	0.18
10.45	0.68	0.00	0.00	13.05	2.56	0.64	0.17
10.50	0.69	0.00	0.00	13.10	2.57	0.65	0.16
10.55	0.70	0.00	0.00	13.15	2.58	0.66	0.15
10.60	0.71	0.00	0.00	13.20	2.60	0.66	0.15
10.65	0.72	0.00	0.00	13.25	2.61	0.67	0.14
10.70	0.73	0.00	0.00	13.30	2.62	0.68	0.14
10.75	0.74	0.00	0.00	13.35	2.63	0.68	0.13
10.80	0.75	0.00	0.01	13.40	2.64	0.69	0.13
10.85	0.77	0.00	0.01	13.45	2.65	0.69	0.12
10.90	0.78	0.00	0.01	13.50	2.66	0.70	0.12
10.95	0.79	0.00	0.01	13.55	2.67	0.70	0.11
11.00	0.80	0.00	0.01	13.60	2.68	0.71	0.10
11.05	0.82	0.00	0.02	13.65	2.68	0.71	0.10
11.10	0.83	0.00	0.02	13.70	2.69	0.72	0.10
11.15	0.85	0.01	0.03	13.75	2.70	0.72	0.10
11.20	0.87	0.01	0.03	13.80	2.71	0.73	0.10
11.25	0.89	0.01	0.03	13.85	2.72	0.73	0.10
11.30	0.91	0.01	0.04	13.90	2.72	0.74	0.10
11.35	0.93	0.01	0.05	13.95	2.73	0.74	0.09
11.40	0.95	0.02	0.05	14.00	2.74	0.75	0.09
11.45	0.97	0.02	0.06	14.05	2.75	0.75	0.09
11.50	0.99	0.02	0.06	14.10	2.75	0.76	0.09
11.55	1.02	0.03	0.10	14.15	2.76	0.76	0.09
11.60	1.06	0.03	0.12	14.20	2.77	0.76	0.09
11.65	1.09	0.04	0.13	14.25	2.77	0.77	0.09
11.70	1.13	0.05	0.15	14.30	2.78	0.77	0.09
11.75	1.18	0.06	0.20	14.35	2.79	0.78	0.08
11.80	1.23	0.07	0.24	14.40	2.79	0.78	0.08
11.85	1.29	0.09	0.33	14.45	2.80	0.78	0.08
11.90	1.36	0.10	0.40	14.50	2.81	0.79	0.08
11.95	1.48	0.14	0.66	14.55	2.81	0.79	0.08
12.00	1.60	0.18	0.84	14.60	2.82	0.80	0.08
12.05	1.79	0.26	1.39	14.65	2.82	0.80	0.07
12.10	1.99	0.34	**1.71**	14.70	2.83	0.80	0.07
12.15	2.06	0.38	1.00	14.75	2.84	0.81	0.07
12.20	2.12	0.41	0.70	14.80	2.84	0.81	0.07
12.25	2.17	0.43	0.56	14.85	2.85	0.81	0.07
12.30	2.22	0.46	0.52	14.90	2.85	0.82	0.07
12.35	2.26	0.48	0.43	14.95	2.86	0.82	0.06
12.40	2.29	0.50	0.39	15.00	2.86	0.82	0.06
12.45	2.33	0.51	0.38	15.05	2.87	0.82	0.06
12.50	2.36	0.53	0.38	15.10	2.87	0.83	0.06
12.55	2.38	0.54	0.29	15.15	2.87	0.83	0.06
12.60	2.40	0.55	0.25	15.20	2.88	0.83	0.06
12.65	2.42	0.57	0.24	15.25	2.88	0.84	0.06
12.70	2.44	0.58	0.24	15.30	2.89	0.84	0.06
12.75	2.46	0.59	0.22	15.35	2.89	0.84	0.06
12.80	2.48	0.60	0.22	15.40	2.90	0.84	0.06
12.85	2.50	0.61	0.20	15.45	2.90	0.85	0.06
12.90	2.52	0.62	0.20	15.50	2.91	0.85	0.06
12.95	2.53	0.63	0.19	15.55	2.91	0.85	0.06

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.85	0.06	18.20	3.10	0.97	0.04
15.65	2.92	0.86	0.06	18.25	3.10	0.97	0.04
15.70	2.92	0.86	0.06	18.30	3.10	0.97	0.04
15.75	2.93	0.86	0.06	18.35	3.10	0.97	0.04
15.80	2.93	0.87	0.06	18.40	3.11	0.98	0.04
15.85	2.94	0.87	0.06	18.45	3.11	0.98	0.04
15.90	2.94	0.87	0.05	18.50	3.11	0.98	0.04
15.95	2.94	0.87	0.05	18.55	3.11	0.98	0.04
16.00	2.95	0.88	0.05	18.60	3.12	0.98	0.04
16.05	2.95	0.88	0.05	18.65	3.12	0.98	0.04
16.10	2.96	0.88	0.05	18.70	3.12	0.99	0.04
16.15	2.96	0.88	0.05	18.75	3.12	0.99	0.04
16.20	2.96	0.89	0.05	18.80	3.13	0.99	0.04
16.25	2.97	0.89	0.05	18.85	3.13	0.99	0.04
16.30	2.97	0.89	0.05	18.90	3.13	0.99	0.04
16.35	2.98	0.89	0.05	18.95	3.13	0.99	0.03
16.40	2.98	0.90	0.05	19.00	3.14	1.00	0.03
16.45	2.98	0.90	0.05	19.05	3.14	1.00	0.03
16.50	2.99	0.90	0.05	19.10	3.14	1.00	0.03
16.55	2.99	0.90	0.05	19.15	3.14	1.00	0.03
16.60	3.00	0.91	0.05	19.20	3.15	1.00	0.03
16.65	3.00	0.91	0.05	19.25	3.15	1.00	0.03
16.70	3.00	0.91	0.05	19.30	3.15	1.01	0.03
16.75	3.01	0.91	0.05	19.35	3.15	1.01	0.03
16.80	3.01	0.91	0.05	19.40	3.16	1.01	0.03
16.85	3.01	0.92	0.05	19.45	3.16	1.01	0.03
16.90	3.02	0.92	0.05	19.50	3.16	1.01	0.03
16.95	3.02	0.92	0.05	19.55	3.16	1.01	0.03
17.00	3.02	0.92	0.05	19.60	3.17	1.02	0.03
17.05	3.03	0.93	0.05	19.65	3.17	1.02	0.03
17.10	3.03	0.93	0.05	19.70	3.17	1.02	0.03
17.15	3.03	0.93	0.04	19.75	3.17	1.02	0.03
17.20	3.04	0.93	0.04	19.80	3.18	1.02	0.03
17.25	3.04	0.93	0.04	19.85	3.18	1.02	0.03
17.30	3.04	0.94	0.04	19.90	3.18	1.03	0.03
17.35	3.05	0.94	0.04	19.95	3.18	1.03	0.03
17.40	3.05	0.94	0.04	20.00	3.19	1.03	0.03
17.45	3.05	0.94	0.04	20.05	3.19	1.03	0.03
17.50	3.06	0.94	0.04	20.10	3.19	1.03	0.03
17.55	3.06	0.95	0.04	20.15	3.19	1.03	0.03
17.60	3.06	0.95	0.04	20.20	3.20	1.03	0.03
17.65	3.06	0.95	0.04	20.25	3.20	1.04	0.03
17.70	3.07	0.95	0.04	20.30	3.20	1.04	0.03
17.75	3.07	0.95	0.04	20.35	3.20	1.04	0.03
17.80	3.07	0.96	0.04	20.40	3.20	1.04	0.03
17.85	3.08	0.96	0.04	20.45	3.21	1.04	0.03
17.90	3.08	0.96	0.04	20.50	3.21	1.04	0.03
17.95	3.08	0.96	0.04	20.55	3.21	1.05	0.03
18.00	3.08	0.96	0.04	20.60	3.21	1.05	0.03
18.05	3.09	0.96	0.04	20.65	3.22	1.05	0.03
18.10	3.09	0.97	0.04	20.70	3.22	1.05	0.03
18.15	3.09	0.97	0.04	20.75	3.22	1.05	0.03

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	1.05	0.03	23.40	3.33	1.12	0.03
20.85	3.23	1.05	0.03	23.45	3.33	1.12	0.03
20.90	3.23	1.06	0.03	23.50	3.33	1.13	0.03
20.95	3.23	1.06	0.03	23.55	3.33	1.13	0.03
21.00	3.23	1.06	0.03	23.60	3.34	1.13	0.03
21.05	3.23	1.06	0.03	23.65	3.34	1.13	0.03
21.10	3.24	1.06	0.03	23.70	3.34	1.13	0.03
21.15	3.24	1.06	0.03	23.75	3.34	1.13	0.02
21.20	3.24	1.06	0.03	23.80	3.34	1.13	0.02
21.25	3.24	1.07	0.03	23.85	3.34	1.13	0.02
21.30	3.24	1.07	0.03	23.90	3.35	1.13	0.02
21.35	3.25	1.07	0.03	23.95	3.35	1.14	0.03
21.40	3.25	1.07	0.03	24.00	**3.35**	**1.14**	0.03
21.45	3.25	1.07	0.03	24.05	3.35	1.14	0.01
21.50	3.25	1.07	0.03	24.10	3.35	1.14	0.00
21.55	3.26	1.07	0.03	24.15	3.35	1.14	0.00
21.60	3.26	1.08	0.03	24.20	3.35	1.14	0.00
21.65	3.26	1.08	0.03	24.25	3.35	1.14	0.00
21.70	3.26	1.08	0.03	24.30	3.35	1.14	0.00
21.75	3.26	1.08	0.03	24.35	3.35	1.14	0.00
21.80	3.27	1.08	0.03	24.40	3.35	1.14	0.00
21.85	3.27	1.08	0.03	24.45	3.35	1.14	0.00
21.90	3.27	1.08	0.03	24.50	3.35	1.14	0.00
21.95	3.27	1.09	0.03	24.55	3.35	1.14	0.00
22.00	3.27	1.09	0.03	24.60	3.35	1.14	0.00
22.05	3.28	1.09	0.03	24.65	3.35	1.14	0.00
22.10	3.28	1.09	0.03	24.70	3.35	1.14	0.00
22.15	3.28	1.09	0.03	24.75	3.35	1.14	0.00
22.20	3.28	1.09	0.03	24.80	3.35	1.14	0.00
22.25	3.28	1.09	0.03	24.85	3.35	1.14	0.00
22.30	3.29	1.09	0.03	24.90	3.35	1.14	0.00
22.35	3.29	1.10	0.03	24.95	3.35	1.14	0.00
22.40	3.29	1.10	0.03	25.00	3.35	1.14	0.00
22.45	3.29	1.10	0.03	25.05	3.35	1.14	0.00
22.50	3.29	1.10	0.03	25.10	3.35	1.14	0.00
22.55	3.30	1.10	0.03	25.15	3.35	1.14	0.00
22.60	3.30	1.10	0.03	25.20	3.35	1.14	0.00
22.65	3.30	1.10	0.03	25.25	3.35	1.14	0.00
22.70	3.30	1.11	0.03	25.30	3.35	1.14	0.00
22.75	3.30	1.11	0.03	25.35	3.35	1.14	0.00
22.80	3.31	1.11	0.03	25.40	3.35	1.14	0.00
22.85	3.31	1.11	0.03	25.45	3.35	1.14	0.00
22.90	3.31	1.11	0.03	25.50	3.35	1.14	0.00
22.95	3.31	1.11	0.03	25.55	3.35	1.14	0.00
23.00	3.31	1.11	0.03	25.60	3.35	1.14	0.00
23.05	3.32	1.11	0.03	25.65	3.35	1.14	0.00
23.10	3.32	1.12	0.03	25.70	3.35	1.14	0.00
23.15	3.32	1.12	0.03	25.75	3.35	1.14	0.00
23.20	3.32	1.12	0.03	25.80	3.35	1.14	0.00
23.25	3.32	1.12	0.03	25.85	3.35	1.14	0.00
23.30	3.32	1.12	0.03	25.90	3.35	1.14	0.00
23.35	3.33	1.12	0.03	25.95	3.35	1.14	0.00

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	1.14	0.00	28.60	3.35	1.14	0.00
26.05	3.35	1.14	0.00	28.65	3.35	1.14	0.00
26.10	3.35	1.14	0.00	28.70	3.35	1.14	0.00
26.15	3.35	1.14	0.00	28.75	3.35	1.14	0.00
26.20	3.35	1.14	0.00	28.80	3.35	1.14	0.00
26.25	3.35	1.14	0.00	28.85	3.35	1.14	0.00
26.30	3.35	1.14	0.00	28.90	3.35	1.14	0.00
26.35	3.35	1.14	0.00	28.95	3.35	1.14	0.00
26.40	3.35	1.14	0.00	29.00	3.35	1.14	0.00
26.45	3.35	1.14	0.00	29.05	3.35	1.14	0.00
26.50	3.35	1.14	0.00	29.10	3.35	1.14	0.00
26.55	3.35	1.14	0.00	29.15	3.35	1.14	0.00
26.60	3.35	1.14	0.00	29.20	3.35	1.14	0.00
26.65	3.35	1.14	0.00	29.25	3.35	1.14	0.00
26.70	3.35	1.14	0.00	29.30	3.35	1.14	0.00
26.75	3.35	1.14	0.00	29.35	3.35	1.14	0.00
26.80	3.35	1.14	0.00	29.40	3.35	1.14	0.00
26.85	3.35	1.14	0.00	29.45	3.35	1.14	0.00
26.90	3.35	1.14	0.00	29.50	3.35	1.14	0.00
26.95	3.35	1.14	0.00	29.55	3.35	1.14	0.00
27.00	3.35	1.14	0.00	29.60	3.35	1.14	0.00
27.05	3.35	1.14	0.00	29.65	3.35	1.14	0.00
27.10	3.35	1.14	0.00	29.70	3.35	1.14	0.00
27.15	3.35	1.14	0.00	29.75	3.35	1.14	0.00
27.20	3.35	1.14	0.00	29.80	3.35	1.14	0.00
27.25	3.35	1.14	0.00	29.85	3.35	1.14	0.00
27.30	3.35	1.14	0.00	29.90	3.35	1.14	0.00
27.35	3.35	1.14	0.00	29.95	3.35	1.14	0.00
27.40	3.35	1.14	0.00	30.00	3.35	1.14	0.00
27.45	3.35	1.14	0.00	30.05	3.35	1.14	0.00
27.50	3.35	1.14	0.00	30.10	3.35	1.14	0.00
27.55	3.35	1.14	0.00	30.15	3.35	1.14	0.00
27.60	3.35	1.14	0.00	30.20	3.35	1.14	0.00
27.65	3.35	1.14	0.00	30.25	3.35	1.14	0.00
27.70	3.35	1.14	0.00	30.30	3.35	1.14	0.00
27.75	3.35	1.14	0.00	30.35	3.35	1.14	0.00
27.80	3.35	1.14	0.00	30.40	3.35	1.14	0.00
27.85	3.35	1.14	0.00	30.45	3.35	1.14	0.00
27.90	3.35	1.14	0.00	30.50	3.35	1.14	0.00
27.95	3.35	1.14	0.00	30.55	3.35	1.14	0.00
28.00	3.35	1.14	0.00	30.60	3.35	1.14	0.00
28.05	3.35	1.14	0.00	30.65	3.35	1.14	0.00
28.10	3.35	1.14	0.00	30.70	3.35	1.14	0.00
28.15	3.35	1.14	0.00	30.75	3.35	1.14	0.00
28.20	3.35	1.14	0.00	30.80	3.35	1.14	0.00
28.25	3.35	1.14	0.00	30.85	3.35	1.14	0.00
28.30	3.35	1.14	0.00	30.90	3.35	1.14	0.00
28.35	3.35	1.14	0.00	30.95	3.35	1.14	0.00
28.40	3.35	1.14	0.00	31.00	3.35	1.14	0.00
28.45	3.35	1.14	0.00	31.05	3.35	1.14	0.00
28.50	3.35	1.14	0.00	31.10	3.35	1.14	0.00
28.55	3.35	1.14	0.00	31.15	3.35	1.14	0.00

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	1.14	0.00	33.80	3.35	1.14	0.00
31.25	3.35	1.14	0.00	33.85	3.35	1.14	0.00
31.30	3.35	1.14	0.00	33.90	3.35	1.14	0.00
31.35	3.35	1.14	0.00	33.95	3.35	1.14	0.00
31.40	3.35	1.14	0.00	34.00	3.35	1.14	0.00
31.45	3.35	1.14	0.00	34.05	3.35	1.14	0.00
31.50	3.35	1.14	0.00	34.10	3.35	1.14	0.00
31.55	3.35	1.14	0.00	34.15	3.35	1.14	0.00
31.60	3.35	1.14	0.00	34.20	3.35	1.14	0.00
31.65	3.35	1.14	0.00	34.25	3.35	1.14	0.00
31.70	3.35	1.14	0.00	34.30	3.35	1.14	0.00
31.75	3.35	1.14	0.00	34.35	3.35	1.14	0.00
31.80	3.35	1.14	0.00	34.40	3.35	1.14	0.00
31.85	3.35	1.14	0.00	34.45	3.35	1.14	0.00
31.90	3.35	1.14	0.00	34.50	3.35	1.14	0.00
31.95	3.35	1.14	0.00	34.55	3.35	1.14	0.00
32.00	3.35	1.14	0.00	34.60	3.35	1.14	0.00
32.05	3.35	1.14	0.00	34.65	3.35	1.14	0.00
32.10	3.35	1.14	0.00	34.70	3.35	1.14	0.00
32.15	3.35	1.14	0.00	34.75	3.35	1.14	0.00
32.20	3.35	1.14	0.00	34.80	3.35	1.14	0.00
32.25	3.35	1.14	0.00	34.85	3.35	1.14	0.00
32.30	3.35	1.14	0.00	34.90	3.35	1.14	0.00
32.35	3.35	1.14	0.00	34.95	3.35	1.14	0.00
32.40	3.35	1.14	0.00	35.00	3.35	1.14	0.00
32.45	3.35	1.14	0.00	35.05	3.35	1.14	0.00
32.50	3.35	1.14	0.00	35.10	3.35	1.14	0.00
32.55	3.35	1.14	0.00	35.15	3.35	1.14	0.00
32.60	3.35	1.14	0.00	35.20	3.35	1.14	0.00
32.65	3.35	1.14	0.00	35.25	3.35	1.14	0.00
32.70	3.35	1.14	0.00	35.30	3.35	1.14	0.00
32.75	3.35	1.14	0.00	35.35	3.35	1.14	0.00
32.80	3.35	1.14	0.00	35.40	3.35	1.14	0.00
32.85	3.35	1.14	0.00	35.45	3.35	1.14	0.00
32.90	3.35	1.14	0.00	35.50	3.35	1.14	0.00
32.95	3.35	1.14	0.00	35.55	3.35	1.14	0.00
33.00	3.35	1.14	0.00	35.60	3.35	1.14	0.00
33.05	3.35	1.14	0.00	35.65	3.35	1.14	0.00
33.10	3.35	1.14	0.00	35.70	3.35	1.14	0.00
33.15	3.35	1.14	0.00	35.75	3.35	1.14	0.00
33.20	3.35	1.14	0.00	35.80	3.35	1.14	0.00
33.25	3.35	1.14	0.00	35.85	3.35	1.14	0.00
33.30	3.35	1.14	0.00	35.90	3.35	1.14	0.00
33.35	3.35	1.14	0.00	35.95	3.35	1.14	0.00
33.40	3.35	1.14	0.00	36.00	3.35	1.14	0.00
33.45	3.35	1.14	0.00	36.05	3.35	1.14	0.00
33.50	3.35	1.14	0.00	36.10	3.35	1.14	0.00
33.55	3.35	1.14	0.00	36.15	3.35	1.14	0.00
33.60	3.35	1.14	0.00	36.20	3.35	1.14	0.00
33.65	3.35	1.14	0.00	36.25	3.35	1.14	0.00
33.70	3.35	1.14	0.00	36.30	3.35	1.14	0.00
33.75	3.35	1.14	0.00	36.35	3.35	1.14	0.00

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	1.14	0.00
36.45	3.35	1.14	0.00
36.50	3.35	1.14	0.00
36.55	3.35	1.14	0.00
36.60	3.35	1.14	0.00
36.65	3.35	1.14	0.00
36.70	3.35	1.14	0.00
36.75	3.35	1.14	0.00
36.80	3.35	1.14	0.00
36.85	3.35	1.14	0.00
36.90	3.35	1.14	0.00
36.95	3.35	1.14	0.00
37.00	3.35	1.14	0.00
37.05	3.35	1.14	0.00
37.10	3.35	1.14	0.00
37.15	3.35	1.14	0.00
37.20	3.35	1.14	0.00
37.25	3.35	1.14	0.00
37.30	3.35	1.14	0.00
37.35	3.35	1.14	0.00
37.40	3.35	1.14	0.00
37.45	3.35	1.14	0.00
37.50	3.35	1.14	0.00
37.55	3.35	1.14	0.00
37.60	3.35	1.14	0.00
37.65	3.35	1.14	0.00
37.70	3.35	1.14	0.00
37.75	3.35	1.14	0.00
37.80	3.35	1.14	0.00
37.85	3.35	1.14	0.00
37.90	3.35	1.14	0.00
37.95	3.35	1.14	0.00
38.00	3.35	1.14	0.00
38.05	3.35	1.14	0.00
38.10	3.35	1.14	0.00
38.15	3.35	1.14	0.00
38.20	3.35	1.14	0.00
38.25	3.35	1.14	0.00
38.30	3.35	1.14	0.00
38.35	3.35	1.14	0.00
38.40	3.35	1.14	0.00
38.45	3.35	1.14	0.00
38.50	3.35	1.14	0.00
38.55	3.35	1.14	0.00
38.60	3.35	1.14	0.00
38.65	3.35	1.14	0.00
38.70	3.35	1.14	0.00
38.75	3.35	1.14	0.00
38.80	3.35	1.14	0.00
38.85	3.35	1.14	0.00
38.90	3.35	1.14	0.00
38.95	3.35	1.14	0.00
39.00	3.35	1.14	0.00
39.05	3.35	1.14	0.00
39.10	3.35	1.14	0.00
39.15	3.35	1.14	0.00
39.20	3.35	1.14	0.00
39.25	3.35	1.14	0.00
39.30	3.35	1.14	0.00
39.35	3.35	1.14	0.00
39.40	3.35	1.14	0.00
39.45	3.35	1.14	0.00
39.50	3.35	1.14	0.00
39.55	3.35	1.14	0.00
39.60	3.35	1.14	0.00
39.65	3.35	1.14	0.00
39.70	3.35	1.14	0.00
39.75	3.35	1.14	0.00
39.80	3.35	1.14	0.00
39.85	3.35	1.14	0.00
39.90	3.35	1.14	0.00
39.95	3.35	1.14	0.00
40.00	3.35	1.14	0.00

Summary for Subcatchment 57I: PDA-57 (impervious)

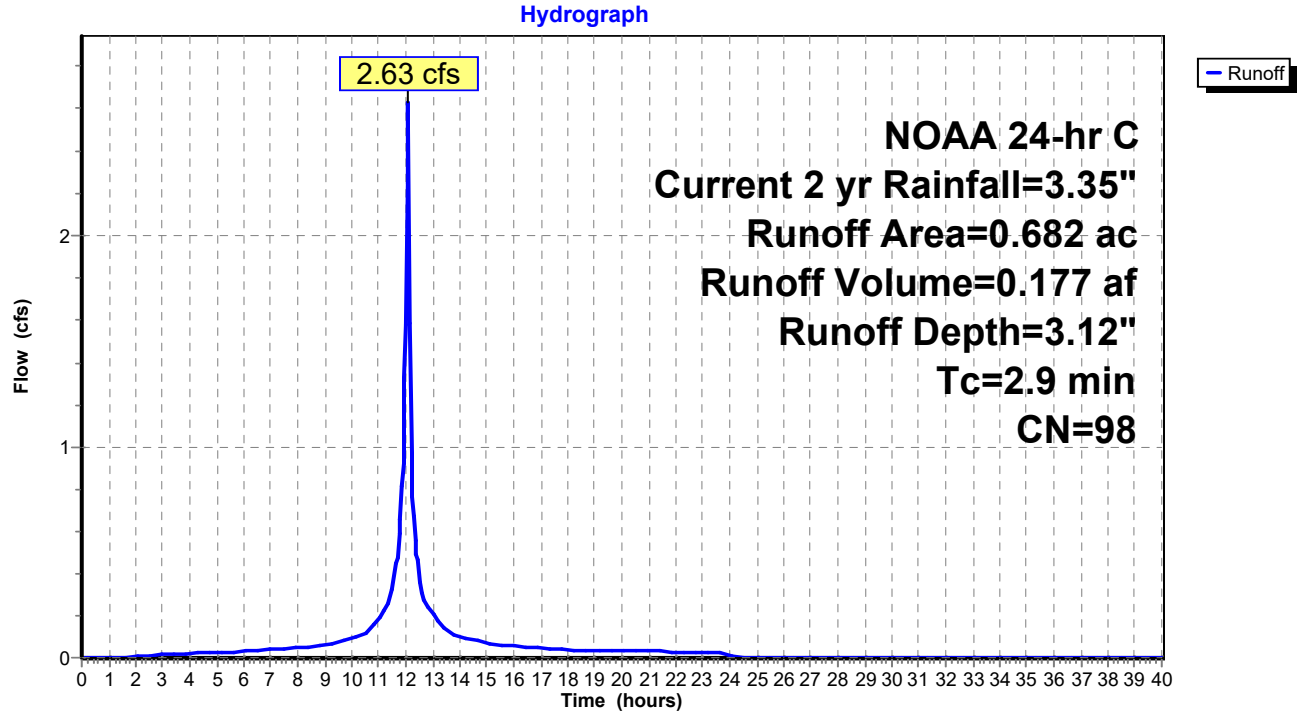
Runoff = 2.63 cfs @ 12.09 hrs, Volume= 0.177 af, Depth= 3.12"
Routed to Pond B-57 : Basin #57

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

	Area (ac)	CN	Description
*	0.268	98	Pavement, HSG C
*	0.378	98	Roof, HSG C
*	0.036	98	Concrete, HSG C
	0.682	98	Weighted Average
	0.682		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.9					**Direct Entry,**

Subcatchment 57I: PDA-57 (impervious)



Hydrograph for Subcatchment 57I: PDA-57 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.01	0.01
0.05	0.00	0.00	0.00	2.65	0.10	0.01	0.01
0.10	0.00	0.00	0.00	2.70	0.11	0.02	0.01
0.15	0.01	0.00	0.00	2.75	0.11	0.02	0.01
0.20	0.01	0.00	0.00	2.80	0.11	0.02	0.01
0.25	0.01	0.00	0.00	2.85	0.11	0.02	0.01
0.30	0.01	0.00	0.00	2.90	0.11	0.02	0.01
0.35	0.01	0.00	0.00	2.95	0.12	0.02	0.01
0.40	0.01	0.00	0.00	3.00	0.12	0.02	0.01
0.45	0.02	0.00	0.00	3.05	0.12	0.02	0.01
0.50	0.02	0.00	0.00	3.10	0.12	0.02	0.01
0.55	0.02	0.00	0.00	3.15	0.12	0.02	0.02
0.60	0.02	0.00	0.00	3.20	0.13	0.03	0.02
0.65	0.02	0.00	0.00	3.25	0.13	0.03	0.02
0.70	0.03	0.00	0.00	3.30	0.13	0.03	0.02
0.75	0.03	0.00	0.00	3.35	0.13	0.03	0.02
0.80	0.03	0.00	0.00	3.40	0.14	0.03	0.02
0.85	0.03	0.00	0.00	3.45	0.14	0.03	0.02
0.90	0.03	0.00	0.00	3.50	0.14	0.03	0.02
0.95	0.03	0.00	0.00	3.55	0.14	0.03	0.02
1.00	0.04	0.00	0.00	3.60	0.15	0.04	0.02
1.05	0.04	0.00	0.00	3.65	0.15	0.04	0.02
1.10	0.04	0.00	0.00	3.70	0.15	0.04	0.02
1.15	0.04	0.00	0.00	3.75	0.15	0.04	0.02
1.20	0.04	0.00	0.00	3.80	0.15	0.04	0.02
1.25	0.05	0.00	0.00	3.85	0.16	0.04	0.02
1.30	0.05	0.00	0.00	3.90	0.16	0.04	0.02
1.35	0.05	0.00	0.00	3.95	0.16	0.04	0.02
1.40	0.05	0.00	0.00	4.00	0.16	0.05	0.02
1.45	0.05	0.00	0.00	4.05	0.17	0.05	0.02
1.50	0.06	0.00	0.00	4.10	0.17	0.05	0.02
1.55	0.06	0.00	0.00	4.15	0.17	0.05	0.02
1.60	0.06	0.00	0.00	4.20	0.17	0.05	0.02
1.65	0.06	0.00	0.00	4.25	0.18	0.05	0.02
1.70	0.06	0.00	0.00	4.30	0.18	0.06	0.02
1.75	0.07	0.00	0.01	4.35	0.18	0.06	0.02
1.80	0.07	0.00	0.01	4.40	0.18	0.06	0.02
1.85	0.07	0.00	0.01	4.45	0.19	0.06	0.02
1.90	0.07	0.00	0.01	4.50	0.19	0.06	0.02
1.95	0.07	0.00	0.01	4.55	0.19	0.06	0.02
2.00	0.08	0.01	0.01	4.60	0.19	0.07	0.02
2.05	0.08	0.01	0.01	4.65	0.20	0.07	0.02
2.10	0.08	0.01	0.01	4.70	0.20	0.07	0.02
2.15	0.08	0.01	0.01	4.75	0.20	0.07	0.02
2.20	0.08	0.01	0.01	4.80	0.20	0.07	0.02
2.25	0.09	0.01	0.01	4.85	0.21	0.07	0.02
2.30	0.09	0.01	0.01	4.90	0.21	0.08	0.02
2.35	0.09	0.01	0.01	4.95	0.21	0.08	0.02
2.40	0.09	0.01	0.01	5.00	0.21	0.08	0.02
2.45	0.09	0.01	0.01	5.05	0.22	0.08	0.02
2.50	0.10	0.01	0.01	5.10	0.22	0.08	0.02
2.55	0.10	0.01	0.01	5.15	0.22	0.08	0.03

Hydrograph for Subcatchment 57I: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.09	0.03	7.80	0.39	0.22	0.05
5.25	0.23	0.09	0.03	7.85	0.39	0.22	0.05
5.30	0.23	0.09	0.03	7.90	0.39	0.22	0.05
5.35	0.23	0.09	0.03	7.95	0.40	0.23	0.05
5.40	0.23	0.09	0.03	8.00	0.40	0.23	0.05
5.45	0.24	0.10	0.03	8.05	0.41	0.23	0.05
5.50	0.24	0.10	0.03	8.10	0.41	0.24	0.05
5.55	0.24	0.10	0.03	8.15	0.41	0.24	0.05
5.60	0.24	0.10	0.03	8.20	0.42	0.24	0.05
5.65	0.25	0.10	0.03	8.25	0.42	0.25	0.05
5.70	0.25	0.11	0.03	8.30	0.43	0.25	0.05
5.75	0.25	0.11	0.03	8.35	0.43	0.26	0.05
5.80	0.25	0.11	0.03	8.40	0.43	0.26	0.05
5.85	0.26	0.11	0.03	8.45	0.44	0.26	0.05
5.90	0.26	0.11	0.03	8.50	0.44	0.27	0.05
5.95	0.26	0.12	0.03	8.55	0.45	0.27	0.05
6.00	0.27	0.12	0.03	8.60	0.45	0.28	0.05
6.05	0.27	0.12	0.03	8.65	0.46	0.28	0.05
6.10	0.27	0.12	0.03	8.70	0.46	0.28	0.06
6.15	0.27	0.12	0.03	8.75	0.47	0.29	0.06
6.20	0.28	0.13	0.03	8.80	0.47	0.29	0.06
6.25	0.28	0.13	0.03	8.85	0.48	0.30	0.06
6.30	0.28	0.13	0.03	8.90	0.48	0.30	0.06
6.35	0.29	0.13	0.03	8.95	0.48	0.30	0.06
6.40	0.29	0.14	0.03	9.00	0.49	0.31	0.06
6.45	0.29	0.14	0.03	9.05	0.49	0.31	0.06
6.50	0.29	0.14	0.03	9.10	0.50	0.32	0.06
6.55	0.30	0.14	0.03	9.15	0.50	0.32	0.06
6.60	0.30	0.15	0.03	9.20	0.51	0.33	0.06
6.65	0.30	0.15	0.03	9.25	0.51	0.33	0.07
6.70	0.31	0.15	0.04	9.30	0.52	0.34	0.07
6.75	0.31	0.15	0.04	9.35	0.53	0.34	0.07
6.80	0.31	0.16	0.04	9.40	0.53	0.35	0.07
6.85	0.32	0.16	0.04	9.45	0.54	0.35	0.07
6.90	0.32	0.16	0.04	9.50	0.54	0.36	0.07
6.95	0.32	0.16	0.04	9.55	0.55	0.36	0.08
7.00	0.33	0.17	0.04	9.60	0.56	0.37	0.08
7.05	0.33	0.17	0.04	9.65	0.56	0.38	0.08
7.10	0.33	0.17	0.04	9.70	0.57	0.38	0.08
7.15	0.34	0.18	0.04	9.75	0.58	0.39	0.08
7.20	0.34	0.18	0.04	9.80	0.58	0.39	0.09
7.25	0.34	0.18	0.04	9.85	0.59	0.40	0.09
7.30	0.35	0.18	0.04	9.90	0.60	0.41	0.09
7.35	0.35	0.19	0.04	9.95	0.60	0.41	0.09
7.40	0.35	0.19	0.04	10.00	0.61	0.42	0.09
7.45	0.36	0.19	0.04	10.05	0.62	0.43	0.09
7.50	0.36	0.20	0.04	10.10	0.63	0.43	0.10
7.55	0.37	0.20	0.04	10.15	0.63	0.44	0.10
7.60	0.37	0.20	0.04	10.20	0.64	0.45	0.10
7.65	0.37	0.21	0.04	10.25	0.65	0.46	0.10
7.70	0.38	0.21	0.05	10.30	0.66	0.46	0.10
7.75	0.38	0.21	0.05	10.35	0.67	0.47	0.10

Hydrograph for Subcatchment 57I: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.48	0.11	13.00	2.55	2.32	0.21
10.45	0.68	0.49	0.11	13.05	2.56	2.33	0.19
10.50	0.69	0.49	0.11	13.10	2.57	2.34	0.18
10.55	0.70	0.50	0.12	13.15	2.58	2.36	0.17
10.60	0.71	0.51	0.12	13.20	2.60	2.37	0.17
10.65	0.72	0.52	0.13	13.25	2.61	2.38	0.16
10.70	0.73	0.53	0.14	13.30	2.62	2.39	0.16
10.75	0.74	0.54	0.14	13.35	2.63	2.40	0.15
10.80	0.75	0.55	0.15	13.40	2.64	2.41	0.14
10.85	0.77	0.57	0.16	13.45	2.65	2.42	0.13
10.90	0.78	0.58	0.16	13.50	2.66	2.43	0.13
10.95	0.79	0.59	0.17	13.55	2.67	2.44	0.12
11.00	0.80	0.60	0.17	13.60	2.68	2.45	0.12
11.05	0.82	0.62	0.19	13.65	2.68	2.45	0.11
11.10	0.83	0.63	0.20	13.70	2.69	2.46	0.11
11.15	0.85	0.65	0.21	13.75	2.70	2.47	0.11
11.20	0.87	0.66	0.22	13.80	2.71	2.48	0.11
11.25	0.89	0.68	0.24	13.85	2.72	2.49	0.11
11.30	0.91	0.70	0.25	13.90	2.72	2.49	0.11
11.35	0.93	0.72	0.26	13.95	2.73	2.50	0.10
11.40	0.95	0.74	0.27	14.00	2.74	2.51	0.10
11.45	0.97	0.76	0.28	14.05	2.75	2.52	0.10
11.50	0.99	0.78	0.29	14.10	2.75	2.52	0.10
11.55	1.02	0.81	0.39	14.15	2.76	2.53	0.10
11.60	1.06	0.85	0.45	14.20	2.77	2.54	0.10
11.65	1.09	0.88	0.47	14.25	2.77	2.54	0.09
11.70	1.13	0.92	0.48	14.30	2.78	2.55	0.09
11.75	1.18	0.96	0.59	14.35	2.79	2.56	0.09
11.80	1.23	1.01	0.66	14.40	2.79	2.56	0.09
11.85	1.29	1.08	0.82	14.45	2.80	2.57	0.09
11.90	1.36	1.14	0.92	14.50	2.81	2.58	0.09
11.95	1.48	1.26	1.33	14.55	2.81	2.58	0.08
12.00	1.60	1.38	1.58	14.60	2.82	2.59	0.08
12.05	1.79	1.57	2.25	14.65	2.82	2.59	0.08
12.10	1.99	1.76	**2.59**	14.70	2.83	2.60	0.08
12.15	2.06	1.83	1.59	14.75	2.84	2.60	0.08
12.20	2.12	1.90	0.98	14.80	2.84	2.61	0.07
12.25	2.17	1.95	0.77	14.85	2.85	2.61	0.07
12.30	2.22	1.99	0.67	14.90	2.85	2.62	0.07
12.35	2.26	2.03	0.56	14.95	2.86	2.62	0.07
12.40	2.29	2.06	0.49	15.00	2.86	2.63	0.07
12.45	2.33	2.10	0.47	15.05	2.87	2.63	0.07
12.50	2.36	2.13	0.46	15.10	2.87	2.64	0.06
12.55	2.38	2.15	0.36	15.15	2.87	2.64	0.06
12.60	2.40	2.18	0.30	15.20	2.88	2.65	0.06
12.65	2.42	2.20	0.29	15.25	2.88	2.65	0.06
12.70	2.44	2.22	0.28	15.30	2.89	2.66	0.06
12.75	2.46	2.23	0.26	15.35	2.89	2.66	0.06
12.80	2.48	2.25	0.26	15.40	2.90	2.67	0.06
12.85	2.50	2.27	0.24	15.45	2.90	2.67	0.06
12.90	2.52	2.29	0.23	15.50	2.91	2.68	0.06
12.95	2.53	2.30	0.22	15.55	2.91	2.68	0.06

Hydrograph for Subcatchment 57l: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	2.68	0.06	18.20	3.10	2.86	0.04
15.65	2.92	2.69	0.06	18.25	3.10	2.87	0.04
15.70	2.92	2.69	0.06	18.30	3.10	2.87	0.04
15.75	2.93	2.70	0.06	18.35	3.10	2.87	0.04
15.80	2.93	2.70	0.06	18.40	3.11	2.87	0.04
15.85	2.94	2.70	0.06	18.45	3.11	2.88	0.04
15.90	2.94	2.71	0.06	18.50	3.11	2.88	0.04
15.95	2.94	2.71	0.06	18.55	3.11	2.88	0.04
16.00	2.95	2.72	0.06	18.60	3.12	2.88	0.04
16.05	2.95	2.72	0.06	18.65	3.12	2.89	0.04
16.10	2.96	2.73	0.06	18.70	3.12	2.89	0.04
16.15	2.96	2.73	0.05	18.75	3.12	2.89	0.04
16.20	2.96	2.73	0.05	18.80	3.13	2.89	0.04
16.25	2.97	2.74	0.05	18.85	3.13	2.90	0.04
16.30	2.97	2.74	0.05	18.90	3.13	2.90	0.04
16.35	2.98	2.74	0.05	18.95	3.13	2.90	0.03
16.40	2.98	2.75	0.05	19.00	3.14	2.90	0.03
16.45	2.98	2.75	0.05	19.05	3.14	2.91	0.03
16.50	2.99	2.76	0.05	19.10	3.14	2.91	0.03
16.55	2.99	2.76	0.05	19.15	3.14	2.91	0.03
16.60	3.00	2.76	0.05	19.20	3.15	2.91	0.03
16.65	3.00	2.77	0.05	19.25	3.15	2.92	0.03
16.70	3.00	2.77	0.05	19.30	3.15	2.92	0.03
16.75	3.01	2.77	0.05	19.35	3.15	2.92	0.03
16.80	3.01	2.78	0.05	19.40	3.16	2.92	0.03
16.85	3.01	2.78	0.05	19.45	3.16	2.93	0.03
16.90	3.02	2.78	0.05	19.50	3.16	2.93	0.03
16.95	3.02	2.79	0.05	19.55	3.16	2.93	0.03
17.00	3.02	2.79	0.05	19.60	3.17	2.93	0.03
17.05	3.03	2.79	0.05	19.65	3.17	2.94	0.03
17.10	3.03	2.80	0.05	19.70	3.17	2.94	0.03
17.15	3.03	2.80	0.05	19.75	3.17	2.94	0.03
17.20	3.04	2.80	0.05	19.80	3.18	2.94	0.03
17.25	3.04	2.81	0.04	19.85	3.18	2.95	0.03
17.30	3.04	2.81	0.04	19.90	3.18	2.95	0.03
17.35	3.05	2.81	0.04	19.95	3.18	2.95	0.03
17.40	3.05	2.82	0.04	20.00	3.19	2.95	0.03
17.45	3.05	2.82	0.04	20.05	3.19	2.96	0.03
17.50	3.06	2.82	0.04	20.10	3.19	2.96	0.03
17.55	3.06	2.83	0.04	20.15	3.19	2.96	0.03
17.60	3.06	2.83	0.04	20.20	3.20	2.96	0.03
17.65	3.06	2.83	0.04	20.25	3.20	2.97	0.03
17.70	3.07	2.84	0.04	20.30	3.20	2.97	0.03
17.75	3.07	2.84	0.04	20.35	3.20	2.97	0.03
17.80	3.07	2.84	0.04	20.40	3.20	2.97	0.03
17.85	3.08	2.84	0.04	20.45	3.21	2.97	0.03
17.90	3.08	2.85	0.04	20.50	3.21	2.98	0.03
17.95	3.08	2.85	0.04	20.55	3.21	2.98	0.03
18.00	3.08	2.85	0.04	20.60	3.21	2.98	0.03
18.05	3.09	2.86	0.04	20.65	3.22	2.98	0.03
18.10	3.09	2.86	0.04	20.70	3.22	2.99	0.03
18.15	3.09	2.86	0.04	20.75	3.22	2.99	0.03

Hydrograph for Subcatchment 57I: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	2.99	0.03	23.40	3.33	3.10	0.03
20.85	3.23	2.99	0.03	23.45	3.33	3.10	0.02
20.90	3.23	2.99	0.03	23.50	3.33	3.10	0.02
20.95	3.23	3.00	0.03	23.55	3.33	3.10	0.02
21.00	3.23	3.00	0.03	23.60	3.34	3.10	0.02
21.05	3.23	3.00	0.03	23.65	3.34	3.10	0.02
21.10	3.24	3.00	0.03	23.70	3.34	3.11	0.02
21.15	3.24	3.01	0.03	23.75	3.34	3.11	0.02
21.20	3.24	3.01	0.03	23.80	3.34	3.11	0.02
21.25	3.24	3.01	0.03	23.85	3.34	3.11	0.02
21.30	3.24	3.01	0.03	23.90	3.35	3.11	0.02
21.35	3.25	3.01	0.03	23.95	3.35	3.11	0.03
21.40	3.25	3.02	0.03	24.00	**3.35**	**3.12**	0.03
21.45	3.25	3.02	0.03	24.05	3.35	3.12	0.01
21.50	3.25	3.02	0.03	24.10	3.35	3.12	0.00
21.55	3.26	3.02	0.03	24.15	3.35	3.12	0.00
21.60	3.26	3.02	0.03	24.20	3.35	3.12	0.00
21.65	3.26	3.03	0.03	24.25	3.35	3.12	0.00
21.70	3.26	3.03	0.03	24.30	3.35	3.12	0.00
21.75	3.26	3.03	0.03	24.35	3.35	3.12	0.00
21.80	3.27	3.03	0.03	24.40	3.35	3.12	0.00
21.85	3.27	3.04	0.03	24.45	3.35	3.12	0.00
21.90	3.27	3.04	0.03	24.50	3.35	3.12	0.00
21.95	3.27	3.04	0.03	24.55	3.35	3.12	0.00
22.00	3.27	3.04	0.03	24.60	3.35	3.12	0.00
22.05	3.28	3.04	0.03	24.65	3.35	3.12	0.00
22.10	3.28	3.05	0.03	24.70	3.35	3.12	0.00
22.15	3.28	3.05	0.03	24.75	3.35	3.12	0.00
22.20	3.28	3.05	0.03	24.80	3.35	3.12	0.00
22.25	3.28	3.05	0.03	24.85	3.35	3.12	0.00
22.30	3.29	3.05	0.03	24.90	3.35	3.12	0.00
22.35	3.29	3.06	0.03	24.95	3.35	3.12	0.00
22.40	3.29	3.06	0.03	25.00	3.35	3.12	0.00
22.45	3.29	3.06	0.03	25.05	3.35	3.12	0.00
22.50	3.29	3.06	0.03	25.10	3.35	3.12	0.00
22.55	3.30	3.06	0.03	25.15	3.35	3.12	0.00
22.60	3.30	3.07	0.03	25.20	3.35	3.12	0.00
22.65	3.30	3.07	0.03	25.25	3.35	3.12	0.00
22.70	3.30	3.07	0.03	25.30	3.35	3.12	0.00
22.75	3.30	3.07	0.03	25.35	3.35	3.12	0.00
22.80	3.31	3.07	0.03	25.40	3.35	3.12	0.00
22.85	3.31	3.07	0.03	25.45	3.35	3.12	0.00
22.90	3.31	3.08	0.03	25.50	3.35	3.12	0.00
22.95	3.31	3.08	0.03	25.55	3.35	3.12	0.00
23.00	3.31	3.08	0.03	25.60	3.35	3.12	0.00
23.05	3.32	3.08	0.03	25.65	3.35	3.12	0.00
23.10	3.32	3.08	0.03	25.70	3.35	3.12	0.00
23.15	3.32	3.09	0.03	25.75	3.35	3.12	0.00
23.20	3.32	3.09	0.03	25.80	3.35	3.12	0.00
23.25	3.32	3.09	0.03	25.85	3.35	3.12	0.00
23.30	3.32	3.09	0.03	25.90	3.35	3.12	0.00
23.35	3.33	3.09	0.03	25.95	3.35	3.12	0.00

Hydrograph for Subcatchment 57I: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	3.12	0.00	28.60	3.35	3.12	0.00
26.05	3.35	3.12	0.00	28.65	3.35	3.12	0.00
26.10	3.35	3.12	0.00	28.70	3.35	3.12	0.00
26.15	3.35	3.12	0.00	28.75	3.35	3.12	0.00
26.20	3.35	3.12	0.00	28.80	3.35	3.12	0.00
26.25	3.35	3.12	0.00	28.85	3.35	3.12	0.00
26.30	3.35	3.12	0.00	28.90	3.35	3.12	0.00
26.35	3.35	3.12	0.00	28.95	3.35	3.12	0.00
26.40	3.35	3.12	0.00	29.00	3.35	3.12	0.00
26.45	3.35	3.12	0.00	29.05	3.35	3.12	0.00
26.50	3.35	3.12	0.00	29.10	3.35	3.12	0.00
26.55	3.35	3.12	0.00	29.15	3.35	3.12	0.00
26.60	3.35	3.12	0.00	29.20	3.35	3.12	0.00
26.65	3.35	3.12	0.00	29.25	3.35	3.12	0.00
26.70	3.35	3.12	0.00	29.30	3.35	3.12	0.00
26.75	3.35	3.12	0.00	29.35	3.35	3.12	0.00
26.80	3.35	3.12	0.00	29.40	3.35	3.12	0.00
26.85	3.35	3.12	0.00	29.45	3.35	3.12	0.00
26.90	3.35	3.12	0.00	29.50	3.35	3.12	0.00
26.95	3.35	3.12	0.00	29.55	3.35	3.12	0.00
27.00	3.35	3.12	0.00	29.60	3.35	3.12	0.00
27.05	3.35	3.12	0.00	29.65	3.35	3.12	0.00
27.10	3.35	3.12	0.00	29.70	3.35	3.12	0.00
27.15	3.35	3.12	0.00	29.75	3.35	3.12	0.00
27.20	3.35	3.12	0.00	29.80	3.35	3.12	0.00
27.25	3.35	3.12	0.00	29.85	3.35	3.12	0.00
27.30	3.35	3.12	0.00	29.90	3.35	3.12	0.00
27.35	3.35	3.12	0.00	29.95	3.35	3.12	0.00
27.40	3.35	3.12	0.00	30.00	3.35	3.12	0.00
27.45	3.35	3.12	0.00	30.05	3.35	3.12	0.00
27.50	3.35	3.12	0.00	30.10	3.35	3.12	0.00
27.55	3.35	3.12	0.00	30.15	3.35	3.12	0.00
27.60	3.35	3.12	0.00	30.20	3.35	3.12	0.00
27.65	3.35	3.12	0.00	30.25	3.35	3.12	0.00
27.70	3.35	3.12	0.00	30.30	3.35	3.12	0.00
27.75	3.35	3.12	0.00	30.35	3.35	3.12	0.00
27.80	3.35	3.12	0.00	30.40	3.35	3.12	0.00
27.85	3.35	3.12	0.00	30.45	3.35	3.12	0.00
27.90	3.35	3.12	0.00	30.50	3.35	3.12	0.00
27.95	3.35	3.12	0.00	30.55	3.35	3.12	0.00
28.00	3.35	3.12	0.00	30.60	3.35	3.12	0.00
28.05	3.35	3.12	0.00	30.65	3.35	3.12	0.00
28.10	3.35	3.12	0.00	30.70	3.35	3.12	0.00
28.15	3.35	3.12	0.00	30.75	3.35	3.12	0.00
28.20	3.35	3.12	0.00	30.80	3.35	3.12	0.00
28.25	3.35	3.12	0.00	30.85	3.35	3.12	0.00
28.30	3.35	3.12	0.00	30.90	3.35	3.12	0.00
28.35	3.35	3.12	0.00	30.95	3.35	3.12	0.00
28.40	3.35	3.12	0.00	31.00	3.35	3.12	0.00
28.45	3.35	3.12	0.00	31.05	3.35	3.12	0.00
28.50	3.35	3.12	0.00	31.10	3.35	3.12	0.00
28.55	3.35	3.12	0.00	31.15	3.35	3.12	0.00

Hydrograph for Subcatchment 57I: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	3.12	0.00	33.80	3.35	3.12	0.00
31.25	3.35	3.12	0.00	33.85	3.35	3.12	0.00
31.30	3.35	3.12	0.00	33.90	3.35	3.12	0.00
31.35	3.35	3.12	0.00	33.95	3.35	3.12	0.00
31.40	3.35	3.12	0.00	34.00	3.35	3.12	0.00
31.45	3.35	3.12	0.00	34.05	3.35	3.12	0.00
31.50	3.35	3.12	0.00	34.10	3.35	3.12	0.00
31.55	3.35	3.12	0.00	34.15	3.35	3.12	0.00
31.60	3.35	3.12	0.00	34.20	3.35	3.12	0.00
31.65	3.35	3.12	0.00	34.25	3.35	3.12	0.00
31.70	3.35	3.12	0.00	34.30	3.35	3.12	0.00
31.75	3.35	3.12	0.00	34.35	3.35	3.12	0.00
31.80	3.35	3.12	0.00	34.40	3.35	3.12	0.00
31.85	3.35	3.12	0.00	34.45	3.35	3.12	0.00
31.90	3.35	3.12	0.00	34.50	3.35	3.12	0.00
31.95	3.35	3.12	0.00	34.55	3.35	3.12	0.00
32.00	3.35	3.12	0.00	34.60	3.35	3.12	0.00
32.05	3.35	3.12	0.00	34.65	3.35	3.12	0.00
32.10	3.35	3.12	0.00	34.70	3.35	3.12	0.00
32.15	3.35	3.12	0.00	34.75	3.35	3.12	0.00
32.20	3.35	3.12	0.00	34.80	3.35	3.12	0.00
32.25	3.35	3.12	0.00	34.85	3.35	3.12	0.00
32.30	3.35	3.12	0.00	34.90	3.35	3.12	0.00
32.35	3.35	3.12	0.00	34.95	3.35	3.12	0.00
32.40	3.35	3.12	0.00	35.00	3.35	3.12	0.00
32.45	3.35	3.12	0.00	35.05	3.35	3.12	0.00
32.50	3.35	3.12	0.00	35.10	3.35	3.12	0.00
32.55	3.35	3.12	0.00	35.15	3.35	3.12	0.00
32.60	3.35	3.12	0.00	35.20	3.35	3.12	0.00
32.65	3.35	3.12	0.00	35.25	3.35	3.12	0.00
32.70	3.35	3.12	0.00	35.30	3.35	3.12	0.00
32.75	3.35	3.12	0.00	35.35	3.35	3.12	0.00
32.80	3.35	3.12	0.00	35.40	3.35	3.12	0.00
32.85	3.35	3.12	0.00	35.45	3.35	3.12	0.00
32.90	3.35	3.12	0.00	35.50	3.35	3.12	0.00
32.95	3.35	3.12	0.00	35.55	3.35	3.12	0.00
33.00	3.35	3.12	0.00	35.60	3.35	3.12	0.00
33.05	3.35	3.12	0.00	35.65	3.35	3.12	0.00
33.10	3.35	3.12	0.00	35.70	3.35	3.12	0.00
33.15	3.35	3.12	0.00	35.75	3.35	3.12	0.00
33.20	3.35	3.12	0.00	35.80	3.35	3.12	0.00
33.25	3.35	3.12	0.00	35.85	3.35	3.12	0.00
33.30	3.35	3.12	0.00	35.90	3.35	3.12	0.00
33.35	3.35	3.12	0.00	35.95	3.35	3.12	0.00
33.40	3.35	3.12	0.00	36.00	3.35	3.12	0.00
33.45	3.35	3.12	0.00	36.05	3.35	3.12	0.00
33.50	3.35	3.12	0.00	36.10	3.35	3.12	0.00
33.55	3.35	3.12	0.00	36.15	3.35	3.12	0.00
33.60	3.35	3.12	0.00	36.20	3.35	3.12	0.00
33.65	3.35	3.12	0.00	36.25	3.35	3.12	0.00
33.70	3.35	3.12	0.00	36.30	3.35	3.12	0.00
33.75	3.35	3.12	0.00	36.35	3.35	3.12	0.00

Hydrograph for Subcatchment 57l: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	3.12	0.00
36.45	3.35	3.12	0.00
36.50	3.35	3.12	0.00
36.55	3.35	3.12	0.00
36.60	3.35	3.12	0.00
36.65	3.35	3.12	0.00
36.70	3.35	3.12	0.00
36.75	3.35	3.12	0.00
36.80	3.35	3.12	0.00
36.85	3.35	3.12	0.00
36.90	3.35	3.12	0.00
36.95	3.35	3.12	0.00
37.00	3.35	3.12	0.00
37.05	3.35	3.12	0.00
37.10	3.35	3.12	0.00
37.15	3.35	3.12	0.00
37.20	3.35	3.12	0.00
37.25	3.35	3.12	0.00
37.30	3.35	3.12	0.00
37.35	3.35	3.12	0.00
37.40	3.35	3.12	0.00
37.45	3.35	3.12	0.00
37.50	3.35	3.12	0.00
37.55	3.35	3.12	0.00
37.60	3.35	3.12	0.00
37.65	3.35	3.12	0.00
37.70	3.35	3.12	0.00
37.75	3.35	3.12	0.00
37.80	3.35	3.12	0.00
37.85	3.35	3.12	0.00
37.90	3.35	3.12	0.00
37.95	3.35	3.12	0.00
38.00	3.35	3.12	0.00
38.05	3.35	3.12	0.00
38.10	3.35	3.12	0.00
38.15	3.35	3.12	0.00
38.20	3.35	3.12	0.00
38.25	3.35	3.12	0.00
38.30	3.35	3.12	0.00
38.35	3.35	3.12	0.00
38.40	3.35	3.12	0.00
38.45	3.35	3.12	0.00
38.50	3.35	3.12	0.00
38.55	3.35	3.12	0.00
38.60	3.35	3.12	0.00
38.65	3.35	3.12	0.00
38.70	3.35	3.12	0.00
38.75	3.35	3.12	0.00
38.80	3.35	3.12	0.00
38.85	3.35	3.12	0.00
38.90	3.35	3.12	0.00
38.95	3.35	3.12	0.00
39.00	3.35	3.12	0.00
39.05	3.35	3.12	0.00
39.10	3.35	3.12	0.00
39.15	3.35	3.12	0.00
39.20	3.35	3.12	0.00
39.25	3.35	3.12	0.00
39.30	3.35	3.12	0.00
39.35	3.35	3.12	0.00
39.40	3.35	3.12	0.00
39.45	3.35	3.12	0.00
39.50	3.35	3.12	0.00
39.55	3.35	3.12	0.00
39.60	3.35	3.12	0.00
39.65	3.35	3.12	0.00
39.70	3.35	3.12	0.00
39.75	3.35	3.12	0.00
39.80	3.35	3.12	0.00
39.85	3.35	3.12	0.00
39.90	3.35	3.12	0.00
39.95	3.35	3.12	0.00
40.00	3.35	3.12	0.00

Summary for Subcatchment 57P: PDA-57 (pervious)

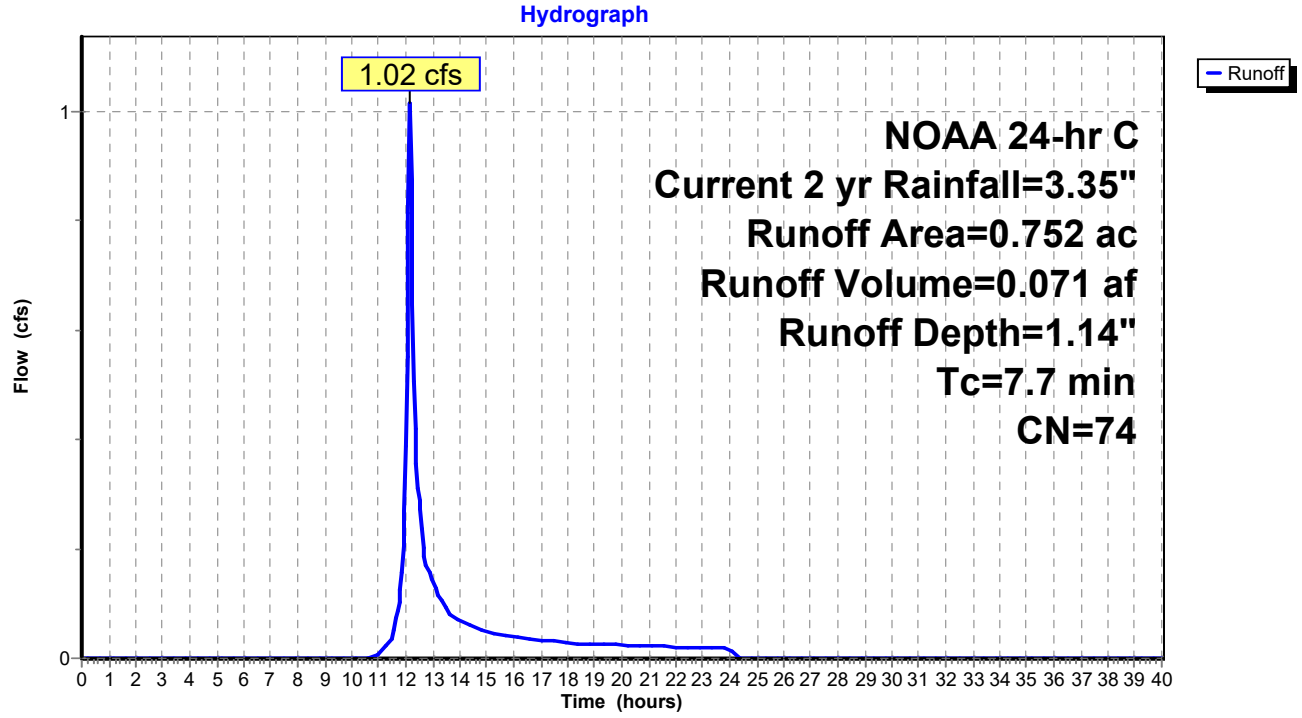
Runoff = 1.02 cfs @ 12.15 hrs, Volume= 0.071 af, Depth= 1.14"
Routed to Pond B-57 : Basin #57

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
0.752	74	>75% Grass cover, Good, HSG C
0.752		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
7.7					**Direct Entry,**

Subcatchment 57P: PDA-57 (pervious)



Hydrograph for Subcatchment 57P: PDA-57 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.63	0.14
10.45	0.68	0.00	0.00	13.05	2.56	0.64	0.13
10.50	0.69	0.00	0.00	13.10	2.57	0.65	0.13
10.55	0.70	0.00	0.00	13.15	2.58	0.66	0.12
10.60	0.71	0.00	0.00	13.20	2.60	0.66	0.11
10.65	0.72	0.00	0.00	13.25	2.61	0.67	0.11
10.70	0.73	0.00	0.00	13.30	2.62	0.68	0.11
10.75	0.74	0.00	0.00	13.35	2.63	0.68	0.10
10.80	0.75	0.00	0.00	13.40	2.64	0.69	0.10
10.85	0.77	0.00	0.00	13.45	2.65	0.69	0.09
10.90	0.78	0.00	0.00	13.50	2.66	0.70	0.09
10.95	0.79	0.00	0.01	13.55	2.67	0.70	0.09
11.00	0.80	0.00	0.01	13.60	2.68	0.71	0.08
11.05	0.82	0.00	0.01	13.65	2.68	0.71	0.08
11.10	0.83	0.00	0.01	13.70	2.69	0.72	0.08
11.15	0.85	0.01	0.01	13.75	2.70	0.72	0.07
11.20	0.87	0.01	0.02	13.80	2.71	0.73	0.07
11.25	0.89	0.01	0.02	13.85	2.72	0.73	0.07
11.30	0.91	0.01	0.02	13.90	2.72	0.74	0.07
11.35	0.93	0.01	0.03	13.95	2.73	0.74	0.07
11.40	0.95	0.02	0.03	14.00	2.74	0.75	0.07
11.45	0.97	0.02	0.03	14.05	2.75	0.75	0.07
11.50	0.99	0.02	0.04	14.10	2.75	0.76	0.07
11.55	1.02	0.03	0.05	14.15	2.76	0.76	0.07
11.60	1.06	0.03	0.06	14.20	2.77	0.76	0.06
11.65	1.09	0.04	0.07	14.25	2.77	0.77	0.06
11.70	1.13	0.05	0.09	14.30	2.78	0.77	0.06
11.75	1.18	0.06	0.10	14.35	2.79	0.78	0.06
11.80	1.23	0.07	0.13	14.40	2.79	0.78	0.06
11.85	1.29	0.09	0.16	14.45	2.80	0.78	0.06
11.90	1.36	0.10	0.20	14.50	2.81	0.79	0.06
11.95	1.48	0.14	0.27	14.55	2.81	0.79	0.06
12.00	1.60	0.18	0.39	14.60	2.82	0.80	0.06
12.05	1.79	0.26	0.55	14.65	2.82	0.80	0.06
12.10	1.99	0.34	0.81	14.70	2.83	0.80	0.05
12.15	2.06	0.38	**1.01**	14.75	2.84	0.81	0.05
12.20	2.12	0.41	0.87	14.80	2.84	0.81	0.05
12.25	2.17	0.43	0.65	14.85	2.85	0.81	0.05
12.30	2.22	0.46	0.51	14.90	2.85	0.82	0.05
12.35	2.26	0.48	0.42	14.95	2.86	0.82	0.05
12.40	2.29	0.50	0.35	15.00	2.86	0.82	0.05
12.45	2.33	0.51	0.31	15.05	2.87	0.82	0.05
12.50	2.36	0.53	0.29	15.10	2.87	0.83	0.05
12.55	2.38	0.54	0.27	15.15	2.87	0.83	0.04
12.60	2.40	0.55	0.24	15.20	2.88	0.83	0.04
12.65	2.42	0.57	0.20	15.25	2.88	0.84	0.04
12.70	2.44	0.58	0.18	15.30	2.89	0.84	0.04
12.75	2.46	0.59	0.18	15.35	2.89	0.84	0.04
12.80	2.48	0.60	0.17	15.40	2.90	0.84	0.04
12.85	2.50	0.61	0.16	15.45	2.90	0.85	0.04
12.90	2.52	0.62	0.15	15.50	2.91	0.85	0.04
12.95	2.53	0.63	0.15	15.55	2.91	0.85	0.04

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.85	0.04	18.20	3.10	0.97	0.03
15.65	2.92	0.86	0.04	18.25	3.10	0.97	0.03
15.70	2.92	0.86	0.04	18.30	3.10	0.97	0.03
15.75	2.93	0.86	0.04	18.35	3.10	0.97	0.03
15.80	2.93	0.87	0.04	18.40	3.11	0.98	0.03
15.85	2.94	0.87	0.04	18.45	3.11	0.98	0.03
15.90	2.94	0.87	0.04	18.50	3.11	0.98	0.03
15.95	2.94	0.87	0.04	18.55	3.11	0.98	0.03
16.00	2.95	0.88	0.04	18.60	3.12	0.98	0.03
16.05	2.95	0.88	0.04	18.65	3.12	0.98	0.03
16.10	2.96	0.88	0.04	18.70	3.12	0.99	0.03
16.15	2.96	0.88	0.04	18.75	3.12	0.99	0.03
16.20	2.96	0.89	0.04	18.80	3.13	0.99	0.03
16.25	2.97	0.89	0.04	18.85	3.13	0.99	0.03
16.30	2.97	0.89	0.04	18.90	3.13	0.99	0.03
16.35	2.98	0.89	0.04	18.95	3.13	0.99	0.03
16.40	2.98	0.90	0.04	19.00	3.14	1.00	0.03
16.45	2.98	0.90	0.04	19.05	3.14	1.00	0.03
16.50	2.99	0.90	0.04	19.10	3.14	1.00	0.03
16.55	2.99	0.90	0.04	19.15	3.14	1.00	0.03
16.60	3.00	0.91	0.04	19.20	3.15	1.00	0.02
16.65	3.00	0.91	0.04	19.25	3.15	1.00	0.02
16.70	3.00	0.91	0.04	19.30	3.15	1.01	0.02
16.75	3.01	0.91	0.04	19.35	3.15	1.01	0.02
16.80	3.01	0.91	0.03	19.40	3.16	1.01	0.02
16.85	3.01	0.92	0.03	19.45	3.16	1.01	0.02
16.90	3.02	0.92	0.03	19.50	3.16	1.01	0.02
16.95	3.02	0.92	0.03	19.55	3.16	1.01	0.02
17.00	3.02	0.92	0.03	19.60	3.17	1.02	0.02
17.05	3.03	0.93	0.03	19.65	3.17	1.02	0.02
17.10	3.03	0.93	0.03	19.70	3.17	1.02	0.02
17.15	3.03	0.93	0.03	19.75	3.17	1.02	0.02
17.20	3.04	0.93	0.03	19.80	3.18	1.02	0.02
17.25	3.04	0.93	0.03	19.85	3.18	1.02	0.02
17.30	3.04	0.94	0.03	19.90	3.18	1.03	0.02
17.35	3.05	0.94	0.03	19.95	3.18	1.03	0.02
17.40	3.05	0.94	0.03	20.00	3.19	1.03	0.02
17.45	3.05	0.94	0.03	20.05	3.19	1.03	0.02
17.50	3.06	0.94	0.03	20.10	3.19	1.03	0.02
17.55	3.06	0.95	0.03	20.15	3.19	1.03	0.02
17.60	3.06	0.95	0.03	20.20	3.20	1.03	0.02
17.65	3.06	0.95	0.03	20.25	3.20	1.04	0.02
17.70	3.07	0.95	0.03	20.30	3.20	1.04	0.02
17.75	3.07	0.95	0.03	20.35	3.20	1.04	0.02
17.80	3.07	0.96	0.03	20.40	3.20	1.04	0.02
17.85	3.08	0.96	0.03	20.45	3.21	1.04	0.02
17.90	3.08	0.96	0.03	20.50	3.21	1.04	0.02
17.95	3.08	0.96	0.03	20.55	3.21	1.05	0.02
18.00	3.08	0.96	0.03	20.60	3.21	1.05	0.02
18.05	3.09	0.96	0.03	20.65	3.22	1.05	0.02
18.10	3.09	0.97	0.03	20.70	3.22	1.05	0.02
18.15	3.09	0.97	0.03	20.75	3.22	1.05	0.02

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	1.05	0.02	23.40	3.33	1.12	0.02
20.85	3.23	1.05	0.02	23.45	3.33	1.12	0.02
20.90	3.23	1.06	0.02	23.50	3.33	1.13	0.02
20.95	3.23	1.06	0.02	23.55	3.33	1.13	0.02
21.00	3.23	1.06	0.02	23.60	3.34	1.13	0.02
21.05	3.23	1.06	0.02	23.65	3.34	1.13	0.02
21.10	3.24	1.06	0.02	23.70	3.34	1.13	0.02
21.15	3.24	1.06	0.02	23.75	3.34	1.13	0.02
21.20	3.24	1.06	0.02	23.80	3.34	1.13	0.02
21.25	3.24	1.07	0.02	23.85	3.34	1.13	0.02
21.30	3.24	1.07	0.02	23.90	3.35	1.13	0.02
21.35	3.25	1.07	0.02	23.95	3.35	1.14	0.02
21.40	3.25	1.07	0.02	24.00	**3.35**	**1.14**	0.02
21.45	3.25	1.07	0.02	24.05	3.35	1.14	0.02
21.50	3.25	1.07	0.02	24.10	3.35	1.14	0.01
21.55	3.26	1.07	0.02	24.15	3.35	1.14	0.01
21.60	3.26	1.08	0.02	24.20	3.35	1.14	0.00
21.65	3.26	1.08	0.02	24.25	3.35	1.14	0.00
21.70	3.26	1.08	0.02	24.30	3.35	1.14	0.00
21.75	3.26	1.08	0.02	24.35	3.35	1.14	0.00
21.80	3.27	1.08	0.02	24.40	3.35	1.14	0.00
21.85	3.27	1.08	0.02	24.45	3.35	1.14	0.00
21.90	3.27	1.08	0.02	24.50	3.35	1.14	0.00
21.95	3.27	1.09	0.02	24.55	3.35	1.14	0.00
22.00	3.27	1.09	0.02	24.60	3.35	1.14	0.00
22.05	3.28	1.09	0.02	24.65	3.35	1.14	0.00
22.10	3.28	1.09	0.02	24.70	3.35	1.14	0.00
22.15	3.28	1.09	0.02	24.75	3.35	1.14	0.00
22.20	3.28	1.09	0.02	24.80	3.35	1.14	0.00
22.25	3.28	1.09	0.02	24.85	3.35	1.14	0.00
22.30	3.29	1.09	0.02	24.90	3.35	1.14	0.00
22.35	3.29	1.10	0.02	24.95	3.35	1.14	0.00
22.40	3.29	1.10	0.02	25.00	3.35	1.14	0.00
22.45	3.29	1.10	0.02	25.05	3.35	1.14	0.00
22.50	3.29	1.10	0.02	25.10	3.35	1.14	0.00
22.55	3.30	1.10	0.02	25.15	3.35	1.14	0.00
22.60	3.30	1.10	0.02	25.20	3.35	1.14	0.00
22.65	3.30	1.10	0.02	25.25	3.35	1.14	0.00
22.70	3.30	1.11	0.02	25.30	3.35	1.14	0.00
22.75	3.30	1.11	0.02	25.35	3.35	1.14	0.00
22.80	3.31	1.11	0.02	25.40	3.35	1.14	0.00
22.85	3.31	1.11	0.02	25.45	3.35	1.14	0.00
22.90	3.31	1.11	0.02	25.50	3.35	1.14	0.00
22.95	3.31	1.11	0.02	25.55	3.35	1.14	0.00
23.00	3.31	1.11	0.02	25.60	3.35	1.14	0.00
23.05	3.32	1.11	0.02	25.65	3.35	1.14	0.00
23.10	3.32	1.12	0.02	25.70	3.35	1.14	0.00
23.15	3.32	1.12	0.02	25.75	3.35	1.14	0.00
23.20	3.32	1.12	0.02	25.80	3.35	1.14	0.00
23.25	3.32	1.12	0.02	25.85	3.35	1.14	0.00
23.30	3.32	1.12	0.02	25.90	3.35	1.14	0.00
23.35	3.33	1.12	0.02	25.95	3.35	1.14	0.00

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	1.14	0.00	28.60	3.35	1.14	0.00
26.05	3.35	1.14	0.00	28.65	3.35	1.14	0.00
26.10	3.35	1.14	0.00	28.70	3.35	1.14	0.00
26.15	3.35	1.14	0.00	28.75	3.35	1.14	0.00
26.20	3.35	1.14	0.00	28.80	3.35	1.14	0.00
26.25	3.35	1.14	0.00	28.85	3.35	1.14	0.00
26.30	3.35	1.14	0.00	28.90	3.35	1.14	0.00
26.35	3.35	1.14	0.00	28.95	3.35	1.14	0.00
26.40	3.35	1.14	0.00	29.00	3.35	1.14	0.00
26.45	3.35	1.14	0.00	29.05	3.35	1.14	0.00
26.50	3.35	1.14	0.00	29.10	3.35	1.14	0.00
26.55	3.35	1.14	0.00	29.15	3.35	1.14	0.00
26.60	3.35	1.14	0.00	29.20	3.35	1.14	0.00
26.65	3.35	1.14	0.00	29.25	3.35	1.14	0.00
26.70	3.35	1.14	0.00	29.30	3.35	1.14	0.00
26.75	3.35	1.14	0.00	29.35	3.35	1.14	0.00
26.80	3.35	1.14	0.00	29.40	3.35	1.14	0.00
26.85	3.35	1.14	0.00	29.45	3.35	1.14	0.00
26.90	3.35	1.14	0.00	29.50	3.35	1.14	0.00
26.95	3.35	1.14	0.00	29.55	3.35	1.14	0.00
27.00	3.35	1.14	0.00	29.60	3.35	1.14	0.00
27.05	3.35	1.14	0.00	29.65	3.35	1.14	0.00
27.10	3.35	1.14	0.00	29.70	3.35	1.14	0.00
27.15	3.35	1.14	0.00	29.75	3.35	1.14	0.00
27.20	3.35	1.14	0.00	29.80	3.35	1.14	0.00
27.25	3.35	1.14	0.00	29.85	3.35	1.14	0.00
27.30	3.35	1.14	0.00	29.90	3.35	1.14	0.00
27.35	3.35	1.14	0.00	29.95	3.35	1.14	0.00
27.40	3.35	1.14	0.00	30.00	3.35	1.14	0.00
27.45	3.35	1.14	0.00	30.05	3.35	1.14	0.00
27.50	3.35	1.14	0.00	30.10	3.35	1.14	0.00
27.55	3.35	1.14	0.00	30.15	3.35	1.14	0.00
27.60	3.35	1.14	0.00	30.20	3.35	1.14	0.00
27.65	3.35	1.14	0.00	30.25	3.35	1.14	0.00
27.70	3.35	1.14	0.00	30.30	3.35	1.14	0.00
27.75	3.35	1.14	0.00	30.35	3.35	1.14	0.00
27.80	3.35	1.14	0.00	30.40	3.35	1.14	0.00
27.85	3.35	1.14	0.00	30.45	3.35	1.14	0.00
27.90	3.35	1.14	0.00	30.50	3.35	1.14	0.00
27.95	3.35	1.14	0.00	30.55	3.35	1.14	0.00
28.00	3.35	1.14	0.00	30.60	3.35	1.14	0.00
28.05	3.35	1.14	0.00	30.65	3.35	1.14	0.00
28.10	3.35	1.14	0.00	30.70	3.35	1.14	0.00
28.15	3.35	1.14	0.00	30.75	3.35	1.14	0.00
28.20	3.35	1.14	0.00	30.80	3.35	1.14	0.00
28.25	3.35	1.14	0.00	30.85	3.35	1.14	0.00
28.30	3.35	1.14	0.00	30.90	3.35	1.14	0.00
28.35	3.35	1.14	0.00	30.95	3.35	1.14	0.00
28.40	3.35	1.14	0.00	31.00	3.35	1.14	0.00
28.45	3.35	1.14	0.00	31.05	3.35	1.14	0.00
28.50	3.35	1.14	0.00	31.10	3.35	1.14	0.00
28.55	3.35	1.14	0.00	31.15	3.35	1.14	0.00

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	1.14	0.00	33.80	3.35	1.14	0.00
31.25	3.35	1.14	0.00	33.85	3.35	1.14	0.00
31.30	3.35	1.14	0.00	33.90	3.35	1.14	0.00
31.35	3.35	1.14	0.00	33.95	3.35	1.14	0.00
31.40	3.35	1.14	0.00	34.00	3.35	1.14	0.00
31.45	3.35	1.14	0.00	34.05	3.35	1.14	0.00
31.50	3.35	1.14	0.00	34.10	3.35	1.14	0.00
31.55	3.35	1.14	0.00	34.15	3.35	1.14	0.00
31.60	3.35	1.14	0.00	34.20	3.35	1.14	0.00
31.65	3.35	1.14	0.00	34.25	3.35	1.14	0.00
31.70	3.35	1.14	0.00	34.30	3.35	1.14	0.00
31.75	3.35	1.14	0.00	34.35	3.35	1.14	0.00
31.80	3.35	1.14	0.00	34.40	3.35	1.14	0.00
31.85	3.35	1.14	0.00	34.45	3.35	1.14	0.00
31.90	3.35	1.14	0.00	34.50	3.35	1.14	0.00
31.95	3.35	1.14	0.00	34.55	3.35	1.14	0.00
32.00	3.35	1.14	0.00	34.60	3.35	1.14	0.00
32.05	3.35	1.14	0.00	34.65	3.35	1.14	0.00
32.10	3.35	1.14	0.00	34.70	3.35	1.14	0.00
32.15	3.35	1.14	0.00	34.75	3.35	1.14	0.00
32.20	3.35	1.14	0.00	34.80	3.35	1.14	0.00
32.25	3.35	1.14	0.00	34.85	3.35	1.14	0.00
32.30	3.35	1.14	0.00	34.90	3.35	1.14	0.00
32.35	3.35	1.14	0.00	34.95	3.35	1.14	0.00
32.40	3.35	1.14	0.00	35.00	3.35	1.14	0.00
32.45	3.35	1.14	0.00	35.05	3.35	1.14	0.00
32.50	3.35	1.14	0.00	35.10	3.35	1.14	0.00
32.55	3.35	1.14	0.00	35.15	3.35	1.14	0.00
32.60	3.35	1.14	0.00	35.20	3.35	1.14	0.00
32.65	3.35	1.14	0.00	35.25	3.35	1.14	0.00
32.70	3.35	1.14	0.00	35.30	3.35	1.14	0.00
32.75	3.35	1.14	0.00	35.35	3.35	1.14	0.00
32.80	3.35	1.14	0.00	35.40	3.35	1.14	0.00
32.85	3.35	1.14	0.00	35.45	3.35	1.14	0.00
32.90	3.35	1.14	0.00	35.50	3.35	1.14	0.00
32.95	3.35	1.14	0.00	35.55	3.35	1.14	0.00
33.00	3.35	1.14	0.00	35.60	3.35	1.14	0.00
33.05	3.35	1.14	0.00	35.65	3.35	1.14	0.00
33.10	3.35	1.14	0.00	35.70	3.35	1.14	0.00
33.15	3.35	1.14	0.00	35.75	3.35	1.14	0.00
33.20	3.35	1.14	0.00	35.80	3.35	1.14	0.00
33.25	3.35	1.14	0.00	35.85	3.35	1.14	0.00
33.30	3.35	1.14	0.00	35.90	3.35	1.14	0.00
33.35	3.35	1.14	0.00	35.95	3.35	1.14	0.00
33.40	3.35	1.14	0.00	36.00	3.35	1.14	0.00
33.45	3.35	1.14	0.00	36.05	3.35	1.14	0.00
33.50	3.35	1.14	0.00	36.10	3.35	1.14	0.00
33.55	3.35	1.14	0.00	36.15	3.35	1.14	0.00
33.60	3.35	1.14	0.00	36.20	3.35	1.14	0.00
33.65	3.35	1.14	0.00	36.25	3.35	1.14	0.00
33.70	3.35	1.14	0.00	36.30	3.35	1.14	0.00
33.75	3.35	1.14	0.00	36.35	3.35	1.14	0.00

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	1.14	0.00
36.45	3.35	1.14	0.00
36.50	3.35	1.14	0.00
36.55	3.35	1.14	0.00
36.60	3.35	1.14	0.00
36.65	3.35	1.14	0.00
36.70	3.35	1.14	0.00
36.75	3.35	1.14	0.00
36.80	3.35	1.14	0.00
36.85	3.35	1.14	0.00
36.90	3.35	1.14	0.00
36.95	3.35	1.14	0.00
37.00	3.35	1.14	0.00
37.05	3.35	1.14	0.00
37.10	3.35	1.14	0.00
37.15	3.35	1.14	0.00
37.20	3.35	1.14	0.00
37.25	3.35	1.14	0.00
37.30	3.35	1.14	0.00
37.35	3.35	1.14	0.00
37.40	3.35	1.14	0.00
37.45	3.35	1.14	0.00
37.50	3.35	1.14	0.00
37.55	3.35	1.14	0.00
37.60	3.35	1.14	0.00
37.65	3.35	1.14	0.00
37.70	3.35	1.14	0.00
37.75	3.35	1.14	0.00
37.80	3.35	1.14	0.00
37.85	3.35	1.14	0.00
37.90	3.35	1.14	0.00
37.95	3.35	1.14	0.00
38.00	3.35	1.14	0.00
38.05	3.35	1.14	0.00
38.10	3.35	1.14	0.00
38.15	3.35	1.14	0.00
38.20	3.35	1.14	0.00
38.25	3.35	1.14	0.00
38.30	3.35	1.14	0.00
38.35	3.35	1.14	0.00
38.40	3.35	1.14	0.00
38.45	3.35	1.14	0.00
38.50	3.35	1.14	0.00
38.55	3.35	1.14	0.00
38.60	3.35	1.14	0.00
38.65	3.35	1.14	0.00
38.70	3.35	1.14	0.00
38.75	3.35	1.14	0.00
38.80	3.35	1.14	0.00
38.85	3.35	1.14	0.00
38.90	3.35	1.14	0.00
38.95	3.35	1.14	0.00
39.00	3.35	1.14	0.00
39.05	3.35	1.14	0.00
39.10	3.35	1.14	0.00
39.15	3.35	1.14	0.00
39.20	3.35	1.14	0.00
39.25	3.35	1.14	0.00
39.30	3.35	1.14	0.00
39.35	3.35	1.14	0.00
39.40	3.35	1.14	0.00
39.45	3.35	1.14	0.00
39.50	3.35	1.14	0.00
39.55	3.35	1.14	0.00
39.60	3.35	1.14	0.00
39.65	3.35	1.14	0.00
39.70	3.35	1.14	0.00
39.75	3.35	1.14	0.00
39.80	3.35	1.14	0.00
39.85	3.35	1.14	0.00
39.90	3.35	1.14	0.00
39.95	3.35	1.14	0.00
40.00	3.35	1.14	0.00

Summary for Subcatchment 58I: PDA-58 (impervious)

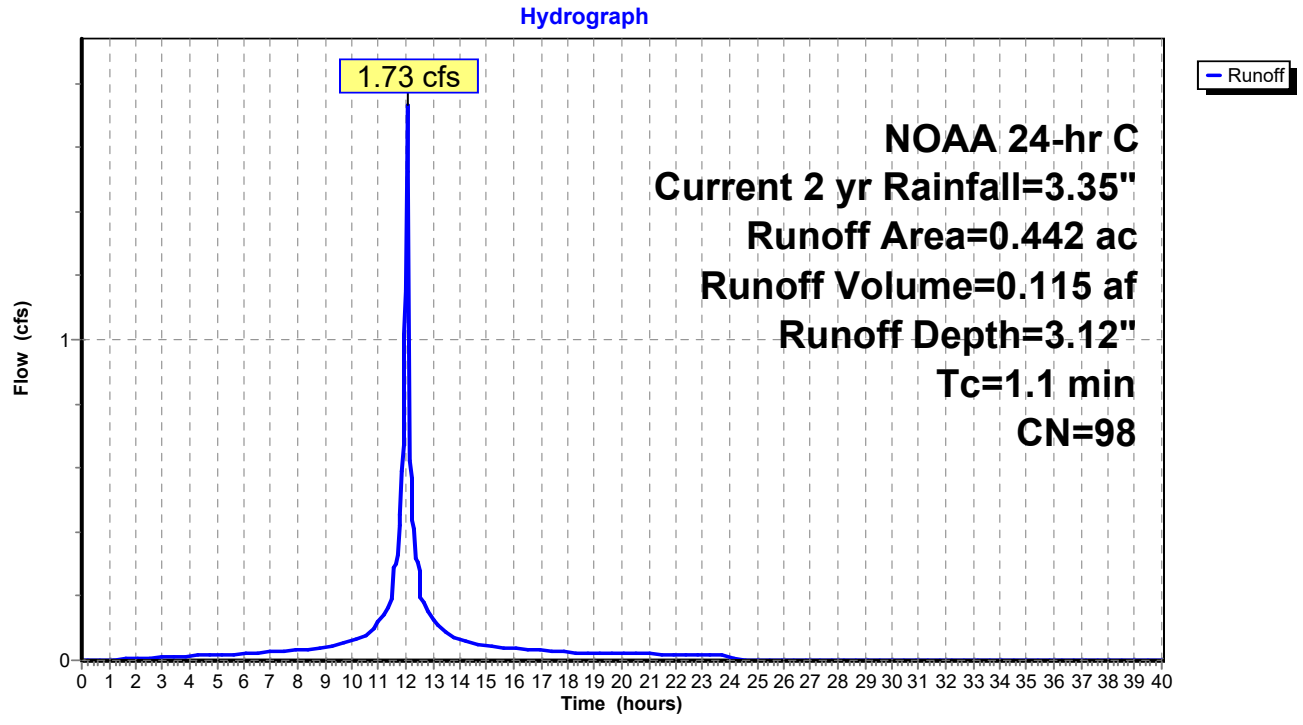
Runoff = 1.73 cfs @ 12.06 hrs, Volume= 0.115 af, Depth= 3.12"
Routed to Pond B-58 : Basin #58

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

	Area (ac)	CN	Description
*	0.442	98	Roof, HSG C
*	0.000	98	Concrete, HSG C
	0.442	98	Weighted Average
	0.442		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.1					**Direct Entry,**

Subcatchment 58I: PDA-58 (impervious)



Hydrograph for Subcatchment 58I: PDA-58 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.01	0.01
0.05	0.00	0.00	0.00	2.65	0.10	0.01	0.01
0.10	0.00	0.00	0.00	2.70	0.11	0.02	0.01
0.15	0.01	0.00	0.00	2.75	0.11	0.02	0.01
0.20	0.01	0.00	0.00	2.80	0.11	0.02	0.01
0.25	0.01	0.00	0.00	2.85	0.11	0.02	0.01
0.30	0.01	0.00	0.00	2.90	0.11	0.02	0.01
0.35	0.01	0.00	0.00	2.95	0.12	0.02	0.01
0.40	0.01	0.00	0.00	3.00	0.12	0.02	0.01
0.45	0.02	0.00	0.00	3.05	0.12	0.02	0.01
0.50	0.02	0.00	0.00	3.10	0.12	0.02	0.01
0.55	0.02	0.00	0.00	3.15	0.12	0.02	0.01
0.60	0.02	0.00	0.00	3.20	0.13	0.03	0.01
0.65	0.02	0.00	0.00	3.25	0.13	0.03	0.01
0.70	0.03	0.00	0.00	3.30	0.13	0.03	0.01
0.75	0.03	0.00	0.00	3.35	0.13	0.03	0.01
0.80	0.03	0.00	0.00	3.40	0.14	0.03	0.01
0.85	0.03	0.00	0.00	3.45	0.14	0.03	0.01
0.90	0.03	0.00	0.00	3.50	0.14	0.03	0.01
0.95	0.03	0.00	0.00	3.55	0.14	0.03	0.01
1.00	0.04	0.00	0.00	3.60	0.15	0.04	0.01
1.05	0.04	0.00	0.00	3.65	0.15	0.04	0.01
1.10	0.04	0.00	0.00	3.70	0.15	0.04	0.01
1.15	0.04	0.00	0.00	3.75	0.15	0.04	0.01
1.20	0.04	0.00	0.00	3.80	0.15	0.04	0.01
1.25	0.05	0.00	0.00	3.85	0.16	0.04	0.01
1.30	0.05	0.00	0.00	3.90	0.16	0.04	0.01
1.35	0.05	0.00	0.00	3.95	0.16	0.04	0.01
1.40	0.05	0.00	0.00	4.00	0.16	0.05	0.01
1.45	0.05	0.00	0.00	4.05	0.17	0.05	0.01
1.50	0.06	0.00	0.00	4.10	0.17	0.05	0.01
1.55	0.06	0.00	0.00	4.15	0.17	0.05	0.01
1.60	0.06	0.00	0.00	4.20	0.17	0.05	0.01
1.65	0.06	0.00	0.00	4.25	0.18	0.05	0.01
1.70	0.06	0.00	0.00	4.30	0.18	0.06	0.01
1.75	0.07	0.00	0.00	4.35	0.18	0.06	0.01
1.80	0.07	0.00	0.00	4.40	0.18	0.06	0.01
1.85	0.07	0.00	0.00	4.45	0.19	0.06	0.01
1.90	0.07	0.00	0.00	4.50	0.19	0.06	0.01
1.95	0.07	0.00	0.00	4.55	0.19	0.06	0.01
2.00	0.08	0.01	0.00	4.60	0.19	0.07	0.01
2.05	0.08	0.01	0.01	4.65	0.20	0.07	0.01
2.10	0.08	0.01	0.01	4.70	0.20	0.07	0.02
2.15	0.08	0.01	0.01	4.75	0.20	0.07	0.02
2.20	0.08	0.01	0.01	4.80	0.20	0.07	0.02
2.25	0.09	0.01	0.01	4.85	0.21	0.07	0.02
2.30	0.09	0.01	0.01	4.90	0.21	0.08	0.02
2.35	0.09	0.01	0.01	4.95	0.21	0.08	0.02
2.40	0.09	0.01	0.01	5.00	0.21	0.08	0.02
2.45	0.09	0.01	0.01	5.05	0.22	0.08	0.02
2.50	0.10	0.01	0.01	5.10	0.22	0.08	0.02
2.55	0.10	0.01	0.01	5.15	0.22	0.08	0.02

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.09	0.02	7.80	0.39	0.22	0.03
5.25	0.23	0.09	0.02	7.85	0.39	0.22	0.03
5.30	0.23	0.09	0.02	7.90	0.39	0.22	0.03
5.35	0.23	0.09	0.02	7.95	0.40	0.23	0.03
5.40	0.23	0.09	0.02	8.00	0.40	0.23	0.03
5.45	0.24	0.10	0.02	8.05	0.41	0.23	0.03
5.50	0.24	0.10	0.02	8.10	0.41	0.24	0.03
5.55	0.24	0.10	0.02	8.15	0.41	0.24	0.03
5.60	0.24	0.10	0.02	8.20	0.42	0.24	0.03
5.65	0.25	0.10	0.02	8.25	0.42	0.25	0.03
5.70	0.25	0.11	0.02	8.30	0.43	0.25	0.03
5.75	0.25	0.11	0.02	8.35	0.43	0.26	0.03
5.80	0.25	0.11	0.02	8.40	0.43	0.26	0.03
5.85	0.26	0.11	0.02	8.45	0.44	0.26	0.03
5.90	0.26	0.11	0.02	8.50	0.44	0.27	0.03
5.95	0.26	0.12	0.02	8.55	0.45	0.27	0.03
6.00	0.27	0.12	0.02	8.60	0.45	0.28	0.04
6.05	0.27	0.12	0.02	8.65	0.46	0.28	0.04
6.10	0.27	0.12	0.02	8.70	0.46	0.28	0.04
6.15	0.27	0.12	0.02	8.75	0.47	0.29	0.04
6.20	0.28	0.13	0.02	8.80	0.47	0.29	0.04
6.25	0.28	0.13	0.02	8.85	0.48	0.30	0.04
6.30	0.28	0.13	0.02	8.90	0.48	0.30	0.04
6.35	0.29	0.13	0.02	8.95	0.48	0.30	0.04
6.40	0.29	0.14	0.02	9.00	0.49	0.31	0.04
6.45	0.29	0.14	0.02	9.05	0.49	0.31	0.04
6.50	0.29	0.14	0.02	9.10	0.50	0.32	0.04
6.55	0.30	0.14	0.02	9.15	0.50	0.32	0.04
6.60	0.30	0.15	0.02	9.20	0.51	0.33	0.04
6.65	0.30	0.15	0.02	9.25	0.51	0.33	0.04
6.70	0.31	0.15	0.02	9.30	0.52	0.34	0.04
6.75	0.31	0.15	0.02	9.35	0.53	0.34	0.05
6.80	0.31	0.16	0.02	9.40	0.53	0.35	0.05
6.85	0.32	0.16	0.02	9.45	0.54	0.35	0.05
6.90	0.32	0.16	0.02	9.50	0.54	0.36	0.05
6.95	0.32	0.16	0.02	9.55	0.55	0.36	0.05
7.00	0.33	0.17	0.02	9.60	0.56	0.37	0.05
7.05	0.33	0.17	0.03	9.65	0.56	0.38	0.05
7.10	0.33	0.17	0.03	9.70	0.57	0.38	0.05
7.15	0.34	0.18	0.03	9.75	0.58	0.39	0.06
7.20	0.34	0.18	0.03	9.80	0.58	0.39	0.06
7.25	0.34	0.18	0.03	9.85	0.59	0.40	0.06
7.30	0.35	0.18	0.03	9.90	0.60	0.41	0.06
7.35	0.35	0.19	0.03	9.95	0.60	0.41	0.06
7.40	0.35	0.19	0.03	10.00	0.61	0.42	0.06
7.45	0.36	0.19	0.03	10.05	0.62	0.43	0.06
7.50	0.36	0.20	0.03	10.10	0.63	0.43	0.06
7.55	0.37	0.20	0.03	10.15	0.63	0.44	0.06
7.60	0.37	0.20	0.03	10.20	0.64	0.45	0.06
7.65	0.37	0.21	0.03	10.25	0.65	0.46	0.07
7.70	0.38	0.21	0.03	10.30	0.66	0.46	0.07
7.75	0.38	0.21	0.03	10.35	0.67	0.47	0.07

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.48	0.07	13.00	2.55	2.32	0.13
10.45	0.68	0.49	0.07	13.05	2.56	2.33	0.12
10.50	0.69	0.49	0.07	13.10	2.57	2.34	0.12
10.55	0.70	0.50	0.08	13.15	2.58	2.36	0.11
10.60	0.71	0.51	0.08	13.20	2.60	2.37	0.11
10.65	0.72	0.52	0.09	13.25	2.61	2.38	0.10
10.70	0.73	0.53	0.09	13.30	2.62	2.39	0.10
10.75	0.74	0.54	0.10	13.35	2.63	2.40	0.09
10.80	0.75	0.55	0.10	13.40	2.64	2.41	0.09
10.85	0.77	0.57	0.10	13.45	2.65	2.42	0.08
10.90	0.78	0.58	0.11	13.50	2.66	2.43	0.08
10.95	0.79	0.59	0.11	13.55	2.67	2.44	0.08
11.00	0.80	0.60	0.12	13.60	2.68	2.45	0.07
11.05	0.82	0.62	0.13	13.65	2.68	2.45	0.07
11.10	0.83	0.63	0.13	13.70	2.69	2.46	0.07
11.15	0.85	0.65	0.14	13.75	2.70	2.47	0.07
11.20	0.87	0.66	0.15	13.80	2.71	2.48	0.07
11.25	0.89	0.68	0.16	13.85	2.72	2.49	0.07
11.30	0.91	0.70	0.16	13.90	2.72	2.49	0.07
11.35	0.93	0.72	0.18	13.95	2.73	2.50	0.07
11.40	0.95	0.74	0.18	14.00	2.74	2.51	0.07
11.45	0.97	0.76	0.19	14.05	2.75	2.52	0.06
11.50	0.99	0.78	0.21	14.10	2.75	2.52	0.06
11.55	1.02	0.81	0.29	14.15	2.76	2.53	0.06
11.60	1.06	0.85	0.30	14.20	2.77	2.54	0.06
11.65	1.09	0.88	0.31	14.25	2.77	2.54	0.06
11.70	1.13	0.92	0.33	14.30	2.78	2.55	0.06
11.75	1.18	0.96	0.42	14.35	2.79	2.56	0.06
11.80	1.23	1.01	0.46	14.40	2.79	2.56	0.06
11.85	1.29	1.08	0.59	14.45	2.80	2.57	0.06
11.90	1.36	1.14	0.67	14.50	2.81	2.58	0.05
11.95	1.48	1.26	1.02	14.55	2.81	2.58	0.05
12.00	1.60	1.38	1.15	14.60	2.82	2.59	0.05
12.05	1.79	1.57	**1.71**	14.65	2.82	2.59	0.05
12.10	1.99	1.76	1.52	14.70	2.83	2.60	0.05
12.15	2.06	1.83	0.62	14.75	2.84	2.60	0.05
12.20	2.12	1.90	0.57	14.80	2.84	2.61	0.05
12.25	2.17	1.95	0.44	14.85	2.85	2.61	0.05
12.30	2.22	1.99	0.41	14.90	2.85	2.62	0.05
12.35	2.26	2.03	0.32	14.95	2.86	2.62	0.04
12.40	2.29	2.06	0.31	15.00	2.86	2.63	0.04
12.45	2.33	2.10	0.30	15.05	2.87	2.63	0.04
12.50	2.36	2.13	0.28	15.10	2.87	2.64	0.04
12.55	2.38	2.15	0.20	15.15	2.87	2.64	0.04
12.60	2.40	2.18	0.19	15.20	2.88	2.65	0.04
12.65	2.42	2.20	0.18	15.25	2.88	2.65	0.04
12.70	2.44	2.22	0.18	15.30	2.89	2.66	0.04
12.75	2.46	2.23	0.17	15.35	2.89	2.66	0.04
12.80	2.48	2.25	0.16	15.40	2.90	2.67	0.04
12.85	2.50	2.27	0.15	15.45	2.90	2.67	0.04
12.90	2.52	2.29	0.15	15.50	2.91	2.68	0.04
12.95	2.53	2.30	0.13	15.55	2.91	2.68	0.04

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	2.68	0.04	18.20	3.10	2.86	0.02
15.65	2.92	2.69	0.04	18.25	3.10	2.87	0.02
15.70	2.92	2.69	0.04	18.30	3.10	2.87	0.02
15.75	2.93	2.70	0.04	18.35	3.10	2.87	0.02
15.80	2.93	2.70	0.04	18.40	3.11	2.87	0.02
15.85	2.94	2.70	0.04	18.45	3.11	2.88	0.02
15.90	2.94	2.71	0.04	18.50	3.11	2.88	0.02
15.95	2.94	2.71	0.04	18.55	3.11	2.88	0.02
16.00	2.95	2.72	0.04	18.60	3.12	2.88	0.02
16.05	2.95	2.72	0.04	18.65	3.12	2.89	0.02
16.10	2.96	2.73	0.04	18.70	3.12	2.89	0.02
16.15	2.96	2.73	0.04	18.75	3.12	2.89	0.02
16.20	2.96	2.73	0.04	18.80	3.13	2.89	0.02
16.25	2.97	2.74	0.03	18.85	3.13	2.90	0.02
16.30	2.97	2.74	0.03	18.90	3.13	2.90	0.02
16.35	2.98	2.74	0.03	18.95	3.13	2.90	0.02
16.40	2.98	2.75	0.03	19.00	3.14	2.90	0.02
16.45	2.98	2.75	0.03	19.05	3.14	2.91	0.02
16.50	2.99	2.76	0.03	19.10	3.14	2.91	0.02
16.55	2.99	2.76	0.03	19.15	3.14	2.91	0.02
16.60	3.00	2.76	0.03	19.20	3.15	2.91	0.02
16.65	3.00	2.77	0.03	19.25	3.15	2.92	0.02
16.70	3.00	2.77	0.03	19.30	3.15	2.92	0.02
16.75	3.01	2.77	0.03	19.35	3.15	2.92	0.02
16.80	3.01	2.78	0.03	19.40	3.16	2.92	0.02
16.85	3.01	2.78	0.03	19.45	3.16	2.93	0.02
16.90	3.02	2.78	0.03	19.50	3.16	2.93	0.02
16.95	3.02	2.79	0.03	19.55	3.16	2.93	0.02
17.00	3.02	2.79	0.03	19.60	3.17	2.93	0.02
17.05	3.03	2.79	0.03	19.65	3.17	2.94	0.02
17.10	3.03	2.80	0.03	19.70	3.17	2.94	0.02
17.15	3.03	2.80	0.03	19.75	3.17	2.94	0.02
17.20	3.04	2.80	0.03	19.80	3.18	2.94	0.02
17.25	3.04	2.81	0.03	19.85	3.18	2.95	0.02
17.30	3.04	2.81	0.03	19.90	3.18	2.95	0.02
17.35	3.05	2.81	0.03	19.95	3.18	2.95	0.02
17.40	3.05	2.82	0.03	20.00	3.19	2.95	0.02
17.45	3.05	2.82	0.03	20.05	3.19	2.96	0.02
17.50	3.06	2.82	0.03	20.10	3.19	2.96	0.02
17.55	3.06	2.83	0.03	20.15	3.19	2.96	0.02
17.60	3.06	2.83	0.03	20.20	3.20	2.96	0.02
17.65	3.06	2.83	0.03	20.25	3.20	2.97	0.02
17.70	3.07	2.84	0.03	20.30	3.20	2.97	0.02
17.75	3.07	2.84	0.03	20.35	3.20	2.97	0.02
17.80	3.07	2.84	0.03	20.40	3.20	2.97	0.02
17.85	3.08	2.84	0.03	20.45	3.21	2.97	0.02
17.90	3.08	2.85	0.03	20.50	3.21	2.98	0.02
17.95	3.08	2.85	0.02	20.55	3.21	2.98	0.02
18.00	3.08	2.85	0.02	20.60	3.21	2.98	0.02
18.05	3.09	2.86	0.02	20.65	3.22	2.98	0.02
18.10	3.09	2.86	0.02	20.70	3.22	2.99	0.02
18.15	3.09	2.86	0.02	20.75	3.22	2.99	0.02

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	2.99	0.02	23.40	3.33	3.10	0.02
20.85	3.23	2.99	0.02	23.45	3.33	3.10	0.02
20.90	3.23	2.99	0.02	23.50	3.33	3.10	0.02
20.95	3.23	3.00	0.02	23.55	3.33	3.10	0.02
21.00	3.23	3.00	0.02	23.60	3.34	3.10	0.02
21.05	3.23	3.00	0.02	23.65	3.34	3.10	0.02
21.10	3.24	3.00	0.02	23.70	3.34	3.11	0.02
21.15	3.24	3.01	0.02	23.75	3.34	3.11	0.02
21.20	3.24	3.01	0.02	23.80	3.34	3.11	0.02
21.25	3.24	3.01	0.02	23.85	3.34	3.11	0.02
21.30	3.24	3.01	0.02	23.90	3.35	3.11	0.02
21.35	3.25	3.01	0.02	23.95	3.35	3.11	0.02
21.40	3.25	3.02	0.02	24.00	**3.35**	**3.12**	0.02
21.45	3.25	3.02	0.02	24.05	3.35	3.12	0.00
21.50	3.25	3.02	0.02	24.10	3.35	3.12	0.00
21.55	3.26	3.02	0.02	24.15	3.35	3.12	0.00
21.60	3.26	3.02	0.02	24.20	3.35	3.12	0.00
21.65	3.26	3.03	0.02	24.25	3.35	3.12	0.00
21.70	3.26	3.03	0.02	24.30	3.35	3.12	0.00
21.75	3.26	3.03	0.02	24.35	3.35	3.12	0.00
21.80	3.27	3.03	0.02	24.40	3.35	3.12	0.00
21.85	3.27	3.04	0.02	24.45	3.35	3.12	0.00
21.90	3.27	3.04	0.02	24.50	3.35	3.12	0.00
21.95	3.27	3.04	0.02	24.55	3.35	3.12	0.00
22.00	3.27	3.04	0.02	24.60	3.35	3.12	0.00
22.05	3.28	3.04	0.02	24.65	3.35	3.12	0.00
22.10	3.28	3.05	0.02	24.70	3.35	3.12	0.00
22.15	3.28	3.05	0.02	24.75	3.35	3.12	0.00
22.20	3.28	3.05	0.02	24.80	3.35	3.12	0.00
22.25	3.28	3.05	0.02	24.85	3.35	3.12	0.00
22.30	3.29	3.05	0.02	24.90	3.35	3.12	0.00
22.35	3.29	3.06	0.02	24.95	3.35	3.12	0.00
22.40	3.29	3.06	0.02	25.00	3.35	3.12	0.00
22.45	3.29	3.06	0.02	25.05	3.35	3.12	0.00
22.50	3.29	3.06	0.02	25.10	3.35	3.12	0.00
22.55	3.30	3.06	0.02	25.15	3.35	3.12	0.00
22.60	3.30	3.07	0.02	25.20	3.35	3.12	0.00
22.65	3.30	3.07	0.02	25.25	3.35	3.12	0.00
22.70	3.30	3.07	0.02	25.30	3.35	3.12	0.00
22.75	3.30	3.07	0.02	25.35	3.35	3.12	0.00
22.80	3.31	3.07	0.02	25.40	3.35	3.12	0.00
22.85	3.31	3.07	0.02	25.45	3.35	3.12	0.00
22.90	3.31	3.08	0.02	25.50	3.35	3.12	0.00
22.95	3.31	3.08	0.02	25.55	3.35	3.12	0.00
23.00	3.31	3.08	0.02	25.60	3.35	3.12	0.00
23.05	3.32	3.08	0.02	25.65	3.35	3.12	0.00
23.10	3.32	3.08	0.02	25.70	3.35	3.12	0.00
23.15	3.32	3.09	0.02	25.75	3.35	3.12	0.00
23.20	3.32	3.09	0.02	25.80	3.35	3.12	0.00
23.25	3.32	3.09	0.02	25.85	3.35	3.12	0.00
23.30	3.32	3.09	0.02	25.90	3.35	3.12	0.00
23.35	3.33	3.09	0.02	25.95	3.35	3.12	0.00

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	3.12	0.00	28.60	3.35	3.12	0.00
26.05	3.35	3.12	0.00	28.65	3.35	3.12	0.00
26.10	3.35	3.12	0.00	28.70	3.35	3.12	0.00
26.15	3.35	3.12	0.00	28.75	3.35	3.12	0.00
26.20	3.35	3.12	0.00	28.80	3.35	3.12	0.00
26.25	3.35	3.12	0.00	28.85	3.35	3.12	0.00
26.30	3.35	3.12	0.00	28.90	3.35	3.12	0.00
26.35	3.35	3.12	0.00	28.95	3.35	3.12	0.00
26.40	3.35	3.12	0.00	29.00	3.35	3.12	0.00
26.45	3.35	3.12	0.00	29.05	3.35	3.12	0.00
26.50	3.35	3.12	0.00	29.10	3.35	3.12	0.00
26.55	3.35	3.12	0.00	29.15	3.35	3.12	0.00
26.60	3.35	3.12	0.00	29.20	3.35	3.12	0.00
26.65	3.35	3.12	0.00	29.25	3.35	3.12	0.00
26.70	3.35	3.12	0.00	29.30	3.35	3.12	0.00
26.75	3.35	3.12	0.00	29.35	3.35	3.12	0.00
26.80	3.35	3.12	0.00	29.40	3.35	3.12	0.00
26.85	3.35	3.12	0.00	29.45	3.35	3.12	0.00
26.90	3.35	3.12	0.00	29.50	3.35	3.12	0.00
26.95	3.35	3.12	0.00	29.55	3.35	3.12	0.00
27.00	3.35	3.12	0.00	29.60	3.35	3.12	0.00
27.05	3.35	3.12	0.00	29.65	3.35	3.12	0.00
27.10	3.35	3.12	0.00	29.70	3.35	3.12	0.00
27.15	3.35	3.12	0.00	29.75	3.35	3.12	0.00
27.20	3.35	3.12	0.00	29.80	3.35	3.12	0.00
27.25	3.35	3.12	0.00	29.85	3.35	3.12	0.00
27.30	3.35	3.12	0.00	29.90	3.35	3.12	0.00
27.35	3.35	3.12	0.00	29.95	3.35	3.12	0.00
27.40	3.35	3.12	0.00	30.00	3.35	3.12	0.00
27.45	3.35	3.12	0.00	30.05	3.35	3.12	0.00
27.50	3.35	3.12	0.00	30.10	3.35	3.12	0.00
27.55	3.35	3.12	0.00	30.15	3.35	3.12	0.00
27.60	3.35	3.12	0.00	30.20	3.35	3.12	0.00
27.65	3.35	3.12	0.00	30.25	3.35	3.12	0.00
27.70	3.35	3.12	0.00	30.30	3.35	3.12	0.00
27.75	3.35	3.12	0.00	30.35	3.35	3.12	0.00
27.80	3.35	3.12	0.00	30.40	3.35	3.12	0.00
27.85	3.35	3.12	0.00	30.45	3.35	3.12	0.00
27.90	3.35	3.12	0.00	30.50	3.35	3.12	0.00
27.95	3.35	3.12	0.00	30.55	3.35	3.12	0.00
28.00	3.35	3.12	0.00	30.60	3.35	3.12	0.00
28.05	3.35	3.12	0.00	30.65	3.35	3.12	0.00
28.10	3.35	3.12	0.00	30.70	3.35	3.12	0.00
28.15	3.35	3.12	0.00	30.75	3.35	3.12	0.00
28.20	3.35	3.12	0.00	30.80	3.35	3.12	0.00
28.25	3.35	3.12	0.00	30.85	3.35	3.12	0.00
28.30	3.35	3.12	0.00	30.90	3.35	3.12	0.00
28.35	3.35	3.12	0.00	30.95	3.35	3.12	0.00
28.40	3.35	3.12	0.00	31.00	3.35	3.12	0.00
28.45	3.35	3.12	0.00	31.05	3.35	3.12	0.00
28.50	3.35	3.12	0.00	31.10	3.35	3.12	0.00
28.55	3.35	3.12	0.00	31.15	3.35	3.12	0.00

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	3.12	0.00	33.80	3.35	3.12	0.00
31.25	3.35	3.12	0.00	33.85	3.35	3.12	0.00
31.30	3.35	3.12	0.00	33.90	3.35	3.12	0.00
31.35	3.35	3.12	0.00	33.95	3.35	3.12	0.00
31.40	3.35	3.12	0.00	34.00	3.35	3.12	0.00
31.45	3.35	3.12	0.00	34.05	3.35	3.12	0.00
31.50	3.35	3.12	0.00	34.10	3.35	3.12	0.00
31.55	3.35	3.12	0.00	34.15	3.35	3.12	0.00
31.60	3.35	3.12	0.00	34.20	3.35	3.12	0.00
31.65	3.35	3.12	0.00	34.25	3.35	3.12	0.00
31.70	3.35	3.12	0.00	34.30	3.35	3.12	0.00
31.75	3.35	3.12	0.00	34.35	3.35	3.12	0.00
31.80	3.35	3.12	0.00	34.40	3.35	3.12	0.00
31.85	3.35	3.12	0.00	34.45	3.35	3.12	0.00
31.90	3.35	3.12	0.00	34.50	3.35	3.12	0.00
31.95	3.35	3.12	0.00	34.55	3.35	3.12	0.00
32.00	3.35	3.12	0.00	34.60	3.35	3.12	0.00
32.05	3.35	3.12	0.00	34.65	3.35	3.12	0.00
32.10	3.35	3.12	0.00	34.70	3.35	3.12	0.00
32.15	3.35	3.12	0.00	34.75	3.35	3.12	0.00
32.20	3.35	3.12	0.00	34.80	3.35	3.12	0.00
32.25	3.35	3.12	0.00	34.85	3.35	3.12	0.00
32.30	3.35	3.12	0.00	34.90	3.35	3.12	0.00
32.35	3.35	3.12	0.00	34.95	3.35	3.12	0.00
32.40	3.35	3.12	0.00	35.00	3.35	3.12	0.00
32.45	3.35	3.12	0.00	35.05	3.35	3.12	0.00
32.50	3.35	3.12	0.00	35.10	3.35	3.12	0.00
32.55	3.35	3.12	0.00	35.15	3.35	3.12	0.00
32.60	3.35	3.12	0.00	35.20	3.35	3.12	0.00
32.65	3.35	3.12	0.00	35.25	3.35	3.12	0.00
32.70	3.35	3.12	0.00	35.30	3.35	3.12	0.00
32.75	3.35	3.12	0.00	35.35	3.35	3.12	0.00
32.80	3.35	3.12	0.00	35.40	3.35	3.12	0.00
32.85	3.35	3.12	0.00	35.45	3.35	3.12	0.00
32.90	3.35	3.12	0.00	35.50	3.35	3.12	0.00
32.95	3.35	3.12	0.00	35.55	3.35	3.12	0.00
33.00	3.35	3.12	0.00	35.60	3.35	3.12	0.00
33.05	3.35	3.12	0.00	35.65	3.35	3.12	0.00
33.10	3.35	3.12	0.00	35.70	3.35	3.12	0.00
33.15	3.35	3.12	0.00	35.75	3.35	3.12	0.00
33.20	3.35	3.12	0.00	35.80	3.35	3.12	0.00
33.25	3.35	3.12	0.00	35.85	3.35	3.12	0.00
33.30	3.35	3.12	0.00	35.90	3.35	3.12	0.00
33.35	3.35	3.12	0.00	35.95	3.35	3.12	0.00
33.40	3.35	3.12	0.00	36.00	3.35	3.12	0.00
33.45	3.35	3.12	0.00	36.05	3.35	3.12	0.00
33.50	3.35	3.12	0.00	36.10	3.35	3.12	0.00
33.55	3.35	3.12	0.00	36.15	3.35	3.12	0.00
33.60	3.35	3.12	0.00	36.20	3.35	3.12	0.00
33.65	3.35	3.12	0.00	36.25	3.35	3.12	0.00
33.70	3.35	3.12	0.00	36.30	3.35	3.12	0.00
33.75	3.35	3.12	0.00	36.35	3.35	3.12	0.00

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	3.12	0.00
36.45	3.35	3.12	0.00
36.50	3.35	3.12	0.00
36.55	3.35	3.12	0.00
36.60	3.35	3.12	0.00
36.65	3.35	3.12	0.00
36.70	3.35	3.12	0.00
36.75	3.35	3.12	0.00
36.80	3.35	3.12	0.00
36.85	3.35	3.12	0.00
36.90	3.35	3.12	0.00
36.95	3.35	3.12	0.00
37.00	3.35	3.12	0.00
37.05	3.35	3.12	0.00
37.10	3.35	3.12	0.00
37.15	3.35	3.12	0.00
37.20	3.35	3.12	0.00
37.25	3.35	3.12	0.00
37.30	3.35	3.12	0.00
37.35	3.35	3.12	0.00
37.40	3.35	3.12	0.00
37.45	3.35	3.12	0.00
37.50	3.35	3.12	0.00
37.55	3.35	3.12	0.00
37.60	3.35	3.12	0.00
37.65	3.35	3.12	0.00
37.70	3.35	3.12	0.00
37.75	3.35	3.12	0.00
37.80	3.35	3.12	0.00
37.85	3.35	3.12	0.00
37.90	3.35	3.12	0.00
37.95	3.35	3.12	0.00
38.00	3.35	3.12	0.00
38.05	3.35	3.12	0.00
38.10	3.35	3.12	0.00
38.15	3.35	3.12	0.00
38.20	3.35	3.12	0.00
38.25	3.35	3.12	0.00
38.30	3.35	3.12	0.00
38.35	3.35	3.12	0.00
38.40	3.35	3.12	0.00
38.45	3.35	3.12	0.00
38.50	3.35	3.12	0.00
38.55	3.35	3.12	0.00
38.60	3.35	3.12	0.00
38.65	3.35	3.12	0.00
38.70	3.35	3.12	0.00
38.75	3.35	3.12	0.00
38.80	3.35	3.12	0.00
38.85	3.35	3.12	0.00
38.90	3.35	3.12	0.00
38.95	3.35	3.12	0.00
39.00	3.35	3.12	0.00
39.05	3.35	3.12	0.00
39.10	3.35	3.12	0.00
39.15	3.35	3.12	0.00
39.20	3.35	3.12	0.00
39.25	3.35	3.12	0.00
39.30	3.35	3.12	0.00
39.35	3.35	3.12	0.00
39.40	3.35	3.12	0.00
39.45	3.35	3.12	0.00
39.50	3.35	3.12	0.00
39.55	3.35	3.12	0.00
39.60	3.35	3.12	0.00
39.65	3.35	3.12	0.00
39.70	3.35	3.12	0.00
39.75	3.35	3.12	0.00
39.80	3.35	3.12	0.00
39.85	3.35	3.12	0.00
39.90	3.35	3.12	0.00
39.95	3.35	3.12	0.00
40.00	3.35	3.12	0.00

Summary for Subcatchment 58P: PDA-58 (pervious)

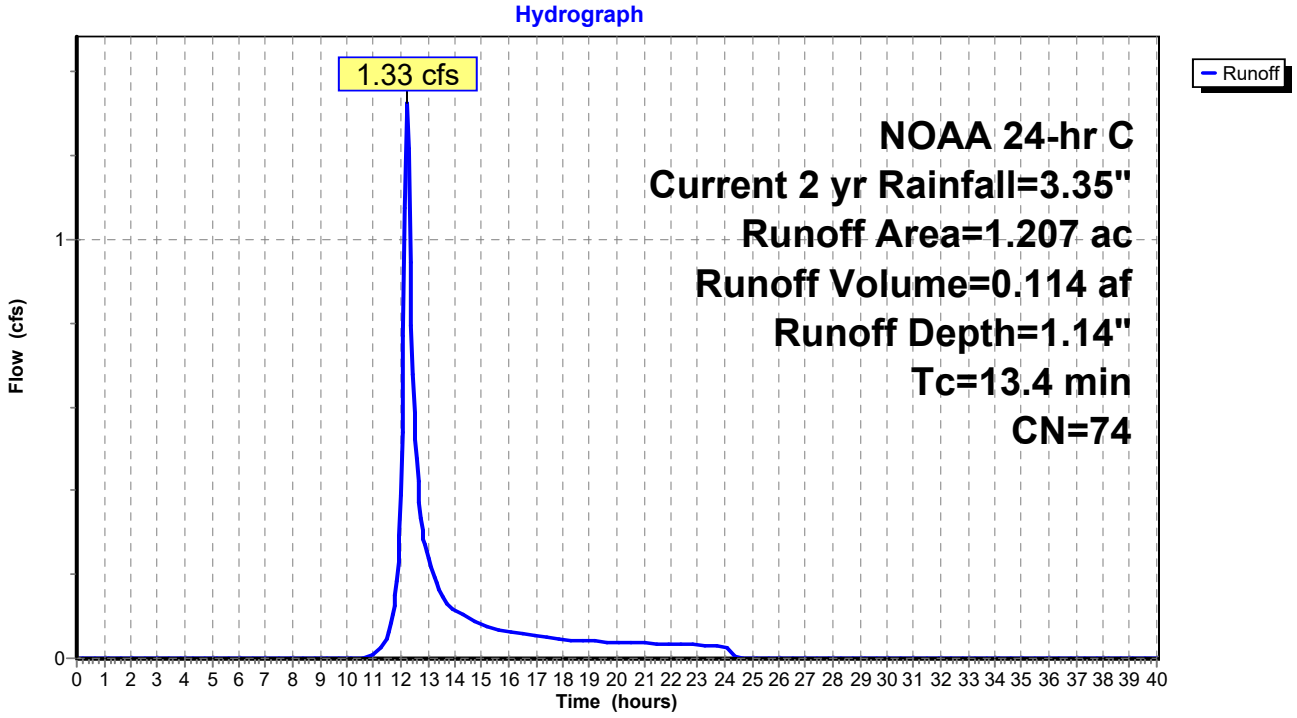
Runoff = 1.33 cfs @ 12.22 hrs, Volume= 0.114 af, Depth= 1.14"
Routed to Pond B-58 : Basin #58

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
1.207	74	>75% Grass cover, Good, HSG C
1.207		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
13.4					**Direct Entry,**

Subcatchment 58P: PDA-58 (pervious)



Hydrograph for Subcatchment 58P: PDA-58 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.63	0.25
10.45	0.68	0.00	0.00	13.05	2.56	0.64	0.23
10.50	0.69	0.00	0.00	13.10	2.57	0.65	0.22
10.55	0.70	0.00	0.00	13.15	2.58	0.66	0.21
10.60	0.71	0.00	0.00	13.20	2.60	0.66	0.20
10.65	0.72	0.00	0.00	13.25	2.61	0.67	0.19
10.70	0.73	0.00	0.00	13.30	2.62	0.68	0.18
10.75	0.74	0.00	0.00	13.35	2.63	0.68	0.17
10.80	0.75	0.00	0.00	13.40	2.64	0.69	0.17
10.85	0.77	0.00	0.00	13.45	2.65	0.69	0.16
10.90	0.78	0.00	0.00	13.50	2.66	0.70	0.15
10.95	0.79	0.00	0.01	13.55	2.67	0.70	0.15
11.00	0.80	0.00	0.01	13.60	2.68	0.71	0.14
11.05	0.82	0.00	0.01	13.65	2.68	0.71	0.14
11.10	0.83	0.00	0.01	13.70	2.69	0.72	0.13
11.15	0.85	0.01	0.02	13.75	2.70	0.72	0.13
11.20	0.87	0.01	0.02	13.80	2.71	0.73	0.12
11.25	0.89	0.01	0.02	13.85	2.72	0.73	0.12
11.30	0.91	0.01	0.03	13.90	2.72	0.74	0.12
11.35	0.93	0.01	0.03	13.95	2.73	0.74	0.12
11.40	0.95	0.02	0.04	14.00	2.74	0.75	0.11
11.45	0.97	0.02	0.04	14.05	2.75	0.75	0.11
11.50	0.99	0.02	0.05	14.10	2.75	0.76	0.11
11.55	1.02	0.03	0.06	14.15	2.76	0.76	0.11
11.60	1.06	0.03	0.07	14.20	2.77	0.76	0.11
11.65	1.09	0.04	0.08	14.25	2.77	0.77	0.11
11.70	1.13	0.05	0.10	14.30	2.78	0.77	0.10
11.75	1.18	0.06	0.13	14.35	2.79	0.78	0.10
11.80	1.23	0.07	0.15	14.40	2.79	0.78	0.10
11.85	1.29	0.09	0.18	14.45	2.80	0.78	0.10
11.90	1.36	0.10	0.23	14.50	2.81	0.79	0.10
11.95	1.48	0.14	0.29	14.55	2.81	0.79	0.10
12.00	1.60	0.18	0.39	14.60	2.82	0.80	0.09
12.05	1.79	0.26	0.54	14.65	2.82	0.80	0.09
12.10	1.99	0.34	0.77	14.70	2.83	0.80	0.09
12.15	2.06	0.38	1.08	14.75	2.84	0.81	0.09
12.20	2.12	0.41	**1.30**	14.80	2.84	0.81	0.09
12.25	2.17	0.43	1.30	14.85	2.85	0.81	0.09
12.30	2.22	0.46	1.14	14.90	2.85	0.82	0.08
12.35	2.26	0.48	0.95	14.95	2.86	0.82	0.08
12.40	2.29	0.50	0.80	15.00	2.86	0.82	0.08
12.45	2.33	0.51	0.68	15.05	2.87	0.82	0.08
12.50	2.36	0.53	0.59	15.10	2.87	0.83	0.08
12.55	2.38	0.54	0.53	15.15	2.87	0.83	0.07
12.60	2.40	0.55	0.48	15.20	2.88	0.83	0.07
12.65	2.42	0.57	0.42	15.25	2.88	0.84	0.07
12.70	2.44	0.58	0.37	15.30	2.89	0.84	0.07
12.75	2.46	0.59	0.33	15.35	2.89	0.84	0.07
12.80	2.48	0.60	0.31	15.40	2.90	0.84	0.07
12.85	2.50	0.61	0.29	15.45	2.90	0.85	0.07
12.90	2.52	0.62	0.27	15.50	2.91	0.85	0.07
12.95	2.53	0.63	0.26	15.55	2.91	0.85	0.07

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.85	0.07	18.20	3.10	0.97	0.04
15.65	2.92	0.86	0.07	18.25	3.10	0.97	0.04
15.70	2.92	0.86	0.07	18.30	3.10	0.97	0.04
15.75	2.93	0.86	0.07	18.35	3.10	0.97	0.04
15.80	2.93	0.87	0.07	18.40	3.11	0.98	0.04
15.85	2.94	0.87	0.07	18.45	3.11	0.98	0.04
15.90	2.94	0.87	0.06	18.50	3.11	0.98	0.04
15.95	2.94	0.87	0.06	18.55	3.11	0.98	0.04
16.00	2.95	0.88	0.06	18.60	3.12	0.98	0.04
16.05	2.95	0.88	0.06	18.65	3.12	0.98	0.04
16.10	2.96	0.88	0.06	18.70	3.12	0.99	0.04
16.15	2.96	0.88	0.06	18.75	3.12	0.99	0.04
16.20	2.96	0.89	0.06	18.80	3.13	0.99	0.04
16.25	2.97	0.89	0.06	18.85	3.13	0.99	0.04
16.30	2.97	0.89	0.06	18.90	3.13	0.99	0.04
16.35	2.98	0.89	0.06	18.95	3.13	0.99	0.04
16.40	2.98	0.90	0.06	19.00	3.14	1.00	0.04
16.45	2.98	0.90	0.06	19.05	3.14	1.00	0.04
16.50	2.99	0.90	0.06	19.10	3.14	1.00	0.04
16.55	2.99	0.90	0.06	19.15	3.14	1.00	0.04
16.60	3.00	0.91	0.06	19.20	3.15	1.00	0.04
16.65	3.00	0.91	0.06	19.25	3.15	1.00	0.04
16.70	3.00	0.91	0.06	19.30	3.15	1.01	0.04
16.75	3.01	0.91	0.06	19.35	3.15	1.01	0.04
16.80	3.01	0.91	0.06	19.40	3.16	1.01	0.04
16.85	3.01	0.92	0.06	19.45	3.16	1.01	0.04
16.90	3.02	0.92	0.06	19.50	3.16	1.01	0.04
16.95	3.02	0.92	0.06	19.55	3.16	1.01	0.04
17.00	3.02	0.92	0.05	19.60	3.17	1.02	0.04
17.05	3.03	0.93	0.05	19.65	3.17	1.02	0.04
17.10	3.03	0.93	0.05	19.70	3.17	1.02	0.04
17.15	3.03	0.93	0.05	19.75	3.17	1.02	0.04
17.20	3.04	0.93	0.05	19.80	3.18	1.02	0.04
17.25	3.04	0.93	0.05	19.85	3.18	1.02	0.04
17.30	3.04	0.94	0.05	19.90	3.18	1.03	0.04
17.35	3.05	0.94	0.05	19.95	3.18	1.03	0.04
17.40	3.05	0.94	0.05	20.00	3.19	1.03	0.04
17.45	3.05	0.94	0.05	20.05	3.19	1.03	0.04
17.50	3.06	0.94	0.05	20.10	3.19	1.03	0.04
17.55	3.06	0.95	0.05	20.15	3.19	1.03	0.04
17.60	3.06	0.95	0.05	20.20	3.20	1.03	0.04
17.65	3.06	0.95	0.05	20.25	3.20	1.04	0.04
17.70	3.07	0.95	0.05	20.30	3.20	1.04	0.04
17.75	3.07	0.95	0.05	20.35	3.20	1.04	0.04
17.80	3.07	0.96	0.05	20.40	3.20	1.04	0.04
17.85	3.08	0.96	0.05	20.45	3.21	1.04	0.04
17.90	3.08	0.96	0.05	20.50	3.21	1.04	0.04
17.95	3.08	0.96	0.05	20.55	3.21	1.05	0.04
18.00	3.08	0.96	0.04	20.60	3.21	1.05	0.04
18.05	3.09	0.96	0.04	20.65	3.22	1.05	0.04
18.10	3.09	0.97	0.04	20.70	3.22	1.05	0.04
18.15	3.09	0.97	0.04	20.75	3.22	1.05	0.04

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	1.05	0.04	23.40	3.33	1.12	0.03
20.85	3.23	1.05	0.04	23.45	3.33	1.12	0.03
20.90	3.23	1.06	0.04	23.50	3.33	1.13	0.03
20.95	3.23	1.06	0.04	23.55	3.33	1.13	0.03
21.00	3.23	1.06	0.04	23.60	3.34	1.13	0.03
21.05	3.23	1.06	0.04	23.65	3.34	1.13	0.03
21.10	3.24	1.06	0.04	23.70	3.34	1.13	0.03
21.15	3.24	1.06	0.04	23.75	3.34	1.13	0.03
21.20	3.24	1.06	0.04	23.80	3.34	1.13	0.03
21.25	3.24	1.07	0.04	23.85	3.34	1.13	0.03
21.30	3.24	1.07	0.04	23.90	3.35	1.13	0.03
21.35	3.25	1.07	0.04	23.95	3.35	1.14	0.03
21.40	3.25	1.07	0.04	24.00	**3.35**	**1.14**	0.03
21.45	3.25	1.07	0.04	24.05	3.35	1.14	0.03
21.50	3.25	1.07	0.03	24.10	3.35	1.14	0.03
21.55	3.26	1.07	0.03	24.15	3.35	1.14	0.02
21.60	3.26	1.08	0.03	24.20	3.35	1.14	0.01
21.65	3.26	1.08	0.03	24.25	3.35	1.14	0.01
21.70	3.26	1.08	0.03	24.30	3.35	1.14	0.00
21.75	3.26	1.08	0.03	24.35	3.35	1.14	0.00
21.80	3.27	1.08	0.03	24.40	3.35	1.14	0.00
21.85	3.27	1.08	0.03	24.45	3.35	1.14	0.00
21.90	3.27	1.08	0.03	24.50	3.35	1.14	0.00
21.95	3.27	1.09	0.03	24.55	3.35	1.14	0.00
22.00	3.27	1.09	0.03	24.60	3.35	1.14	0.00
22.05	3.28	1.09	0.03	24.65	3.35	1.14	0.00
22.10	3.28	1.09	0.03	24.70	3.35	1.14	0.00
22.15	3.28	1.09	0.03	24.75	3.35	1.14	0.00
22.20	3.28	1.09	0.03	24.80	3.35	1.14	0.00
22.25	3.28	1.09	0.03	24.85	3.35	1.14	0.00
22.30	3.29	1.09	0.03	24.90	3.35	1.14	0.00
22.35	3.29	1.10	0.03	24.95	3.35	1.14	0.00
22.40	3.29	1.10	0.03	25.00	3.35	1.14	0.00
22.45	3.29	1.10	0.03	25.05	3.35	1.14	0.00
22.50	3.29	1.10	0.03	25.10	3.35	1.14	0.00
22.55	3.30	1.10	0.03	25.15	3.35	1.14	0.00
22.60	3.30	1.10	0.03	25.20	3.35	1.14	0.00
22.65	3.30	1.10	0.03	25.25	3.35	1.14	0.00
22.70	3.30	1.11	0.03	25.30	3.35	1.14	0.00
22.75	3.30	1.11	0.03	25.35	3.35	1.14	0.00
22.80	3.31	1.11	0.03	25.40	3.35	1.14	0.00
22.85	3.31	1.11	0.03	25.45	3.35	1.14	0.00
22.90	3.31	1.11	0.03	25.50	3.35	1.14	0.00
22.95	3.31	1.11	0.03	25.55	3.35	1.14	0.00
23.00	3.31	1.11	0.03	25.60	3.35	1.14	0.00
23.05	3.32	1.11	0.03	25.65	3.35	1.14	0.00
23.10	3.32	1.12	0.03	25.70	3.35	1.14	0.00
23.15	3.32	1.12	0.03	25.75	3.35	1.14	0.00
23.20	3.32	1.12	0.03	25.80	3.35	1.14	0.00
23.25	3.32	1.12	0.03	25.85	3.35	1.14	0.00
23.30	3.32	1.12	0.03	25.90	3.35	1.14	0.00
23.35	3.33	1.12	0.03	25.95	3.35	1.14	0.00

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	1.14	0.00	28.60	3.35	1.14	0.00
26.05	3.35	1.14	0.00	28.65	3.35	1.14	0.00
26.10	3.35	1.14	0.00	28.70	3.35	1.14	0.00
26.15	3.35	1.14	0.00	28.75	3.35	1.14	0.00
26.20	3.35	1.14	0.00	28.80	3.35	1.14	0.00
26.25	3.35	1.14	0.00	28.85	3.35	1.14	0.00
26.30	3.35	1.14	0.00	28.90	3.35	1.14	0.00
26.35	3.35	1.14	0.00	28.95	3.35	1.14	0.00
26.40	3.35	1.14	0.00	29.00	3.35	1.14	0.00
26.45	3.35	1.14	0.00	29.05	3.35	1.14	0.00
26.50	3.35	1.14	0.00	29.10	3.35	1.14	0.00
26.55	3.35	1.14	0.00	29.15	3.35	1.14	0.00
26.60	3.35	1.14	0.00	29.20	3.35	1.14	0.00
26.65	3.35	1.14	0.00	29.25	3.35	1.14	0.00
26.70	3.35	1.14	0.00	29.30	3.35	1.14	0.00
26.75	3.35	1.14	0.00	29.35	3.35	1.14	0.00
26.80	3.35	1.14	0.00	29.40	3.35	1.14	0.00
26.85	3.35	1.14	0.00	29.45	3.35	1.14	0.00
26.90	3.35	1.14	0.00	29.50	3.35	1.14	0.00
26.95	3.35	1.14	0.00	29.55	3.35	1.14	0.00
27.00	3.35	1.14	0.00	29.60	3.35	1.14	0.00
27.05	3.35	1.14	0.00	29.65	3.35	1.14	0.00
27.10	3.35	1.14	0.00	29.70	3.35	1.14	0.00
27.15	3.35	1.14	0.00	29.75	3.35	1.14	0.00
27.20	3.35	1.14	0.00	29.80	3.35	1.14	0.00
27.25	3.35	1.14	0.00	29.85	3.35	1.14	0.00
27.30	3.35	1.14	0.00	29.90	3.35	1.14	0.00
27.35	3.35	1.14	0.00	29.95	3.35	1.14	0.00
27.40	3.35	1.14	0.00	30.00	3.35	1.14	0.00
27.45	3.35	1.14	0.00	30.05	3.35	1.14	0.00
27.50	3.35	1.14	0.00	30.10	3.35	1.14	0.00
27.55	3.35	1.14	0.00	30.15	3.35	1.14	0.00
27.60	3.35	1.14	0.00	30.20	3.35	1.14	0.00
27.65	3.35	1.14	0.00	30.25	3.35	1.14	0.00
27.70	3.35	1.14	0.00	30.30	3.35	1.14	0.00
27.75	3.35	1.14	0.00	30.35	3.35	1.14	0.00
27.80	3.35	1.14	0.00	30.40	3.35	1.14	0.00
27.85	3.35	1.14	0.00	30.45	3.35	1.14	0.00
27.90	3.35	1.14	0.00	30.50	3.35	1.14	0.00
27.95	3.35	1.14	0.00	30.55	3.35	1.14	0.00
28.00	3.35	1.14	0.00	30.60	3.35	1.14	0.00
28.05	3.35	1.14	0.00	30.65	3.35	1.14	0.00
28.10	3.35	1.14	0.00	30.70	3.35	1.14	0.00
28.15	3.35	1.14	0.00	30.75	3.35	1.14	0.00
28.20	3.35	1.14	0.00	30.80	3.35	1.14	0.00
28.25	3.35	1.14	0.00	30.85	3.35	1.14	0.00
28.30	3.35	1.14	0.00	30.90	3.35	1.14	0.00
28.35	3.35	1.14	0.00	30.95	3.35	1.14	0.00
28.40	3.35	1.14	0.00	31.00	3.35	1.14	0.00
28.45	3.35	1.14	0.00	31.05	3.35	1.14	0.00
28.50	3.35	1.14	0.00	31.10	3.35	1.14	0.00
28.55	3.35	1.14	0.00	31.15	3.35	1.14	0.00

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	1.14	0.00	33.80	3.35	1.14	0.00
31.25	3.35	1.14	0.00	33.85	3.35	1.14	0.00
31.30	3.35	1.14	0.00	33.90	3.35	1.14	0.00
31.35	3.35	1.14	0.00	33.95	3.35	1.14	0.00
31.40	3.35	1.14	0.00	34.00	3.35	1.14	0.00
31.45	3.35	1.14	0.00	34.05	3.35	1.14	0.00
31.50	3.35	1.14	0.00	34.10	3.35	1.14	0.00
31.55	3.35	1.14	0.00	34.15	3.35	1.14	0.00
31.60	3.35	1.14	0.00	34.20	3.35	1.14	0.00
31.65	3.35	1.14	0.00	34.25	3.35	1.14	0.00
31.70	3.35	1.14	0.00	34.30	3.35	1.14	0.00
31.75	3.35	1.14	0.00	34.35	3.35	1.14	0.00
31.80	3.35	1.14	0.00	34.40	3.35	1.14	0.00
31.85	3.35	1.14	0.00	34.45	3.35	1.14	0.00
31.90	3.35	1.14	0.00	34.50	3.35	1.14	0.00
31.95	3.35	1.14	0.00	34.55	3.35	1.14	0.00
32.00	3.35	1.14	0.00	34.60	3.35	1.14	0.00
32.05	3.35	1.14	0.00	34.65	3.35	1.14	0.00
32.10	3.35	1.14	0.00	34.70	3.35	1.14	0.00
32.15	3.35	1.14	0.00	34.75	3.35	1.14	0.00
32.20	3.35	1.14	0.00	34.80	3.35	1.14	0.00
32.25	3.35	1.14	0.00	34.85	3.35	1.14	0.00
32.30	3.35	1.14	0.00	34.90	3.35	1.14	0.00
32.35	3.35	1.14	0.00	34.95	3.35	1.14	0.00
32.40	3.35	1.14	0.00	35.00	3.35	1.14	0.00
32.45	3.35	1.14	0.00	35.05	3.35	1.14	0.00
32.50	3.35	1.14	0.00	35.10	3.35	1.14	0.00
32.55	3.35	1.14	0.00	35.15	3.35	1.14	0.00
32.60	3.35	1.14	0.00	35.20	3.35	1.14	0.00
32.65	3.35	1.14	0.00	35.25	3.35	1.14	0.00
32.70	3.35	1.14	0.00	35.30	3.35	1.14	0.00
32.75	3.35	1.14	0.00	35.35	3.35	1.14	0.00
32.80	3.35	1.14	0.00	35.40	3.35	1.14	0.00
32.85	3.35	1.14	0.00	35.45	3.35	1.14	0.00
32.90	3.35	1.14	0.00	35.50	3.35	1.14	0.00
32.95	3.35	1.14	0.00	35.55	3.35	1.14	0.00
33.00	3.35	1.14	0.00	35.60	3.35	1.14	0.00
33.05	3.35	1.14	0.00	35.65	3.35	1.14	0.00
33.10	3.35	1.14	0.00	35.70	3.35	1.14	0.00
33.15	3.35	1.14	0.00	35.75	3.35	1.14	0.00
33.20	3.35	1.14	0.00	35.80	3.35	1.14	0.00
33.25	3.35	1.14	0.00	35.85	3.35	1.14	0.00
33.30	3.35	1.14	0.00	35.90	3.35	1.14	0.00
33.35	3.35	1.14	0.00	35.95	3.35	1.14	0.00
33.40	3.35	1.14	0.00	36.00	3.35	1.14	0.00
33.45	3.35	1.14	0.00	36.05	3.35	1.14	0.00
33.50	3.35	1.14	0.00	36.10	3.35	1.14	0.00
33.55	3.35	1.14	0.00	36.15	3.35	1.14	0.00
33.60	3.35	1.14	0.00	36.20	3.35	1.14	0.00
33.65	3.35	1.14	0.00	36.25	3.35	1.14	0.00
33.70	3.35	1.14	0.00	36.30	3.35	1.14	0.00
33.75	3.35	1.14	0.00	36.35	3.35	1.14	0.00

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	1.14	0.00
36.45	3.35	1.14	0.00
36.50	3.35	1.14	0.00
36.55	3.35	1.14	0.00
36.60	3.35	1.14	0.00
36.65	3.35	1.14	0.00
36.70	3.35	1.14	0.00
36.75	3.35	1.14	0.00
36.80	3.35	1.14	0.00
36.85	3.35	1.14	0.00
36.90	3.35	1.14	0.00
36.95	3.35	1.14	0.00
37.00	3.35	1.14	0.00
37.05	3.35	1.14	0.00
37.10	3.35	1.14	0.00
37.15	3.35	1.14	0.00
37.20	3.35	1.14	0.00
37.25	3.35	1.14	0.00
37.30	3.35	1.14	0.00
37.35	3.35	1.14	0.00
37.40	3.35	1.14	0.00
37.45	3.35	1.14	0.00
37.50	3.35	1.14	0.00
37.55	3.35	1.14	0.00
37.60	3.35	1.14	0.00
37.65	3.35	1.14	0.00
37.70	3.35	1.14	0.00
37.75	3.35	1.14	0.00
37.80	3.35	1.14	0.00
37.85	3.35	1.14	0.00
37.90	3.35	1.14	0.00
37.95	3.35	1.14	0.00
38.00	3.35	1.14	0.00
38.05	3.35	1.14	0.00
38.10	3.35	1.14	0.00
38.15	3.35	1.14	0.00
38.20	3.35	1.14	0.00
38.25	3.35	1.14	0.00
38.30	3.35	1.14	0.00
38.35	3.35	1.14	0.00
38.40	3.35	1.14	0.00
38.45	3.35	1.14	0.00
38.50	3.35	1.14	0.00
38.55	3.35	1.14	0.00
38.60	3.35	1.14	0.00
38.65	3.35	1.14	0.00
38.70	3.35	1.14	0.00
38.75	3.35	1.14	0.00
38.80	3.35	1.14	0.00
38.85	3.35	1.14	0.00
38.90	3.35	1.14	0.00
38.95	3.35	1.14	0.00
39.00	3.35	1.14	0.00
39.05	3.35	1.14	0.00
39.10	3.35	1.14	0.00
39.15	3.35	1.14	0.00
39.20	3.35	1.14	0.00
39.25	3.35	1.14	0.00
39.30	3.35	1.14	0.00
39.35	3.35	1.14	0.00
39.40	3.35	1.14	0.00
39.45	3.35	1.14	0.00
39.50	3.35	1.14	0.00
39.55	3.35	1.14	0.00
39.60	3.35	1.14	0.00
39.65	3.35	1.14	0.00
39.70	3.35	1.14	0.00
39.75	3.35	1.14	0.00
39.80	3.35	1.14	0.00
39.85	3.35	1.14	0.00
39.90	3.35	1.14	0.00
39.95	3.35	1.14	0.00
40.00	3.35	1.14	0.00

Summary for Subcatchment UPDA-6: PDA-6 (undetained)

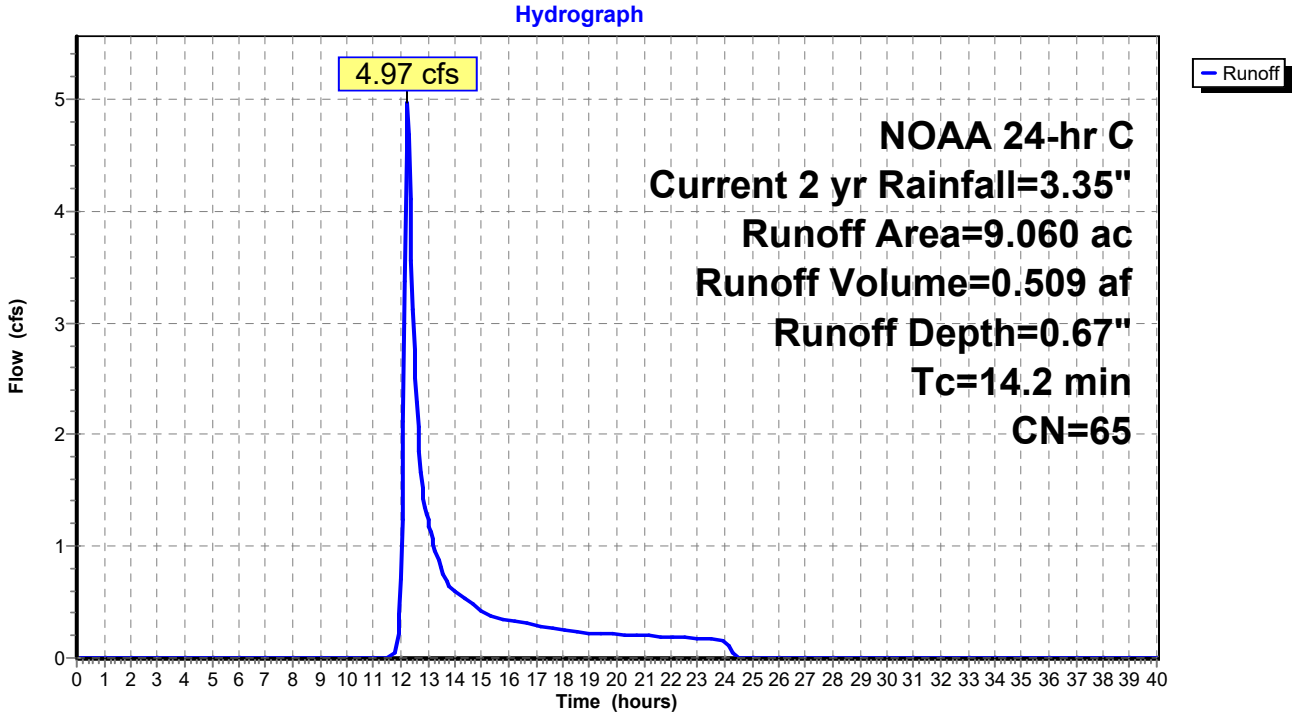
Runoff = 4.97 cfs @ 12.26 hrs, Volume= 0.509 af, Depth= 0.67"
Routed to Link PDA-6ON : Proposed Onsite Drainage Area #6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 2 yr Rainfall=3.35"

Area (ac)	CN	Description
2.520	74	>75% Grass cover, Good, HSG C
3.924	55	Woods, Good, HSG B
2.289	70	Woods, Good, HSG C
0.327	77	Woods, Good, HSG D
9.060	65	Weighted Average
9.060		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.2					**Direct Entry,**

Subcatchment UPDA-6: PDA-6 (undetained)



Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.10	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.10	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.11	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.11	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.11	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.11	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.11	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.12	0.00	0.00
0.40	0.01	0.00	0.00	3.00	0.12	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.12	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.12	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.12	0.00	0.00
0.60	0.02	0.00	0.00	3.20	0.13	0.00	0.00
0.65	0.02	0.00	0.00	3.25	0.13	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.13	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.13	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.14	0.00	0.00
0.85	0.03	0.00	0.00	3.45	0.14	0.00	0.00
0.90	0.03	0.00	0.00	3.50	0.14	0.00	0.00
0.95	0.03	0.00	0.00	3.55	0.14	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.15	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.15	0.00	0.00
1.10	0.04	0.00	0.00	3.70	0.15	0.00	0.00
1.15	0.04	0.00	0.00	3.75	0.15	0.00	0.00
1.20	0.04	0.00	0.00	3.80	0.15	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.16	0.00	0.00
1.30	0.05	0.00	0.00	3.90	0.16	0.00	0.00
1.35	0.05	0.00	0.00	3.95	0.16	0.00	0.00
1.40	0.05	0.00	0.00	4.00	0.16	0.00	0.00
1.45	0.05	0.00	0.00	4.05	0.17	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.17	0.00	0.00
1.55	0.06	0.00	0.00	4.15	0.17	0.00	0.00
1.60	0.06	0.00	0.00	4.20	0.17	0.00	0.00
1.65	0.06	0.00	0.00	4.25	0.18	0.00	0.00
1.70	0.06	0.00	0.00	4.30	0.18	0.00	0.00
1.75	0.07	0.00	0.00	4.35	0.18	0.00	0.00
1.80	0.07	0.00	0.00	4.40	0.18	0.00	0.00
1.85	0.07	0.00	0.00	4.45	0.19	0.00	0.00
1.90	0.07	0.00	0.00	4.50	0.19	0.00	0.00
1.95	0.07	0.00	0.00	4.55	0.19	0.00	0.00
2.00	0.08	0.00	0.00	4.60	0.19	0.00	0.00
2.05	0.08	0.00	0.00	4.65	0.20	0.00	0.00
2.10	0.08	0.00	0.00	4.70	0.20	0.00	0.00
2.15	0.08	0.00	0.00	4.75	0.20	0.00	0.00
2.20	0.08	0.00	0.00	4.80	0.20	0.00	0.00
2.25	0.09	0.00	0.00	4.85	0.21	0.00	0.00
2.30	0.09	0.00	0.00	4.90	0.21	0.00	0.00
2.35	0.09	0.00	0.00	4.95	0.21	0.00	0.00
2.40	0.09	0.00	0.00	5.00	0.21	0.00	0.00
2.45	0.09	0.00	0.00	5.05	0.22	0.00	0.00
2.50	0.10	0.00	0.00	5.10	0.22	0.00	0.00
2.55	0.10	0.00	0.00	5.15	0.22	0.00	0.00

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.22	0.00	0.00	7.80	0.39	0.00	0.00
5.25	0.23	0.00	0.00	7.85	0.39	0.00	0.00
5.30	0.23	0.00	0.00	7.90	0.39	0.00	0.00
5.35	0.23	0.00	0.00	7.95	0.40	0.00	0.00
5.40	0.23	0.00	0.00	8.00	0.40	0.00	0.00
5.45	0.24	0.00	0.00	8.05	0.41	0.00	0.00
5.50	0.24	0.00	0.00	8.10	0.41	0.00	0.00
5.55	0.24	0.00	0.00	8.15	0.41	0.00	0.00
5.60	0.24	0.00	0.00	8.20	0.42	0.00	0.00
5.65	0.25	0.00	0.00	8.25	0.42	0.00	0.00
5.70	0.25	0.00	0.00	8.30	0.43	0.00	0.00
5.75	0.25	0.00	0.00	8.35	0.43	0.00	0.00
5.80	0.25	0.00	0.00	8.40	0.43	0.00	0.00
5.85	0.26	0.00	0.00	8.45	0.44	0.00	0.00
5.90	0.26	0.00	0.00	8.50	0.44	0.00	0.00
5.95	0.26	0.00	0.00	8.55	0.45	0.00	0.00
6.00	0.27	0.00	0.00	8.60	0.45	0.00	0.00
6.05	0.27	0.00	0.00	8.65	0.46	0.00	0.00
6.10	0.27	0.00	0.00	8.70	0.46	0.00	0.00
6.15	0.27	0.00	0.00	8.75	0.47	0.00	0.00
6.20	0.28	0.00	0.00	8.80	0.47	0.00	0.00
6.25	0.28	0.00	0.00	8.85	0.48	0.00	0.00
6.30	0.28	0.00	0.00	8.90	0.48	0.00	0.00
6.35	0.29	0.00	0.00	8.95	0.48	0.00	0.00
6.40	0.29	0.00	0.00	9.00	0.49	0.00	0.00
6.45	0.29	0.00	0.00	9.05	0.49	0.00	0.00
6.50	0.29	0.00	0.00	9.10	0.50	0.00	0.00
6.55	0.30	0.00	0.00	9.15	0.50	0.00	0.00
6.60	0.30	0.00	0.00	9.20	0.51	0.00	0.00
6.65	0.30	0.00	0.00	9.25	0.51	0.00	0.00
6.70	0.31	0.00	0.00	9.30	0.52	0.00	0.00
6.75	0.31	0.00	0.00	9.35	0.53	0.00	0.00
6.80	0.31	0.00	0.00	9.40	0.53	0.00	0.00
6.85	0.32	0.00	0.00	9.45	0.54	0.00	0.00
6.90	0.32	0.00	0.00	9.50	0.54	0.00	0.00
6.95	0.32	0.00	0.00	9.55	0.55	0.00	0.00
7.00	0.33	0.00	0.00	9.60	0.56	0.00	0.00
7.05	0.33	0.00	0.00	9.65	0.56	0.00	0.00
7.10	0.33	0.00	0.00	9.70	0.57	0.00	0.00
7.15	0.34	0.00	0.00	9.75	0.58	0.00	0.00
7.20	0.34	0.00	0.00	9.80	0.58	0.00	0.00
7.25	0.34	0.00	0.00	9.85	0.59	0.00	0.00
7.30	0.35	0.00	0.00	9.90	0.60	0.00	0.00
7.35	0.35	0.00	0.00	9.95	0.60	0.00	0.00
7.40	0.35	0.00	0.00	10.00	0.61	0.00	0.00
7.45	0.36	0.00	0.00	10.05	0.62	0.00	0.00
7.50	0.36	0.00	0.00	10.10	0.63	0.00	0.00
7.55	0.37	0.00	0.00	10.15	0.63	0.00	0.00
7.60	0.37	0.00	0.00	10.20	0.64	0.00	0.00
7.65	0.37	0.00	0.00	10.25	0.65	0.00	0.00
7.70	0.38	0.00	0.00	10.30	0.66	0.00	0.00
7.75	0.38	0.00	0.00	10.35	0.67	0.00	0.00

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.67	0.00	0.00	13.00	2.55	0.31	1.23
10.45	0.68	0.00	0.00	13.05	2.56	0.32	1.18
10.50	0.69	0.00	0.00	13.10	2.57	0.33	1.12
10.55	0.70	0.00	0.00	13.15	2.58	0.33	1.07
10.60	0.71	0.00	0.00	13.20	2.60	0.33	1.02
10.65	0.72	0.00	0.00	13.25	2.61	0.34	0.97
10.70	0.73	0.00	0.00	13.30	2.62	0.34	0.93
10.75	0.74	0.00	0.00	13.35	2.63	0.35	0.90
10.80	0.75	0.00	0.00	13.40	2.64	0.35	0.86
10.85	0.77	0.00	0.00	13.45	2.65	0.36	0.83
10.90	0.78	0.00	0.00	13.50	2.66	0.36	0.80
10.95	0.79	0.00	0.00	13.55	2.67	0.36	0.77
11.00	0.80	0.00	0.00	13.60	2.68	0.37	0.74
11.05	0.82	0.00	0.00	13.65	2.68	0.37	0.70
11.10	0.83	0.00	0.00	13.70	2.69	0.37	0.68
11.15	0.85	0.00	0.00	13.75	2.70	0.38	0.65
11.20	0.87	0.00	0.00	13.80	2.71	0.38	0.63
11.25	0.89	0.00	0.00	13.85	2.72	0.38	0.62
11.30	0.91	0.00	0.00	13.90	2.72	0.39	0.61
11.35	0.93	0.00	0.00	13.95	2.73	0.39	0.60
11.40	0.95	0.00	0.00	14.00	2.74	0.39	0.59
11.45	0.97	0.00	0.00	14.05	2.75	0.40	0.58
11.50	0.99	0.00	0.00	14.10	2.75	0.40	0.58
11.55	1.02	0.00	0.00	14.15	2.76	0.40	0.57
11.60	1.06	0.00	0.00	14.20	2.77	0.40	0.56
11.65	1.09	0.00	0.00	14.25	2.77	0.41	0.55
11.70	1.13	0.00	0.00	14.30	2.78	0.41	0.54
11.75	1.18	0.00	0.01	14.35	2.79	0.41	0.54
11.80	1.23	0.00	0.04	14.40	2.79	0.42	0.53
11.85	1.29	0.01	0.10	14.45	2.80	0.42	0.52
11.90	1.36	0.01	0.21	14.50	2.81	0.42	0.51
11.95	1.48	0.03	0.40	14.55	2.81	0.42	0.50
12.00	1.60	0.05	0.71	14.60	2.82	0.43	0.49
12.05	1.79	0.08	1.23	14.65	2.82	0.43	0.49
12.10	1.99	0.13	2.11	14.70	2.83	0.43	0.48
12.15	2.06	0.15	3.38	14.75	2.84	0.43	0.47
12.20	2.12	0.17	4.54	14.80	2.84	0.44	0.46
12.25	2.17	0.19	**4.97**	14.85	2.85	0.44	0.45
12.30	2.22	0.20	4.68	14.90	2.85	0.44	0.44
12.35	2.26	0.21	4.10	14.95	2.86	0.44	0.43
12.40	2.29	0.22	3.56	15.00	2.86	0.44	0.42
12.45	2.33	0.24	3.12	15.05	2.87	0.45	0.41
12.50	2.36	0.25	2.76	15.10	2.87	0.45	0.41
12.55	2.38	0.25	2.50	15.15	2.87	0.45	0.40
12.60	2.40	0.26	2.29	15.20	2.88	0.45	0.39
12.65	2.42	0.27	2.07	15.25	2.88	0.45	0.38
12.70	2.44	0.28	1.84	15.30	2.89	0.46	0.38
12.75	2.46	0.28	1.66	15.35	2.89	0.46	0.37
12.80	2.48	0.29	1.53	15.40	2.90	0.46	0.37
12.85	2.50	0.30	1.43	15.45	2.90	0.46	0.37
12.90	2.52	0.30	1.36	15.50	2.91	0.46	0.37
12.95	2.53	0.31	1.29	15.55	2.91	0.47	0.36

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	2.92	0.47	0.36	18.20	3.10	0.55	0.24
15.65	2.92	0.47	0.36	18.25	3.10	0.55	0.23
15.70	2.92	0.47	0.36	18.30	3.10	0.55	0.23
15.75	2.93	0.47	0.35	18.35	3.10	0.55	0.23
15.80	2.93	0.48	0.35	18.40	3.11	0.56	0.23
15.85	2.94	0.48	0.35	18.45	3.11	0.56	0.23
15.90	2.94	0.48	0.35	18.50	3.11	0.56	0.23
15.95	2.94	0.48	0.35	18.55	3.11	0.56	0.23
16.00	2.95	0.48	0.34	18.60	3.12	0.56	0.23
16.05	2.95	0.48	0.34	18.65	3.12	0.56	0.23
16.10	2.96	0.49	0.34	18.70	3.12	0.56	0.23
16.15	2.96	0.49	0.34	18.75	3.12	0.56	0.23
16.20	2.96	0.49	0.33	18.80	3.13	0.57	0.23
16.25	2.97	0.49	0.33	18.85	3.13	0.57	0.23
16.30	2.97	0.49	0.33	18.90	3.13	0.57	0.22
16.35	2.98	0.50	0.33	18.95	3.13	0.57	0.22
16.40	2.98	0.50	0.33	19.00	3.14	0.57	0.22
16.45	2.98	0.50	0.32	19.05	3.14	0.57	0.22
16.50	2.99	0.50	0.32	19.10	3.14	0.57	0.22
16.55	2.99	0.50	0.32	19.15	3.14	0.57	0.22
16.60	3.00	0.50	0.32	19.20	3.15	0.57	0.22
16.65	3.00	0.51	0.31	19.25	3.15	0.58	0.22
16.70	3.00	0.51	0.31	19.30	3.15	0.58	0.22
16.75	3.01	0.51	0.31	19.35	3.15	0.58	0.22
16.80	3.01	0.51	0.31	19.40	3.16	0.58	0.22
16.85	3.01	0.51	0.30	19.45	3.16	0.58	0.22
16.90	3.02	0.51	0.30	19.50	3.16	0.58	0.22
16.95	3.02	0.52	0.30	19.55	3.16	0.58	0.22
17.00	3.02	0.52	0.30	19.60	3.17	0.58	0.22
17.05	3.03	0.52	0.29	19.65	3.17	0.59	0.22
17.10	3.03	0.52	0.29	19.70	3.17	0.59	0.22
17.15	3.03	0.52	0.29	19.75	3.17	0.59	0.22
17.20	3.04	0.52	0.29	19.80	3.18	0.59	0.21
17.25	3.04	0.52	0.28	19.85	3.18	0.59	0.21
17.30	3.04	0.53	0.28	19.90	3.18	0.59	0.21
17.35	3.05	0.53	0.28	19.95	3.18	0.59	0.21
17.40	3.05	0.53	0.28	20.00	3.19	0.59	0.21
17.45	3.05	0.53	0.27	20.05	3.19	0.59	0.21
17.50	3.06	0.53	0.27	20.10	3.19	0.60	0.21
17.55	3.06	0.53	0.27	20.15	3.19	0.60	0.21
17.60	3.06	0.53	0.27	20.20	3.20	0.60	0.21
17.65	3.06	0.54	0.26	20.25	3.20	0.60	0.21
17.70	3.07	0.54	0.26	20.30	3.20	0.60	0.21
17.75	3.07	0.54	0.26	20.35	3.20	0.60	0.21
17.80	3.07	0.54	0.26	20.40	3.20	0.60	0.21
17.85	3.08	0.54	0.25	20.45	3.21	0.60	0.21
17.90	3.08	0.54	0.25	20.50	3.21	0.60	0.21
17.95	3.08	0.54	0.25	20.55	3.21	0.61	0.21
18.00	3.08	0.55	0.25	20.60	3.21	0.61	0.20
18.05	3.09	0.55	0.24	20.65	3.22	0.61	0.20
18.10	3.09	0.55	0.24	20.70	3.22	0.61	0.20
18.15	3.09	0.55	0.24	20.75	3.22	0.61	0.20

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.22	0.61	0.20	23.40	3.33	0.66	0.17
20.85	3.23	0.61	0.20	23.45	3.33	0.66	0.17
20.90	3.23	0.61	0.20	23.50	3.33	0.67	0.17
20.95	3.23	0.61	0.20	23.55	3.33	0.67	0.17
21.00	3.23	0.62	0.20	23.60	3.34	0.67	0.17
21.05	3.23	0.62	0.20	23.65	3.34	0.67	0.17
21.10	3.24	0.62	0.20	23.70	3.34	0.67	0.16
21.15	3.24	0.62	0.20	23.75	3.34	0.67	0.16
21.20	3.24	0.62	0.20	23.80	3.34	0.67	0.16
21.25	3.24	0.62	0.20	23.85	3.34	0.67	0.16
21.30	3.24	0.62	0.20	23.90	3.35	0.67	0.16
21.35	3.25	0.62	0.20	23.95	3.35	0.67	0.16
21.40	3.25	0.62	0.20	24.00	**3.35**	**0.67**	0.16
21.45	3.25	0.63	0.19	24.05	3.35	0.67	0.17
21.50	3.25	0.63	0.19	24.10	3.35	0.67	0.16
21.55	3.26	0.63	0.19	24.15	3.35	0.67	0.13
21.60	3.26	0.63	0.19	24.20	3.35	0.67	0.09
21.65	3.26	0.63	0.19	24.25	3.35	0.67	0.06
21.70	3.26	0.63	0.19	24.30	3.35	0.67	0.03
21.75	3.26	0.63	0.19	24.35	3.35	0.67	0.02
21.80	3.27	0.63	0.19	24.40	3.35	0.67	0.01
21.85	3.27	0.63	0.19	24.45	3.35	0.67	0.01
21.90	3.27	0.63	0.19	24.50	3.35	0.67	0.00
21.95	3.27	0.64	0.19	24.55	3.35	0.67	0.00
22.00	3.27	0.64	0.19	24.60	3.35	0.67	0.00
22.05	3.28	0.64	0.19	24.65	3.35	0.67	0.00
22.10	3.28	0.64	0.19	24.70	3.35	0.67	0.00
22.15	3.28	0.64	0.19	24.75	3.35	0.67	0.00
22.20	3.28	0.64	0.18	24.80	3.35	0.67	0.00
22.25	3.28	0.64	0.18	24.85	3.35	0.67	0.00
22.30	3.29	0.64	0.18	24.90	3.35	0.67	0.00
22.35	3.29	0.64	0.18	24.95	3.35	0.67	0.00
22.40	3.29	0.64	0.18	25.00	3.35	0.67	0.00
22.45	3.29	0.65	0.18	25.05	3.35	0.67	0.00
22.50	3.29	0.65	0.18	25.10	3.35	0.67	0.00
22.55	3.30	0.65	0.18	25.15	3.35	0.67	0.00
22.60	3.30	0.65	0.18	25.20	3.35	0.67	0.00
22.65	3.30	0.65	0.18	25.25	3.35	0.67	0.00
22.70	3.30	0.65	0.18	25.30	3.35	0.67	0.00
22.75	3.30	0.65	0.18	25.35	3.35	0.67	0.00
22.80	3.31	0.65	0.18	25.40	3.35	0.67	0.00
22.85	3.31	0.65	0.18	25.45	3.35	0.67	0.00
22.90	3.31	0.65	0.18	25.50	3.35	0.67	0.00
22.95	3.31	0.66	0.17	25.55	3.35	0.67	0.00
23.00	3.31	0.66	0.17	25.60	3.35	0.67	0.00
23.05	3.32	0.66	0.17	25.65	3.35	0.67	0.00
23.10	3.32	0.66	0.17	25.70	3.35	0.67	0.00
23.15	3.32	0.66	0.17	25.75	3.35	0.67	0.00
23.20	3.32	0.66	0.17	25.80	3.35	0.67	0.00
23.25	3.32	0.66	0.17	25.85	3.35	0.67	0.00
23.30	3.32	0.66	0.17	25.90	3.35	0.67	0.00
23.35	3.33	0.66	0.17	25.95	3.35	0.67	0.00

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.35	0.67	0.00	28.60	3.35	0.67	0.00
26.05	3.35	0.67	0.00	28.65	3.35	0.67	0.00
26.10	3.35	0.67	0.00	28.70	3.35	0.67	0.00
26.15	3.35	0.67	0.00	28.75	3.35	0.67	0.00
26.20	3.35	0.67	0.00	28.80	3.35	0.67	0.00
26.25	3.35	0.67	0.00	28.85	3.35	0.67	0.00
26.30	3.35	0.67	0.00	28.90	3.35	0.67	0.00
26.35	3.35	0.67	0.00	28.95	3.35	0.67	0.00
26.40	3.35	0.67	0.00	29.00	3.35	0.67	0.00
26.45	3.35	0.67	0.00	29.05	3.35	0.67	0.00
26.50	3.35	0.67	0.00	29.10	3.35	0.67	0.00
26.55	3.35	0.67	0.00	29.15	3.35	0.67	0.00
26.60	3.35	0.67	0.00	29.20	3.35	0.67	0.00
26.65	3.35	0.67	0.00	29.25	3.35	0.67	0.00
26.70	3.35	0.67	0.00	29.30	3.35	0.67	0.00
26.75	3.35	0.67	0.00	29.35	3.35	0.67	0.00
26.80	3.35	0.67	0.00	29.40	3.35	0.67	0.00
26.85	3.35	0.67	0.00	29.45	3.35	0.67	0.00
26.90	3.35	0.67	0.00	29.50	3.35	0.67	0.00
26.95	3.35	0.67	0.00	29.55	3.35	0.67	0.00
27.00	3.35	0.67	0.00	29.60	3.35	0.67	0.00
27.05	3.35	0.67	0.00	29.65	3.35	0.67	0.00
27.10	3.35	0.67	0.00	29.70	3.35	0.67	0.00
27.15	3.35	0.67	0.00	29.75	3.35	0.67	0.00
27.20	3.35	0.67	0.00	29.80	3.35	0.67	0.00
27.25	3.35	0.67	0.00	29.85	3.35	0.67	0.00
27.30	3.35	0.67	0.00	29.90	3.35	0.67	0.00
27.35	3.35	0.67	0.00	29.95	3.35	0.67	0.00
27.40	3.35	0.67	0.00	30.00	3.35	0.67	0.00
27.45	3.35	0.67	0.00	30.05	3.35	0.67	0.00
27.50	3.35	0.67	0.00	30.10	3.35	0.67	0.00
27.55	3.35	0.67	0.00	30.15	3.35	0.67	0.00
27.60	3.35	0.67	0.00	30.20	3.35	0.67	0.00
27.65	3.35	0.67	0.00	30.25	3.35	0.67	0.00
27.70	3.35	0.67	0.00	30.30	3.35	0.67	0.00
27.75	3.35	0.67	0.00	30.35	3.35	0.67	0.00
27.80	3.35	0.67	0.00	30.40	3.35	0.67	0.00
27.85	3.35	0.67	0.00	30.45	3.35	0.67	0.00
27.90	3.35	0.67	0.00	30.50	3.35	0.67	0.00
27.95	3.35	0.67	0.00	30.55	3.35	0.67	0.00
28.00	3.35	0.67	0.00	30.60	3.35	0.67	0.00
28.05	3.35	0.67	0.00	30.65	3.35	0.67	0.00
28.10	3.35	0.67	0.00	30.70	3.35	0.67	0.00
28.15	3.35	0.67	0.00	30.75	3.35	0.67	0.00
28.20	3.35	0.67	0.00	30.80	3.35	0.67	0.00
28.25	3.35	0.67	0.00	30.85	3.35	0.67	0.00
28.30	3.35	0.67	0.00	30.90	3.35	0.67	0.00
28.35	3.35	0.67	0.00	30.95	3.35	0.67	0.00
28.40	3.35	0.67	0.00	31.00	3.35	0.67	0.00
28.45	3.35	0.67	0.00	31.05	3.35	0.67	0.00
28.50	3.35	0.67	0.00	31.10	3.35	0.67	0.00
28.55	3.35	0.67	0.00	31.15	3.35	0.67	0.00

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.35	0.67	0.00	33.80	3.35	0.67	0.00
31.25	3.35	0.67	0.00	33.85	3.35	0.67	0.00
31.30	3.35	0.67	0.00	33.90	3.35	0.67	0.00
31.35	3.35	0.67	0.00	33.95	3.35	0.67	0.00
31.40	3.35	0.67	0.00	34.00	3.35	0.67	0.00
31.45	3.35	0.67	0.00	34.05	3.35	0.67	0.00
31.50	3.35	0.67	0.00	34.10	3.35	0.67	0.00
31.55	3.35	0.67	0.00	34.15	3.35	0.67	0.00
31.60	3.35	0.67	0.00	34.20	3.35	0.67	0.00
31.65	3.35	0.67	0.00	34.25	3.35	0.67	0.00
31.70	3.35	0.67	0.00	34.30	3.35	0.67	0.00
31.75	3.35	0.67	0.00	34.35	3.35	0.67	0.00
31.80	3.35	0.67	0.00	34.40	3.35	0.67	0.00
31.85	3.35	0.67	0.00	34.45	3.35	0.67	0.00
31.90	3.35	0.67	0.00	34.50	3.35	0.67	0.00
31.95	3.35	0.67	0.00	34.55	3.35	0.67	0.00
32.00	3.35	0.67	0.00	34.60	3.35	0.67	0.00
32.05	3.35	0.67	0.00	34.65	3.35	0.67	0.00
32.10	3.35	0.67	0.00	34.70	3.35	0.67	0.00
32.15	3.35	0.67	0.00	34.75	3.35	0.67	0.00
32.20	3.35	0.67	0.00	34.80	3.35	0.67	0.00
32.25	3.35	0.67	0.00	34.85	3.35	0.67	0.00
32.30	3.35	0.67	0.00	34.90	3.35	0.67	0.00
32.35	3.35	0.67	0.00	34.95	3.35	0.67	0.00
32.40	3.35	0.67	0.00	35.00	3.35	0.67	0.00
32.45	3.35	0.67	0.00	35.05	3.35	0.67	0.00
32.50	3.35	0.67	0.00	35.10	3.35	0.67	0.00
32.55	3.35	0.67	0.00	35.15	3.35	0.67	0.00
32.60	3.35	0.67	0.00	35.20	3.35	0.67	0.00
32.65	3.35	0.67	0.00	35.25	3.35	0.67	0.00
32.70	3.35	0.67	0.00	35.30	3.35	0.67	0.00
32.75	3.35	0.67	0.00	35.35	3.35	0.67	0.00
32.80	3.35	0.67	0.00	35.40	3.35	0.67	0.00
32.85	3.35	0.67	0.00	35.45	3.35	0.67	0.00
32.90	3.35	0.67	0.00	35.50	3.35	0.67	0.00
32.95	3.35	0.67	0.00	35.55	3.35	0.67	0.00
33.00	3.35	0.67	0.00	35.60	3.35	0.67	0.00
33.05	3.35	0.67	0.00	35.65	3.35	0.67	0.00
33.10	3.35	0.67	0.00	35.70	3.35	0.67	0.00
33.15	3.35	0.67	0.00	35.75	3.35	0.67	0.00
33.20	3.35	0.67	0.00	35.80	3.35	0.67	0.00
33.25	3.35	0.67	0.00	35.85	3.35	0.67	0.00
33.30	3.35	0.67	0.00	35.90	3.35	0.67	0.00
33.35	3.35	0.67	0.00	35.95	3.35	0.67	0.00
33.40	3.35	0.67	0.00	36.00	3.35	0.67	0.00
33.45	3.35	0.67	0.00	36.05	3.35	0.67	0.00
33.50	3.35	0.67	0.00	36.10	3.35	0.67	0.00
33.55	3.35	0.67	0.00	36.15	3.35	0.67	0.00
33.60	3.35	0.67	0.00	36.20	3.35	0.67	0.00
33.65	3.35	0.67	0.00	36.25	3.35	0.67	0.00
33.70	3.35	0.67	0.00	36.30	3.35	0.67	0.00
33.75	3.35	0.67	0.00	36.35	3.35	0.67	0.00

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.35	0.67	0.00
36.45	3.35	0.67	0.00
36.50	3.35	0.67	0.00
36.55	3.35	0.67	0.00
36.60	3.35	0.67	0.00
36.65	3.35	0.67	0.00
36.70	3.35	0.67	0.00
36.75	3.35	0.67	0.00
36.80	3.35	0.67	0.00
36.85	3.35	0.67	0.00
36.90	3.35	0.67	0.00
36.95	3.35	0.67	0.00
37.00	3.35	0.67	0.00
37.05	3.35	0.67	0.00
37.10	3.35	0.67	0.00
37.15	3.35	0.67	0.00
37.20	3.35	0.67	0.00
37.25	3.35	0.67	0.00
37.30	3.35	0.67	0.00
37.35	3.35	0.67	0.00
37.40	3.35	0.67	0.00
37.45	3.35	0.67	0.00
37.50	3.35	0.67	0.00
37.55	3.35	0.67	0.00
37.60	3.35	0.67	0.00
37.65	3.35	0.67	0.00
37.70	3.35	0.67	0.00
37.75	3.35	0.67	0.00
37.80	3.35	0.67	0.00
37.85	3.35	0.67	0.00
37.90	3.35	0.67	0.00
37.95	3.35	0.67	0.00
38.00	3.35	0.67	0.00
38.05	3.35	0.67	0.00
38.10	3.35	0.67	0.00
38.15	3.35	0.67	0.00
38.20	3.35	0.67	0.00
38.25	3.35	0.67	0.00
38.30	3.35	0.67	0.00
38.35	3.35	0.67	0.00
38.40	3.35	0.67	0.00
38.45	3.35	0.67	0.00
38.50	3.35	0.67	0.00
38.55	3.35	0.67	0.00
38.60	3.35	0.67	0.00
38.65	3.35	0.67	0.00
38.70	3.35	0.67	0.00
38.75	3.35	0.67	0.00
38.80	3.35	0.67	0.00
38.85	3.35	0.67	0.00
38.90	3.35	0.67	0.00
38.95	3.35	0.67	0.00
39.00	3.35	0.67	0.00
39.05	3.35	0.67	0.00
39.10	3.35	0.67	0.00
39.15	3.35	0.67	0.00
39.20	3.35	0.67	0.00
39.25	3.35	0.67	0.00
39.30	3.35	0.67	0.00
39.35	3.35	0.67	0.00
39.40	3.35	0.67	0.00
39.45	3.35	0.67	0.00
39.50	3.35	0.67	0.00
39.55	3.35	0.67	0.00
39.60	3.35	0.67	0.00
39.65	3.35	0.67	0.00
39.70	3.35	0.67	0.00
39.75	3.35	0.67	0.00
39.80	3.35	0.67	0.00
39.85	3.35	0.67	0.00
39.90	3.35	0.67	0.00
39.95	3.35	0.67	0.00
40.00	3.35	0.67	0.00

Summary for Pond B-51: Basin #51

Inflow Area = 11.027 ac, 43.68% Impervious, Inflow Depth > 1.51" for Current 2 yr event
Inflow = 7.01 cfs @ 12.21 hrs, Volume= 1.385 af
Outflow = 4.32 cfs @ 13.02 hrs, Volume= 1.365 af, Atten= 38%, Lag= 48.2 min
Primary = 4.32 cfs @ 13.02 hrs, Volume= 1.365 af
Routed to Link PDA-6ON : Proposed Onsite Drainage Area #6

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 184.82' @ 13.02 hrs Surf.Area= 16,548 sf Storage= 13,564 cf

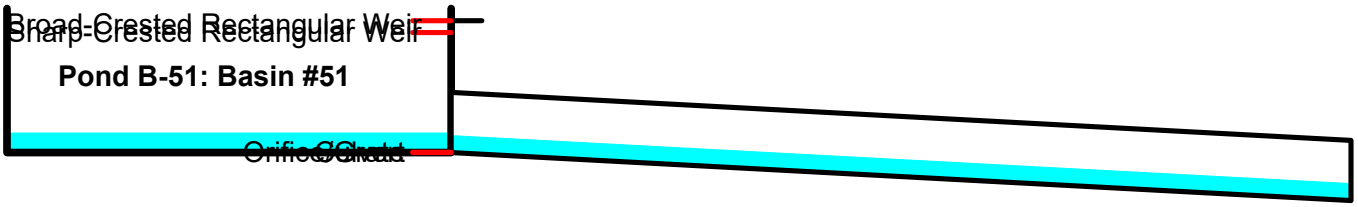
Plug-Flow detention time= 102.6 min calculated for 1.363 af (98% of inflow)
Center-of-Mass det. time= 88.5 min (1,035.2 - 946.7)

Volume	Invert	Avail.Storage	Storage Description
#1	184.00'	99,288 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

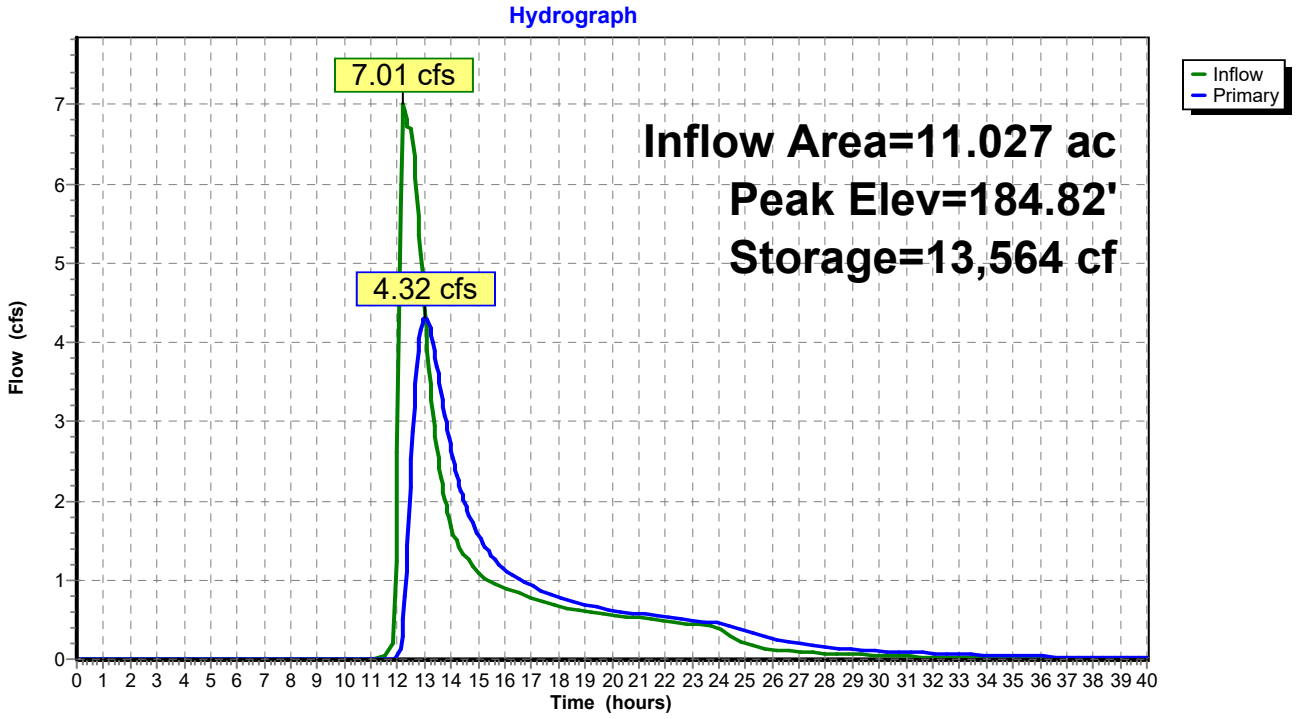
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
184.00	16,548	0	0
185.00	16,548	16,548	16,548
186.00	16,548	16,548	33,096
187.00	16,548	16,548	49,644
188.00	16,548	16,548	66,192
189.00	16,548	16,548	82,740
190.00	16,548	16,548	99,288

Device	Routing	Invert	Outlet Devices
#1	Primary	184.00'	**30.0" Round Culvert** L= 147.0' Ke= 0.500 Inlet / Outlet Invert= 184.00' / 182.00' S= 0.0136 '/' Cc= 0.900 n= 0.013, Flow Area= 4.91 sf
#2	Device 1	184.01'	**27.0" W x 12.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	189.00'	**8.0' long Sharp-Crested Rectangular Weir** 0 End Contraction(s)
#4	Primary	189.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=4.31 cfs @ 13.02 hrs HW=184.82' (Free Discharge)
- **1=Culvert** (Inlet Controls 4.31 cfs @ 3.08 fps)
  - **2=Orifice/Grate** (Passes 4.31 cfs of 5.26 cfs potential flow)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-51: Basin #51



Hydrograph for Pond B-51: Basin #51

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	184.00	0.00
0.10	0.00	0	184.00	0.00
0.20	0.00	0	184.00	0.00
0.30	0.00	0	184.00	0.00
0.40	0.00	0	184.00	0.00
0.50	0.00	0	184.00	0.00
0.60	0.00	0	184.00	0.00
0.70	0.00	0	184.00	0.00
0.80	0.00	0	184.00	0.00
0.90	0.00	0	184.00	0.00
1.00	0.00	0	184.00	0.00
1.10	0.00	0	184.00	0.00
1.20	0.00	0	184.00	0.00
1.30	0.00	0	184.00	0.00
1.40	0.00	0	184.00	0.00
1.50	0.00	0	184.00	0.00
1.60	0.00	0	184.00	0.00
1.70	0.00	0	184.00	0.00
1.80	0.00	0	184.00	0.00
1.90	0.00	0	184.00	0.00
2.00	0.00	0	184.00	0.00
2.10	0.00	0	184.00	0.00
2.20	0.00	0	184.00	0.00
2.30	0.00	0	184.00	0.00
2.40	0.00	0	184.00	0.00
2.50	0.00	0	184.00	0.00
2.60	0.00	0	184.00	0.00
2.70	0.00	0	184.00	0.00
2.80	0.00	0	184.00	0.00
2.90	0.00	0	184.00	0.00
3.00	0.00	0	184.00	0.00
3.10	0.00	0	184.00	0.00
3.20	0.00	0	184.00	0.00
3.30	0.00	0	184.00	0.00
3.40	0.00	0	184.00	0.00
3.50	0.00	0	184.00	0.00
3.60	0.00	0	184.00	0.00
3.70	0.00	0	184.00	0.00
3.80	0.00	0	184.00	0.00
3.90	0.00	0	184.00	0.00
4.00	0.00	0	184.00	0.00
4.10	0.00	0	184.00	0.00
4.20	0.00	0	184.00	0.00
4.30	0.00	0	184.00	0.00
4.40	0.00	0	184.00	0.00
4.50	0.00	0	184.00	0.00
4.60	0.00	0	184.00	0.00
4.70	0.00	0	184.00	0.00
4.80	0.00	0	184.00	0.00
4.90	0.00	0	184.00	0.00
5.00	0.00	0	184.00	0.00
5.10	0.00	0	184.00	0.00

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	0	184.00	0.00
5.30	0.00	0	184.00	0.00
5.40	0.00	0	184.00	0.00
5.50	0.00	0	184.00	0.00
5.60	0.00	0	184.00	0.00
5.70	0.00	0	184.00	0.00
5.80	0.00	0	184.00	0.00
5.90	0.00	0	184.00	0.00
6.00	0.00	0	184.00	0.00
6.10	0.00	0	184.00	0.00
6.20	0.00	0	184.00	0.00
6.30	0.00	0	184.00	0.00
6.40	0.00	0	184.00	0.00
6.50	0.00	0	184.00	0.00
6.60	0.00	0	184.00	0.00
6.70	0.00	0	184.00	0.00
6.80	0.00	0	184.00	0.00
6.90	0.00	0	184.00	0.00
7.00	0.00	0	184.00	0.00
7.10	0.00	0	184.00	0.00
7.20	0.00	0	184.00	0.00
7.30	0.00	0	184.00	0.00
7.40	0.00	0	184.00	0.00
7.50	0.00	0	184.00	0.00
7.60	0.00	0	184.00	0.00
7.70	0.00	0	184.00	0.00
7.80	0.00	0	184.00	0.00
7.90	0.00	0	184.00	0.00
8.00	0.00	0	184.00	0.00
8.10	0.00	0	184.00	0.00
8.20	0.00	0	184.00	0.00
8.30	0.00	0	184.00	0.00
8.40	0.00	0	184.00	0.00
8.50	0.00	0	184.00	0.00
8.60	0.00	0	184.00	0.00
8.70	0.00	0	184.00	0.00
8.80	0.00	0	184.00	0.00
8.90	0.00	0	184.00	0.00
9.00	0.00	0	184.00	0.00
9.10	0.00	0	184.00	0.00
9.20	0.00	0	184.00	0.00
9.30	0.00	0	184.00	0.00
9.40	0.00	0	184.00	0.00
9.50	0.00	0	184.00	0.00
9.60	0.00	0	184.00	0.00
9.70	0.00	0	184.00	0.00
9.80	0.00	0	184.00	0.00
9.90	0.00	0	184.00	0.00
10.00	0.00	0	184.00	0.00
10.10	0.00	0	184.00	0.00
10.20	0.00	0	184.00	0.00
10.30	0.00	0	184.00	0.00

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.00	0	184.00	0.00
10.50	0.00	0	184.00	0.00
10.60	0.00	0	184.00	0.00
10.70	0.00	0	184.00	0.00
10.80	0.00	0	184.00	0.00
10.90	0.00	2	184.00	0.00
11.00	0.01	4	184.00	0.00
11.10	0.01	7	184.00	0.00
11.20	0.01	11	184.00	0.00
11.30	0.02	17	184.00	0.00
11.40	0.03	26	184.00	0.00
11.50	0.04	37	184.00	0.00
11.60	0.05	52	184.00	0.00
11.70	0.08	76	184.00	0.00
11.80	0.11	110	184.01	0.00
11.90	0.42	183	184.01	0.00
12.00	2.61	678	184.04	0.02
12.10	5.78	2,183	184.13	0.13
12.20	**7.00**	4,445	184.27	0.51
12.30	6.81	6,646	184.40	1.10
12.40	6.76	8,554	184.52	1.80
12.50	6.72	10,209	184.62	2.52
12.60	6.35	11,539	184.70	3.19
12.70	5.83	12,488	184.75	3.70
12.80	5.34	13,102	184.79	4.05
12.90	4.86	13,442	184.81	4.25
13.00	4.39	**13,562**	**184.82**	**4.32**
13.10	3.91	13,505	184.82	4.28
13.20	3.47	13,308	184.80	4.17
13.30	3.11	13,020	184.79	4.00
13.40	2.80	12,678	184.77	3.80
13.50	2.54	12,306	184.74	3.60
13.60	2.31	11,920	184.72	3.38
13.70	2.11	11,532	184.70	3.18
13.80	1.94	11,150	184.67	2.98
13.90	1.78	10,779	184.65	2.80
14.00	1.66	10,421	184.63	2.63
14.10	1.56	10,083	184.61	2.46
14.20	1.48	9,769	184.59	2.32
14.30	1.41	9,478	184.57	2.19
14.40	1.36	9,210	184.56	2.07
14.50	1.31	8,963	184.54	1.96
14.60	1.26	8,734	184.53	1.87
14.70	1.22	8,522	184.51	1.79
14.80	1.18	8,324	184.50	1.71
14.90	1.14	8,139	184.49	1.63
15.00	1.10	7,966	184.48	1.56
15.10	1.06	7,803	184.47	1.50
15.20	1.03	7,647	184.46	1.45
15.30	1.00	7,501	184.45	1.40
15.40	0.98	7,363	184.44	1.35
15.50	0.96	7,236	184.44	1.30

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.94	7,117	184.43	1.26
15.70	0.93	7,008	184.42	1.22
15.80	0.92	6,907	184.42	1.19
15.90	0.90	6,812	184.41	1.16
16.00	0.89	6,723	184.41	1.13
16.10	0.88	6,639	184.40	1.10
16.20	0.87	6,560	184.40	1.08
16.30	0.85	6,486	184.39	1.05
16.40	0.84	6,416	184.39	1.03
16.50	0.83	6,349	184.38	1.01
16.60	0.82	6,286	184.38	0.99
16.70	0.81	6,226	184.38	0.97
16.80	0.80	6,168	184.37	0.96
16.90	0.79	6,114	184.37	0.94
17.00	0.78	6,061	184.37	0.92
17.10	0.77	6,011	184.36	0.91
17.20	0.76	5,963	184.36	0.89
17.30	0.75	5,915	184.36	0.88
17.40	0.74	5,869	184.35	0.87
17.50	0.73	5,824	184.35	0.85
17.60	0.72	5,779	184.35	0.84
17.70	0.71	5,734	184.35	0.83
17.80	0.70	5,691	184.34	0.82
17.90	0.69	5,647	184.34	0.81
18.00	0.68	5,605	184.34	0.79
18.10	0.67	5,562	184.34	0.78
18.20	0.66	5,520	184.33	0.77
18.30	0.65	5,479	184.33	0.76
18.40	0.64	5,439	184.33	0.75
18.50	0.63	5,400	184.33	0.74
18.60	0.63	5,362	184.32	0.73
18.70	0.62	5,325	184.32	0.72
18.80	0.61	5,290	184.32	0.71
18.90	0.61	5,256	184.32	0.70
19.00	0.60	5,224	184.32	0.69
19.10	0.60	5,193	184.31	0.68
19.20	0.59	5,163	184.31	0.68
19.30	0.59	5,134	184.31	0.67
19.40	0.58	5,106	184.31	0.66
19.50	0.58	5,079	184.31	0.65
19.60	0.58	5,054	184.31	0.65
19.70	0.57	5,029	184.30	0.64
19.80	0.57	5,005	184.30	0.63
19.90	0.56	4,982	184.30	0.63
20.00	0.56	4,959	184.30	0.62
20.10	0.56	4,937	184.30	0.62
20.20	0.55	4,916	184.30	0.61
20.30	0.55	4,894	184.30	0.61
20.40	0.54	4,873	184.29	0.60
20.50	0.54	4,852	184.29	0.60
20.60	0.54	4,831	184.29	0.59
20.70	0.53	4,811	184.29	0.59

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.53	4,791	184.29	0.58
20.90	0.52	4,771	184.29	0.58
21.00	0.52	4,751	184.29	0.57
21.10	0.52	4,732	184.29	0.57
21.20	0.51	4,712	184.28	0.57
21.30	0.51	4,693	184.28	0.56
21.40	0.51	4,674	184.28	0.56
21.50	0.50	4,656	184.28	0.55
21.60	0.50	4,637	184.28	0.55
21.70	0.49	4,618	184.28	0.55
21.80	0.49	4,600	184.28	0.54
21.90	0.49	4,582	184.28	0.54
22.00	0.48	4,564	184.28	0.53
22.10	0.48	4,546	184.27	0.53
22.20	0.48	4,527	184.27	0.53
22.30	0.47	4,510	184.27	0.52
22.40	0.47	4,492	184.27	0.52
22.50	0.46	4,474	184.27	0.51
22.60	0.46	4,457	184.27	0.51
22.70	0.46	4,439	184.27	0.51
22.80	0.45	4,422	184.27	0.50
22.90	0.45	4,404	184.27	0.50
23.00	0.45	4,387	184.27	0.49
23.10	0.44	4,370	184.26	0.49
23.20	0.44	4,352	184.26	0.49
23.30	0.43	4,335	184.26	0.48
23.40	0.43	4,318	184.26	0.48
23.50	0.43	4,301	184.26	0.47
23.60	0.42	4,284	184.26	0.47
23.70	0.42	4,266	184.26	0.47
23.80	0.42	4,249	184.26	0.46
23.90	0.41	4,232	184.26	0.46
24.00	0.41	4,216	184.25	0.46
24.10	0.39	4,198	184.25	0.45
24.20	0.35	4,171	184.25	0.45
24.30	0.33	4,134	184.25	0.44
24.40	0.30	4,091	184.25	0.43
24.50	0.28	4,043	184.24	0.42
24.60	0.26	3,992	184.24	0.41
24.70	0.24	3,938	184.24	0.40
24.80	0.22	3,881	184.23	0.39
24.90	0.21	3,822	184.23	0.38
25.00	0.20	3,762	184.23	0.36
25.10	0.18	3,702	184.22	0.35
25.20	0.17	3,640	184.22	0.34
25.30	0.17	3,580	184.22	0.33
25.40	0.16	3,520	184.21	0.32
25.50	0.15	3,461	184.21	0.31
25.60	0.14	3,404	184.21	0.30
25.70	0.14	3,348	184.20	0.29
25.80	0.13	3,294	184.20	0.28
25.90	0.13	3,241	184.20	0.27

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.12	3,190	184.19	0.26
26.10	0.12	3,141	184.19	0.26
26.20	0.12	3,093	184.19	0.25
26.30	0.11	3,047	184.18	0.24
26.40	0.11	3,002	184.18	0.23
26.50	0.11	2,959	184.18	0.23
26.60	0.10	2,918	184.18	0.22
26.70	0.10	2,877	184.17	0.21
26.80	0.10	2,837	184.17	0.21
26.90	0.10	2,797	184.17	0.20
27.00	0.10	2,759	184.17	0.20
27.10	0.09	2,722	184.16	0.20
27.20	0.09	2,686	184.16	0.19
27.30	0.09	2,650	184.16	0.19
27.40	0.09	2,616	184.16	0.18
27.50	0.08	2,582	184.16	0.18
27.60	0.08	2,549	184.15	0.17
27.70	0.08	2,517	184.15	0.17
27.80	0.08	2,486	184.15	0.17
27.90	0.08	2,455	184.15	0.16
28.00	0.08	2,425	184.15	0.16
28.10	0.07	2,396	184.14	0.15
28.20	0.07	2,368	184.14	0.15
28.30	0.07	2,340	184.14	0.15
28.40	0.07	2,313	184.14	0.14
28.50	0.07	2,287	184.14	0.14
28.60	0.07	2,261	184.14	0.14
28.70	0.06	2,236	184.14	0.13
28.80	0.06	2,212	184.13	0.13
28.90	0.06	2,188	184.13	0.13
29.00	0.06	2,165	184.13	0.12
29.10	0.06	2,142	184.13	0.12
29.20	0.06	2,120	184.13	0.12
29.30	0.06	2,099	184.13	0.12
29.40	0.06	2,077	184.13	0.11
29.50	0.05	2,057	184.12	0.11
29.60	0.05	2,036	184.12	0.11
29.70	0.05	2,016	184.12	0.11
29.80	0.05	1,997	184.12	0.10
29.90	0.05	1,978	184.12	0.10
30.00	0.05	1,959	184.12	0.10
30.10	0.05	1,940	184.12	0.10
30.20	0.05	1,921	184.12	0.10
30.30	0.04	1,903	184.11	0.10
30.40	0.04	1,884	184.11	0.09
30.50	0.04	1,866	184.11	0.09
30.60	0.04	1,848	184.11	0.09
30.70	0.04	1,830	184.11	0.09
30.80	0.04	1,812	184.11	0.09
30.90	0.04	1,794	184.11	0.09
31.00	0.04	1,776	184.11	0.09
31.10	0.04	1,759	184.11	0.08

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.04	1,742	184.11	0.08
31.30	0.03	1,724	184.10	0.08
31.40	0.03	1,707	184.10	0.08
31.50	0.03	1,690	184.10	0.08
31.60	0.03	1,674	184.10	0.08
31.70	0.03	1,657	184.10	0.08
31.80	0.03	1,641	184.10	0.08
31.90	0.03	1,625	184.10	0.07
32.00	0.03	1,609	184.10	0.07
32.10	0.03	1,593	184.10	0.07
32.20	0.03	1,577	184.10	0.07
32.30	0.03	1,562	184.09	0.07
32.40	0.03	1,547	184.09	0.07
32.50	0.03	1,532	184.09	0.07
32.60	0.02	1,517	184.09	0.07
32.70	0.02	1,502	184.09	0.06
32.80	0.02	1,488	184.09	0.06
32.90	0.02	1,474	184.09	0.06
33.00	0.02	1,460	184.09	0.06
33.10	0.02	1,446	184.09	0.06
33.20	0.02	1,433	184.09	0.06
33.30	0.02	1,419	184.09	0.06
33.40	0.02	1,406	184.08	0.06
33.50	0.02	1,393	184.08	0.06
33.60	0.02	1,380	184.08	0.06
33.70	0.02	1,368	184.08	0.05
33.80	0.02	1,356	184.08	0.05
33.90	0.02	1,343	184.08	0.05
34.00	0.02	1,331	184.08	0.05
34.10	0.02	1,320	184.08	0.05
34.20	0.02	1,308	184.08	0.05
34.30	0.02	1,297	184.08	0.05
34.40	0.02	1,285	184.08	0.05
34.50	0.02	1,274	184.08	0.05
34.60	0.02	1,263	184.08	0.05
34.70	0.02	1,253	184.08	0.05
34.80	0.02	1,242	184.08	0.04
34.90	0.02	1,232	184.07	0.04
35.00	0.01	1,222	184.07	0.04
35.10	0.01	1,211	184.07	0.04
35.20	0.01	1,202	184.07	0.04
35.30	0.01	1,192	184.07	0.04
35.40	0.01	1,182	184.07	0.04
35.50	0.01	1,173	184.07	0.04
35.60	0.01	1,164	184.07	0.04
35.70	0.01	1,155	184.07	0.04
35.80	0.01	1,146	184.07	0.04
35.90	0.01	1,137	184.07	0.04
36.00	0.01	1,128	184.07	0.04
36.10	0.01	1,120	184.07	0.04
36.20	0.01	1,112	184.07	0.03
36.30	0.01	1,104	184.07	0.03

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.01	1,096	184.07	0.03
36.50	0.01	1,088	184.07	0.03
36.60	0.01	1,080	184.07	0.03
36.70	0.01	1,073	184.06	0.03
36.80	0.01	1,066	184.06	0.03
36.90	0.01	1,058	184.06	0.03
37.00	0.01	1,051	184.06	0.03
37.10	0.01	1,044	184.06	0.03
37.20	0.01	1,038	184.06	0.03
37.30	0.01	1,031	184.06	0.03
37.40	0.01	1,024	184.06	0.03
37.50	0.01	1,018	184.06	0.03
37.60	0.01	1,012	184.06	0.03
37.70	0.01	1,006	184.06	0.03
37.80	0.01	1,000	184.06	0.03
37.90	0.01	994	184.06	0.03
38.00	0.01	988	184.06	0.03
38.10	0.01	982	184.06	0.03
38.20	0.01	976	184.06	0.02
38.30	0.01	970	184.06	0.02
38.40	0.01	965	184.06	0.02
38.50	0.01	959	184.06	0.02
38.60	0.01	953	184.06	0.02
38.70	0.01	948	184.06	0.02
38.80	0.01	942	184.06	0.02
38.90	0.01	936	184.06	0.02
39.00	0.01	930	184.06	0.02
39.10	0.01	925	184.06	0.02
39.20	0.01	919	184.06	0.02
39.30	0.01	914	184.06	0.02
39.40	0.01	908	184.05	0.02
39.50	0.01	903	184.05	0.02
39.60	0.01	897	184.05	0.02
39.70	0.01	892	184.05	0.02
39.80	0.01	886	184.05	0.02
39.90	0.01	881	184.05	0.02
40.00	0.01	875	184.05	0.02

Stage-Discharge for Pond B-51: Basin #51

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
184.00	0.00	184.52	1.81	185.04	6.71	185.56	10.99
184.01	0.00	184.53	1.88	185.05	6.83	185.57	11.05
184.02	0.00	184.54	1.95	185.06	6.94	185.58	11.10
184.03	0.01	184.55	2.02	185.07	7.06	185.59	11.15
184.04	0.01	184.56	2.09	185.08	7.19	185.60	11.21
184.05	0.02	184.57	2.17	185.09	7.31	185.61	11.26
184.06	0.03	184.58	2.24	185.10	7.43	185.62	11.31
184.07	0.03	184.59	2.31	185.11	7.55	185.63	11.37
184.08	0.05	184.60	2.39	185.12	7.67	185.64	11.42
184.09	0.06	184.61	2.47	185.13	7.80	185.65	11.47
184.10	0.07	184.62	2.54	185.14	7.92	185.66	11.52
184.11	0.09	184.63	2.62	185.15	8.05	185.67	11.57
184.12	0.10	184.64	2.70	185.16	8.18	185.68	11.63
184.13	0.12	184.65	2.78	185.17	8.30	185.69	11.68
184.14	0.14	184.66	2.87	185.18	8.43	185.70	11.73
184.15	0.16	184.67	2.95	185.19	8.56	185.71	11.78
184.16	0.18	184.68	3.03	185.20	8.69	185.72	11.83
184.17	0.20	184.69	3.12	185.21	8.82	185.73	11.88
184.18	0.23	184.70	3.21	185.22	8.92	185.74	11.93
184.19	0.25	184.71	3.29	185.23	8.99	185.75	11.98
184.20	0.28	184.72	3.38	185.24	9.06	185.76	12.03
184.21	0.31	184.73	3.47	185.25	9.12	185.77	12.08
184.22	0.34	184.74	3.56	185.26	9.19	185.78	12.13
184.23	0.37	184.75	3.65	185.27	9.26	185.79	12.18
184.24	0.40	184.76	3.74	185.28	9.32	185.80	12.23
184.25	0.43	184.77	3.84	185.29	9.39	185.81	12.27
184.26	0.47	184.78	3.93	185.30	9.45	185.82	12.32
184.27	0.51	184.79	4.03	185.31	9.52	185.83	12.37
184.28	0.54	184.80	4.12	185.32	9.58	185.84	12.42
184.29	0.58	184.81	4.22	185.33	9.65	185.85	12.47
184.30	0.62	184.82	4.32	185.34	9.71	185.86	12.51
184.31	0.66	184.83	4.42	185.35	9.77	185.87	12.56
184.32	0.71	184.84	4.52	185.36	9.83	185.88	12.61
184.33	0.75	184.85	4.62	185.37	9.89	185.89	12.66
184.34	0.80	184.86	4.72	185.38	9.96	185.90	12.70
184.35	0.84	184.87	4.82	185.39	10.02	185.91	12.75
184.36	0.89	184.88	4.93	185.40	10.08	185.92	12.80
184.37	0.94	184.89	5.03	185.41	10.14	185.93	12.84
184.38	0.99	184.90	5.14	185.42	10.20	185.94	12.89
184.39	1.04	184.91	5.25	185.43	10.26	185.95	12.93
184.40	1.09	184.92	5.35	185.44	10.31	185.96	12.98
184.41	1.15	184.93	5.46	185.45	10.37	185.97	13.02
184.42	1.20	184.94	5.57	185.46	10.43	185.98	13.07
184.43	1.26	184.95	5.68	185.47	10.49	185.99	13.12
184.44	1.31	184.96	5.79	185.48	10.55	186.00	13.16
184.45	1.37	184.97	5.90	185.49	10.60	186.01	13.21
184.46	1.43	184.98	6.02	185.50	10.66	186.02	13.25
184.47	1.49	184.99	6.13	185.51	10.71	186.03	13.30
184.48	1.55	185.00	6.24	185.52	10.77	186.04	13.34
184.49	1.62	185.01	6.36	185.53	10.83	186.05	13.38
184.50	1.68	185.02	6.47	185.54	10.88	186.06	13.43
184.51	1.75	185.03	6.59	185.55	10.94	186.07	13.47

Stage-Discharge for Pond B-51: Basin #51 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
186.08	13.52	186.60	15.62	187.12	17.48	187.64	19.15
186.09	13.56	186.61	15.66	187.13	17.51	187.65	19.18
186.10	13.60	186.62	15.70	187.14	17.54	187.66	19.21
186.11	13.65	186.63	15.74	187.15	17.58	187.67	19.24
186.12	13.69	186.64	15.77	187.16	17.61	187.68	19.27
186.13	13.73	186.65	15.81	187.17	17.64	187.69	19.30
186.14	13.78	186.66	15.85	187.18	17.68	187.70	19.33
186.15	13.82	186.67	15.89	187.19	17.71	187.71	19.36
186.16	13.86	186.68	15.92	187.20	17.74	187.72	19.39
186.17	13.90	186.69	15.96	187.21	17.78	187.73	19.42
186.18	13.95	186.70	16.00	187.22	17.81	187.74	19.45
186.19	13.99	186.71	16.03	187.23	17.84	187.75	19.48
186.20	14.03	186.72	16.07	187.24	17.88	187.76	19.51
186.21	14.07	186.73	16.11	187.25	17.91	187.77	19.54
186.22	14.12	186.74	16.14	187.26	17.94	187.78	19.57
186.23	14.16	186.75	16.18	187.27	17.97	187.79	19.60
186.24	14.20	186.76	16.22	187.28	18.01	187.80	19.63
186.25	14.24	186.77	16.25	187.29	18.04	187.81	19.66
186.26	14.28	186.78	16.29	187.30	18.07	187.82	19.69
186.27	14.32	186.79	16.33	187.31	18.10	187.83	19.72
186.28	14.36	186.80	16.36	187.32	18.14	187.84	19.75
186.29	14.41	186.81	16.40	187.33	18.17	187.85	19.78
186.30	14.45	186.82	16.43	187.34	18.20	187.86	19.81
186.31	14.49	186.83	16.47	187.35	18.23	187.87	19.84
186.32	14.53	186.84	16.50	187.36	18.27	187.88	19.87
186.33	14.57	186.85	16.54	187.37	18.30	187.89	19.90
186.34	14.61	186.86	16.58	187.38	18.33	187.90	19.93
186.35	14.65	186.87	16.61	187.39	18.36	187.91	19.96
186.36	14.69	186.88	16.65	187.40	18.39	187.92	19.99
186.37	14.73	186.89	16.68	187.41	18.43	187.93	20.02
186.38	14.77	186.90	16.72	187.42	18.46	187.94	20.05
186.39	14.81	186.91	16.75	187.43	18.49	187.95	20.08
186.40	14.85	186.92	16.79	187.44	18.52	187.96	20.11
186.41	14.89	186.93	16.82	187.45	18.55	187.97	20.13
186.42	14.93	186.94	16.86	187.46	18.59	187.98	20.16
186.43	14.97	186.95	16.89	187.47	18.62	187.99	20.19
186.44	15.01	186.96	16.93	187.48	18.65	188.00	20.22
186.45	15.05	186.97	16.96	187.49	18.68	188.01	20.25
186.46	15.09	186.98	17.00	187.50	18.71	188.02	20.28
186.47	15.13	186.99	17.03	187.51	18.74	188.03	20.31
186.48	15.16	187.00	17.07	187.52	18.77	188.04	20.34
186.49	15.20	187.01	17.10	187.53	18.81	188.05	20.37
186.50	15.24	187.02	17.14	187.54	18.84	188.06	20.40
186.51	15.28	187.03	17.17	187.55	18.87	188.07	20.42
186.52	15.32	187.04	17.20	187.56	18.90	188.08	20.45
186.53	15.36	187.05	17.24	187.57	18.93	188.09	20.48
186.54	15.40	187.06	17.27	187.58	18.96	188.10	20.51
186.55	15.43	187.07	17.31	187.59	18.99	188.11	20.54
186.56	15.47	187.08	17.34	187.60	19.02	188.12	20.57
186.57	15.51	187.09	17.37	187.61	19.05	188.13	20.60
186.58	15.55	187.10	17.41	187.62	19.08	188.14	20.62
186.59	15.59	187.11	17.44	187.63	19.12	188.15	20.65

Stage-Discharge for Pond B-51: Basin #51 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
188.16	20.68	188.68	22.11	189.20	25.79	189.72	52.99
188.17	20.71	188.69	22.14	189.21	25.99	189.73	54.24
188.18	20.74	188.70	22.16	189.22	26.20	189.74	55.52
188.19	20.77	188.71	22.19	189.23	26.41	189.75	56.83
188.20	20.79	188.72	22.22	189.24	26.63	189.76	58.17
188.21	20.82	188.73	22.24	189.25	26.85	189.77	59.54
188.22	20.85	188.74	22.27	189.26	27.07	189.78	60.93
188.23	20.88	188.75	22.29	189.27	27.30	189.79	62.35
188.24	20.91	188.76	22.32	189.28	27.53	189.80	63.80
188.25	20.94	188.77	22.35	189.29	27.76	189.81	65.27
188.26	20.96	188.78	22.37	189.30	28.00	189.82	66.77
188.27	20.99	188.79	22.40	189.31	28.24	189.83	68.29
188.28	21.02	188.80	22.43	189.32	28.48	189.84	69.84
188.29	21.05	188.81	22.45	189.33	28.73	189.85	71.42
188.30	21.08	188.82	22.48	189.34	28.99	189.86	73.03
188.31	21.10	188.83	22.50	189.35	29.24	189.87	74.66
188.32	21.13	188.84	22.53	189.36	29.50	189.88	76.32
188.33	21.16	188.85	22.56	189.37	29.76	189.89	78.00
188.34	21.19	188.86	22.58	189.38	30.03	189.90	79.71
188.35	21.21	188.87	22.61	189.39	30.29	189.91	81.47
188.36	21.24	188.88	22.63	189.40	30.56	189.92	83.26
188.37	21.27	188.89	22.66	189.41	30.84	189.93	85.08
188.38	21.30	188.90	22.69	189.42	31.12	189.94	86.93
188.39	21.33	188.91	22.71	189.43	31.40	189.95	88.80
188.40	21.35	188.92	22.74	189.44	31.68	189.96	90.70
188.41	21.38	188.93	22.76	189.45	31.97	189.97	92.64
188.42	21.41	188.94	22.79	189.46	32.25	189.98	94.60
188.43	21.44	188.95	22.82	189.47	32.55	189.99	96.58
188.44	21.46	188.96	22.84	189.48	32.84	190.00	**98.58**
188.45	21.49	188.97	22.87	189.49	33.14		
188.46	21.52	188.98	22.89	189.50	33.44		
188.47	21.54	188.99	22.92	189.51	33.86		
188.48	21.57	189.00	22.94	189.52	34.38		
188.49	21.60	189.01	23.00	189.53	34.97		
188.50	21.63	189.02	23.07	189.54	35.61		
188.51	21.65	189.03	23.16	189.55	36.29		
188.52	21.68	189.04	23.26	189.56	37.02		
188.53	21.71	189.05	23.36	189.57	37.79		
188.54	21.73	189.06	23.48	189.58	38.60		
188.55	21.76	189.07	23.61	189.59	39.44		
188.56	21.79	189.08	23.74	189.60	40.31		
188.57	21.82	189.09	23.88	189.61	41.21		
188.58	21.84	189.10	24.03	189.62	42.14		
188.59	21.87	189.11	24.18	189.63	43.10		
188.60	21.90	189.12	24.34	189.64	44.09		
188.61	21.92	189.13	24.50	189.65	45.11		
188.62	21.95	189.14	24.67	189.66	46.15		
188.63	21.98	189.15	24.84	189.67	47.21		
188.64	22.00	189.16	25.02	189.68	48.30		
188.65	22.03	189.17	25.21	189.69	49.42		
188.66	22.06	189.18	25.40	189.70	50.56		
188.67	22.08	189.19	25.59	189.71	51.76		

Stage-Area-Storage for Pond B-51: Basin #51

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
184.00	**16,548**	0	184.52	16,548	8,605
184.01	16,548	165	184.53	16,548	8,770
184.02	16,548	331	184.54	16,548	8,936
184.03	16,548	496	184.55	16,548	9,101
184.04	16,548	662	184.56	16,548	9,267
184.05	16,548	827	184.57	16,548	9,432
184.06	16,548	993	184.58	16,548	9,598
184.07	16,548	1,158	184.59	16,548	9,763
184.08	16,548	1,324	184.60	16,548	9,929
184.09	16,548	1,489	184.61	16,548	10,094
184.10	16,548	1,655	184.62	16,548	10,260
184.11	16,548	1,820	184.63	16,548	10,425
184.12	16,548	1,986	184.64	16,548	10,591
184.13	16,548	2,151	184.65	16,548	10,756
184.14	16,548	2,317	184.66	16,548	10,922
184.15	16,548	2,482	184.67	16,548	11,087
184.16	16,548	2,648	184.68	16,548	11,253
184.17	16,548	2,813	184.69	16,548	11,418
184.18	16,548	2,979	184.70	16,548	11,584
184.19	16,548	3,144	184.71	16,548	11,749
184.20	16,548	3,310	184.72	16,548	11,915
184.21	16,548	3,475	184.73	16,548	12,080
184.22	16,548	3,641	184.74	16,548	12,246
184.23	16,548	3,806	184.75	16,548	12,411
184.24	16,548	3,972	184.76	16,548	12,576
184.25	16,548	4,137	184.77	16,548	12,742
184.26	16,548	4,302	184.78	16,548	12,907
184.27	16,548	4,468	184.79	16,548	13,073
184.28	16,548	4,633	184.80	16,548	13,238
184.29	16,548	4,799	184.81	16,548	13,404
184.30	16,548	4,964	184.82	16,548	13,569
184.31	16,548	5,130	184.83	16,548	13,735
184.32	16,548	5,295	184.84	16,548	13,900
184.33	16,548	5,461	184.85	16,548	14,066
184.34	16,548	5,626	184.86	16,548	14,231
184.35	16,548	5,792	184.87	16,548	14,397
184.36	16,548	5,957	184.88	16,548	14,562
184.37	16,548	6,123	184.89	16,548	14,728
184.38	16,548	6,288	184.90	16,548	14,893
184.39	16,548	6,454	184.91	16,548	15,059
184.40	16,548	6,619	184.92	16,548	15,224
184.41	16,548	6,785	184.93	16,548	15,390
184.42	16,548	6,950	184.94	16,548	15,555
184.43	16,548	7,116	184.95	16,548	15,721
184.44	16,548	7,281	184.96	16,548	15,886
184.45	16,548	7,447	184.97	16,548	16,052
184.46	16,548	7,612	184.98	16,548	16,217
184.47	16,548	7,778	184.99	16,548	16,383
184.48	16,548	7,943	185.00	16,548	16,548
184.49	16,548	8,109	185.01	16,548	16,713
184.50	16,548	8,274	185.02	16,548	16,879
184.51	16,548	8,439	185.03	16,548	17,044

Stage-Area-Storage for Pond B-51: Basin #51 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
185.04	16,548	17,210	185.56	16,548	25,815
185.05	16,548	17,375	185.57	16,548	25,980
185.06	16,548	17,541	185.58	16,548	26,146
185.07	16,548	17,706	185.59	16,548	26,311
185.08	16,548	17,872	185.60	16,548	26,477
185.09	16,548	18,037	185.61	16,548	26,642
185.10	16,548	18,203	185.62	16,548	26,808
185.11	16,548	18,368	185.63	16,548	26,973
185.12	16,548	18,534	185.64	16,548	27,139
185.13	16,548	18,699	185.65	16,548	27,304
185.14	16,548	18,865	185.66	16,548	27,470
185.15	16,548	19,030	185.67	16,548	27,635
185.16	16,548	19,196	185.68	16,548	27,801
185.17	16,548	19,361	185.69	16,548	27,966
185.18	16,548	19,527	185.70	16,548	28,132
185.19	16,548	19,692	185.71	16,548	28,297
185.20	16,548	19,858	185.72	16,548	28,463
185.21	16,548	20,023	185.73	16,548	28,628
185.22	16,548	20,189	185.74	16,548	28,794
185.23	16,548	20,354	185.75	16,548	28,959
185.24	16,548	20,520	185.76	16,548	29,124
185.25	16,548	20,685	185.77	16,548	29,290
185.26	16,548	20,850	185.78	16,548	29,455
185.27	16,548	21,016	185.79	16,548	29,621
185.28	16,548	21,181	185.80	16,548	29,786
185.29	16,548	21,347	185.81	16,548	29,952
185.30	16,548	21,512	185.82	16,548	30,117
185.31	16,548	21,678	185.83	16,548	30,283
185.32	16,548	21,843	185.84	16,548	30,448
185.33	16,548	22,009	185.85	16,548	30,614
185.34	16,548	22,174	185.86	16,548	30,779
185.35	16,548	22,340	185.87	16,548	30,945
185.36	16,548	22,505	185.88	16,548	31,110
185.37	16,548	22,671	185.89	16,548	31,276
185.38	16,548	22,836	185.90	16,548	31,441
185.39	16,548	23,002	185.91	16,548	31,607
185.40	16,548	23,167	185.92	16,548	31,772
185.41	16,548	23,333	185.93	16,548	31,938
185.42	16,548	23,498	185.94	16,548	32,103
185.43	16,548	23,664	185.95	16,548	32,269
185.44	16,548	23,829	185.96	16,548	32,434
185.45	16,548	23,995	185.97	16,548	32,600
185.46	16,548	24,160	185.98	16,548	32,765
185.47	16,548	24,326	185.99	16,548	32,931
185.48	16,548	24,491	186.00	16,548	33,096
185.49	16,548	24,657	186.01	16,548	33,261
185.50	16,548	24,822	186.02	16,548	33,427
185.51	16,548	24,987	186.03	16,548	33,592
185.52	16,548	25,153	186.04	16,548	33,758
185.53	16,548	25,318	186.05	16,548	33,923
185.54	16,548	25,484	186.06	16,548	34,089
185.55	16,548	25,649	186.07	16,548	34,254

Stage-Area-Storage for Pond B-51: Basin #51 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
186.08	16,548	34,420	186.60	16,548	43,025
186.09	16,548	34,585	186.61	16,548	43,190
186.10	16,548	34,751	186.62	16,548	43,356
186.11	16,548	34,916	186.63	16,548	43,521
186.12	16,548	35,082	186.64	16,548	43,687
186.13	16,548	35,247	186.65	16,548	43,852
186.14	16,548	35,413	186.66	16,548	44,018
186.15	16,548	35,578	186.67	16,548	44,183
186.16	16,548	35,744	186.68	16,548	44,349
186.17	16,548	35,909	186.69	16,548	44,514
186.18	16,548	36,075	186.70	16,548	44,680
186.19	16,548	36,240	186.71	16,548	44,845
186.20	16,548	36,406	186.72	16,548	45,011
186.21	16,548	36,571	186.73	16,548	45,176
186.22	16,548	36,737	186.74	16,548	45,342
186.23	16,548	36,902	186.75	16,548	45,507
186.24	16,548	37,068	186.76	16,548	45,672
186.25	16,548	37,233	186.77	16,548	45,838
186.26	16,548	37,398	186.78	16,548	46,003
186.27	16,548	37,564	186.79	16,548	46,169
186.28	16,548	37,729	186.80	16,548	46,334
186.29	16,548	37,895	186.81	16,548	46,500
186.30	16,548	38,060	186.82	16,548	46,665
186.31	16,548	38,226	186.83	16,548	46,831
186.32	16,548	38,391	186.84	16,548	46,996
186.33	16,548	38,557	186.85	16,548	47,162
186.34	16,548	38,722	186.86	16,548	47,327
186.35	16,548	38,888	186.87	16,548	47,493
186.36	16,548	39,053	186.88	16,548	47,658
186.37	16,548	39,219	186.89	16,548	47,824
186.38	16,548	39,384	186.90	16,548	47,989
186.39	16,548	39,550	186.91	16,548	48,155
186.40	16,548	39,715	186.92	16,548	48,320
186.41	16,548	39,881	186.93	16,548	48,486
186.42	16,548	40,046	186.94	16,548	48,651
186.43	16,548	40,212	186.95	16,548	48,817
186.44	16,548	40,377	186.96	16,548	48,982
186.45	16,548	40,543	186.97	16,548	49,148
186.46	16,548	40,708	186.98	16,548	49,313
186.47	16,548	40,874	186.99	16,548	49,479
186.48	16,548	41,039	187.00	16,548	49,644
186.49	16,548	41,205	187.01	16,548	49,809
186.50	16,548	41,370	187.02	16,548	49,975
186.51	16,548	41,535	187.03	16,548	50,140
186.52	16,548	41,701	187.04	16,548	50,306
186.53	16,548	41,866	187.05	16,548	50,471
186.54	16,548	42,032	187.06	16,548	50,637
186.55	16,548	42,197	187.07	16,548	50,802
186.56	16,548	42,363	187.08	16,548	50,968
186.57	16,548	42,528	187.09	16,548	51,133
186.58	16,548	42,694	187.10	16,548	51,299
186.59	16,548	42,859	187.11	16,548	51,464

Stage-Area-Storage for Pond B-51: Basin #51 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
187.12	16,548	51,630	187.64	16,548	60,235
187.13	16,548	51,795	187.65	16,548	60,400
187.14	16,548	51,961	187.66	16,548	60,566
187.15	16,548	52,126	187.67	16,548	60,731
187.16	16,548	52,292	187.68	16,548	60,897
187.17	16,548	52,457	187.69	16,548	61,062
187.18	16,548	52,623	187.70	16,548	61,228
187.19	16,548	52,788	187.71	16,548	61,393
187.20	16,548	52,954	187.72	16,548	61,559
187.21	16,548	53,119	187.73	16,548	61,724
187.22	16,548	53,285	187.74	16,548	61,890
187.23	16,548	53,450	187.75	16,548	62,055
187.24	16,548	53,616	187.76	16,548	62,220
187.25	16,548	53,781	187.77	16,548	62,386
187.26	16,548	53,946	187.78	16,548	62,551
187.27	16,548	54,112	187.79	16,548	62,717
187.28	16,548	54,277	187.80	16,548	62,882
187.29	16,548	54,443	187.81	16,548	63,048
187.30	16,548	54,608	187.82	16,548	63,213
187.31	16,548	54,774	187.83	16,548	63,379
187.32	16,548	54,939	187.84	16,548	63,544
187.33	16,548	55,105	187.85	16,548	63,710
187.34	16,548	55,270	187.86	16,548	63,875
187.35	16,548	55,436	187.87	16,548	64,041
187.36	16,548	55,601	187.88	16,548	64,206
187.37	16,548	55,767	187.89	16,548	64,372
187.38	16,548	55,932	187.90	16,548	64,537
187.39	16,548	56,098	187.91	16,548	64,703
187.40	16,548	56,263	187.92	16,548	64,868
187.41	16,548	56,429	187.93	16,548	65,034
187.42	16,548	56,594	187.94	16,548	65,199
187.43	16,548	56,760	187.95	16,548	65,365
187.44	16,548	56,925	187.96	16,548	65,530
187.45	16,548	57,091	187.97	16,548	65,696
187.46	16,548	57,256	187.98	16,548	65,861
187.47	16,548	57,422	187.99	16,548	66,027
187.48	16,548	57,587	188.00	16,548	66,192
187.49	16,548	57,753	188.01	16,548	66,357
187.50	16,548	57,918	188.02	16,548	66,523
187.51	16,548	58,083	188.03	16,548	66,688
187.52	16,548	58,249	188.04	16,548	66,854
187.53	16,548	58,414	188.05	16,548	67,019
187.54	16,548	58,580	188.06	16,548	67,185
187.55	16,548	58,745	188.07	16,548	67,350
187.56	16,548	58,911	188.08	16,548	67,516
187.57	16,548	59,076	188.09	16,548	67,681
187.58	16,548	59,242	188.10	16,548	67,847
187.59	16,548	59,407	188.11	16,548	68,012
187.60	16,548	59,573	188.12	16,548	68,178
187.61	16,548	59,738	188.13	16,548	68,343
187.62	16,548	59,904	188.14	16,548	68,509
187.63	16,548	60,069	188.15	16,548	68,674

Stage-Area-Storage for Pond B-51: Basin #51 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
188.16	16,548	68,840	188.68	16,548	77,445
188.17	16,548	69,005	188.69	16,548	77,610
188.18	16,548	69,171	188.70	16,548	77,776
188.19	16,548	69,336	188.71	16,548	77,941
188.20	16,548	69,502	188.72	16,548	78,107
188.21	16,548	69,667	188.73	16,548	78,272
188.22	16,548	69,833	188.74	16,548	78,438
188.23	16,548	69,998	188.75	16,548	78,603
188.24	16,548	70,164	188.76	16,548	78,768
188.25	16,548	70,329	188.77	16,548	78,934
188.26	16,548	70,494	188.78	16,548	79,099
188.27	16,548	70,660	188.79	16,548	79,265
188.28	16,548	70,825	188.80	16,548	79,430
188.29	16,548	70,991	188.81	16,548	79,596
188.30	16,548	71,156	188.82	16,548	79,761
188.31	16,548	71,322	188.83	16,548	79,927
188.32	16,548	71,487	188.84	16,548	80,092
188.33	16,548	71,653	188.85	16,548	80,258
188.34	16,548	71,818	188.86	16,548	80,423
188.35	16,548	71,984	188.87	16,548	80,589
188.36	16,548	72,149	188.88	16,548	80,754
188.37	16,548	72,315	188.89	16,548	80,920
188.38	16,548	72,480	188.90	16,548	81,085
188.39	16,548	72,646	188.91	16,548	81,251
188.40	16,548	72,811	188.92	16,548	81,416
188.41	16,548	72,977	188.93	16,548	81,582
188.42	16,548	73,142	188.94	16,548	81,747
188.43	16,548	73,308	188.95	16,548	81,913
188.44	16,548	73,473	188.96	16,548	82,078
188.45	16,548	73,639	188.97	16,548	82,244
188.46	16,548	73,804	188.98	16,548	82,409
188.47	16,548	73,970	188.99	16,548	82,575
188.48	16,548	74,135	189.00	16,548	82,740
188.49	16,548	74,301	189.01	16,548	82,905
188.50	16,548	74,466	189.02	16,548	83,071
188.51	16,548	74,631	189.03	16,548	83,236
188.52	16,548	74,797	189.04	16,548	83,402
188.53	16,548	74,962	189.05	16,548	83,567
188.54	16,548	75,128	189.06	16,548	83,733
188.55	16,548	75,293	189.07	16,548	83,898
188.56	16,548	75,459	189.08	16,548	84,064
188.57	16,548	75,624	189.09	16,548	84,229
188.58	16,548	75,790	189.10	16,548	84,395
188.59	16,548	75,955	189.11	16,548	84,560
188.60	16,548	76,121	189.12	16,548	84,726
188.61	16,548	76,286	189.13	16,548	84,891
188.62	16,548	76,452	189.14	16,548	85,057
188.63	16,548	76,617	189.15	16,548	85,222
188.64	16,548	76,783	189.16	16,548	85,388
188.65	16,548	76,948	189.17	16,548	85,553
188.66	16,548	77,114	189.18	16,548	85,719
188.67	16,548	77,279	189.19	16,548	85,884

Stage-Area-Storage for Pond B-51: Basin #51 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
189.20	16,548	86,050
189.21	16,548	86,215
189.22	16,548	86,381
189.23	16,548	86,546
189.24	16,548	86,712
189.25	16,548	86,877
189.26	16,548	87,042
189.27	16,548	87,208
189.28	16,548	87,373
189.29	16,548	87,539
189.30	16,548	87,704
189.31	16,548	87,870
189.32	16,548	88,035
189.33	16,548	88,201
189.34	16,548	88,366
189.35	16,548	88,532
189.36	16,548	88,697
189.37	16,548	88,863
189.38	16,548	89,028
189.39	16,548	89,194
189.40	16,548	89,359
189.41	16,548	89,525
189.42	16,548	89,690
189.43	16,548	89,856
189.44	16,548	90,021
189.45	16,548	90,187
189.46	16,548	90,352
189.47	16,548	90,518
189.48	16,548	90,683
189.49	16,548	90,849
189.50	16,548	91,014
189.51	16,548	91,179
189.52	16,548	91,345
189.53	16,548	91,510
189.54	16,548	91,676
189.55	16,548	91,841
189.56	16,548	92,007
189.57	16,548	92,172
189.58	16,548	92,338
189.59	16,548	92,503
189.60	16,548	92,669
189.61	16,548	92,834
189.62	16,548	93,000
189.63	16,548	93,165
189.64	16,548	93,331
189.65	16,548	93,496
189.66	16,548	93,662
189.67	16,548	93,827
189.68	16,548	93,993
189.69	16,548	94,158
189.70	16,548	94,324
189.71	16,548	94,489
189.72	16,548	94,655
189.73	16,548	94,820
189.74	16,548	94,986
189.75	16,548	95,151
189.76	16,548	95,316
189.77	16,548	95,482
189.78	16,548	95,647
189.79	16,548	95,813
189.80	16,548	95,978
189.81	16,548	96,144
189.82	16,548	96,309
189.83	16,548	96,475
189.84	16,548	96,640
189.85	16,548	96,806
189.86	16,548	96,971
189.87	16,548	97,137
189.88	16,548	97,302
189.89	16,548	97,468
189.90	16,548	97,633
189.91	16,548	97,799
189.92	16,548	97,964
189.93	16,548	98,130
189.94	16,548	98,295
189.95	16,548	98,461
189.96	16,548	98,626
189.97	16,548	98,792
189.98	16,548	98,957
189.99	16,548	99,123
190.00	16,548	**99,288**

Summary for Pond B-52: Basin #52

Inflow Area = 1.423 ac, 34.43% Impervious, Inflow Depth = 1.82" for Current 2 yr event
Inflow = 2.47 cfs @ 12.08 hrs, Volume= 0.216 af
Outflow = 0.67 cfs @ 12.54 hrs, Volume= 0.167 af, Atten= 73%, Lag= 27.8 min
Primary = 0.67 cfs @ 12.54 hrs, Volume= 0.167 af
Routed to Pond B-51 : Basin #51

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 196.46' @ 12.54 hrs Surf.Area= 2,440 sf Storage= 4,849 cf

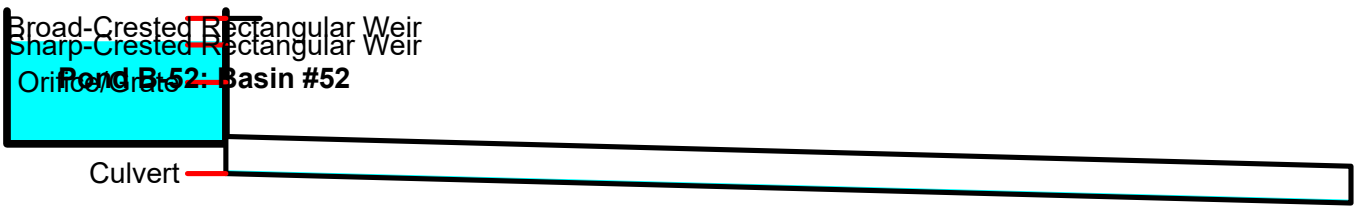
Plug-Flow detention time= 308.7 min calculated for 0.167 af (78% of inflow)
Center-of-Mass det. time= 219.2 min (1,019.5 - 800.3)

Volume	Invert	Avail.Storage	Storage Description
#1	193.00'	7,751 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

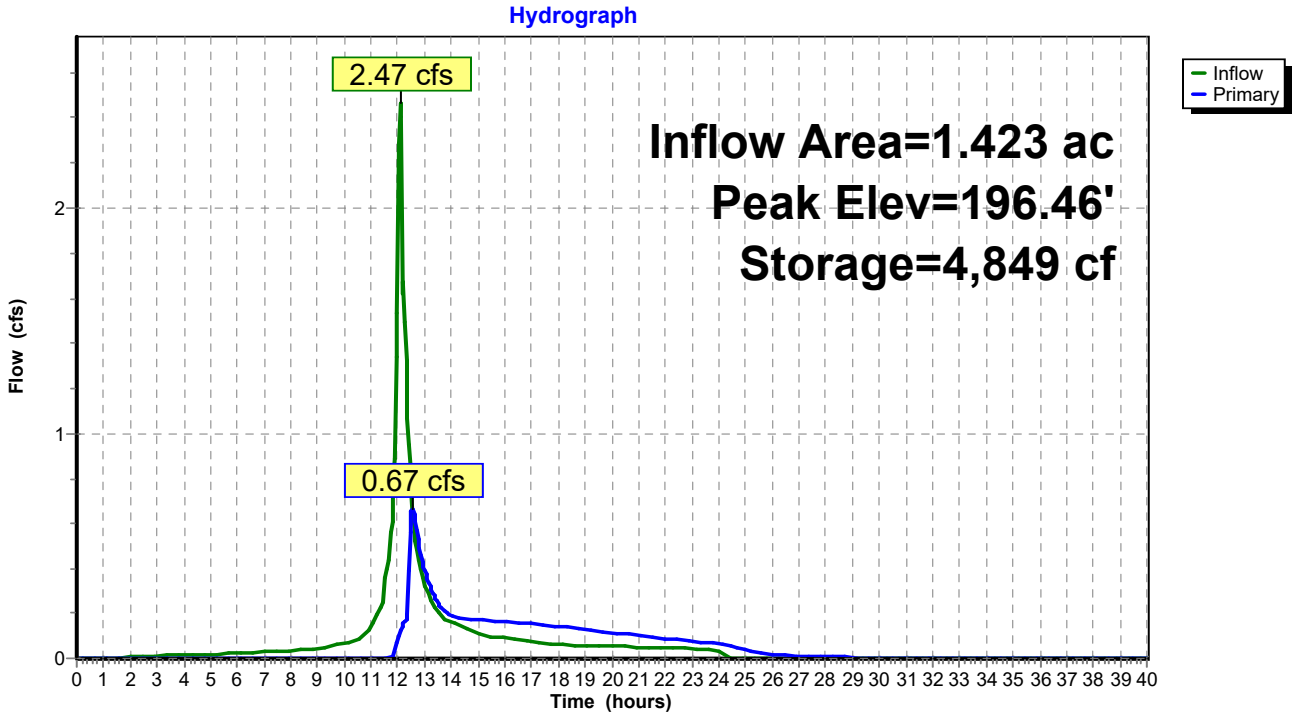
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
193.00	474	0	0
194.00	970	722	722
195.00	1,523	1,247	1,969
196.00	2,133	1,828	3,797
197.00	2,799	2,466	6,263
197.50	3,154	1,488	7,751

Device	Routing	Invert	Outlet Devices
#1	Primary	192.00'	**15.0" Round Culvert** L= 163.0' Ke= 0.500 Inlet / Outlet Invert= 192.00' / 191.00' S= 0.0061 '/' Cc= 0.900 n= 0.013, Flow Area= 1.23 sf
#2	Device 1	195.08'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	196.35'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	197.25'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.66 cfs @ 12.54 hrs HW=196.46' (Free Discharge)
- **1=Culvert** (Passes 0.66 cfs of 8.78 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.19 cfs @ 5.44 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 0.48 cfs @ 1.09 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-52: Basin #52



Hydrograph for Pond B-52: Basin #52

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	193.00	0.00
0.10	0.00	0	193.00	0.00
0.20	0.00	0	193.00	0.00
0.30	0.00	0	193.00	0.00
0.40	0.00	0	193.00	0.00
0.50	0.00	0	193.00	0.00
0.60	0.00	0	193.00	0.00
0.70	0.00	0	193.00	0.00
0.80	0.00	0	193.00	0.00
0.90	0.00	0	193.00	0.00
1.00	0.00	0	193.00	0.00
1.10	0.00	0	193.00	0.00
1.20	0.00	0	193.00	0.00
1.30	0.00	0	193.00	0.00
1.40	0.00	1	193.00	0.00
1.50	0.00	2	193.00	0.00
1.60	0.00	3	193.01	0.00
1.70	0.00	4	193.01	0.00
1.80	0.00	5	193.01	0.00
1.90	0.00	7	193.01	0.00
2.00	0.01	9	193.02	0.00
2.10	0.01	11	193.02	0.00
2.20	0.01	13	193.03	0.00
2.30	0.01	15	193.03	0.00
2.40	0.01	18	193.04	0.00
2.50	0.01	21	193.04	0.00
2.60	0.01	24	193.05	0.00
2.70	0.01	27	193.05	0.00
2.80	0.01	30	193.06	0.00
2.90	0.01	33	193.07	0.00
3.00	0.01	37	193.07	0.00
3.10	0.01	41	193.08	0.00
3.20	0.01	45	193.09	0.00
3.30	0.01	49	193.10	0.00
3.40	0.01	53	193.11	0.00
3.50	0.01	57	193.11	0.00
3.60	0.01	62	193.12	0.00
3.70	0.01	66	193.13	0.00
3.80	0.01	71	193.14	0.00
3.90	0.01	76	193.15	0.00
4.00	0.01	81	193.16	0.00
4.10	0.01	86	193.17	0.00
4.20	0.01	92	193.18	0.00
4.30	0.02	97	193.19	0.00
4.40	0.02	103	193.20	0.00
4.50	0.02	108	193.21	0.00
4.60	0.02	114	193.22	0.00
4.70	0.02	120	193.23	0.00
4.80	0.02	126	193.24	0.00
4.90	0.02	132	193.25	0.00
5.00	0.02	139	193.26	0.00
5.10	0.02	145	193.27	0.00

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.02	152	193.28	0.00
5.30	0.02	158	193.29	0.00
5.40	0.02	165	193.30	0.00
5.50	0.02	172	193.31	0.00
5.60	0.02	179	193.32	0.00
5.70	0.02	186	193.33	0.00
5.80	0.02	193	193.34	0.00
5.90	0.02	200	193.36	0.00
6.00	0.02	208	193.37	0.00
6.10	0.02	215	193.38	0.00
6.20	0.02	223	193.39	0.00
6.30	0.02	231	193.40	0.00
6.40	0.02	239	193.41	0.00
6.50	0.02	248	193.43	0.00
6.60	0.02	257	193.44	0.00
6.70	0.03	266	193.45	0.00
6.80	0.03	275	193.47	0.00
6.90	0.03	285	193.48	0.00
7.00	0.03	294	193.49	0.00
7.10	0.03	305	193.51	0.00
7.20	0.03	315	193.52	0.00
7.30	0.03	325	193.54	0.00
7.40	0.03	336	193.55	0.00
7.50	0.03	347	193.57	0.00
7.60	0.03	359	193.58	0.00
7.70	0.03	370	193.60	0.00
7.80	0.03	382	193.61	0.00
7.90	0.03	394	193.63	0.00
8.00	0.03	407	193.64	0.00
8.10	0.04	419	193.66	0.00
8.20	0.04	432	193.67	0.00
8.30	0.04	445	193.69	0.00
8.40	0.04	459	193.71	0.00
8.50	0.04	472	193.72	0.00
8.60	0.04	486	193.74	0.00
8.70	0.04	501	193.76	0.00
8.80	0.04	515	193.77	0.00
8.90	0.04	530	193.79	0.00
9.00	0.04	545	193.81	0.00
9.10	0.04	560	193.83	0.00
9.20	0.05	577	193.84	0.00
9.30	0.05	594	193.86	0.00
9.40	0.05	613	193.88	0.00
9.50	0.05	632	193.90	0.00
9.60	0.06	652	193.93	0.00
9.70	0.06	673	193.95	0.00
9.80	0.06	695	193.97	0.00
9.90	0.06	717	194.00	0.00
10.00	0.07	741	194.02	0.00
10.10	0.07	766	194.04	0.00
10.20	0.07	791	194.07	0.00
10.30	0.07	817	194.10	0.00

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.08	845	194.12	0.00
10.50	0.08	873	194.15	0.00
10.60	0.09	904	194.18	0.00
10.70	0.10	938	194.21	0.00
10.80	0.11	976	194.24	0.00
10.90	0.12	1,017	194.28	0.00
11.00	0.13	1,064	194.32	0.00
11.10	0.15	1,117	194.37	0.00
11.20	0.18	1,177	194.42	0.00
11.30	0.20	1,247	194.48	0.00
11.40	0.23	1,325	194.54	0.00
11.50	0.26	1,412	194.61	0.00
11.60	0.38	1,535	194.70	0.00
11.70	0.44	1,683	194.81	0.00
11.80	0.61	1,878	194.94	0.00
11.90	0.89	2,155	195.12	0.00
12.00	1.53	2,600	195.39	0.07
12.10	**2.41**	3,332	195.77	0.13
12.20	1.68	3,940	196.07	0.15
12.30	1.33	4,421	196.28	0.17
12.40	0.95	4,733	196.41	0.39
12.50	0.76	**4,843**	**196.46**	**0.65**
12.60	0.57	**4,839**	**196.46**	**0.64**
12.70	0.48	4,810	196.44	0.57
12.80	0.41	4,778	196.43	0.49
12.90	0.37	4,753	196.42	0.43
13.00	0.33	4,732	196.41	0.39
13.10	0.30	4,711	196.40	0.35
13.20	0.27	4,693	196.40	0.32
13.30	0.25	4,677	196.39	0.29
13.40	0.23	4,662	196.38	0.27
13.50	0.21	4,650	196.38	0.24
13.60	0.19	4,638	196.37	0.23
13.70	0.18	4,625	196.37	0.21
13.80	0.17	4,613	196.36	0.20
13.90	0.17	4,602	196.36	0.19
14.00	0.16	4,593	196.35	0.19
14.10	0.16	4,584	196.35	0.18
14.20	0.15	4,576	196.35	0.18
14.30	0.15	4,565	196.34	0.18
14.40	0.14	4,553	196.34	0.18
14.50	0.14	4,539	196.33	0.18
14.60	0.13	4,524	196.32	0.18
14.70	0.13	4,507	196.32	0.17
14.80	0.12	4,488	196.31	0.17
14.90	0.12	4,468	196.30	0.17
15.00	0.11	4,446	196.29	0.17
15.10	0.10	4,422	196.28	0.17
15.20	0.10	4,398	196.27	0.17
15.30	0.10	4,372	196.26	0.17
15.40	0.10	4,347	196.25	0.17
15.50	0.10	4,321	196.24	0.17

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.10	4,295	196.23	0.17
15.70	0.09	4,268	196.21	0.17
15.80	0.09	4,242	196.20	0.17
15.90	0.09	4,216	196.19	0.16
16.00	0.09	4,189	196.18	0.16
16.10	0.09	4,162	196.17	0.16
16.20	0.09	4,135	196.16	0.16
16.30	0.09	4,108	196.14	0.16
16.40	0.08	4,081	196.13	0.16
16.50	0.08	4,054	196.12	0.16
16.60	0.08	4,026	196.11	0.16
16.70	0.08	3,999	196.09	0.16
16.80	0.08	3,971	196.08	0.16
16.90	0.08	3,944	196.07	0.15
17.00	0.08	3,916	196.06	0.15
17.10	0.07	3,888	196.04	0.15
17.20	0.07	3,860	196.03	0.15
17.30	0.07	3,832	196.02	0.15
17.40	0.07	3,804	196.00	0.15
17.50	0.07	3,775	195.99	0.15
17.60	0.07	3,747	195.98	0.15
17.70	0.07	3,719	195.96	0.14
17.80	0.06	3,690	195.95	0.14
17.90	0.06	3,662	195.94	0.14
18.00	0.06	3,633	195.92	0.14
18.10	0.06	3,605	195.91	0.14
18.20	0.06	3,576	195.90	0.14
18.30	0.06	3,548	195.88	0.14
18.40	0.06	3,520	195.87	0.14
18.50	0.06	3,492	195.85	0.13
18.60	0.06	3,465	195.84	0.13
18.70	0.06	3,438	195.83	0.13
18.80	0.06	3,412	195.81	0.13
18.90	0.06	3,385	195.80	0.13
19.00	0.06	3,360	195.79	0.13
19.10	0.06	3,334	195.78	0.13
19.20	0.06	3,309	195.76	0.12
19.30	0.06	3,284	195.75	0.12
19.40	0.06	3,260	195.74	0.12
19.50	0.05	3,236	195.73	0.12
19.60	0.05	3,213	195.71	0.12
19.70	0.05	3,189	195.70	0.12
19.80	0.05	3,166	195.69	0.12
19.90	0.05	3,144	195.68	0.12
20.00	0.05	3,122	195.67	0.11
20.10	0.05	3,100	195.66	0.11
20.20	0.05	3,078	195.65	0.11
20.30	0.05	3,057	195.63	0.11
20.40	0.05	3,037	195.62	0.11
20.50	0.05	3,016	195.61	0.11
20.60	0.05	2,996	195.60	0.11
20.70	0.05	2,977	195.59	0.10

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.05	2,957	195.58	0.10
20.90	0.05	2,938	195.57	0.10
21.00	0.05	2,920	195.56	0.10
21.10	0.05	2,901	195.55	0.10
21.20	0.05	2,884	195.54	0.10
21.30	0.05	2,866	195.53	0.10
21.40	0.05	2,849	195.52	0.10
21.50	0.05	2,832	195.51	0.09
21.60	0.05	2,815	195.50	0.09
21.70	0.05	2,799	195.50	0.09
21.80	0.05	2,783	195.49	0.09
21.90	0.05	2,768	195.48	0.09
22.00	0.05	2,753	195.47	0.09
22.10	0.05	2,738	195.46	0.09
22.20	0.05	2,723	195.45	0.09
22.30	0.05	2,709	195.45	0.08
22.40	0.04	2,695	195.44	0.08
22.50	0.04	2,682	195.43	0.08
22.60	0.04	2,668	195.42	0.08
22.70	0.04	2,656	195.42	0.08
22.80	0.04	2,643	195.41	0.08
22.90	0.04	2,631	195.40	0.08
23.00	0.04	2,619	195.40	0.08
23.10	0.04	2,607	195.39	0.07
23.20	0.04	2,596	195.38	0.07
23.30	0.04	2,584	195.38	0.07
23.40	0.04	2,574	195.37	0.07
23.50	0.04	2,563	195.36	0.07
23.60	0.04	2,553	195.36	0.07
23.70	0.04	2,543	195.35	0.07
23.80	0.04	2,533	195.35	0.07
23.90	0.04	2,524	195.34	0.07
24.00	0.04	2,516	195.34	0.06
24.10	0.02	2,503	195.33	0.06
24.20	0.01	2,487	195.32	0.06
24.30	0.00	2,468	195.31	0.06
24.40	0.00	2,449	195.30	0.06
24.50	0.00	2,429	195.29	0.05
24.60	0.00	2,411	195.28	0.05
24.70	0.00	2,394	195.27	0.05
24.80	0.00	2,378	195.26	0.04
24.90	0.00	2,363	195.25	0.04
25.00	0.00	2,349	195.24	0.04
25.10	0.00	2,336	195.23	0.03
25.20	0.00	2,324	195.22	0.03
25.30	0.00	2,313	195.22	0.03
25.40	0.00	2,302	195.21	0.03
25.50	0.00	2,293	195.20	0.03
25.60	0.00	2,284	195.20	0.02
25.70	0.00	2,276	195.19	0.02
25.80	0.00	2,268	195.19	0.02
25.90	0.00	2,261	195.18	0.02

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	2,254	195.18	0.02
26.10	0.00	2,248	195.18	0.02
26.20	0.00	2,242	195.17	0.02
26.30	0.00	2,236	195.17	0.01
26.40	0.00	2,231	195.17	0.01
26.50	0.00	2,226	195.16	0.01
26.60	0.00	2,222	195.16	0.01
26.70	0.00	2,218	195.16	0.01
26.80	0.00	2,214	195.16	0.01
26.90	0.00	2,210	195.15	0.01
27.00	0.00	2,206	195.15	0.01
27.10	0.00	2,203	195.15	0.01
27.20	0.00	2,199	195.15	0.01
27.30	0.00	2,196	195.15	0.01
27.40	0.00	2,193	195.14	0.01
27.50	0.00	2,190	195.14	0.01
27.60	0.00	2,188	195.14	0.01
27.70	0.00	2,185	195.14	0.01
27.80	0.00	2,182	195.14	0.01
27.90	0.00	2,180	195.14	0.01
28.00	0.00	2,178	195.13	0.01
28.10	0.00	2,176	195.13	0.01
28.20	0.00	2,173	195.13	0.01
28.30	0.00	2,171	195.13	0.01
28.40	0.00	2,170	195.13	0.01
28.50	0.00	2,168	195.13	0.00
28.60	0.00	2,166	195.13	0.00
28.70	0.00	2,164	195.13	0.00
28.80	0.00	2,163	195.12	0.00
28.90	0.00	2,161	195.12	0.00
29.00	0.00	2,160	195.12	0.00
29.10	0.00	2,158	195.12	0.00
29.20	0.00	2,157	195.12	0.00
29.30	0.00	2,156	195.12	0.00
29.40	0.00	2,155	195.12	0.00
29.50	0.00	2,153	195.12	0.00
29.60	0.00	2,152	195.12	0.00
29.70	0.00	2,151	195.12	0.00
29.80	0.00	2,150	195.12	0.00
29.90	0.00	2,149	195.12	0.00
30.00	0.00	2,148	195.12	0.00
30.10	0.00	2,147	195.11	0.00
30.20	0.00	2,147	195.11	0.00
30.30	0.00	2,146	195.11	0.00
30.40	0.00	2,145	195.11	0.00
30.50	0.00	2,144	195.11	0.00
30.60	0.00	2,143	195.11	0.00
30.70	0.00	2,143	195.11	0.00
30.80	0.00	2,142	195.11	0.00
30.90	0.00	2,141	195.11	0.00
31.00	0.00	2,140	195.11	0.00
31.10	0.00	2,139	195.11	0.00

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	2,139	195.11	0.00
31.30	0.00	2,138	195.11	0.00
31.40	0.00	2,137	195.11	0.00
31.50	0.00	2,137	195.11	0.00
31.60	0.00	2,136	195.11	0.00
31.70	0.00	2,135	195.11	0.00
31.80	0.00	2,135	195.11	0.00
31.90	0.00	2,134	195.11	0.00
32.00	0.00	2,133	195.11	0.00
32.10	0.00	2,133	195.11	0.00
32.20	0.00	2,132	195.11	0.00
32.30	0.00	2,131	195.10	0.00
32.40	0.00	2,131	195.10	0.00
32.50	0.00	2,130	195.10	0.00
32.60	0.00	2,130	195.10	0.00
32.70	0.00	2,129	195.10	0.00
32.80	0.00	2,128	195.10	0.00
32.90	0.00	2,128	195.10	0.00
33.00	0.00	2,127	195.10	0.00
33.10	0.00	2,127	195.10	0.00
33.20	0.00	2,126	195.10	0.00
33.30	0.00	2,126	195.10	0.00
33.40	0.00	2,125	195.10	0.00
33.50	0.00	2,125	195.10	0.00
33.60	0.00	2,124	195.10	0.00
33.70	0.00	2,124	195.10	0.00
33.80	0.00	2,123	195.10	0.00
33.90	0.00	2,123	195.10	0.00
34.00	0.00	2,122	195.10	0.00
34.10	0.00	2,122	195.10	0.00
34.20	0.00	2,121	195.10	0.00
34.30	0.00	2,121	195.10	0.00
34.40	0.00	2,120	195.10	0.00
34.50	0.00	2,120	195.10	0.00
34.60	0.00	2,120	195.10	0.00
34.70	0.00	2,119	195.10	0.00
34.80	0.00	2,119	195.10	0.00
34.90	0.00	2,118	195.10	0.00
35.00	0.00	2,118	195.10	0.00
35.10	0.00	2,118	195.10	0.00
35.20	0.00	2,117	195.10	0.00
35.30	0.00	2,117	195.10	0.00
35.40	0.00	2,116	195.10	0.00
35.50	0.00	2,116	195.09	0.00
35.60	0.00	2,116	195.09	0.00
35.70	0.00	2,115	195.09	0.00
35.80	0.00	2,115	195.09	0.00
35.90	0.00	2,115	195.09	0.00
36.00	0.00	2,114	195.09	0.00
36.10	0.00	2,114	195.09	0.00
36.20	0.00	2,114	195.09	0.00
36.30	0.00	2,113	195.09	0.00

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	2,113	195.09	0.00
36.50	0.00	2,113	195.09	0.00
36.60	0.00	2,112	195.09	0.00
36.70	0.00	2,112	195.09	0.00
36.80	0.00	2,112	195.09	0.00
36.90	0.00	2,111	195.09	0.00
37.00	0.00	2,111	195.09	0.00
37.10	0.00	2,111	195.09	0.00
37.20	0.00	2,110	195.09	0.00
37.30	0.00	2,110	195.09	0.00
37.40	0.00	2,110	195.09	0.00
37.50	0.00	2,110	195.09	0.00
37.60	0.00	2,109	195.09	0.00
37.70	0.00	2,109	195.09	0.00
37.80	0.00	2,109	195.09	0.00
37.90	0.00	2,109	195.09	0.00
38.00	0.00	2,108	195.09	0.00
38.10	0.00	2,108	195.09	0.00
38.20	0.00	2,108	195.09	0.00
38.30	0.00	2,108	195.09	0.00
38.40	0.00	2,107	195.09	0.00
38.50	0.00	2,107	195.09	0.00
38.60	0.00	2,107	195.09	0.00
38.70	0.00	2,107	195.09	0.00
38.80	0.00	2,106	195.09	0.00
38.90	0.00	2,106	195.09	0.00
39.00	0.00	2,106	195.09	0.00
39.10	0.00	2,106	195.09	0.00
39.20	0.00	2,106	195.09	0.00
39.30	0.00	2,105	195.09	0.00
39.40	0.00	2,105	195.09	0.00
39.50	0.00	2,105	195.09	0.00
39.60	0.00	2,105	195.09	0.00
39.70	0.00	2,105	195.09	0.00
39.80	0.00	2,104	195.09	0.00
39.90	0.00	2,104	195.09	0.00
40.00	0.00	2,104	195.09	0.00

Stage-Discharge for Pond B-52: Basin #52

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
193.00	0.00	193.52	0.00	194.04	0.00	194.56	0.00
193.01	0.00	193.53	0.00	194.05	0.00	194.57	0.00
193.02	0.00	193.54	0.00	194.06	0.00	194.58	0.00
193.03	0.00	193.55	0.00	194.07	0.00	194.59	0.00
193.04	0.00	193.56	0.00	194.08	0.00	194.60	0.00
193.05	0.00	193.57	0.00	194.09	0.00	194.61	0.00
193.06	0.00	193.58	0.00	194.10	0.00	194.62	0.00
193.07	0.00	193.59	0.00	194.11	0.00	194.63	0.00
193.08	0.00	193.60	0.00	194.12	0.00	194.64	0.00
193.09	0.00	193.61	0.00	194.13	0.00	194.65	0.00
193.10	0.00	193.62	0.00	194.14	0.00	194.66	0.00
193.11	0.00	193.63	0.00	194.15	0.00	194.67	0.00
193.12	0.00	193.64	0.00	194.16	0.00	194.68	0.00
193.13	0.00	193.65	0.00	194.17	0.00	194.69	0.00
193.14	0.00	193.66	0.00	194.18	0.00	194.70	0.00
193.15	0.00	193.67	0.00	194.19	0.00	194.71	0.00
193.16	0.00	193.68	0.00	194.20	0.00	194.72	0.00
193.17	0.00	193.69	0.00	194.21	0.00	194.73	0.00
193.18	0.00	193.70	0.00	194.22	0.00	194.74	0.00
193.19	0.00	193.71	0.00	194.23	0.00	194.75	0.00
193.20	0.00	193.72	0.00	194.24	0.00	194.76	0.00
193.21	0.00	193.73	0.00	194.25	0.00	194.77	0.00
193.22	0.00	193.74	0.00	194.26	0.00	194.78	0.00
193.23	0.00	193.75	0.00	194.27	0.00	194.79	0.00
193.24	0.00	193.76	0.00	194.28	0.00	194.80	0.00
193.25	0.00	193.77	0.00	194.29	0.00	194.81	0.00
193.26	0.00	193.78	0.00	194.30	0.00	194.82	0.00
193.27	0.00	193.79	0.00	194.31	0.00	194.83	0.00
193.28	0.00	193.80	0.00	194.32	0.00	194.84	0.00
193.29	0.00	193.81	0.00	194.33	0.00	194.85	0.00
193.30	0.00	193.82	0.00	194.34	0.00	194.86	0.00
193.31	0.00	193.83	0.00	194.35	0.00	194.87	0.00
193.32	0.00	193.84	0.00	194.36	0.00	194.88	0.00
193.33	0.00	193.85	0.00	194.37	0.00	194.89	0.00
193.34	0.00	193.86	0.00	194.38	0.00	194.90	0.00
193.35	0.00	193.87	0.00	194.39	0.00	194.91	0.00
193.36	0.00	193.88	0.00	194.40	0.00	194.92	0.00
193.37	0.00	193.89	0.00	194.41	0.00	194.93	0.00
193.38	0.00	193.90	0.00	194.42	0.00	194.94	0.00
193.39	0.00	193.91	0.00	194.43	0.00	194.95	0.00
193.40	0.00	193.92	0.00	194.44	0.00	194.96	0.00
193.41	0.00	193.93	0.00	194.45	0.00	194.97	0.00
193.42	0.00	193.94	0.00	194.46	0.00	194.98	0.00
193.43	0.00	193.95	0.00	194.47	0.00	194.99	0.00
193.44	0.00	193.96	0.00	194.48	0.00	195.00	0.00
193.45	0.00	193.97	0.00	194.49	0.00	195.01	0.00
193.46	0.00	193.98	0.00	194.50	0.00	195.02	0.00
193.47	0.00	193.99	0.00	194.51	0.00	195.03	0.00
193.48	0.00	194.00	0.00	194.52	0.00	195.04	0.00
193.49	0.00	194.01	0.00	194.53	0.00	195.05	0.00
193.50	0.00	194.02	0.00	194.54	0.00	195.06	0.00
193.51	0.00	194.03	0.00	194.55	0.00	195.07	0.00

Stage-Discharge for Pond B-52: Basin #52 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
195.08	0.00	195.60	0.11	196.12	0.16	196.64	2.21
195.09	0.00	195.61	0.11	196.13	0.16	196.65	2.32
195.10	0.00	195.62	0.11	196.14	0.16	196.66	2.42
195.11	0.00	195.63	0.11	196.15	0.16	196.67	2.53
195.12	0.00	195.64	0.11	196.16	0.16	196.68	2.64
195.13	0.00	195.65	0.11	196.17	0.16	196.69	2.75
195.14	0.01	195.66	0.11	196.18	0.16	196.70	2.86
195.15	0.01	195.67	0.11	196.19	0.16	196.71	2.98
195.16	0.01	195.68	0.12	196.20	0.17	196.72	3.09
195.17	0.01	195.69	0.12	196.21	0.17	196.73	3.21
195.18	0.02	195.70	0.12	196.22	0.17	196.74	3.33
195.19	0.02	195.71	0.12	196.23	0.17	196.75	3.45
195.20	0.02	195.72	0.12	196.24	0.17	196.76	3.57
195.21	0.03	195.73	0.12	196.25	0.17	196.77	3.69
195.22	0.03	195.74	0.12	196.26	0.17	196.78	3.82
195.23	0.03	195.75	0.12	196.27	0.17	196.79	3.94
195.24	0.04	195.76	0.12	196.28	0.17	196.80	4.07
195.25	0.04	195.77	0.13	196.29	0.17	196.81	4.20
195.26	0.05	195.78	0.13	196.30	0.17	196.82	4.33
195.27	0.05	195.79	0.13	196.31	0.17	196.83	4.46
195.28	0.05	195.80	0.13	196.32	0.17	196.84	4.59
195.29	0.05	195.81	0.13	196.33	0.18	196.85	4.72
195.30	0.06	195.82	0.13	196.34	0.18	196.86	4.85
195.31	0.06	195.83	0.13	196.35	0.18	196.87	4.99
195.32	0.06	195.84	0.13	196.36	0.19	196.88	5.13
195.33	0.06	195.85	0.13	196.37	0.22	196.89	5.26
195.34	0.06	195.86	0.13	196.38	0.25	196.90	5.40
195.35	0.07	195.87	0.14	196.39	0.28	196.91	5.54
195.36	0.07	195.88	0.14	196.40	0.33	196.92	5.68
195.37	0.07	195.89	0.14	196.41	0.37	196.93	5.83
195.38	0.07	195.90	0.14	196.42	0.42	196.94	5.97
195.39	0.07	195.91	0.14	196.43	0.48	196.95	6.11
195.40	0.08	195.92	0.14	196.44	0.54	196.96	6.26
195.41	0.08	195.93	0.14	196.45	0.60	196.97	6.41
195.42	0.08	195.94	0.14	196.46	0.66	196.98	6.55
195.43	0.08	195.95	0.14	196.47	0.73	196.99	6.70
195.44	0.08	195.96	0.14	196.48	0.80	197.00	6.85
195.45	0.08	195.97	0.15	196.49	0.87	197.01	7.00
195.46	0.09	195.98	0.15	196.50	0.94	197.02	7.16
195.47	0.09	195.99	0.15	196.51	1.02	197.03	7.31
195.48	0.09	196.00	0.15	196.52	1.10	197.04	7.46
195.49	0.09	196.01	0.15	196.53	1.18	197.05	7.62
195.50	0.09	196.02	0.15	196.54	1.26	197.06	7.77
195.51	0.09	196.03	0.15	196.55	1.35	197.07	7.93
195.52	0.10	196.04	0.15	196.56	1.44	197.08	8.09
195.53	0.10	196.05	0.15	196.57	1.53	197.09	8.24
195.54	0.10	196.06	0.15	196.58	1.62	197.10	8.40
195.55	0.10	196.07	0.15	196.59	1.71	197.11	8.56
195.56	0.10	196.08	0.16	196.60	1.81	197.12	8.73
195.57	0.10	196.09	0.16	196.61	1.91	197.13	8.89
195.58	0.10	196.10	0.16	196.62	2.01	197.14	9.05
195.59	0.10	196.11	0.16	196.63	2.11	197.15	9.22

Stage-Discharge for Pond B-52: Basin #52 (continued)

Elevation (feet)	Primary (cfs)
197.16	9.38
197.17	9.49
197.18	9.50
197.19	9.51
197.20	9.52
197.21	9.53
197.22	9.54
197.23	9.55
197.24	9.55
197.25	9.56
197.26	9.69
197.27	9.91
197.28	10.20
197.29	10.54
197.30	10.92
197.31	11.35
197.32	11.81
197.33	12.30
197.34	12.82
197.35	13.38
197.36	13.96
197.37	14.57
197.38	15.21
197.39	15.87
197.40	16.55
197.41	17.26
197.42	17.99
197.43	18.75
197.44	19.52
197.45	20.32
197.46	21.17
197.47	22.06
197.48	22.96
197.49	23.90
197.50	**24.85**

Stage-Area-Storage for Pond B-52: Basin #52

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
193.00	474	0	193.52	732	314
193.01	479	5	193.53	737	321
193.02	484	10	193.54	742	328
193.03	489	14	193.55	747	336
193.04	494	19	193.56	752	343
193.05	499	24	193.57	757	351
193.06	504	29	193.58	762	358
193.07	509	34	193.59	767	366
193.08	514	40	193.60	772	374
193.09	519	45	193.61	777	381
193.10	524	50	193.62	782	389
193.11	529	55	193.63	786	397
193.12	534	60	193.64	791	405
193.13	538	66	193.65	796	413
193.14	543	71	193.66	801	421
193.15	548	77	193.67	806	429
193.16	553	82	193.68	811	437
193.17	558	88	193.69	816	445
193.18	563	93	193.70	821	453
193.19	568	99	193.71	826	462
193.20	573	105	193.72	831	470
193.21	578	110	193.73	836	478
193.22	583	116	193.74	841	487
193.23	588	122	193.75	846	495
193.24	593	128	193.76	851	503
193.25	598	134	193.77	856	512
193.26	603	140	193.78	861	521
193.27	608	146	193.79	866	529
193.28	613	152	193.80	871	538
193.29	618	158	193.81	876	547
193.30	623	165	193.82	881	555
193.31	628	171	193.83	886	564
193.32	633	177	193.84	891	573
193.33	638	183	193.85	896	582
193.34	643	190	193.86	901	591
193.35	648	196	193.87	906	600
193.36	653	203	193.88	910	609
193.37	658	209	193.89	915	618
193.38	662	216	193.90	920	627
193.39	667	223	193.91	925	637
193.40	672	229	193.92	930	646
193.41	677	236	193.93	935	655
193.42	682	243	193.94	940	665
193.43	687	250	193.95	945	674
193.44	692	257	193.96	950	684
193.45	697	264	193.97	955	693
193.46	702	271	193.98	960	703
193.47	707	278	193.99	965	712
193.48	712	285	194.00	970	722
193.49	717	292	194.01	976	732
193.50	722	299	194.02	981	742
193.51	727	306	194.03	987	751

Stage-Area-Storage for Pond B-52: Basin #52 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
194.04	992	761	194.56	1,280	1,352
194.05	998	771	194.57	1,285	1,365
194.06	1,003	781	194.58	1,291	1,378
194.07	1,009	791	194.59	1,296	1,391
194.08	1,014	801	194.60	1,302	1,404
194.09	1,020	812	194.61	1,307	1,417
194.10	1,025	822	194.62	1,313	1,430
194.11	1,031	832	194.63	1,318	1,443
194.12	1,036	842	194.64	1,324	1,456
194.13	1,042	853	194.65	1,329	1,469
194.14	1,047	863	194.66	1,335	1,483
194.15	1,053	874	194.67	1,341	1,496
194.16	1,058	884	194.68	1,346	1,509
194.17	1,064	895	194.69	1,352	1,523
194.18	1,070	906	194.70	1,357	1,536
194.19	1,075	916	194.71	1,363	1,550
194.20	1,081	927	194.72	1,368	1,564
194.21	1,086	938	194.73	1,374	1,577
194.22	1,092	949	194.74	1,379	1,591
194.23	1,097	960	194.75	1,385	1,605
194.24	1,103	971	194.76	1,390	1,619
194.25	1,108	982	194.77	1,396	1,633
194.26	1,114	993	194.78	1,401	1,647
194.27	1,119	1,004	194.79	1,407	1,661
194.28	1,125	1,015	194.80	1,412	1,675
194.29	1,130	1,027	194.81	1,418	1,689
194.30	1,136	1,038	194.82	1,423	1,703
194.31	1,141	1,049	194.83	1,429	1,718
194.32	1,147	1,061	194.84	1,435	1,732
194.33	1,152	1,072	194.85	1,440	1,746
194.34	1,158	1,084	194.86	1,446	1,761
194.35	1,164	1,095	194.87	1,451	1,775
194.36	1,169	1,107	194.88	1,457	1,790
194.37	1,175	1,119	194.89	1,462	1,804
194.38	1,180	1,131	194.90	1,468	1,819
194.39	1,186	1,142	194.91	1,473	1,834
194.40	1,191	1,154	194.92	1,479	1,848
194.41	1,197	1,166	194.93	1,484	1,863
194.42	1,202	1,178	194.94	1,490	1,878
194.43	1,208	1,190	194.95	1,495	1,893
194.44	1,213	1,202	194.96	1,501	1,908
194.45	1,219	1,214	194.97	1,506	1,923
194.46	1,224	1,227	194.98	1,512	1,938
194.47	1,230	1,239	194.99	1,517	1,953
194.48	1,235	1,251	195.00	1,523	1,969
194.49	1,241	1,264	195.01	1,529	1,984
194.50	1,247	1,276	195.02	1,535	1,999
194.51	1,252	1,289	195.03	1,541	2,014
194.52	1,258	1,301	195.04	1,547	2,030
194.53	1,263	1,314	195.05	1,554	2,045
194.54	1,269	1,326	195.06	1,560	2,061
194.55	1,274	1,339	195.07	1,566	2,077

Stage-Area-Storage for Pond B-52: Basin #52 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
195.08	1,572	2,092	195.60	1,889	2,992
195.09	1,578	2,108	195.61	1,895	3,011
195.10	1,584	2,124	195.62	1,901	3,030
195.11	1,590	2,140	195.63	1,907	3,049
195.12	1,596	2,156	195.64	1,913	3,068
195.13	1,602	2,172	195.65	1,920	3,087
195.14	1,608	2,188	195.66	1,926	3,107
195.15	1,615	2,204	195.67	1,932	3,126
195.16	1,621	2,220	195.68	1,938	3,145
195.17	1,627	2,236	195.69	1,944	3,165
195.18	1,633	2,253	195.70	1,950	3,184
195.19	1,639	2,269	195.71	1,956	3,204
195.20	1,645	2,285	195.72	1,962	3,223
195.21	1,651	2,302	195.73	1,968	3,243
195.22	1,657	2,318	195.74	1,974	3,263
195.23	1,663	2,335	195.75	1,981	3,282
195.24	1,669	2,352	195.76	1,987	3,302
195.25	1,676	2,368	195.77	1,993	3,322
195.26	1,682	2,385	195.78	1,999	3,342
195.27	1,688	2,402	195.79	2,005	3,362
195.28	1,694	2,419	195.80	2,011	3,382
195.29	1,700	2,436	195.81	2,017	3,402
195.30	1,706	2,453	195.82	2,023	3,422
195.31	1,712	2,470	195.83	2,029	3,443
195.32	1,718	2,487	195.84	2,035	3,463
195.33	1,724	2,504	195.85	2,041	3,483
195.34	1,730	2,522	195.86	2,048	3,504
195.35	1,736	2,539	195.87	2,054	3,524
195.36	1,743	2,556	195.88	2,060	3,545
195.37	1,749	2,574	195.89	2,066	3,566
195.38	1,755	2,591	195.90	2,072	3,586
195.39	1,761	2,609	195.91	2,078	3,607
195.40	1,767	2,627	195.92	2,084	3,628
195.41	1,773	2,644	195.93	2,090	3,649
195.42	1,779	2,662	195.94	2,096	3,670
195.43	1,785	2,680	195.95	2,102	3,691
195.44	1,791	2,698	195.96	2,109	3,712
195.45	1,797	2,716	195.97	2,115	3,733
195.46	1,804	2,734	195.98	2,121	3,754
195.47	1,810	2,752	195.99	2,127	3,775
195.48	1,816	2,770	196.00	2,133	3,797
195.49	1,822	2,788	196.01	2,140	3,818
195.50	1,828	2,806	196.02	2,146	3,839
195.51	1,834	2,825	196.03	2,153	3,861
195.52	1,840	2,843	196.04	2,160	3,882
195.53	1,846	2,861	196.05	2,166	3,904
195.54	1,852	2,880	196.06	2,173	3,926
195.55	1,859	2,898	196.07	2,180	3,947
195.56	1,865	2,917	196.08	2,186	3,969
195.57	1,871	2,936	196.09	2,193	3,991
195.58	1,877	2,954	196.10	2,200	4,013
195.59	1,883	2,973	196.11	2,206	4,035

Stage-Area-Storage for Pond B-52: Basin #52 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
196.12	2,213	4,057	196.64	2,559	5,298
196.13	2,220	4,079	196.65	2,566	5,324
196.14	2,226	4,102	196.66	2,573	5,349
196.15	2,233	4,124	196.67	2,579	5,375
196.16	2,240	4,146	196.68	2,586	5,401
196.17	2,246	4,169	196.69	2,593	5,427
196.18	2,253	4,191	196.70	2,599	5,453
196.19	2,260	4,214	196.71	2,606	5,479
196.20	2,266	4,236	196.72	2,613	5,505
196.21	2,273	4,259	196.73	2,619	5,531
196.22	2,280	4,282	196.74	2,626	5,557
196.23	2,286	4,305	196.75	2,633	5,584
196.24	2,293	4,328	196.76	2,639	5,610
196.25	2,300	4,351	196.77	2,646	5,636
196.26	2,306	4,374	196.78	2,652	5,663
196.27	2,313	4,397	196.79	2,659	5,689
196.28	2,319	4,420	196.80	2,666	5,716
196.29	2,326	4,443	196.81	2,672	5,743
196.30	2,333	4,466	196.82	2,679	5,769
196.31	2,339	4,490	196.83	2,686	5,796
196.32	2,346	4,513	196.84	2,692	5,823
196.33	2,353	4,537	196.85	2,699	5,850
196.34	2,359	4,560	196.86	2,706	5,877
196.35	2,366	4,584	196.87	2,712	5,904
196.36	2,373	4,608	196.88	2,719	5,931
196.37	2,379	4,631	196.89	2,726	5,959
196.38	2,386	4,655	196.90	2,732	5,986
196.39	2,393	4,679	196.91	2,739	6,013
196.40	2,399	4,703	196.92	2,746	6,041
196.41	2,406	4,727	196.93	2,752	6,068
196.42	2,413	4,751	196.94	2,759	6,096
196.43	2,419	4,775	196.95	2,766	6,123
196.44	2,426	4,799	196.96	2,772	6,151
196.45	2,433	4,824	196.97	2,779	6,179
196.46	2,439	4,848	196.98	2,786	6,207
196.47	2,446	4,873	196.99	2,792	6,235
196.48	2,453	4,897	197.00	2,799	6,263
196.49	2,459	4,922	197.01	2,806	6,291
196.50	2,466	4,946	197.02	2,813	6,319
196.51	2,473	4,971	197.03	2,820	6,347
196.52	2,479	4,996	197.04	2,827	6,375
196.53	2,486	5,021	197.05	2,835	6,403
196.54	2,493	5,045	197.06	2,842	6,432
196.55	2,499	5,070	197.07	2,849	6,460
196.56	2,506	5,095	197.08	2,856	6,489
196.57	2,513	5,121	197.09	2,863	6,517
196.58	2,519	5,146	197.10	2,870	6,546
196.59	2,526	5,171	197.11	2,877	6,575
196.60	2,533	5,196	197.12	2,884	6,603
196.61	2,539	5,222	197.13	2,891	6,632
196.62	2,546	5,247	197.14	2,898	6,661
196.63	2,553	5,272	197.15	2,906	6,690

Stage-Area-Storage for Pond B-52: Basin #52 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
197.16	2,913	6,719
197.17	2,920	6,749
197.18	2,927	6,778
197.19	2,934	6,807
197.20	2,941	6,836
197.21	2,948	6,866
197.22	2,955	6,895
197.23	2,962	6,925
197.24	2,969	6,955
197.25	2,977	6,984
197.26	2,984	7,014
197.27	2,991	7,044
197.28	2,998	7,074
197.29	3,005	7,104
197.30	3,012	7,134
197.31	3,019	7,164
197.32	3,026	7,195
197.33	3,033	7,225
197.34	3,040	7,255
197.35	3,047	7,286
197.36	3,055	7,316
197.37	3,062	7,347
197.38	3,069	7,377
197.39	3,076	7,408
197.40	3,083	7,439
197.41	3,090	7,470
197.42	3,097	7,501
197.43	3,104	7,532
197.44	3,111	7,563
197.45	3,118	7,594
197.46	3,126	7,625
197.47	3,133	7,656
197.48	3,140	7,688
197.49	3,147	7,719
197.50	**3,154**	**7,751**

Summary for Pond B-53: Basin #53

Inflow Area = 2.540 ac, 47.80% Impervious, Inflow Depth = 2.08" for Current 2 yr event
Inflow = 6.58 cfs @ 12.10 hrs, Volume= 0.441 af
Outflow = 2.11 cfs @ 12.28 hrs, Volume= 0.329 af, Atten= 68%, Lag= 10.8 min
Primary = 2.11 cfs @ 12.28 hrs, Volume= 0.329 af
Routed to Pond B-51 : Basin #51

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 201.82' @ 12.28 hrs Surf.Area= 4,749 sf Storage= 8,648 cf

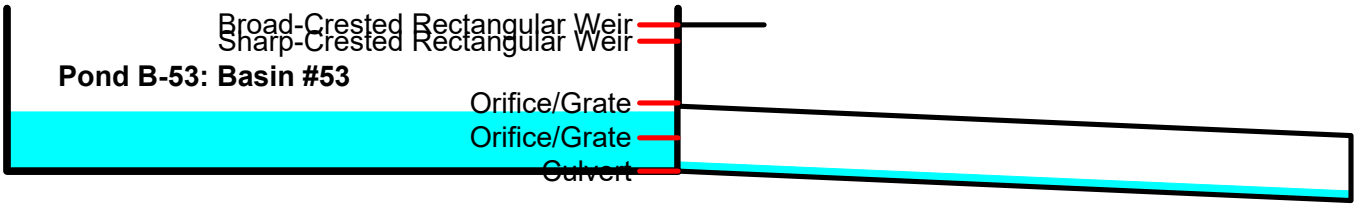
Plug-Flow detention time= 197.6 min calculated for 0.328 af (74% of inflow)
Center-of-Mass det. time= 103.7 min (888.6 - 784.9)

Volume	Invert	Avail.Storage	Storage Description
#1	200.00'	23,745 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

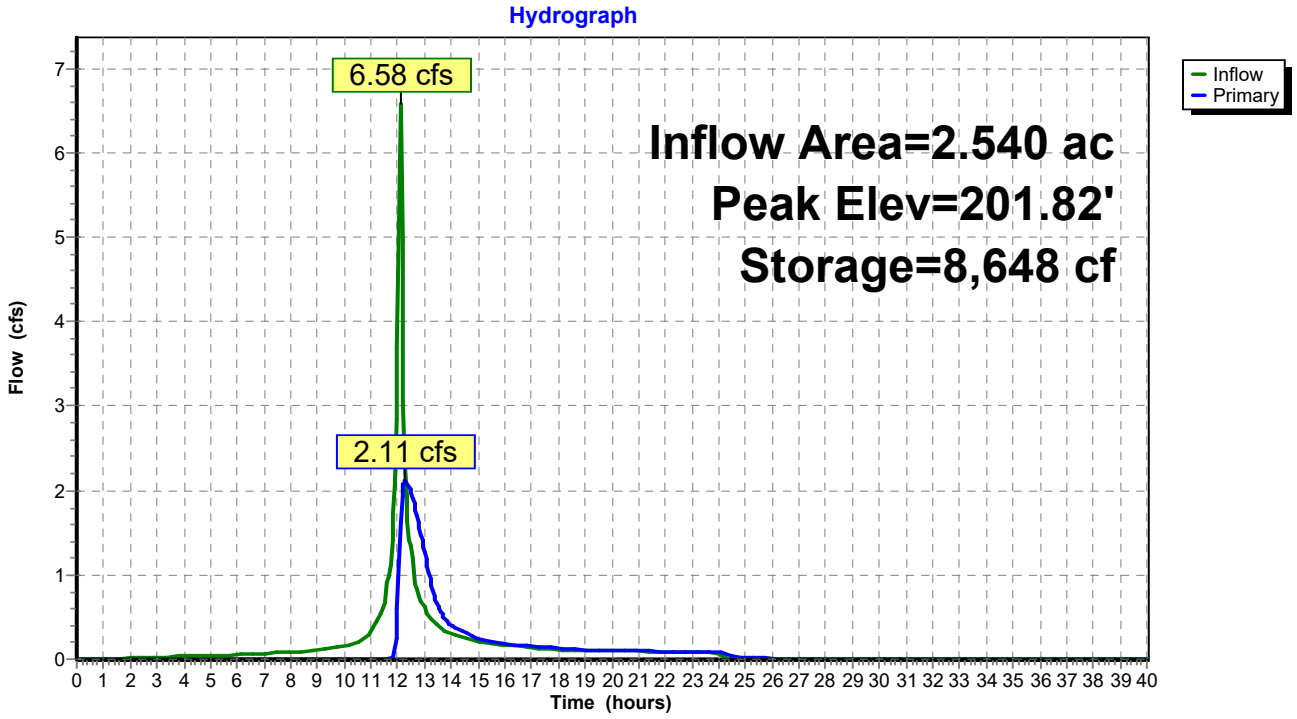
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
200.00	4,749	0	0
201.00	4,749	4,749	4,749
202.00	4,749	4,749	9,498
203.00	4,749	4,749	14,247
204.00	4,749	4,749	18,996
205.00	4,749	4,749	23,745

Device	Routing	Invert	Outlet Devices
#1	Primary	200.00'	**24.0" Round Culvert** L= 39.0' Ke= 0.500 Inlet / Outlet Invert= 200.00' / 199.10' S= 0.0231 '/' Cc= 0.900 n= 0.013, Flow Area= 3.14 sf
#2	Device 1	201.03'	**20.0" W x 4.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	202.10'	**29.0" W x 6.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Device 1	204.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#5	Primary	204.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=2.10 cfs @ 12.28 hrs HW=201.82' (Free Discharge)
- **1=Culvert** (Passes 2.10 cfs of 13.78 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 2.10 cfs @ 3.79 fps)
  - **3=Orifice/Grate** (Controls 0.00 cfs)
  - **4=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **5=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-53: Basin #53



Hydrograph for Pond B-53: Basin #53

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	200.00	0.00
0.10	0.00	0	200.00	0.00
0.20	0.00	0	200.00	0.00
0.30	0.00	0	200.00	0.00
0.40	0.00	0	200.00	0.00
0.50	0.00	0	200.00	0.00
0.60	0.00	0	200.00	0.00
0.70	0.00	0	200.00	0.00
0.80	0.00	0	200.00	0.00
0.90	0.00	0	200.00	0.00
1.00	0.00	0	200.00	0.00
1.10	0.00	0	200.00	0.00
1.20	0.00	0	200.00	0.00
1.30	0.00	0	200.00	0.00
1.40	0.00	2	200.00	0.00
1.50	0.01	3	200.00	0.00
1.60	0.01	5	200.00	0.00
1.70	0.01	8	200.00	0.00
1.80	0.01	11	200.00	0.00
1.90	0.01	15	200.00	0.00
2.00	0.01	19	200.00	0.00
2.10	0.01	24	200.01	0.00
2.20	0.02	29	200.01	0.00
2.30	0.02	35	200.01	0.00
2.40	0.02	41	200.01	0.00
2.50	0.02	48	200.01	0.00
2.60	0.02	55	200.01	0.00
2.70	0.02	62	200.01	0.00
2.80	0.02	70	200.01	0.00
2.90	0.02	79	200.02	0.00
3.00	0.02	87	200.02	0.00
3.10	0.03	97	200.02	0.00
3.20	0.03	106	200.02	0.00
3.30	0.03	116	200.02	0.00
3.40	0.03	126	200.03	0.00
3.50	0.03	137	200.03	0.00
3.60	0.03	148	200.03	0.00
3.70	0.03	159	200.03	0.00
3.80	0.03	171	200.04	0.00
3.90	0.03	183	200.04	0.00
4.00	0.03	195	200.04	0.00
4.10	0.04	208	200.04	0.00
4.20	0.04	221	200.05	0.00
4.30	0.04	235	200.05	0.00
4.40	0.04	248	200.05	0.00
4.50	0.04	262	200.06	0.00
4.60	0.04	276	200.06	0.00
4.70	0.04	291	200.06	0.00
4.80	0.04	306	200.06	0.00
4.90	0.04	321	200.07	0.00
5.00	0.04	337	200.07	0.00
5.10	0.04	352	200.07	0.00

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.04	368	200.08	0.00
5.30	0.05	385	200.08	0.00
5.40	0.05	401	200.08	0.00
5.50	0.05	418	200.09	0.00
5.60	0.05	435	200.09	0.00
5.70	0.05	452	200.10	0.00
5.80	0.05	470	200.10	0.00
5.90	0.05	488	200.10	0.00
6.00	0.05	506	200.11	0.00
6.10	0.05	525	200.11	0.00
6.20	0.05	544	200.11	0.00
6.30	0.06	563	200.12	0.00
6.40	0.06	584	200.12	0.00
6.50	0.06	605	200.13	0.00
6.60	0.06	626	200.13	0.00
6.70	0.06	648	200.14	0.00
6.80	0.06	671	200.14	0.00
6.90	0.07	694	200.15	0.00
7.00	0.07	718	200.15	0.00
7.10	0.07	743	200.16	0.00
7.20	0.07	768	200.16	0.00
7.30	0.07	794	200.17	0.00
7.40	0.07	821	200.17	0.00
7.50	0.08	848	200.18	0.00
7.60	0.08	876	200.18	0.00
7.70	0.08	904	200.19	0.00
7.80	0.08	933	200.20	0.00
7.90	0.08	963	200.20	0.00
8.00	0.09	993	200.21	0.00
8.10	0.09	1,024	200.22	0.00
8.20	0.09	1,056	200.22	0.00
8.30	0.09	1,088	200.23	0.00
8.40	0.09	1,121	200.24	0.00
8.50	0.09	1,155	200.24	0.00
8.60	0.10	1,189	200.25	0.00
8.70	0.10	1,224	200.26	0.00
8.80	0.10	1,259	200.27	0.00
8.90	0.10	1,295	200.27	0.00
9.00	0.10	1,332	200.28	0.00
9.10	0.11	1,370	200.29	0.00
9.20	0.11	1,410	200.30	0.00
9.30	0.12	1,452	200.31	0.00
9.40	0.13	1,497	200.32	0.00
9.50	0.13	1,543	200.32	0.00
9.60	0.14	1,592	200.34	0.00
9.70	0.14	1,643	200.35	0.00
9.80	0.15	1,696	200.36	0.00
9.90	0.16	1,751	200.37	0.00
10.00	0.16	1,809	200.38	0.00
10.10	0.17	1,868	200.39	0.00
10.20	0.18	1,930	200.41	0.00
10.30	0.18	1,995	200.42	0.00

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.19	2,061	200.43	0.00
10.50	0.19	2,130	200.45	0.00
10.60	0.21	2,203	200.46	0.00
10.70	0.24	2,284	200.48	0.00
10.80	0.27	2,375	200.50	0.00
10.90	0.29	2,476	200.52	0.00
11.00	0.32	2,588	200.54	0.00
11.10	0.37	2,712	200.57	0.00
11.20	0.43	2,856	200.60	0.00
11.30	0.48	3,019	200.64	0.00
11.40	0.54	3,203	200.67	0.00
11.50	0.59	3,407	200.72	0.00
11.60	0.90	3,674	200.77	0.00
11.70	1.03	4,024	200.85	0.00
11.80	1.42	4,461	200.94	0.00
11.90	2.06	5,080	201.07	0.05
12.00	3.70	6,006	201.26	0.61
12.10	**6.57**	7,452	201.57	1.62
12.20	3.04	8,532	201.80	2.06
12.30	1.94	**8,643**	**201.82**	**2.10**
12.40	1.42	8,491	201.79	2.05
12.50	1.31	8,257	201.74	1.96
12.60	0.90	7,967	201.68	1.84
12.70	0.81	7,632	201.61	1.70
12.80	0.74	7,324	201.54	1.56
12.90	0.67	7,044	201.48	1.41
13.00	0.60	6,792	201.43	1.26
13.10	0.53	6,570	201.38	1.10
13.20	0.49	6,387	201.34	0.95
13.30	0.46	6,241	201.31	0.81
13.40	0.42	6,125	201.29	0.71
13.50	0.38	6,028	201.27	0.63
13.60	0.34	5,945	201.25	0.56
13.70	0.33	5,874	201.24	0.51
13.80	0.32	5,817	201.22	0.46
13.90	0.31	5,771	201.22	0.43
14.00	0.30	5,732	201.21	0.40
14.10	0.29	5,700	201.20	0.38
14.20	0.28	5,671	201.19	0.36
14.30	0.27	5,645	201.19	0.34
14.40	0.26	5,622	201.18	0.33
14.50	0.25	5,600	201.18	0.31
14.60	0.24	5,579	201.17	0.30
14.70	0.23	5,560	201.17	0.29
14.80	0.22	5,541	201.17	0.27
14.90	0.21	5,523	201.16	0.26
15.00	0.20	5,506	201.16	0.25
15.10	0.19	5,488	201.16	0.24
15.20	0.19	5,473	201.15	0.23
15.30	0.19	5,459	201.15	0.22
15.40	0.18	5,448	201.15	0.22
15.50	0.18	5,437	201.14	0.21

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.18	5,427	201.14	0.20
15.70	0.18	5,419	201.14	0.20
15.80	0.17	5,410	201.14	0.20
15.90	0.17	5,403	201.14	0.19
16.00	0.17	5,395	201.14	0.19
16.10	0.17	5,389	201.13	0.18
16.20	0.16	5,382	201.13	0.18
16.30	0.16	5,376	201.13	0.18
16.40	0.16	5,370	201.13	0.17
16.50	0.16	5,364	201.13	0.17
16.60	0.15	5,358	201.13	0.17
16.70	0.15	5,352	201.13	0.17
16.80	0.15	5,347	201.13	0.16
16.90	0.15	5,341	201.12	0.16
17.00	0.14	5,336	201.12	0.16
17.10	0.14	5,331	201.12	0.15
17.20	0.14	5,325	201.12	0.15
17.30	0.13	5,320	201.12	0.15
17.40	0.13	5,314	201.12	0.15
17.50	0.13	5,309	201.12	0.14
17.60	0.13	5,304	201.12	0.14
17.70	0.12	5,299	201.12	0.14
17.80	0.12	5,294	201.11	0.14
17.90	0.12	5,288	201.11	0.13
18.00	0.12	5,283	201.11	0.13
18.10	0.11	5,278	201.11	0.13
18.20	0.11	5,273	201.11	0.12
18.30	0.11	5,269	201.11	0.12
18.40	0.11	5,265	201.11	0.12
18.50	0.11	5,261	201.11	0.12
18.60	0.11	5,258	201.11	0.12
18.70	0.11	5,256	201.11	0.12
18.80	0.11	5,253	201.11	0.11
18.90	0.11	5,251	201.11	0.11
19.00	0.11	5,249	201.11	0.11
19.10	0.11	5,247	201.10	0.11
19.20	0.11	5,245	201.10	0.11
19.30	0.10	5,243	201.10	0.11
19.40	0.10	5,242	201.10	0.11
19.50	0.10	5,240	201.10	0.11
19.60	0.10	5,239	201.10	0.11
19.70	0.10	5,237	201.10	0.11
19.80	0.10	5,236	201.10	0.11
19.90	0.10	5,234	201.10	0.10
20.00	0.10	5,233	201.10	0.10
20.10	0.10	5,232	201.10	0.10
20.20	0.10	5,230	201.10	0.10
20.30	0.10	5,229	201.10	0.10
20.40	0.10	5,227	201.10	0.10
20.50	0.10	5,226	201.10	0.10
20.60	0.10	5,225	201.10	0.10
20.70	0.10	5,224	201.10	0.10

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.09	5,222	201.10	0.10
20.90	0.09	5,221	201.10	0.10
21.00	0.09	5,219	201.10	0.10
21.10	0.09	5,218	201.10	0.10
21.20	0.09	5,216	201.10	0.10
21.30	0.09	5,214	201.10	0.10
21.40	0.09	5,213	201.10	0.10
21.50	0.09	5,211	201.10	0.09
21.60	0.09	5,209	201.10	0.09
21.70	0.09	5,208	201.10	0.09
21.80	0.09	5,206	201.10	0.09
21.90	0.09	5,204	201.10	0.09
22.00	0.09	5,202	201.10	0.09
22.10	0.09	5,201	201.10	0.09
22.20	0.09	5,199	201.09	0.09
22.30	0.08	5,197	201.09	0.09
22.40	0.08	5,195	201.09	0.09
22.50	0.08	5,193	201.09	0.09
22.60	0.08	5,191	201.09	0.09
22.70	0.08	5,190	201.09	0.09
22.80	0.08	5,188	201.09	0.09
22.90	0.08	5,186	201.09	0.09
23.00	0.08	5,184	201.09	0.08
23.10	0.08	5,182	201.09	0.08
23.20	0.08	5,180	201.09	0.08
23.30	0.08	5,178	201.09	0.08
23.40	0.08	5,176	201.09	0.08
23.50	0.08	5,174	201.09	0.08
23.60	0.08	5,172	201.09	0.08
23.70	0.08	5,170	201.09	0.08
23.80	0.07	5,169	201.09	0.08
23.90	0.07	5,167	201.09	0.08
24.00	0.09	5,167	201.09	0.08
24.10	0.01	5,156	201.09	0.08
24.20	0.00	5,132	201.08	0.07
24.30	0.00	5,110	201.08	0.06
24.40	0.00	5,090	201.07	0.05
24.50	0.00	5,072	201.07	0.05
24.60	0.00	5,057	201.06	0.04
24.70	0.00	5,043	201.06	0.04
24.80	0.00	5,031	201.06	0.03
24.90	0.00	5,021	201.06	0.03
25.00	0.00	5,012	201.06	0.02
25.10	0.00	5,004	201.05	0.02
25.20	0.00	4,996	201.05	0.02
25.30	0.00	4,990	201.05	0.02
25.40	0.00	4,985	201.05	0.01
25.50	0.00	4,979	201.05	0.01
25.60	0.00	4,974	201.05	0.01
25.70	0.00	4,970	201.05	0.01
25.80	0.00	4,965	201.05	0.01
25.90	0.00	4,961	201.04	0.01

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	4,957	201.04	0.01
26.10	0.00	4,954	201.04	0.01
26.20	0.00	4,950	201.04	0.01
26.30	0.00	4,947	201.04	0.01
26.40	0.00	4,944	201.04	0.01
26.50	0.00	4,941	201.04	0.01
26.60	0.00	4,938	201.04	0.01
26.70	0.00	4,936	201.04	0.01
26.80	0.00	4,933	201.04	0.01
26.90	0.00	4,931	201.04	0.01
27.00	0.00	4,929	201.04	0.01
27.10	0.00	4,927	201.04	0.01
27.20	0.00	4,925	201.04	0.01
27.30	0.00	4,923	201.04	0.00
27.40	0.00	4,921	201.04	0.00
27.50	0.00	4,919	201.04	0.00
27.60	0.00	4,918	201.04	0.00
27.70	0.00	4,916	201.04	0.00
27.80	0.00	4,915	201.03	0.00
27.90	0.00	4,914	201.03	0.00
28.00	0.00	4,912	201.03	0.00
28.10	0.00	4,911	201.03	0.00
28.20	0.00	4,910	201.03	0.00
28.30	0.00	4,909	201.03	0.00
28.40	0.00	4,908	201.03	0.00
28.50	0.00	4,907	201.03	0.00
28.60	0.00	4,906	201.03	0.00
28.70	0.00	4,905	201.03	0.00
28.80	0.00	4,905	201.03	0.00
28.90	0.00	4,904	201.03	0.00
29.00	0.00	4,903	201.03	0.00
29.10	0.00	4,903	201.03	0.00
29.20	0.00	4,902	201.03	0.00
29.30	0.00	4,901	201.03	0.00
29.40	0.00	4,901	201.03	0.00
29.50	0.00	4,900	201.03	0.00
29.60	0.00	4,900	201.03	0.00
29.70	0.00	4,899	201.03	0.00
29.80	0.00	4,899	201.03	0.00
29.90	0.00	4,899	201.03	0.00
30.00	0.00	4,898	201.03	0.00
30.10	0.00	4,898	201.03	0.00
30.20	0.00	4,897	201.03	0.00
30.30	0.00	4,897	201.03	0.00
30.40	0.00	4,897	201.03	0.00
30.50	0.00	4,896	201.03	0.00
30.60	0.00	4,896	201.03	0.00
30.70	0.00	4,896	201.03	0.00
30.80	0.00	4,896	201.03	0.00
30.90	0.00	4,895	201.03	0.00
31.00	0.00	4,895	201.03	0.00
31.10	0.00	4,895	201.03	0.00

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	4,895	201.03	0.00
31.30	0.00	4,895	201.03	0.00
31.40	0.00	4,894	201.03	0.00
31.50	0.00	4,894	201.03	0.00
31.60	0.00	4,894	201.03	0.00
31.70	0.00	4,894	201.03	0.00
31.80	0.00	4,894	201.03	0.00
31.90	0.00	4,894	201.03	0.00
32.00	0.00	4,894	201.03	0.00
32.10	0.00	4,893	201.03	0.00
32.20	0.00	4,893	201.03	0.00
32.30	0.00	4,893	201.03	0.00
32.40	0.00	4,893	201.03	0.00
32.50	0.00	4,893	201.03	0.00
32.60	0.00	4,893	201.03	0.00
32.70	0.00	4,893	201.03	0.00
32.80	0.00	4,893	201.03	0.00
32.90	0.00	4,893	201.03	0.00
33.00	0.00	4,893	201.03	0.00
33.10	0.00	4,893	201.03	0.00
33.20	0.00	4,893	201.03	0.00
33.30	0.00	4,892	201.03	0.00
33.40	0.00	4,892	201.03	0.00
33.50	0.00	4,892	201.03	0.00
33.60	0.00	4,892	201.03	0.00
33.70	0.00	4,892	201.03	0.00
33.80	0.00	4,892	201.03	0.00
33.90	0.00	4,892	201.03	0.00
34.00	0.00	4,892	201.03	0.00
34.10	0.00	4,892	201.03	0.00
34.20	0.00	4,892	201.03	0.00
34.30	0.00	4,892	201.03	0.00
34.40	0.00	4,892	201.03	0.00
34.50	0.00	4,892	201.03	0.00
34.60	0.00	4,892	201.03	0.00
34.70	0.00	4,892	201.03	0.00
34.80	0.00	4,892	201.03	0.00
34.90	0.00	4,892	201.03	0.00
35.00	0.00	4,892	201.03	0.00
35.10	0.00	4,892	201.03	0.00
35.20	0.00	4,892	201.03	0.00
35.30	0.00	4,892	201.03	0.00
35.40	0.00	4,892	201.03	0.00
35.50	0.00	4,892	201.03	0.00
35.60	0.00	4,892	201.03	0.00
35.70	0.00	4,892	201.03	0.00
35.80	0.00	4,892	201.03	0.00
35.90	0.00	4,892	201.03	0.00
36.00	0.00	4,892	201.03	0.00
36.10	0.00	4,892	201.03	0.00
36.20	0.00	4,892	201.03	0.00
36.30	0.00	4,892	201.03	0.00

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	4,892	201.03	0.00
36.50	0.00	4,892	201.03	0.00
36.60	0.00	4,892	201.03	0.00
36.70	0.00	4,892	201.03	0.00
36.80	0.00	4,892	201.03	0.00
36.90	0.00	4,892	201.03	0.00
37.00	0.00	4,892	201.03	0.00
37.10	0.00	4,892	201.03	0.00
37.20	0.00	4,892	201.03	0.00
37.30	0.00	4,892	201.03	0.00
37.40	0.00	4,892	201.03	0.00
37.50	0.00	4,892	201.03	0.00
37.60	0.00	4,892	201.03	0.00
37.70	0.00	4,892	201.03	0.00
37.80	0.00	4,892	201.03	0.00
37.90	0.00	4,892	201.03	0.00
38.00	0.00	4,892	201.03	0.00
38.10	0.00	4,892	201.03	0.00
38.20	0.00	4,892	201.03	0.00
38.30	0.00	4,892	201.03	0.00
38.40	0.00	4,892	201.03	0.00
38.50	0.00	4,892	201.03	0.00
38.60	0.00	4,892	201.03	0.00
38.70	0.00	4,892	201.03	0.00
38.80	0.00	4,892	201.03	0.00
38.90	0.00	4,892	201.03	0.00
39.00	0.00	4,892	201.03	0.00
39.10	0.00	4,892	201.03	0.00
39.20	0.00	4,892	201.03	0.00
39.30	0.00	4,892	201.03	0.00
39.40	0.00	4,892	201.03	0.00
39.50	0.00	4,891	201.03	0.00
39.60	0.00	4,891	201.03	0.00
39.70	0.00	4,891	201.03	0.00
39.80	0.00	4,891	201.03	0.00
39.90	0.00	4,891	201.03	0.00
40.00	0.00	4,891	201.03	0.00

Stage-Discharge for Pond B-53: Basin #53

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
200.00	0.00	200.52	0.00	201.04	0.01	201.56	1.60
200.01	0.00	200.53	0.00	201.05	0.02	201.57	1.62
200.02	0.00	200.54	0.00	201.06	0.03	201.58	1.64
200.03	0.00	200.55	0.00	201.07	0.04	201.59	1.66
200.04	0.00	200.56	0.00	201.08	0.06	201.60	1.69
200.05	0.00	200.57	0.00	201.09	0.08	201.61	1.71
200.06	0.00	200.58	0.00	201.10	0.10	201.62	1.73
200.07	0.00	200.59	0.00	201.11	0.12	201.63	1.75
200.08	0.00	200.60	0.00	201.12	0.14	201.64	1.77
200.09	0.00	200.61	0.00	201.13	0.17	201.65	1.79
200.10	0.00	200.62	0.00	201.14	0.20	201.66	1.81
200.11	0.00	200.63	0.00	201.15	0.22	201.67	1.83
200.12	0.00	200.64	0.00	201.16	0.25	201.68	1.85
200.13	0.00	200.65	0.00	201.17	0.28	201.69	1.87
200.14	0.00	200.66	0.00	201.18	0.31	201.70	1.89
200.15	0.00	200.67	0.00	201.19	0.34	201.71	1.91
200.16	0.00	200.68	0.00	201.20	0.37	201.72	1.93
200.17	0.00	200.69	0.00	201.21	0.41	201.73	1.95
200.18	0.00	200.70	0.00	201.22	0.44	201.74	1.96
200.19	0.00	200.71	0.00	201.23	0.48	201.75	1.98
200.20	0.00	200.72	0.00	201.24	0.51	201.76	2.00
200.21	0.00	200.73	0.00	201.25	0.55	201.77	2.02
200.22	0.00	200.74	0.00	201.26	0.59	201.78	2.04
200.23	0.00	200.75	0.00	201.27	0.63	201.79	2.05
200.24	0.00	200.76	0.00	201.28	0.67	201.80	2.07
200.25	0.00	200.77	0.00	201.29	0.71	201.81	2.09
200.26	0.00	200.78	0.00	201.30	0.75	201.82	2.11
200.27	0.00	200.79	0.00	201.31	0.79	201.83	2.12
200.28	0.00	200.80	0.00	201.32	0.84	201.84	2.14
200.29	0.00	200.81	0.00	201.33	0.88	201.85	2.16
200.30	0.00	200.82	0.00	201.34	0.92	201.86	2.17
200.31	0.00	200.83	0.00	201.35	0.97	201.87	2.19
200.32	0.00	200.84	0.00	201.36	1.01	201.88	2.21
200.33	0.00	200.85	0.00	201.37	1.06	201.89	2.22
200.34	0.00	200.86	0.00	201.38	1.10	201.90	2.24
200.35	0.00	200.87	0.00	201.39	1.13	201.91	2.25
200.36	0.00	200.88	0.00	201.40	1.17	201.92	2.27
200.37	0.00	200.89	0.00	201.41	1.20	201.93	2.29
200.38	0.00	200.90	0.00	201.42	1.23	201.94	2.30
200.39	0.00	200.91	0.00	201.43	1.26	201.95	2.32
200.40	0.00	200.92	0.00	201.44	1.29	201.96	2.33
200.41	0.00	200.93	0.00	201.45	1.32	201.97	2.35
200.42	0.00	200.94	0.00	201.46	1.35	201.98	2.36
200.43	0.00	200.95	0.00	201.47	1.38	201.99	2.38
200.44	0.00	200.96	0.00	201.48	1.40	202.00	2.39
200.45	0.00	200.97	0.00	201.49	1.43	202.01	2.41
200.46	0.00	200.98	0.00	201.50	1.45	202.02	2.42
200.47	0.00	200.99	0.00	201.51	1.48	202.03	2.44
200.48	0.00	201.00	0.00	201.52	1.50	202.04	2.45
200.49	0.00	201.01	0.00	201.53	1.53	202.05	2.47
200.50	0.00	201.02	0.00	201.54	1.55	202.06	2.48
200.51	0.00	201.03	0.00	201.55	1.57	202.07	2.50

Stage-Discharge for Pond B-53: Basin #53 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
202.08	2.51	202.60	5.91	203.12	8.79	203.64	10.78
202.09	2.52	202.61	6.00	203.13	8.83	203.65	10.81
202.10	2.54	202.62	6.08	203.14	8.88	203.66	10.85
202.11	2.56	202.63	6.15	203.15	8.92	203.67	10.88
202.12	2.59	202.64	6.23	203.16	8.96	203.68	10.91
202.13	2.62	202.65	6.30	203.17	9.00	203.69	10.95
202.14	2.66	202.66	6.37	203.18	9.05	203.70	10.98
202.15	2.70	202.67	6.44	203.19	9.09	203.71	11.02
202.16	2.74	202.68	6.51	203.20	9.13	203.72	11.05
202.17	2.78	202.69	6.57	203.21	9.17	203.73	11.08
202.18	2.82	202.70	6.64	203.22	9.21	203.74	11.12
202.19	2.87	202.71	6.70	203.23	9.25	203.75	11.15
202.20	2.92	202.72	6.76	203.24	9.29	203.76	11.18
202.21	2.97	202.73	6.83	203.25	9.33	203.77	11.21
202.22	3.03	202.74	6.89	203.26	9.37	203.78	11.25
202.23	3.08	202.75	6.95	203.27	9.41	203.79	11.28
202.24	3.14	202.76	7.01	203.28	9.45	203.80	11.31
202.25	3.19	202.77	7.06	203.29	9.49	203.81	11.34
202.26	3.25	202.78	7.12	203.30	9.53	203.82	11.38
202.27	3.31	202.79	7.18	203.31	9.57	203.83	11.41
202.28	3.37	202.80	7.24	203.32	9.61	203.84	11.44
202.29	3.44	202.81	7.29	203.33	9.65	203.85	11.47
202.30	3.50	202.82	7.35	203.34	9.69	203.86	11.51
202.31	3.57	202.83	7.40	203.35	9.73	203.87	11.54
202.32	3.63	202.84	7.45	203.36	9.77	203.88	11.57
202.33	3.70	202.85	7.51	203.37	9.80	203.89	11.60
202.34	3.77	202.86	7.56	203.38	9.84	203.90	11.63
202.35	3.84	202.87	7.61	203.39	9.88	203.91	11.66
202.36	3.91	202.88	7.66	203.40	9.92	203.92	11.70
202.37	3.98	202.89	7.72	203.41	9.95	203.93	11.73
202.38	4.06	202.90	7.77	203.42	9.99	203.94	11.76
202.39	4.13	202.91	7.82	203.43	10.03	203.95	11.79
202.40	4.21	202.92	7.87	203.44	10.07	203.96	11.82
202.41	4.28	202.93	7.92	203.45	10.10	203.97	11.85
202.42	4.36	202.94	7.96	203.46	10.14	203.98	11.88
202.43	4.44	202.95	8.01	203.47	10.18	203.99	11.91
202.44	4.52	202.96	8.06	203.48	10.21	204.00	11.94
202.45	4.60	202.97	8.11	203.49	10.25	204.01	11.99
202.46	4.68	202.98	8.16	203.50	10.29	204.02	12.04
202.47	4.76	202.99	8.20	203.51	10.32	204.03	12.10
202.48	4.85	203.00	8.25	203.52	10.36	204.04	12.17
202.49	4.93	203.01	8.30	203.53	10.39	204.05	12.24
202.50	5.01	203.02	8.34	203.54	10.43	204.06	12.32
202.51	5.10	203.03	8.39	203.55	10.46	204.07	12.40
202.52	5.19	203.04	8.44	203.56	10.50	204.08	12.48
202.53	5.27	203.05	8.48	203.57	10.54	204.09	12.57
202.54	5.36	203.06	8.53	203.58	10.57	204.10	12.66
202.55	5.45	203.07	8.57	203.59	10.61	204.11	12.75
202.56	5.54	203.08	8.62	203.60	10.64	204.12	12.85
202.57	5.63	203.09	8.66	203.61	10.67	204.13	12.95
202.58	5.72	203.10	8.70	203.62	10.71	204.14	13.05
202.59	5.82	203.11	8.75	203.63	10.74	204.15	13.15

Stage-Discharge for Pond B-53: Basin #53 (continued)

Elevation (feet)	Primary (cfs)
204.16	13.26
204.17	13.36
204.18	13.47
204.19	13.59
204.20	13.70
204.21	13.82
204.22	13.94
204.23	14.06
204.24	14.18
204.25	14.30
204.26	14.43
204.27	14.56
204.28	14.68
204.29	14.82
204.30	14.95
204.31	15.08
204.32	15.22
204.33	15.35
204.34	15.49
204.35	15.63
204.36	15.77
204.37	15.92
204.38	16.06
204.39	16.21
204.40	16.36
204.41	16.50
204.42	16.65
204.43	16.80
204.44	16.96
204.45	17.11
204.46	17.27
204.47	17.42
204.48	17.58
204.49	17.74
204.50	17.90
204.51	18.17
204.52	18.55
204.53	18.99
204.54	19.48
204.55	20.02
204.56	20.60
204.57	21.22
204.58	21.87
204.59	22.56
204.60	23.27
204.61	24.02
204.62	24.79
204.63	25.59
204.64	26.42
204.65	27.27
204.66	28.14
204.67	29.04
204.68	29.97
204.69	30.91
204.70	31.88
204.71	32.91
204.72	33.96
204.73	35.04
204.74	36.15
204.75	37.28
204.76	38.44
204.77	39.63
204.78	40.84
204.79	42.07
204.80	43.33
204.81	44.62
204.82	45.93
204.83	47.27
204.84	48.63
204.85	50.02
204.86	51.43
204.87	52.87
204.88	54.33
204.89	55.82
204.90	57.33
204.91	58.89
204.92	60.48
204.93	62.10
204.94	63.74
204.95	65.42
204.96	67.11
204.97	68.84
204.98	70.59
204.99	72.37
205.00	**74.18**

Stage-Area-Storage for Pond B-53: Basin #53

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
200.00	**4,749**	0	200.52	4,749	2,469
200.01	4,749	47	200.53	4,749	2,517
200.02	4,749	95	200.54	4,749	2,564
200.03	4,749	142	200.55	4,749	2,612
200.04	4,749	190	200.56	4,749	2,659
200.05	4,749	237	200.57	4,749	2,707
200.06	4,749	285	200.58	4,749	2,754
200.07	4,749	332	200.59	4,749	2,802
200.08	4,749	380	200.60	4,749	2,849
200.09	4,749	427	200.61	4,749	2,897
200.10	4,749	475	200.62	4,749	2,944
200.11	4,749	522	200.63	4,749	2,992
200.12	4,749	570	200.64	4,749	3,039
200.13	4,749	617	200.65	4,749	3,087
200.14	4,749	665	200.66	4,749	3,134
200.15	4,749	712	200.67	4,749	3,182
200.16	4,749	760	200.68	4,749	3,229
200.17	4,749	807	200.69	4,749	3,277
200.18	4,749	855	200.70	4,749	3,324
200.19	4,749	902	200.71	4,749	3,372
200.20	4,749	950	200.72	4,749	3,419
200.21	4,749	997	200.73	4,749	3,467
200.22	4,749	1,045	200.74	4,749	3,514
200.23	4,749	1,092	200.75	4,749	3,562
200.24	4,749	1,140	200.76	4,749	3,609
200.25	4,749	1,187	200.77	4,749	3,657
200.26	4,749	1,235	200.78	4,749	3,704
200.27	4,749	1,282	200.79	4,749	3,752
200.28	4,749	1,330	200.80	4,749	3,799
200.29	4,749	1,377	200.81	4,749	3,847
200.30	4,749	1,425	200.82	4,749	3,894
200.31	4,749	1,472	200.83	4,749	3,942
200.32	4,749	1,520	200.84	4,749	3,989
200.33	4,749	1,567	200.85	4,749	4,037
200.34	4,749	1,615	200.86	4,749	4,084
200.35	4,749	1,662	200.87	4,749	4,132
200.36	4,749	1,710	200.88	4,749	4,179
200.37	4,749	1,757	200.89	4,749	4,227
200.38	4,749	1,805	200.90	4,749	4,274
200.39	4,749	1,852	200.91	4,749	4,322
200.40	4,749	1,900	200.92	4,749	4,369
200.41	4,749	1,947	200.93	4,749	4,417
200.42	4,749	1,995	200.94	4,749	4,464
200.43	4,749	2,042	200.95	4,749	4,512
200.44	4,749	2,090	200.96	4,749	4,559
200.45	4,749	2,137	200.97	4,749	4,607
200.46	4,749	2,185	200.98	4,749	4,654
200.47	4,749	2,232	200.99	4,749	4,702
200.48	4,749	2,280	201.00	4,749	4,749
200.49	4,749	2,327	201.01	4,749	4,796
200.50	4,749	2,375	201.02	4,749	4,844
200.51	4,749	2,422	201.03	4,749	4,891

Stage-Area-Storage for Pond B-53: Basin #53 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
201.04	4,749	4,939	201.56	4,749	7,408
201.05	4,749	4,986	201.57	4,749	7,456
201.06	4,749	5,034	201.58	4,749	7,503
201.07	4,749	5,081	201.59	4,749	7,551
201.08	4,749	5,129	201.60	4,749	7,598
201.09	4,749	5,176	201.61	4,749	7,646
201.10	4,749	5,224	201.62	4,749	7,693
201.11	4,749	5,271	201.63	4,749	7,741
201.12	4,749	5,319	201.64	4,749	7,788
201.13	4,749	5,366	201.65	4,749	7,836
201.14	4,749	5,414	201.66	4,749	7,883
201.15	4,749	5,461	201.67	4,749	7,931
201.16	4,749	5,509	201.68	4,749	7,978
201.17	4,749	5,556	201.69	4,749	8,026
201.18	4,749	5,604	201.70	4,749	8,073
201.19	4,749	5,651	201.71	4,749	8,121
201.20	4,749	5,699	201.72	4,749	8,168
201.21	4,749	5,746	201.73	4,749	8,216
201.22	4,749	5,794	201.74	4,749	8,263
201.23	4,749	5,841	201.75	4,749	8,311
201.24	4,749	5,889	201.76	4,749	8,358
201.25	4,749	5,936	201.77	4,749	8,406
201.26	4,749	5,984	201.78	4,749	8,453
201.27	4,749	6,031	201.79	4,749	8,501
201.28	4,749	6,079	201.80	4,749	8,548
201.29	4,749	6,126	201.81	4,749	8,596
201.30	4,749	6,174	201.82	4,749	8,643
201.31	4,749	6,221	201.83	4,749	8,691
201.32	4,749	6,269	201.84	4,749	8,738
201.33	4,749	6,316	201.85	4,749	8,786
201.34	4,749	6,364	201.86	4,749	8,833
201.35	4,749	6,411	201.87	4,749	8,881
201.36	4,749	6,459	201.88	4,749	8,928
201.37	4,749	6,506	201.89	4,749	8,976
201.38	4,749	6,554	201.90	4,749	9,023
201.39	4,749	6,601	201.91	4,749	9,071
201.40	4,749	6,649	201.92	4,749	9,118
201.41	4,749	6,696	201.93	4,749	9,166
201.42	4,749	6,744	201.94	4,749	9,213
201.43	4,749	6,791	201.95	4,749	9,261
201.44	4,749	6,839	201.96	4,749	9,308
201.45	4,749	6,886	201.97	4,749	9,356
201.46	4,749	6,934	201.98	4,749	9,403
201.47	4,749	6,981	201.99	4,749	9,451
201.48	4,749	7,029	202.00	4,749	9,498
201.49	4,749	7,076	202.01	4,749	9,545
201.50	4,749	7,124	202.02	4,749	9,593
201.51	4,749	7,171	202.03	4,749	9,640
201.52	4,749	7,218	202.04	4,749	9,688
201.53	4,749	7,266	202.05	4,749	9,735
201.54	4,749	7,313	202.06	4,749	9,783
201.55	4,749	7,361	202.07	4,749	9,830

Stage-Area-Storage for Pond B-53: Basin #53 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
202.08	4,749	9,878	202.60	4,749	12,347
202.09	4,749	9,925	202.61	4,749	12,395
202.10	4,749	9,973	202.62	4,749	12,442
202.11	4,749	10,020	202.63	4,749	12,490
202.12	4,749	10,068	202.64	4,749	12,537
202.13	4,749	10,115	202.65	4,749	12,585
202.14	4,749	10,163	202.66	4,749	12,632
202.15	4,749	10,210	202.67	4,749	12,680
202.16	4,749	10,258	202.68	4,749	12,727
202.17	4,749	10,305	202.69	4,749	12,775
202.18	4,749	10,353	202.70	4,749	12,822
202.19	4,749	10,400	202.71	4,749	12,870
202.20	4,749	10,448	202.72	4,749	12,917
202.21	4,749	10,495	202.73	4,749	12,965
202.22	4,749	10,543	202.74	4,749	13,012
202.23	4,749	10,590	202.75	4,749	13,060
202.24	4,749	10,638	202.76	4,749	13,107
202.25	4,749	10,685	202.77	4,749	13,155
202.26	4,749	10,733	202.78	4,749	13,202
202.27	4,749	10,780	202.79	4,749	13,250
202.28	4,749	10,828	202.80	4,749	13,297
202.29	4,749	10,875	202.81	4,749	13,345
202.30	4,749	10,923	202.82	4,749	13,392
202.31	4,749	10,970	202.83	4,749	13,440
202.32	4,749	11,018	202.84	4,749	13,487
202.33	4,749	11,065	202.85	4,749	13,535
202.34	4,749	11,113	202.86	4,749	13,582
202.35	4,749	11,160	202.87	4,749	13,630
202.36	4,749	11,208	202.88	4,749	13,677
202.37	4,749	11,255	202.89	4,749	13,725
202.38	4,749	11,303	202.90	4,749	13,772
202.39	4,749	11,350	202.91	4,749	13,820
202.40	4,749	11,398	202.92	4,749	13,867
202.41	4,749	11,445	202.93	4,749	13,915
202.42	4,749	11,493	202.94	4,749	13,962
202.43	4,749	11,540	202.95	4,749	14,010
202.44	4,749	11,588	202.96	4,749	14,057
202.45	4,749	11,635	202.97	4,749	14,105
202.46	4,749	11,683	202.98	4,749	14,152
202.47	4,749	11,730	202.99	4,749	14,200
202.48	4,749	11,778	203.00	4,749	14,247
202.49	4,749	11,825	203.01	4,749	14,294
202.50	4,749	11,873	203.02	4,749	14,342
202.51	4,749	11,920	203.03	4,749	14,389
202.52	4,749	11,967	203.04	4,749	14,437
202.53	4,749	12,015	203.05	4,749	14,484
202.54	4,749	12,062	203.06	4,749	14,532
202.55	4,749	12,110	203.07	4,749	14,579
202.56	4,749	12,157	203.08	4,749	14,627
202.57	4,749	12,205	203.09	4,749	14,674
202.58	4,749	12,252	203.10	4,749	14,722
202.59	4,749	12,300	203.11	4,749	14,769

Stage-Area-Storage for Pond B-53: Basin #53 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
203.12	4,749	14,817	203.64	4,749	17,286
203.13	4,749	14,864	203.65	4,749	17,334
203.14	4,749	14,912	203.66	4,749	17,381
203.15	4,749	14,959	203.67	4,749	17,429
203.16	4,749	15,007	203.68	4,749	17,476
203.17	4,749	15,054	203.69	4,749	17,524
203.18	4,749	15,102	203.70	4,749	17,571
203.19	4,749	15,149	203.71	4,749	17,619
203.20	4,749	15,197	203.72	4,749	17,666
203.21	4,749	15,244	203.73	4,749	17,714
203.22	4,749	15,292	203.74	4,749	17,761
203.23	4,749	15,339	203.75	4,749	17,809
203.24	4,749	15,387	203.76	4,749	17,856
203.25	4,749	15,434	203.77	4,749	17,904
203.26	4,749	15,482	203.78	4,749	17,951
203.27	4,749	15,529	203.79	4,749	17,999
203.28	4,749	15,577	203.80	4,749	18,046
203.29	4,749	15,624	203.81	4,749	18,094
203.30	4,749	15,672	203.82	4,749	18,141
203.31	4,749	15,719	203.83	4,749	18,189
203.32	4,749	15,767	203.84	4,749	18,236
203.33	4,749	15,814	203.85	4,749	18,284
203.34	4,749	15,862	203.86	4,749	18,331
203.35	4,749	15,909	203.87	4,749	18,379
203.36	4,749	15,957	203.88	4,749	18,426
203.37	4,749	16,004	203.89	4,749	18,474
203.38	4,749	16,052	203.90	4,749	18,521
203.39	4,749	16,099	203.91	4,749	18,569
203.40	4,749	16,147	203.92	4,749	18,616
203.41	4,749	16,194	203.93	4,749	18,664
203.42	4,749	16,242	203.94	4,749	18,711
203.43	4,749	16,289	203.95	4,749	18,759
203.44	4,749	16,337	203.96	4,749	18,806
203.45	4,749	16,384	203.97	4,749	18,854
203.46	4,749	16,432	203.98	4,749	18,901
203.47	4,749	16,479	203.99	4,749	18,949
203.48	4,749	16,527	204.00	4,749	18,996
203.49	4,749	16,574	204.01	4,749	19,043
203.50	4,749	16,622	204.02	4,749	19,091
203.51	4,749	16,669	204.03	4,749	19,138
203.52	4,749	16,716	204.04	4,749	19,186
203.53	4,749	16,764	204.05	4,749	19,233
203.54	4,749	16,811	204.06	4,749	19,281
203.55	4,749	16,859	204.07	4,749	19,328
203.56	4,749	16,906	204.08	4,749	19,376
203.57	4,749	16,954	204.09	4,749	19,423
203.58	4,749	17,001	204.10	4,749	19,471
203.59	4,749	17,049	204.11	4,749	19,518
203.60	4,749	17,096	204.12	4,749	19,566
203.61	4,749	17,144	204.13	4,749	19,613
203.62	4,749	17,191	204.14	4,749	19,661
203.63	4,749	17,239	204.15	4,749	19,708

Stage-Area-Storage for Pond B-53: Basin #53 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
204.16	4,749	19,756
204.17	4,749	19,803
204.18	4,749	19,851
204.19	4,749	19,898
204.20	4,749	19,946
204.21	4,749	19,993
204.22	4,749	20,041
204.23	4,749	20,088
204.24	4,749	20,136
204.25	4,749	20,183
204.26	4,749	20,231
204.27	4,749	20,278
204.28	4,749	20,326
204.29	4,749	20,373
204.30	4,749	20,421
204.31	4,749	20,468
204.32	4,749	20,516
204.33	4,749	20,563
204.34	4,749	20,611
204.35	4,749	20,658
204.36	4,749	20,706
204.37	4,749	20,753
204.38	4,749	20,801
204.39	4,749	20,848
204.40	4,749	20,896
204.41	4,749	20,943
204.42	4,749	20,991
204.43	4,749	21,038
204.44	4,749	21,086
204.45	4,749	21,133
204.46	4,749	21,181
204.47	4,749	21,228
204.48	4,749	21,276
204.49	4,749	21,323
204.50	4,749	21,371
204.51	4,749	21,418
204.52	4,749	21,465
204.53	4,749	21,513
204.54	4,749	21,560
204.55	4,749	21,608
204.56	4,749	21,655
204.57	4,749	21,703
204.58	4,749	21,750
204.59	4,749	21,798
204.60	4,749	21,845
204.61	4,749	21,893
204.62	4,749	21,940
204.63	4,749	21,988
204.64	4,749	22,035
204.65	4,749	22,083
204.66	4,749	22,130
204.67	4,749	22,178
204.68	4,749	22,225
204.69	4,749	22,273
204.70	4,749	22,320
204.71	4,749	22,368
204.72	4,749	22,415
204.73	4,749	22,463
204.74	4,749	22,510
204.75	4,749	22,558
204.76	4,749	22,605
204.77	4,749	22,653
204.78	4,749	22,700
204.79	4,749	22,748
204.80	4,749	22,795
204.81	4,749	22,843
204.82	4,749	22,890
204.83	4,749	22,938
204.84	4,749	22,985
204.85	4,749	23,033
204.86	4,749	23,080
204.87	4,749	23,128
204.88	4,749	23,175
204.89	4,749	23,223
204.90	4,749	23,270
204.91	4,749	23,318
204.92	4,749	23,365
204.93	4,749	23,413
204.94	4,749	23,460
204.95	4,749	23,508
204.96	4,749	23,555
204.97	4,749	23,603
204.98	4,749	23,650
204.99	4,749	23,698
205.00	4,749	**23,745**

Summary for Pond B-54: Basin #54

Inflow Area = 2.570 ac, 60.47% Impervious, Inflow Depth = 2.33" for Current 2 yr event
Inflow = 6.96 cfs @ 12.09 hrs, Volume= 0.500 af
Outflow = 2.48 cfs @ 12.27 hrs, Volume= 0.360 af, Atten= 64%, Lag= 11.1 min
Primary = 2.48 cfs @ 12.27 hrs, Volume= 0.360 af
Routed to Pond B-51 : Basin #51

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 199.96' @ 12.27 hrs Surf.Area= 5,114 sf Storage= 10,020 cf

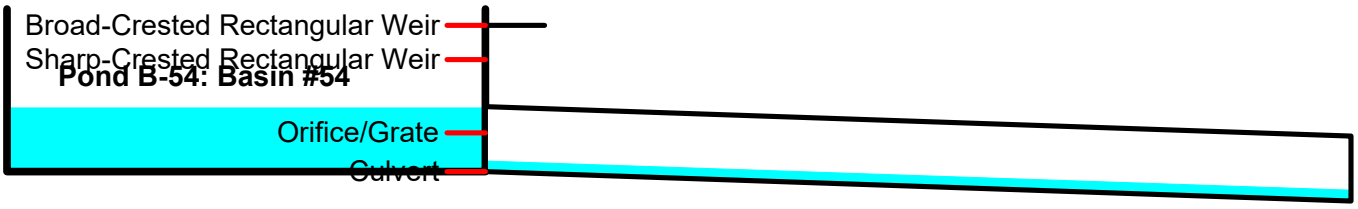
Plug-Flow detention time= 205.5 min calculated for 0.360 af (72% of inflow)
Center-of-Mass det. time= 107.6 min (882.6 - 775.0)

Volume	Invert	Avail.Storage	Storage Description
#1	198.00'	25,570 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

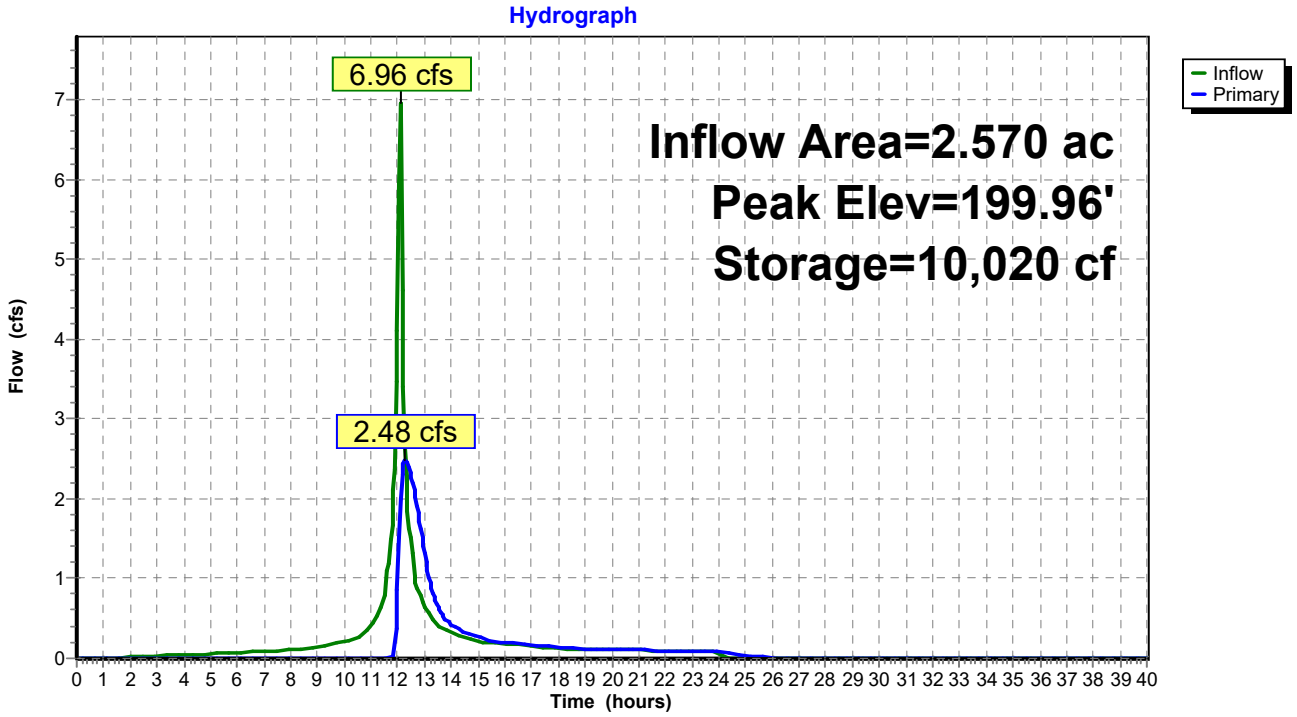
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
198.00	5,114	0	0
199.00	5,114	5,114	5,114
200.00	5,114	5,114	10,228
201.00	5,114	5,114	15,342
202.00	5,114	5,114	20,456
203.00	5,114	5,114	25,570

Device	Routing	Invert	Outlet Devices
#1	Primary	198.00'	**24.0" Round Culvert** L= 73.0' Ke= 0.500 Inlet / Outlet Invert= 198.00' / 197.10' S= 0.0123 '/' Cc= 0.900 n= 0.013, Flow Area= 3.14 sf
#2	Device 1	199.19'	**24.0" W x 4.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	201.45'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	202.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=2.48 cfs @ 12.27 hrs HW=199.96' (Free Discharge)
- **1=Culvert** (Passes 2.48 cfs of 14.88 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 2.48 cfs @ 3.72 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-54: Basin #54



Hydrograph for Pond B-54: Basin #54

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	198.00	0.00
0.10	0.00	0	198.00	0.00
0.20	0.00	0	198.00	0.00
0.30	0.00	0	198.00	0.00
0.40	0.00	0	198.00	0.00
0.50	0.00	0	198.00	0.00
0.60	0.00	0	198.00	0.00
0.70	0.00	0	198.00	0.00
0.80	0.00	0	198.00	0.00
0.90	0.00	0	198.00	0.00
1.00	0.00	0	198.00	0.00
1.10	0.00	0	198.00	0.00
1.20	0.00	0	198.00	0.00
1.30	0.00	1	198.00	0.00
1.40	0.01	2	198.00	0.00
1.50	0.01	5	198.00	0.00
1.60	0.01	8	198.00	0.00
1.70	0.01	11	198.00	0.00
1.80	0.01	16	198.00	0.00
1.90	0.01	21	198.00	0.00
2.00	0.02	26	198.01	0.00
2.10	0.02	33	198.01	0.00
2.20	0.02	40	198.01	0.00
2.30	0.02	47	198.01	0.00
2.40	0.02	55	198.01	0.00
2.50	0.02	64	198.01	0.00
2.60	0.03	73	198.01	0.00
2.70	0.03	83	198.02	0.00
2.80	0.03	93	198.02	0.00
2.90	0.03	104	198.02	0.00
3.00	0.03	115	198.02	0.00
3.10	0.03	127	198.02	0.00
3.20	0.03	139	198.03	0.00
3.30	0.04	152	198.03	0.00
3.40	0.04	166	198.03	0.00
3.50	0.04	179	198.04	0.00
3.60	0.04	194	198.04	0.00
3.70	0.04	208	198.04	0.00
3.80	0.04	223	198.04	0.00
3.90	0.04	239	198.05	0.00
4.00	0.04	255	198.05	0.00
4.10	0.05	271	198.05	0.00
4.20	0.05	288	198.06	0.00
4.30	0.05	305	198.06	0.00
4.40	0.05	323	198.06	0.00
4.50	0.05	341	198.07	0.00
4.60	0.05	359	198.07	0.00
4.70	0.05	378	198.07	0.00
4.80	0.05	397	198.08	0.00
4.90	0.05	417	198.08	0.00
5.00	0.06	437	198.09	0.00
5.10	0.06	457	198.09	0.00

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.06	477	198.09	0.00
5.30	0.06	498	198.10	0.00
5.40	0.06	520	198.10	0.00
5.50	0.06	541	198.11	0.00
5.60	0.06	563	198.11	0.00
5.70	0.06	586	198.11	0.00
5.80	0.06	608	198.12	0.00
5.90	0.06	631	198.12	0.00
6.00	0.07	655	198.13	0.00
6.10	0.07	679	198.13	0.00
6.20	0.07	703	198.14	0.00
6.30	0.07	729	198.14	0.00
6.40	0.07	755	198.15	0.00
6.50	0.08	782	198.15	0.00
6.60	0.08	810	198.16	0.00
6.70	0.08	838	198.16	0.00
6.80	0.08	868	198.17	0.00
6.90	0.08	898	198.18	0.00
7.00	0.09	929	198.18	0.00
7.10	0.09	960	198.19	0.00
7.20	0.09	993	198.19	0.00
7.30	0.09	1,026	198.20	0.00
7.40	0.10	1,061	198.21	0.00
7.50	0.10	1,096	198.21	0.00
7.60	0.10	1,131	198.22	0.00
7.70	0.10	1,168	198.23	0.00
7.80	0.10	1,205	198.24	0.00
7.90	0.11	1,244	198.24	0.00
8.00	0.11	1,283	198.25	0.00
8.10	0.11	1,323	198.26	0.00
8.20	0.11	1,364	198.27	0.00
8.30	0.12	1,405	198.27	0.00
8.40	0.12	1,447	198.28	0.00
8.50	0.12	1,491	198.29	0.00
8.60	0.12	1,535	198.30	0.00
8.70	0.13	1,580	198.31	0.00
8.80	0.13	1,625	198.32	0.00
8.90	0.13	1,672	198.33	0.00
9.00	0.13	1,719	198.34	0.00
9.10	0.14	1,769	198.35	0.00
9.20	0.15	1,821	198.36	0.00
9.30	0.16	1,876	198.37	0.00
9.40	0.16	1,933	198.38	0.00
9.50	0.17	1,993	198.39	0.00
9.60	0.18	2,057	198.40	0.00
9.70	0.19	2,123	198.42	0.00
9.80	0.19	2,191	198.43	0.00
9.90	0.20	2,263	198.44	0.00
10.00	0.21	2,337	198.46	0.00
10.10	0.22	2,414	198.47	0.00
10.20	0.23	2,495	198.49	0.00
10.30	0.23	2,578	198.50	0.00

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.24	2,664	198.52	0.00
10.50	0.25	2,752	198.54	0.00
10.60	0.28	2,849	198.56	0.00
10.70	0.31	2,955	198.58	0.00
10.80	0.34	3,073	198.60	0.00
10.90	0.37	3,203	198.63	0.00
11.00	0.41	3,344	198.65	0.00
11.10	0.47	3,503	198.68	0.00
11.20	0.53	3,684	198.72	0.00
11.30	0.59	3,888	198.76	0.00
11.40	0.66	4,114	198.80	0.00
11.50	0.72	4,363	198.85	0.00
11.60	1.10	4,702	198.92	0.00
11.70	1.21	5,119	199.00	0.00
11.80	1.66	5,647	199.10	0.00
11.90	2.37	6,379	199.25	0.09
12.00	4.11	7,431	199.45	0.87
12.10	**6.88**	8,963	199.75	2.00
12.20	3.40	**9,903**	**199.94**	**2.44**
12.30	2.27	**10,006**	**199.96**	**2.48**
12.40	1.63	9,812	199.92	2.40
12.50	1.45	9,522	199.86	2.27
12.60	1.02	9,168	199.79	2.11
12.70	0.90	8,787	199.72	1.91
12.80	0.81	8,440	199.65	1.71
12.90	0.74	8,136	199.59	1.51
13.00	0.66	7,877	199.54	1.31
13.10	0.59	7,666	199.50	1.10
13.20	0.54	7,502	199.47	0.94
13.30	0.50	7,373	199.44	0.81
13.40	0.46	7,269	199.42	0.72
13.50	0.42	7,182	199.40	0.64
13.60	0.38	7,106	199.39	0.57
13.70	0.36	7,041	199.38	0.52
13.80	0.35	6,988	199.37	0.48
13.90	0.34	6,945	199.36	0.44
14.00	0.33	6,909	199.35	0.42
14.10	0.32	6,879	199.35	0.39
14.20	0.31	6,852	199.34	0.38
14.30	0.29	6,828	199.34	0.36
14.40	0.28	6,806	199.33	0.34
14.50	0.27	6,785	199.33	0.33
14.60	0.26	6,765	199.32	0.32
14.70	0.25	6,746	199.32	0.30
14.80	0.24	6,728	199.32	0.29
14.90	0.23	6,711	199.31	0.28
15.00	0.22	6,694	199.31	0.27
15.10	0.21	6,677	199.31	0.25
15.20	0.20	6,662	199.30	0.24
15.30	0.20	6,648	199.30	0.23
15.40	0.20	6,637	199.30	0.23
15.50	0.20	6,627	199.30	0.22

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.19	6,617	199.29	0.22
15.70	0.19	6,609	199.29	0.21
15.80	0.19	6,600	199.29	0.21
15.90	0.18	6,593	199.29	0.20
16.00	0.18	6,586	199.29	0.20
16.10	0.18	6,579	199.29	0.20
16.20	0.18	6,573	199.29	0.19
16.30	0.17	6,566	199.28	0.19
16.40	0.17	6,560	199.28	0.19
16.50	0.17	6,554	199.28	0.18
16.60	0.16	6,549	199.28	0.18
16.70	0.16	6,543	199.28	0.18
16.80	0.16	6,537	199.28	0.17
16.90	0.16	6,532	199.28	0.17
17.00	0.15	6,526	199.28	0.17
17.10	0.15	6,521	199.28	0.16
17.20	0.15	6,515	199.27	0.16
17.30	0.14	6,510	199.27	0.16
17.40	0.14	6,505	199.27	0.16
17.50	0.14	6,499	199.27	0.15
17.60	0.14	6,494	199.27	0.15
17.70	0.13	6,489	199.27	0.15
17.80	0.13	6,483	199.27	0.14
17.90	0.13	6,478	199.27	0.14
18.00	0.12	6,473	199.27	0.14
18.10	0.12	6,467	199.26	0.14
18.20	0.12	6,462	199.26	0.13
18.30	0.12	6,458	199.26	0.13
18.40	0.12	6,454	199.26	0.13
18.50	0.12	6,450	199.26	0.13
18.60	0.12	6,447	199.26	0.12
18.70	0.12	6,445	199.26	0.12
18.80	0.12	6,442	199.26	0.12
18.90	0.11	6,440	199.26	0.12
19.00	0.11	6,438	199.26	0.12
19.10	0.11	6,436	199.26	0.12
19.20	0.11	6,434	199.26	0.12
19.30	0.11	6,432	199.26	0.12
19.40	0.11	6,431	199.26	0.12
19.50	0.11	6,429	199.26	0.11
19.60	0.11	6,427	199.26	0.11
19.70	0.11	6,426	199.26	0.11
19.80	0.11	6,425	199.26	0.11
19.90	0.11	6,423	199.26	0.11
20.00	0.11	6,422	199.26	0.11
20.10	0.11	6,420	199.26	0.11
20.20	0.10	6,419	199.26	0.11
20.30	0.10	6,418	199.25	0.11
20.40	0.10	6,416	199.25	0.11
20.50	0.10	6,415	199.25	0.11
20.60	0.10	6,414	199.25	0.11
20.70	0.10	6,412	199.25	0.11

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.10	6,411	199.25	0.10
20.90	0.10	6,410	199.25	0.10
21.00	0.10	6,408	199.25	0.10
21.10	0.10	6,407	199.25	0.10
21.20	0.10	6,405	199.25	0.10
21.30	0.10	6,404	199.25	0.10
21.40	0.10	6,403	199.25	0.10
21.50	0.10	6,402	199.25	0.10
21.60	0.09	6,400	199.25	0.10
21.70	0.09	6,399	199.25	0.10
21.80	0.09	6,398	199.25	0.10
21.90	0.09	6,396	199.25	0.10
22.00	0.09	6,395	199.25	0.10
22.10	0.09	6,394	199.25	0.09
22.20	0.09	6,392	199.25	0.09
22.30	0.09	6,391	199.25	0.09
22.40	0.09	6,389	199.25	0.09
22.50	0.09	6,388	199.25	0.09
22.60	0.09	6,386	199.25	0.09
22.70	0.09	6,385	199.25	0.09
22.80	0.09	6,383	199.25	0.09
22.90	0.09	6,381	199.25	0.09
23.00	0.09	6,379	199.25	0.09
23.10	0.08	6,377	199.25	0.09
23.20	0.08	6,376	199.25	0.09
23.30	0.08	6,374	199.25	0.09
23.40	0.08	6,372	199.25	0.09
23.50	0.08	6,370	199.25	0.09
23.60	0.08	6,368	199.25	0.09
23.70	0.08	6,366	199.24	0.09
23.80	0.08	6,364	199.24	0.08
23.90	0.08	6,362	199.24	0.08
24.00	0.09	6,362	199.24	0.08
24.10	0.02	6,351	199.24	0.08
24.20	0.00	6,328	199.24	0.07
24.30	0.00	6,304	199.23	0.06
24.40	0.00	6,283	199.23	0.06
24.50	0.00	6,264	199.22	0.05
24.60	0.00	6,247	199.22	0.04
24.70	0.00	6,232	199.22	0.04
24.80	0.00	6,218	199.22	0.03
24.90	0.00	6,207	199.21	0.03
25.00	0.00	6,196	199.21	0.03
25.10	0.00	6,187	199.21	0.02
25.20	0.00	6,179	199.21	0.02
25.30	0.00	6,172	199.21	0.02
25.40	0.00	6,166	199.21	0.02
25.50	0.00	6,160	199.20	0.01
25.60	0.00	6,155	199.20	0.01
25.70	0.00	6,151	199.20	0.01
25.80	0.00	6,147	199.20	0.01
25.90	0.00	6,144	199.20	0.01

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	6,141	199.20	0.01
26.10	0.00	6,138	199.20	0.01
26.20	0.00	6,136	199.20	0.01
26.30	0.00	6,134	199.20	0.01
26.40	0.00	6,131	199.20	0.01
26.50	0.00	6,129	199.20	0.01
26.60	0.00	6,128	199.20	0.01
26.70	0.00	6,126	199.20	0.01
26.80	0.00	6,124	199.20	0.00
26.90	0.00	6,122	199.20	0.00
27.00	0.00	6,121	199.20	0.00
27.10	0.00	6,119	199.20	0.00
27.20	0.00	6,118	199.20	0.00
27.30	0.00	6,116	199.20	0.00
27.40	0.00	6,115	199.20	0.00
27.50	0.00	6,114	199.20	0.00
27.60	0.00	6,112	199.20	0.00
27.70	0.00	6,111	199.19	0.00
27.80	0.00	6,110	199.19	0.00
27.90	0.00	6,109	199.19	0.00
28.00	0.00	6,108	199.19	0.00
28.10	0.00	6,107	199.19	0.00
28.20	0.00	6,106	199.19	0.00
28.30	0.00	6,105	199.19	0.00
28.40	0.00	6,104	199.19	0.00
28.50	0.00	6,103	199.19	0.00
28.60	0.00	6,103	199.19	0.00
28.70	0.00	6,102	199.19	0.00
28.80	0.00	6,101	199.19	0.00
28.90	0.00	6,100	199.19	0.00
29.00	0.00	6,100	199.19	0.00
29.10	0.00	6,099	199.19	0.00
29.20	0.00	6,099	199.19	0.00
29.30	0.00	6,098	199.19	0.00
29.40	0.00	6,097	199.19	0.00
29.50	0.00	6,097	199.19	0.00
29.60	0.00	6,096	199.19	0.00
29.70	0.00	6,096	199.19	0.00
29.80	0.00	6,096	199.19	0.00
29.90	0.00	6,095	199.19	0.00
30.00	0.00	6,095	199.19	0.00
30.10	0.00	6,094	199.19	0.00
30.20	0.00	6,094	199.19	0.00
30.30	0.00	6,094	199.19	0.00
30.40	0.00	6,093	199.19	0.00
30.50	0.00	6,093	199.19	0.00
30.60	0.00	6,093	199.19	0.00
30.70	0.00	6,092	199.19	0.00
30.80	0.00	6,092	199.19	0.00
30.90	0.00	6,092	199.19	0.00
31.00	0.00	6,091	199.19	0.00
31.10	0.00	6,091	199.19	0.00

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	6,091	199.19	0.00
31.30	0.00	6,091	199.19	0.00
31.40	0.00	6,090	199.19	0.00
31.50	0.00	6,090	199.19	0.00
31.60	0.00	6,090	199.19	0.00
31.70	0.00	6,090	199.19	0.00
31.80	0.00	6,090	199.19	0.00
31.90	0.00	6,089	199.19	0.00
32.00	0.00	6,089	199.19	0.00
32.10	0.00	6,089	199.19	0.00
32.20	0.00	6,089	199.19	0.00
32.30	0.00	6,089	199.19	0.00
32.40	0.00	6,089	199.19	0.00
32.50	0.00	6,089	199.19	0.00
32.60	0.00	6,088	199.19	0.00
32.70	0.00	6,088	199.19	0.00
32.80	0.00	6,088	199.19	0.00
32.90	0.00	6,088	199.19	0.00
33.00	0.00	6,088	199.19	0.00
33.10	0.00	6,088	199.19	0.00
33.20	0.00	6,088	199.19	0.00
33.30	0.00	6,088	199.19	0.00
33.40	0.00	6,088	199.19	0.00
33.50	0.00	6,088	199.19	0.00
33.60	0.00	6,087	199.19	0.00
33.70	0.00	6,087	199.19	0.00
33.80	0.00	6,087	199.19	0.00
33.90	0.00	6,087	199.19	0.00
34.00	0.00	6,087	199.19	0.00
34.10	0.00	6,087	199.19	0.00
34.20	0.00	6,087	199.19	0.00
34.30	0.00	6,087	199.19	0.00
34.40	0.00	6,087	199.19	0.00
34.50	0.00	6,087	199.19	0.00
34.60	0.00	6,087	199.19	0.00
34.70	0.00	6,087	199.19	0.00
34.80	0.00	6,087	199.19	0.00
34.90	0.00	6,087	199.19	0.00
35.00	0.00	6,087	199.19	0.00
35.10	0.00	6,087	199.19	0.00
35.20	0.00	6,087	199.19	0.00
35.30	0.00	6,086	199.19	0.00
35.40	0.00	6,086	199.19	0.00
35.50	0.00	6,086	199.19	0.00
35.60	0.00	6,086	199.19	0.00
35.70	0.00	6,086	199.19	0.00
35.80	0.00	6,086	199.19	0.00
35.90	0.00	6,086	199.19	0.00
36.00	0.00	6,086	199.19	0.00
36.10	0.00	6,086	199.19	0.00
36.20	0.00	6,086	199.19	0.00
36.30	0.00	6,086	199.19	0.00

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	6,086	199.19	0.00
36.50	0.00	6,086	199.19	0.00
36.60	0.00	6,086	199.19	0.00
36.70	0.00	6,086	199.19	0.00
36.80	0.00	6,086	199.19	0.00
36.90	0.00	6,086	199.19	0.00
37.00	0.00	6,086	199.19	0.00
37.10	0.00	6,086	199.19	0.00
37.20	0.00	6,086	199.19	0.00
37.30	0.00	6,086	199.19	0.00
37.40	0.00	6,086	199.19	0.00
37.50	0.00	6,086	199.19	0.00
37.60	0.00	6,086	199.19	0.00
37.70	0.00	6,086	199.19	0.00
37.80	0.00	6,086	199.19	0.00
37.90	0.00	6,086	199.19	0.00
38.00	0.00	6,086	199.19	0.00
38.10	0.00	6,086	199.19	0.00
38.20	0.00	6,086	199.19	0.00
38.30	0.00	6,086	199.19	0.00
38.40	0.00	6,086	199.19	0.00
38.50	0.00	6,086	199.19	0.00
38.60	0.00	6,086	199.19	0.00
38.70	0.00	6,086	199.19	0.00
38.80	0.00	6,086	199.19	0.00
38.90	0.00	6,086	199.19	0.00
39.00	0.00	6,086	199.19	0.00
39.10	0.00	6,086	199.19	0.00
39.20	0.00	6,086	199.19	0.00
39.30	0.00	6,086	199.19	0.00
39.40	0.00	6,086	199.19	0.00
39.50	0.00	6,086	199.19	0.00
39.60	0.00	6,086	199.19	0.00
39.70	0.00	6,086	199.19	0.00
39.80	0.00	6,086	199.19	0.00
39.90	0.00	6,086	199.19	0.00
40.00	0.00	6,086	199.19	0.00

Stage-Discharge for Pond B-54: Basin #54

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
198.00	0.00	198.52	0.00	199.04	0.00	199.56	1.40
198.01	0.00	198.53	0.00	199.05	0.00	199.57	1.44
198.02	0.00	198.54	0.00	199.06	0.00	199.58	1.48
198.03	0.00	198.55	0.00	199.07	0.00	199.59	1.51
198.04	0.00	198.56	0.00	199.08	0.00	199.60	1.55
198.05	0.00	198.57	0.00	199.09	0.00	199.61	1.58
198.06	0.00	198.58	0.00	199.10	0.00	199.62	1.62
198.07	0.00	198.59	0.00	199.11	0.00	199.63	1.65
198.08	0.00	198.60	0.00	199.12	0.00	199.64	1.68
198.09	0.00	198.61	0.00	199.13	0.00	199.65	1.71
198.10	0.00	198.62	0.00	199.14	0.00	199.66	1.74
198.11	0.00	198.63	0.00	199.15	0.00	199.67	1.77
198.12	0.00	198.64	0.00	199.16	0.00	199.68	1.80
198.13	0.00	198.65	0.00	199.17	0.00	199.69	1.83
198.14	0.00	198.66	0.00	199.18	0.00	199.70	1.86
198.15	0.00	198.67	0.00	199.19	0.00	199.71	1.89
198.16	0.00	198.68	0.00	199.20	0.01	199.72	1.92
198.17	0.00	198.69	0.00	199.21	0.02	199.73	1.94
198.18	0.00	198.70	0.00	199.22	0.03	199.74	1.97
198.19	0.00	198.71	0.00	199.23	0.05	199.75	2.00
198.20	0.00	198.72	0.00	199.24	0.07	199.76	2.02
198.21	0.00	198.73	0.00	199.25	0.09	199.77	2.05
198.22	0.00	198.74	0.00	199.26	0.12	199.78	2.07
198.23	0.00	198.75	0.00	199.27	0.15	199.79	2.10
198.24	0.00	198.76	0.00	199.28	0.17	199.80	2.12
198.25	0.00	198.77	0.00	199.29	0.20	199.81	2.15
198.26	0.00	198.78	0.00	199.30	0.23	199.82	2.17
198.27	0.00	198.79	0.00	199.31	0.27	199.83	2.20
198.28	0.00	198.80	0.00	199.32	0.30	199.84	2.22
198.29	0.00	198.81	0.00	199.33	0.34	199.85	2.24
198.30	0.00	198.82	0.00	199.34	0.37	199.86	2.27
198.31	0.00	198.83	0.00	199.35	0.41	199.87	2.29
198.32	0.00	198.84	0.00	199.36	0.45	199.88	2.31
198.33	0.00	198.85	0.00	199.37	0.49	199.89	2.33
198.34	0.00	198.86	0.00	199.38	0.53	199.90	2.36
198.35	0.00	198.87	0.00	199.39	0.57	199.91	2.38
198.36	0.00	198.88	0.00	199.40	0.62	199.92	2.40
198.37	0.00	198.89	0.00	199.41	0.66	199.93	2.42
198.38	0.00	198.90	0.00	199.42	0.71	199.94	2.44
198.39	0.00	198.91	0.00	199.43	0.75	199.95	2.46
198.40	0.00	198.92	0.00	199.44	0.80	199.96	2.49
198.41	0.00	198.93	0.00	199.45	0.85	199.97	2.51
198.42	0.00	198.94	0.00	199.46	0.90	199.98	2.53
198.43	0.00	198.95	0.00	199.47	0.95	199.99	2.55
198.44	0.00	198.96	0.00	199.48	1.00	200.00	2.57
198.45	0.00	198.97	0.00	199.49	1.05	200.01	2.59
198.46	0.00	198.98	0.00	199.50	1.11	200.02	2.61
198.47	0.00	198.99	0.00	199.51	1.16	200.03	2.63
198.48	0.00	199.00	0.00	199.52	1.22	200.04	2.65
198.49	0.00	199.01	0.00	199.53	1.27	200.05	2.67
198.50	0.00	199.02	0.00	199.54	1.32	200.06	2.69
198.51	0.00	199.03	0.00	199.55	1.36	200.07	2.70

Stage-Discharge for Pond B-54: Basin #54 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
200.08	2.72	200.60	3.58	201.12	4.26	201.64	5.92
200.09	2.74	200.61	3.59	201.13	4.27	201.65	6.02
200.10	2.76	200.62	3.61	201.14	4.29	201.66	6.12
200.11	2.78	200.63	3.62	201.15	4.30	201.67	6.22
200.12	2.80	200.64	3.63	201.16	4.31	201.68	6.32
200.13	2.82	200.65	3.65	201.17	4.32	201.69	6.42
200.14	2.84	200.66	3.66	201.18	4.33	201.70	6.53
200.15	2.85	200.67	3.68	201.19	4.34	201.71	6.63
200.16	2.87	200.68	3.69	201.20	4.36	201.72	6.74
200.17	2.89	200.69	3.70	201.21	4.37	201.73	6.85
200.18	2.91	200.70	3.72	201.22	4.38	201.74	6.97
200.19	2.93	200.71	3.73	201.23	4.39	201.75	7.08
200.20	2.94	200.72	3.75	201.24	4.40	201.76	7.20
200.21	2.96	200.73	3.76	201.25	4.42	201.77	7.32
200.22	2.98	200.74	3.77	201.26	4.43	201.78	7.43
200.23	3.00	200.75	3.79	201.27	4.44	201.79	7.56
200.24	3.01	200.76	3.80	201.28	4.45	201.80	7.68
200.25	3.03	200.77	3.81	201.29	4.46	201.81	7.80
200.26	3.05	200.78	3.83	201.30	4.47	201.82	7.93
200.27	3.06	200.79	3.84	201.31	4.48	201.83	8.05
200.28	3.08	200.80	3.85	201.32	4.50	201.84	8.18
200.29	3.10	200.81	3.87	201.33	4.51	201.85	8.31
200.30	3.11	200.82	3.88	201.34	4.52	201.86	8.44
200.31	3.13	200.83	3.89	201.35	4.53	201.87	8.57
200.32	3.15	200.84	3.91	201.36	4.54	201.88	8.71
200.33	3.16	200.85	3.92	201.37	4.55	201.89	8.84
200.34	3.18	200.86	3.93	201.38	4.56	201.90	8.98
200.35	3.20	200.87	3.95	201.39	4.58	201.91	9.12
200.36	3.21	200.88	3.96	201.40	4.59	201.92	9.25
200.37	3.23	200.89	3.97	201.41	4.60	201.93	9.39
200.38	3.24	200.90	3.99	201.42	4.61	201.94	9.53
200.39	3.26	200.91	4.00	201.43	4.62	201.95	9.68
200.40	3.28	200.92	4.01	201.44	4.63	201.96	9.82
200.41	3.29	200.93	4.02	201.45	4.64	201.97	9.97
200.42	3.31	200.94	4.04	201.46	4.67	201.98	10.11
200.43	3.32	200.95	4.05	201.47	4.70	201.99	10.26
200.44	3.34	200.96	4.06	201.48	4.74	202.00	10.41
200.45	3.35	200.97	4.08	201.49	4.79	202.01	10.56
200.46	3.37	200.98	4.09	201.50	4.84	202.02	10.71
200.47	3.38	200.99	4.10	201.51	4.90	202.03	10.86
200.48	3.40	201.00	4.11	201.52	4.96	202.04	11.01
200.49	3.41	201.01	4.13	201.53	5.03	202.05	11.16
200.50	3.43	201.02	4.14	201.54	5.09	202.06	11.32
200.51	3.44	201.03	4.15	201.55	5.16	202.07	11.47
200.52	3.46	201.04	4.16	201.56	5.24	202.08	11.63
200.53	3.47	201.05	4.18	201.57	5.31	202.09	11.79
200.54	3.49	201.06	4.19	201.58	5.39	202.10	11.95
200.55	3.50	201.07	4.20	201.59	5.48	202.11	12.11
200.56	3.52	201.08	4.21	201.60	5.56	202.12	12.27
200.57	3.53	201.09	4.22	201.61	5.65	202.13	12.43
200.58	3.55	201.10	4.24	201.62	5.74	202.14	12.59
200.59	3.56	201.11	4.25	201.63	5.83	202.15	12.76

Stage-Discharge for Pond B-54: Basin #54 (continued)

Elevation (feet)	Primary (cfs)
202.16	12.92
202.17	13.09
202.18	13.25
202.19	13.42
202.20	13.59
202.21	13.76
202.22	13.93
202.23	14.10
202.24	14.27
202.25	14.44
202.26	14.62
202.27	14.79
202.28	14.97
202.29	15.14
202.30	15.32
202.31	15.50
202.32	15.68
202.33	15.86
202.34	16.04
202.35	16.22
202.36	16.40
202.37	16.58
202.38	16.77
202.39	16.95
202.40	17.14
202.41	17.32
202.42	17.51
202.43	17.69
202.44	17.88
202.45	18.07
202.46	18.26
202.47	18.45
202.48	18.64
202.49	18.83
202.50	19.02
202.51	19.33
202.52	19.74
202.53	20.21
202.54	20.74
202.55	21.31
202.56	21.92
202.57	22.56
202.58	23.24
202.59	23.96
202.60	24.70
202.61	25.47
202.62	26.27
202.63	27.10
202.64	27.96
202.65	28.83
202.66	29.74
202.67	30.66
202.68	31.61
202.69	32.58
202.70	33.57
202.71	34.62
202.72	35.70
202.73	36.81
202.74	37.94
202.75	39.09
202.76	40.28
202.77	41.48
202.78	42.72
202.79	43.97
202.80	45.26
202.81	46.56
202.82	47.90
202.83	49.26
202.84	50.64
202.85	52.05
202.86	53.48
202.87	54.94
202.88	56.42
202.89	57.92
202.90	59.45
202.91	61.04
202.92	62.65
202.93	64.28
202.94	65.94
202.95	67.63
202.96	69.35
202.97	71.09
202.98	72.86
202.99	74.65
203.00	**76.48**

Stage-Area-Storage for Pond B-54: Basin #54

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
198.00	**5,114**	0	198.52	5,114	2,659
198.01	5,114	51	198.53	5,114	2,710
198.02	5,114	102	198.54	5,114	2,762
198.03	5,114	153	198.55	5,114	2,813
198.04	5,114	205	198.56	5,114	2,864
198.05	5,114	256	198.57	5,114	2,915
198.06	5,114	307	198.58	5,114	2,966
198.07	5,114	358	198.59	5,114	3,017
198.08	5,114	409	198.60	5,114	3,068
198.09	5,114	460	198.61	5,114	3,120
198.10	5,114	511	198.62	5,114	3,171
198.11	5,114	563	198.63	5,114	3,222
198.12	5,114	614	198.64	5,114	3,273
198.13	5,114	665	198.65	5,114	3,324
198.14	5,114	716	198.66	5,114	3,375
198.15	5,114	767	198.67	5,114	3,426
198.16	5,114	818	198.68	5,114	3,478
198.17	5,114	869	198.69	5,114	3,529
198.18	5,114	921	198.70	5,114	3,580
198.19	5,114	972	198.71	5,114	3,631
198.20	5,114	1,023	198.72	5,114	3,682
198.21	5,114	1,074	198.73	5,114	3,733
198.22	5,114	1,125	198.74	5,114	3,784
198.23	5,114	1,176	198.75	5,114	3,836
198.24	5,114	1,227	198.76	5,114	3,887
198.25	5,114	1,279	198.77	5,114	3,938
198.26	5,114	1,330	198.78	5,114	3,989
198.27	5,114	1,381	198.79	5,114	4,040
198.28	5,114	1,432	198.80	5,114	4,091
198.29	5,114	1,483	198.81	5,114	4,142
198.30	5,114	1,534	198.82	5,114	4,193
198.31	5,114	1,585	198.83	5,114	4,245
198.32	5,114	1,636	198.84	5,114	4,296
198.33	5,114	1,688	198.85	5,114	4,347
198.34	5,114	1,739	198.86	5,114	4,398
198.35	5,114	1,790	198.87	5,114	4,449
198.36	5,114	1,841	198.88	5,114	4,500
198.37	5,114	1,892	198.89	5,114	4,551
198.38	5,114	1,943	198.90	5,114	4,603
198.39	5,114	1,994	198.91	5,114	4,654
198.40	5,114	2,046	198.92	5,114	4,705
198.41	5,114	2,097	198.93	5,114	4,756
198.42	5,114	2,148	198.94	5,114	4,807
198.43	5,114	2,199	198.95	5,114	4,858
198.44	5,114	2,250	198.96	5,114	4,909
198.45	5,114	2,301	198.97	5,114	4,961
198.46	5,114	2,352	198.98	5,114	5,012
198.47	5,114	2,404	198.99	5,114	5,063
198.48	5,114	2,455	199.00	5,114	5,114
198.49	5,114	2,506	199.01	5,114	5,165
198.50	5,114	2,557	199.02	5,114	5,216
198.51	5,114	2,608	199.03	5,114	5,267

Stage-Area-Storage for Pond B-54: Basin #54 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
199.04	5,114	5,319	199.56	5,114	7,978
199.05	5,114	5,370	199.57	5,114	8,029
199.06	5,114	5,421	199.58	5,114	8,080
199.07	5,114	5,472	199.59	5,114	8,131
199.08	5,114	5,523	199.60	5,114	8,182
199.09	5,114	5,574	199.61	5,114	8,234
199.10	5,114	5,625	199.62	5,114	8,285
199.11	5,114	5,677	199.63	5,114	8,336
199.12	5,114	5,728	199.64	5,114	8,387
199.13	5,114	5,779	199.65	5,114	8,438
199.14	5,114	5,830	199.66	5,114	8,489
199.15	5,114	5,881	199.67	5,114	8,540
199.16	5,114	5,932	199.68	5,114	8,592
199.17	5,114	5,983	199.69	5,114	8,643
199.18	5,114	6,035	199.70	5,114	8,694
199.19	5,114	6,086	199.71	5,114	8,745
199.20	5,114	6,137	199.72	5,114	8,796
199.21	5,114	6,188	199.73	5,114	8,847
199.22	5,114	6,239	199.74	5,114	8,898
199.23	5,114	6,290	199.75	5,114	8,950
199.24	5,114	6,341	199.76	5,114	9,001
199.25	5,114	6,393	199.77	5,114	9,052
199.26	5,114	6,444	199.78	5,114	9,103
199.27	5,114	6,495	199.79	5,114	9,154
199.28	5,114	6,546	199.80	5,114	9,205
199.29	5,114	6,597	199.81	5,114	9,256
199.30	5,114	6,648	199.82	5,114	9,307
199.31	5,114	6,699	199.83	5,114	9,359
199.32	5,114	6,750	199.84	5,114	9,410
199.33	5,114	6,802	199.85	5,114	9,461
199.34	5,114	6,853	199.86	5,114	9,512
199.35	5,114	6,904	199.87	5,114	9,563
199.36	5,114	6,955	199.88	5,114	9,614
199.37	5,114	7,006	199.89	5,114	9,665
199.38	5,114	7,057	199.90	5,114	9,717
199.39	5,114	7,108	199.91	5,114	9,768
199.40	5,114	7,160	199.92	5,114	9,819
199.41	5,114	7,211	199.93	5,114	9,870
199.42	5,114	7,262	199.94	5,114	9,921
199.43	5,114	7,313	199.95	5,114	9,972
199.44	5,114	7,364	199.96	5,114	10,023
199.45	5,114	7,415	199.97	5,114	10,075
199.46	5,114	7,466	199.98	5,114	10,126
199.47	5,114	7,518	199.99	5,114	10,177
199.48	5,114	7,569	200.00	5,114	10,228
199.49	5,114	7,620	200.01	5,114	10,279
199.50	5,114	7,671	200.02	5,114	10,330
199.51	5,114	7,722	200.03	5,114	10,381
199.52	5,114	7,773	200.04	5,114	10,433
199.53	5,114	7,824	200.05	5,114	10,484
199.54	5,114	7,876	200.06	5,114	10,535
199.55	5,114	7,927	200.07	5,114	10,586

Stage-Area-Storage for Pond B-54: Basin #54 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
200.08	5,114	10,637	200.60	5,114	13,296
200.09	5,114	10,688	200.61	5,114	13,348
200.10	5,114	10,739	200.62	5,114	13,399
200.11	5,114	10,791	200.63	5,114	13,450
200.12	5,114	10,842	200.64	5,114	13,501
200.13	5,114	10,893	200.65	5,114	13,552
200.14	5,114	10,944	200.66	5,114	13,603
200.15	5,114	10,995	200.67	5,114	13,654
200.16	5,114	11,046	200.68	5,114	13,706
200.17	5,114	11,097	200.69	5,114	13,757
200.18	5,114	11,149	200.70	5,114	13,808
200.19	5,114	11,200	200.71	5,114	13,859
200.20	5,114	11,251	200.72	5,114	13,910
200.21	5,114	11,302	200.73	5,114	13,961
200.22	5,114	11,353	200.74	5,114	14,012
200.23	5,114	11,404	200.75	5,114	14,064
200.24	5,114	11,455	200.76	5,114	14,115
200.25	5,114	11,507	200.77	5,114	14,166
200.26	5,114	11,558	200.78	5,114	14,217
200.27	5,114	11,609	200.79	5,114	14,268
200.28	5,114	11,660	200.80	5,114	14,319
200.29	5,114	11,711	200.81	5,114	14,370
200.30	5,114	11,762	200.82	5,114	14,421
200.31	5,114	11,813	200.83	5,114	14,473
200.32	5,114	11,864	200.84	5,114	14,524
200.33	5,114	11,916	200.85	5,114	14,575
200.34	5,114	11,967	200.86	5,114	14,626
200.35	5,114	12,018	200.87	5,114	14,677
200.36	5,114	12,069	200.88	5,114	14,728
200.37	5,114	12,120	200.89	5,114	14,779
200.38	5,114	12,171	200.90	5,114	14,831
200.39	5,114	12,222	200.91	5,114	14,882
200.40	5,114	12,274	200.92	5,114	14,933
200.41	5,114	12,325	200.93	5,114	14,984
200.42	5,114	12,376	200.94	5,114	15,035
200.43	5,114	12,427	200.95	5,114	15,086
200.44	5,114	12,478	200.96	5,114	15,137
200.45	5,114	12,529	200.97	5,114	15,189
200.46	5,114	12,580	200.98	5,114	15,240
200.47	5,114	12,632	200.99	5,114	15,291
200.48	5,114	12,683	201.00	5,114	15,342
200.49	5,114	12,734	201.01	5,114	15,393
200.50	5,114	12,785	201.02	5,114	15,444
200.51	5,114	12,836	201.03	5,114	15,495
200.52	5,114	12,887	201.04	5,114	15,547
200.53	5,114	12,938	201.05	5,114	15,598
200.54	5,114	12,990	201.06	5,114	15,649
200.55	5,114	13,041	201.07	5,114	15,700
200.56	5,114	13,092	201.08	5,114	15,751
200.57	5,114	13,143	201.09	5,114	15,802
200.58	5,114	13,194	201.10	5,114	15,853
200.59	5,114	13,245	201.11	5,114	15,905

Stage-Area-Storage for Pond B-54: Basin #54 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
201.12	5,114	15,956	201.64	5,114	18,615
201.13	5,114	16,007	201.65	5,114	18,666
201.14	5,114	16,058	201.66	5,114	18,717
201.15	5,114	16,109	201.67	5,114	18,768
201.16	5,114	16,160	201.68	5,114	18,820
201.17	5,114	16,211	201.69	5,114	18,871
201.18	5,114	16,263	201.70	5,114	18,922
201.19	5,114	16,314	201.71	5,114	18,973
201.20	5,114	16,365	201.72	5,114	19,024
201.21	5,114	16,416	201.73	5,114	19,075
201.22	5,114	16,467	201.74	5,114	19,126
201.23	5,114	16,518	201.75	5,114	19,178
201.24	5,114	16,569	201.76	5,114	19,229
201.25	5,114	16,621	201.77	5,114	19,280
201.26	5,114	16,672	201.78	5,114	19,331
201.27	5,114	16,723	201.79	5,114	19,382
201.28	5,114	16,774	201.80	5,114	19,433
201.29	5,114	16,825	201.81	5,114	19,484
201.30	5,114	16,876	201.82	5,114	19,535
201.31	5,114	16,927	201.83	5,114	19,587
201.32	5,114	16,978	201.84	5,114	19,638
201.33	5,114	17,030	201.85	5,114	19,689
201.34	5,114	17,081	201.86	5,114	19,740
201.35	5,114	17,132	201.87	5,114	19,791
201.36	5,114	17,183	201.88	5,114	19,842
201.37	5,114	17,234	201.89	5,114	19,893
201.38	5,114	17,285	201.90	5,114	19,945
201.39	5,114	17,336	201.91	5,114	19,996
201.40	5,114	17,388	201.92	5,114	20,047
201.41	5,114	17,439	201.93	5,114	20,098
201.42	5,114	17,490	201.94	5,114	20,149
201.43	5,114	17,541	201.95	5,114	20,200
201.44	5,114	17,592	201.96	5,114	20,251
201.45	5,114	17,643	201.97	5,114	20,303
201.46	5,114	17,694	201.98	5,114	20,354
201.47	5,114	17,746	201.99	5,114	20,405
201.48	5,114	17,797	202.00	5,114	20,456
201.49	5,114	17,848	202.01	5,114	20,507
201.50	5,114	17,899	202.02	5,114	20,558
201.51	5,114	17,950	202.03	5,114	20,609
201.52	5,114	18,001	202.04	5,114	20,661
201.53	5,114	18,052	202.05	5,114	20,712
201.54	5,114	18,104	202.06	5,114	20,763
201.55	5,114	18,155	202.07	5,114	20,814
201.56	5,114	18,206	202.08	5,114	20,865
201.57	5,114	18,257	202.09	5,114	20,916
201.58	5,114	18,308	202.10	5,114	20,967
201.59	5,114	18,359	202.11	5,114	21,019
201.60	5,114	18,410	202.12	5,114	21,070
201.61	5,114	18,462	202.13	5,114	21,121
201.62	5,114	18,513	202.14	5,114	21,172
201.63	5,114	18,564	202.15	5,114	21,223

Stage-Area-Storage for Pond B-54: Basin #54 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
202.16	5,114	21,274
202.17	5,114	21,325
202.18	5,114	21,377
202.19	5,114	21,428
202.20	5,114	21,479
202.21	5,114	21,530
202.22	5,114	21,581
202.23	5,114	21,632
202.24	5,114	21,683
202.25	5,114	21,735
202.26	5,114	21,786
202.27	5,114	21,837
202.28	5,114	21,888
202.29	5,114	21,939
202.30	5,114	21,990
202.31	5,114	22,041
202.32	5,114	22,092
202.33	5,114	22,144
202.34	5,114	22,195
202.35	5,114	22,246
202.36	5,114	22,297
202.37	5,114	22,348
202.38	5,114	22,399
202.39	5,114	22,450
202.40	5,114	22,502
202.41	5,114	22,553
202.42	5,114	22,604
202.43	5,114	22,655
202.44	5,114	22,706
202.45	5,114	22,757
202.46	5,114	22,808
202.47	5,114	22,860
202.48	5,114	22,911
202.49	5,114	22,962
202.50	5,114	23,013
202.51	5,114	23,064
202.52	5,114	23,115
202.53	5,114	23,166
202.54	5,114	23,218
202.55	5,114	23,269
202.56	5,114	23,320
202.57	5,114	23,371
202.58	5,114	23,422
202.59	5,114	23,473
202.60	5,114	23,524
202.61	5,114	23,576
202.62	5,114	23,627
202.63	5,114	23,678
202.64	5,114	23,729
202.65	5,114	23,780
202.66	5,114	23,831
202.67	5,114	23,882
202.68	5,114	23,934
202.69	5,114	23,985
202.70	5,114	24,036
202.71	5,114	24,087
202.72	5,114	24,138
202.73	5,114	24,189
202.74	5,114	24,240
202.75	5,114	24,292
202.76	5,114	24,343
202.77	5,114	24,394
202.78	5,114	24,445
202.79	5,114	24,496
202.80	5,114	24,547
202.81	5,114	24,598
202.82	5,114	24,649
202.83	5,114	24,701
202.84	5,114	24,752
202.85	5,114	24,803
202.86	5,114	24,854
202.87	5,114	24,905
202.88	5,114	24,956
202.89	5,114	25,007
202.90	5,114	25,059
202.91	5,114	25,110
202.92	5,114	25,161
202.93	5,114	25,212
202.94	5,114	25,263
202.95	5,114	25,314
202.96	5,114	25,365
202.97	5,114	25,417
202.98	5,114	25,468
202.99	5,114	25,519
203.00	5,114	**25,570**

Summary for Pond B-55: Basin #55

Inflow Area = 2.301 ac, 47.33% Impervious, Inflow Depth = 2.07" for Current 2 yr event
Inflow = 6.24 cfs @ 12.09 hrs, Volume= 0.398 af
Outflow = 1.49 cfs @ 12.33 hrs, Volume= 0.297 af, Atten= 76%, Lag= 14.7 min
Primary = 1.49 cfs @ 12.33 hrs, Volume= 0.297 af
Routed to Pond B-51 : Basin #51

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 193.74' @ 12.33 hrs Surf.Area= 5,126 sf Storage= 8,164 cf

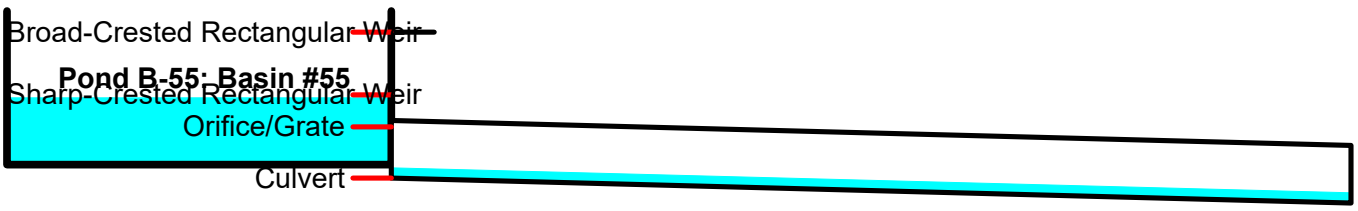
Plug-Flow detention time= 203.2 min calculated for 0.297 af (75% of inflow)
Center-of-Mass det. time= 108.1 min (892.1 - 784.1)

Volume	Invert	Avail.Storage	Storage Description
#1	192.00'	21,076 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

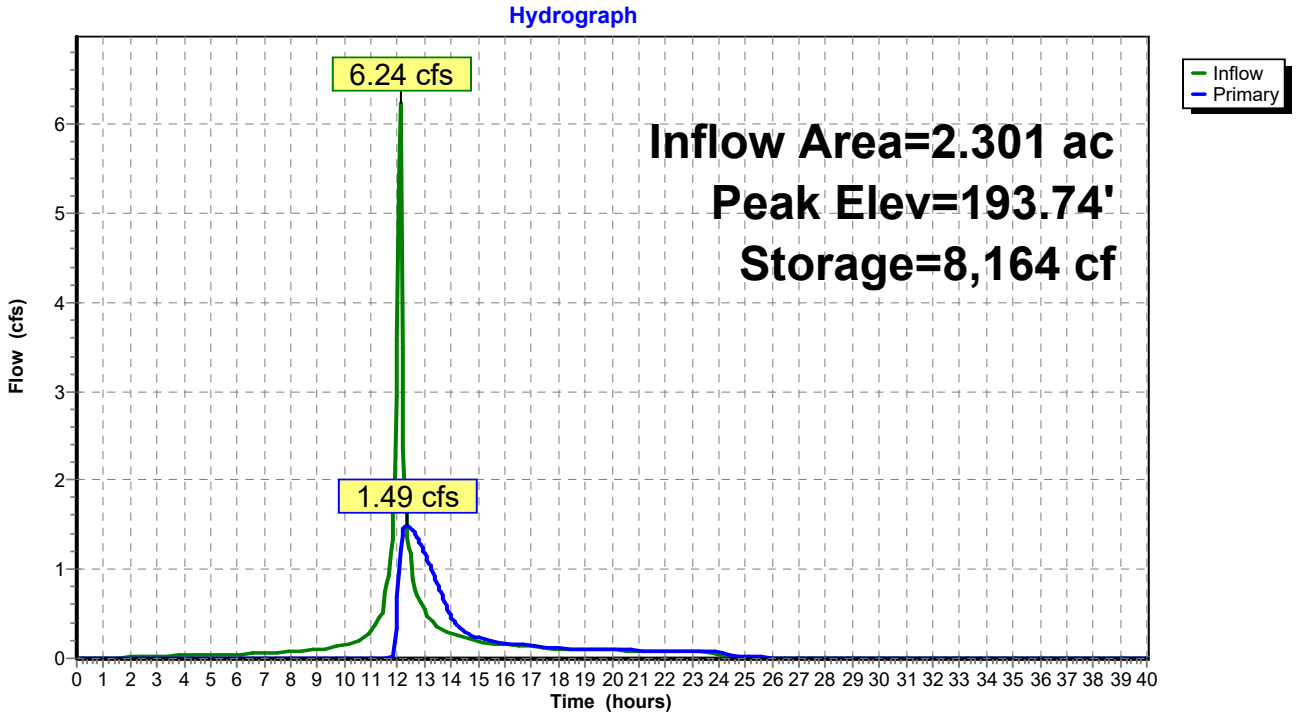
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
192.00	4,250	0	0
193.00	4,746	4,498	4,498
194.00	5,257	5,002	9,500
195.00	5,784	5,521	15,020
196.00	6,327	6,056	21,076

Device	Routing	Invert	Outlet Devices
#1	Primary	191.65'	**18.0" Round Culvert** L= 112.0' Ke= 0.500 Inlet / Outlet Invert= 191.65' / 191.00' S= 0.0058 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	192.98'	**22.0" W x 2.5" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	193.82'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	195.45'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=1.49 cfs @ 12.33 hrs HW=193.74' (Free Discharge)
- **1=Culvert** (Passes 1.49 cfs of 8.39 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 1.49 cfs @ 3.90 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-55: Basin #55



Hydrograph for Pond B-55: Basin #55

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	192.00	0.00
0.10	0.00	0	192.00	0.00
0.20	0.00	0	192.00	0.00
0.30	0.00	0	192.00	0.00
0.40	0.00	0	192.00	0.00
0.50	0.00	0	192.00	0.00
0.60	0.00	0	192.00	0.00
0.70	0.00	0	192.00	0.00
0.80	0.00	0	192.00	0.00
0.90	0.00	0	192.00	0.00
1.00	0.00	0	192.00	0.00
1.10	0.00	0	192.00	0.00
1.20	0.00	0	192.00	0.00
1.30	0.00	1	192.00	0.00
1.40	0.00	2	192.00	0.00
1.50	0.01	3	192.00	0.00
1.60	0.01	5	192.00	0.00
1.70	0.01	8	192.00	0.00
1.80	0.01	11	192.00	0.00
1.90	0.01	14	192.00	0.00
2.00	0.01	18	192.00	0.00
2.10	0.01	23	192.01	0.00
2.20	0.01	27	192.01	0.00
2.30	0.02	33	192.01	0.00
2.40	0.02	38	192.01	0.00
2.50	0.02	44	192.01	0.00
2.60	0.02	51	192.01	0.00
2.70	0.02	58	192.01	0.00
2.80	0.02	65	192.02	0.00
2.90	0.02	72	192.02	0.00
3.00	0.02	80	192.02	0.00
3.10	0.02	89	192.02	0.00
3.20	0.02	97	192.02	0.00
3.30	0.03	106	192.02	0.00
3.40	0.03	115	192.03	0.00
3.50	0.03	125	192.03	0.00
3.60	0.03	135	192.03	0.00
3.70	0.03	145	192.03	0.00
3.80	0.03	156	192.04	0.00
3.90	0.03	167	192.04	0.00
4.00	0.03	178	192.04	0.00
4.10	0.03	189	192.04	0.00
4.20	0.03	201	192.05	0.00
4.30	0.03	213	192.05	0.00
4.40	0.03	226	192.05	0.00
4.50	0.04	238	192.06	0.00
4.60	0.04	251	192.06	0.00
4.70	0.04	264	192.06	0.00
4.80	0.04	278	192.07	0.00
4.90	0.04	291	192.07	0.00
5.00	0.04	305	192.07	0.00
5.10	0.04	319	192.07	0.00

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.04	334	192.08	0.00
5.30	0.04	348	192.08	0.00
5.40	0.04	363	192.09	0.00
5.50	0.04	378	192.09	0.00
5.60	0.04	394	192.09	0.00
5.70	0.04	409	192.10	0.00
5.80	0.04	425	192.10	0.00
5.90	0.05	441	192.10	0.00
6.00	0.05	458	192.11	0.00
6.10	0.05	474	192.11	0.00
6.20	0.05	492	192.11	0.00
6.30	0.05	510	192.12	0.00
6.40	0.05	528	192.12	0.00
6.50	0.05	547	192.13	0.00
6.60	0.05	566	192.13	0.00
6.70	0.06	586	192.14	0.00
6.80	0.06	607	192.14	0.00
6.90	0.06	628	192.15	0.00
7.00	0.06	649	192.15	0.00
7.10	0.06	672	192.16	0.00
7.20	0.06	694	192.16	0.00
7.30	0.07	718	192.17	0.00
7.40	0.07	742	192.17	0.00
7.50	0.07	766	192.18	0.00
7.60	0.07	791	192.18	0.00
7.70	0.07	817	192.19	0.00
7.80	0.07	843	192.20	0.00
7.90	0.08	870	192.20	0.00
8.00	0.08	897	192.21	0.00
8.10	0.08	925	192.21	0.00
8.20	0.08	954	192.22	0.00
8.30	0.08	983	192.23	0.00
8.40	0.08	1,012	192.23	0.00
8.50	0.08	1,043	192.24	0.00
8.60	0.09	1,074	192.25	0.00
8.70	0.09	1,105	192.26	0.00
8.80	0.09	1,137	192.26	0.00
8.90	0.09	1,170	192.27	0.00
9.00	0.09	1,203	192.28	0.00
9.10	0.10	1,237	192.29	0.00
9.20	0.10	1,274	192.29	0.00
9.30	0.11	1,312	192.30	0.00
9.40	0.11	1,352	192.31	0.00
9.50	0.12	1,394	192.32	0.00
9.60	0.13	1,438	192.33	0.00
9.70	0.13	1,485	192.34	0.00
9.80	0.14	1,533	192.35	0.00
9.90	0.14	1,583	192.36	0.00
10.00	0.15	1,635	192.38	0.00
10.10	0.15	1,689	192.39	0.00
10.20	0.16	1,745	192.40	0.00
10.30	0.16	1,803	192.41	0.00

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.17	1,863	192.43	0.00
10.50	0.18	1,925	192.44	0.00
10.60	0.20	1,992	192.46	0.00
10.70	0.22	2,067	192.47	0.00
10.80	0.24	2,150	192.49	0.00
10.90	0.27	2,243	192.51	0.00
11.00	0.30	2,345	192.54	0.00
11.10	0.34	2,460	192.56	0.00
11.20	0.39	2,593	192.59	0.00
11.30	0.44	2,743	192.62	0.00
11.40	0.49	2,913	192.66	0.00
11.50	0.55	3,100	192.70	0.00
11.60	0.85	3,359	192.76	0.00
11.70	0.94	3,684	192.83	0.00
11.80	1.33	4,102	192.92	0.00
11.90	1.96	4,697	193.04	0.09
12.00	3.58	5,599	193.23	0.68
12.10	**6.12**	7,091	193.53	1.23
12.20	2.36	7,992	193.71	1.45
12.30	1.67	**8,157**	**193.74**	**1.49**
12.40	1.24	**8,128**	**193.74**	**1.48**
12.50	1.16	8,029	193.72	1.46
12.60	0.78	7,844	193.68	1.42
12.70	0.72	7,611	193.63	1.36
12.80	0.66	7,378	193.59	1.30
12.90	0.60	7,145	193.54	1.24
13.00	0.54	6,912	193.50	1.18
13.10	0.48	6,681	193.45	1.11
13.20	0.44	6,459	193.40	1.04
13.30	0.41	6,251	193.36	0.96
13.40	0.37	6,057	193.32	0.89
13.50	0.34	5,877	193.29	0.82
13.60	0.31	5,712	193.25	0.74
13.70	0.30	5,568	193.22	0.66
13.80	0.29	5,448	193.20	0.59
13.90	0.28	5,351	193.18	0.52
14.00	0.27	5,275	193.16	0.46
14.10	0.26	5,214	193.15	0.41
14.20	0.25	5,165	193.14	0.38
14.30	0.25	5,124	193.13	0.35
14.40	0.24	5,090	193.12	0.32
14.50	0.23	5,061	193.12	0.30
14.60	0.22	5,036	193.11	0.29
14.70	0.21	5,012	193.11	0.27
14.80	0.20	4,991	193.10	0.26
14.90	0.19	4,971	193.10	0.24
15.00	0.18	4,952	193.10	0.23
15.10	0.17	4,934	193.09	0.22
15.20	0.17	4,918	193.09	0.21
15.30	0.17	4,905	193.09	0.20
15.40	0.17	4,894	193.08	0.20
15.50	0.16	4,884	193.08	0.19

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.16	4,875	193.08	0.18
15.70	0.16	4,868	193.08	0.18
15.80	0.16	4,860	193.08	0.18
15.90	0.15	4,854	193.07	0.17
16.00	0.15	4,847	193.07	0.17
16.10	0.15	4,841	193.07	0.17
16.20	0.15	4,835	193.07	0.16
16.30	0.14	4,830	193.07	0.16
16.40	0.14	4,824	193.07	0.16
16.50	0.14	4,819	193.07	0.15
16.60	0.14	4,814	193.07	0.15
16.70	0.14	4,809	193.07	0.15
16.80	0.13	4,804	193.06	0.15
16.90	0.13	4,799	193.06	0.14
17.00	0.13	4,794	193.06	0.14
17.10	0.13	4,789	193.06	0.14
17.20	0.12	4,784	193.06	0.14
17.30	0.12	4,780	193.06	0.13
17.40	0.12	4,775	193.06	0.13
17.50	0.12	4,770	193.06	0.13
17.60	0.11	4,765	193.06	0.13
17.70	0.11	4,761	193.06	0.12
17.80	0.11	4,756	193.05	0.12
17.90	0.11	4,751	193.05	0.12
18.00	0.10	4,746	193.05	0.12
18.10	0.10	4,742	193.05	0.11
18.20	0.10	4,737	193.05	0.11
18.30	0.10	4,734	193.05	0.11
18.40	0.10	4,730	193.05	0.11
18.50	0.10	4,727	193.05	0.11
18.60	0.10	4,725	193.05	0.11
18.70	0.10	4,722	193.05	0.10
18.80	0.10	4,720	193.05	0.10
18.90	0.10	4,718	193.05	0.10
19.00	0.10	4,716	193.05	0.10
19.10	0.10	4,715	193.05	0.10
19.20	0.09	4,713	193.05	0.10
19.30	0.09	4,711	193.04	0.10
19.40	0.09	4,710	193.04	0.10
19.50	0.09	4,708	193.04	0.10
19.60	0.09	4,707	193.04	0.10
19.70	0.09	4,706	193.04	0.10
19.80	0.09	4,705	193.04	0.09
19.90	0.09	4,703	193.04	0.09
20.00	0.09	4,702	193.04	0.09
20.10	0.09	4,701	193.04	0.09
20.20	0.09	4,700	193.04	0.09
20.30	0.09	4,698	193.04	0.09
20.40	0.09	4,697	193.04	0.09
20.50	0.09	4,696	193.04	0.09
20.60	0.09	4,695	193.04	0.09
20.70	0.09	4,694	193.04	0.09

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.09	4,692	193.04	0.09
20.90	0.08	4,691	193.04	0.09
21.00	0.08	4,690	193.04	0.09
21.10	0.08	4,689	193.04	0.09
21.20	0.08	4,688	193.04	0.09
21.30	0.08	4,686	193.04	0.09
21.40	0.08	4,685	193.04	0.09
21.50	0.08	4,684	193.04	0.08
21.60	0.08	4,682	193.04	0.08
21.70	0.08	4,681	193.04	0.08
21.80	0.08	4,680	193.04	0.08
21.90	0.08	4,678	193.04	0.08
22.00	0.08	4,677	193.04	0.08
22.10	0.08	4,675	193.04	0.08
22.20	0.08	4,674	193.04	0.08
22.30	0.08	4,672	193.04	0.08
22.40	0.08	4,671	193.04	0.08
22.50	0.07	4,669	193.04	0.08
22.60	0.07	4,667	193.04	0.08
22.70	0.07	4,666	193.04	0.08
22.80	0.07	4,664	193.03	0.08
22.90	0.07	4,662	193.03	0.08
23.00	0.07	4,661	193.03	0.08
23.10	0.07	4,659	193.03	0.08
23.20	0.07	4,658	193.03	0.08
23.30	0.07	4,656	193.03	0.07
23.40	0.07	4,654	193.03	0.07
23.50	0.07	4,653	193.03	0.07
23.60	0.07	4,651	193.03	0.07
23.70	0.07	4,649	193.03	0.07
23.80	0.07	4,648	193.03	0.07
23.90	0.07	4,646	193.03	0.07
24.00	0.08	4,647	193.03	0.07
24.10	0.00	4,634	193.03	0.07
24.20	0.00	4,611	193.02	0.06
24.30	0.00	4,592	193.02	0.05
24.40	0.00	4,574	193.02	0.04
24.50	0.00	4,559	193.01	0.04
24.60	0.00	4,546	193.01	0.03
24.70	0.00	4,535	193.01	0.03
24.80	0.00	4,524	193.01	0.03
24.90	0.00	4,516	193.00	0.02
25.00	0.00	4,508	193.00	0.02
25.10	0.00	4,501	193.00	0.02
25.20	0.00	4,495	193.00	0.02
25.30	0.00	4,489	193.00	0.02
25.40	0.00	4,484	193.00	0.01
25.50	0.00	4,479	193.00	0.01
25.60	0.00	4,474	193.00	0.01
25.70	0.00	4,470	192.99	0.01
25.80	0.00	4,466	192.99	0.01
25.90	0.00	4,462	192.99	0.01

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	4,458	192.99	0.01
26.10	0.00	4,455	192.99	0.01
26.20	0.00	4,452	192.99	0.01
26.30	0.00	4,449	192.99	0.01
26.40	0.00	4,446	192.99	0.01
26.50	0.00	4,444	192.99	0.01
26.60	0.00	4,441	192.99	0.01
26.70	0.00	4,439	192.99	0.01
26.80	0.00	4,437	192.99	0.01
26.90	0.00	4,434	192.99	0.01
27.00	0.00	4,433	192.99	0.01
27.10	0.00	4,431	192.99	0.00
27.20	0.00	4,429	192.99	0.00
27.30	0.00	4,428	192.99	0.00
27.40	0.00	4,426	192.98	0.00
27.50	0.00	4,425	192.98	0.00
27.60	0.00	4,423	192.98	0.00
27.70	0.00	4,422	192.98	0.00
27.80	0.00	4,421	192.98	0.00
27.90	0.00	4,420	192.98	0.00
28.00	0.00	4,419	192.98	0.00
28.10	0.00	4,418	192.98	0.00
28.20	0.00	4,417	192.98	0.00
28.30	0.00	4,416	192.98	0.00
28.40	0.00	4,415	192.98	0.00
28.50	0.00	4,415	192.98	0.00
28.60	0.00	4,414	192.98	0.00
28.70	0.00	4,413	192.98	0.00
28.80	0.00	4,413	192.98	0.00
28.90	0.00	4,412	192.98	0.00
29.00	0.00	4,411	192.98	0.00
29.10	0.00	4,411	192.98	0.00
29.20	0.00	4,410	192.98	0.00
29.30	0.00	4,410	192.98	0.00
29.40	0.00	4,410	192.98	0.00
29.50	0.00	4,409	192.98	0.00
29.60	0.00	4,409	192.98	0.00
29.70	0.00	4,409	192.98	0.00
29.80	0.00	4,408	192.98	0.00
29.90	0.00	4,408	192.98	0.00
30.00	0.00	4,408	192.98	0.00
30.10	0.00	4,407	192.98	0.00
30.20	0.00	4,407	192.98	0.00
30.30	0.00	4,407	192.98	0.00
30.40	0.00	4,407	192.98	0.00
30.50	0.00	4,406	192.98	0.00
30.60	0.00	4,406	192.98	0.00
30.70	0.00	4,406	192.98	0.00
30.80	0.00	4,406	192.98	0.00
30.90	0.00	4,406	192.98	0.00
31.00	0.00	4,406	192.98	0.00
31.10	0.00	4,405	192.98	0.00

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	4,405	192.98	0.00
31.30	0.00	4,405	192.98	0.00
31.40	0.00	4,405	192.98	0.00
31.50	0.00	4,405	192.98	0.00
31.60	0.00	4,405	192.98	0.00
31.70	0.00	4,405	192.98	0.00
31.80	0.00	4,405	192.98	0.00
31.90	0.00	4,405	192.98	0.00
32.00	0.00	4,404	192.98	0.00
32.10	0.00	4,404	192.98	0.00
32.20	0.00	4,404	192.98	0.00
32.30	0.00	4,404	192.98	0.00
32.40	0.00	4,404	192.98	0.00
32.50	0.00	4,404	192.98	0.00
32.60	0.00	4,404	192.98	0.00
32.70	0.00	4,404	192.98	0.00
32.80	0.00	4,404	192.98	0.00
32.90	0.00	4,404	192.98	0.00
33.00	0.00	4,404	192.98	0.00
33.10	0.00	4,404	192.98	0.00
33.20	0.00	4,404	192.98	0.00
33.30	0.00	4,404	192.98	0.00
33.40	0.00	4,404	192.98	0.00
33.50	0.00	4,404	192.98	0.00
33.60	0.00	4,404	192.98	0.00
33.70	0.00	4,404	192.98	0.00
33.80	0.00	4,404	192.98	0.00
33.90	0.00	4,404	192.98	0.00
34.00	0.00	4,404	192.98	0.00
34.10	0.00	4,404	192.98	0.00
34.20	0.00	4,403	192.98	0.00
34.30	0.00	4,403	192.98	0.00
34.40	0.00	4,403	192.98	0.00
34.50	0.00	4,403	192.98	0.00
34.60	0.00	4,403	192.98	0.00
34.70	0.00	4,403	192.98	0.00
34.80	0.00	4,403	192.98	0.00
34.90	0.00	4,403	192.98	0.00
35.00	0.00	4,403	192.98	0.00
35.10	0.00	4,403	192.98	0.00
35.20	0.00	4,403	192.98	0.00
35.30	0.00	4,403	192.98	0.00
35.40	0.00	4,403	192.98	0.00
35.50	0.00	4,403	192.98	0.00
35.60	0.00	4,403	192.98	0.00
35.70	0.00	4,403	192.98	0.00
35.80	0.00	4,403	192.98	0.00
35.90	0.00	4,403	192.98	0.00
36.00	0.00	4,403	192.98	0.00
36.10	0.00	4,403	192.98	0.00
36.20	0.00	4,403	192.98	0.00
36.30	0.00	4,403	192.98	0.00

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	4,403	192.98	0.00
36.50	0.00	4,403	192.98	0.00
36.60	0.00	4,403	192.98	0.00
36.70	0.00	4,403	192.98	0.00
36.80	0.00	4,403	192.98	0.00
36.90	0.00	4,403	192.98	0.00
37.00	0.00	4,403	192.98	0.00
37.10	0.00	4,403	192.98	0.00
37.20	0.00	4,403	192.98	0.00
37.30	0.00	4,403	192.98	0.00
37.40	0.00	4,403	192.98	0.00
37.50	0.00	4,403	192.98	0.00
37.60	0.00	4,403	192.98	0.00
37.70	0.00	4,403	192.98	0.00
37.80	0.00	4,403	192.98	0.00
37.90	0.00	4,403	192.98	0.00
38.00	0.00	4,403	192.98	0.00
38.10	0.00	4,403	192.98	0.00
38.20	0.00	4,403	192.98	0.00
38.30	0.00	4,403	192.98	0.00
38.40	0.00	4,403	192.98	0.00
38.50	0.00	4,403	192.98	0.00
38.60	0.00	4,403	192.98	0.00
38.70	0.00	4,403	192.98	0.00
38.80	0.00	4,403	192.98	0.00
38.90	0.00	4,403	192.98	0.00
39.00	0.00	4,403	192.98	0.00
39.10	0.00	4,403	192.98	0.00
39.20	0.00	4,403	192.98	0.00
39.30	0.00	4,403	192.98	0.00
39.40	0.00	4,403	192.98	0.00
39.50	0.00	4,403	192.98	0.00
39.60	0.00	4,403	192.98	0.00
39.70	0.00	4,403	192.98	0.00
39.80	0.00	4,403	192.98	0.00
39.90	0.00	4,403	192.98	0.00
40.00	0.00	4,403	192.98	0.00

Stage-Discharge for Pond B-55: Basin #55

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
192.00	0.00	192.52	0.00	193.04	0.09	193.56	1.27
192.01	0.00	192.53	0.00	193.05	0.11	193.57	1.28
192.02	0.00	192.54	0.00	193.06	0.13	193.58	1.29
192.03	0.00	192.55	0.00	193.07	0.16	193.59	1.31
192.04	0.00	192.56	0.00	193.08	0.19	193.60	1.32
192.05	0.00	192.57	0.00	193.09	0.21	193.61	1.33
192.06	0.00	192.58	0.00	193.10	0.24	193.62	1.34
192.07	0.00	192.59	0.00	193.11	0.28	193.63	1.36
192.08	0.00	192.60	0.00	193.12	0.31	193.64	1.37
192.09	0.00	192.61	0.00	193.13	0.34	193.65	1.38
192.10	0.00	192.62	0.00	193.14	0.38	193.66	1.39
192.11	0.00	192.63	0.00	193.15	0.41	193.67	1.41
192.12	0.00	192.64	0.00	193.16	0.45	193.68	1.42
192.13	0.00	192.65	0.00	193.17	0.49	193.69	1.43
192.14	0.00	192.66	0.00	193.18	0.53	193.70	1.44
192.15	0.00	192.67	0.00	193.19	0.57	193.71	1.45
192.16	0.00	192.68	0.00	193.20	0.60	193.72	1.46
192.17	0.00	192.69	0.00	193.21	0.63	193.73	1.48
192.18	0.00	192.70	0.00	193.22	0.66	193.74	1.49
192.19	0.00	192.71	0.00	193.23	0.69	193.75	1.50
192.20	0.00	192.72	0.00	193.24	0.71	193.76	1.51
192.21	0.00	192.73	0.00	193.25	0.74	193.77	1.52
192.22	0.00	192.74	0.00	193.26	0.76	193.78	1.53
192.23	0.00	192.75	0.00	193.27	0.78	193.79	1.54
192.24	0.00	192.76	0.00	193.28	0.80	193.80	1.55
192.25	0.00	192.77	0.00	193.29	0.82	193.81	1.57
192.26	0.00	192.78	0.00	193.30	0.85	193.82	1.58
192.27	0.00	192.79	0.00	193.31	0.87	193.83	1.60
192.28	0.00	192.80	0.00	193.32	0.89	193.84	1.63
192.29	0.00	192.81	0.00	193.33	0.90	193.85	1.68
192.30	0.00	192.82	0.00	193.34	0.92	193.86	1.72
192.31	0.00	192.83	0.00	193.35	0.94	193.87	1.77
192.32	0.00	192.84	0.00	193.36	0.96	193.88	1.83
192.33	0.00	192.85	0.00	193.37	0.98	193.89	1.89
192.34	0.00	192.86	0.00	193.38	0.99	193.90	1.95
192.35	0.00	192.87	0.00	193.39	1.01	193.91	2.02
192.36	0.00	192.88	0.00	193.40	1.03	193.92	2.09
192.37	0.00	192.89	0.00	193.41	1.05	193.93	2.16
192.38	0.00	192.90	0.00	193.42	1.06	193.94	2.24
192.39	0.00	192.91	0.00	193.43	1.08	193.95	2.32
192.40	0.00	192.92	0.00	193.44	1.09	193.96	2.40
192.41	0.00	192.93	0.00	193.45	1.11	193.97	2.48
192.42	0.00	192.94	0.00	193.46	1.12	193.98	2.57
192.43	0.00	192.95	0.00	193.47	1.14	193.99	2.66
192.44	0.00	192.96	0.00	193.48	1.15	194.00	2.75
192.45	0.00	192.97	0.00	193.49	1.17	194.01	2.84
192.46	0.00	192.98	0.00	193.50	1.18	194.02	2.94
192.47	0.00	192.99	0.01	193.51	1.20	194.03	3.03
192.48	0.00	193.00	0.02	193.52	1.21	194.04	3.13
192.49	0.00	193.01	0.03	193.53	1.23	194.05	3.23
192.50	0.00	193.02	0.05	193.54	1.24	194.06	3.34
192.51	0.00	193.03	0.07	193.55	1.25	194.07	3.44

Stage-Discharge for Pond B-55: Basin #55 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
194.08	3.55	194.60	10.91	195.12	12.19	195.64	23.12
194.09	3.65	194.61	10.94	195.13	12.21	195.65	23.93
194.10	3.76	194.62	10.96	195.14	12.23	195.66	24.79
194.11	3.87	194.63	10.99	195.15	12.26	195.67	25.69
194.12	3.99	194.64	11.01	195.16	12.28	195.68	26.61
194.13	4.10	194.65	11.04	195.17	12.30	195.69	27.55
194.14	4.22	194.66	11.06	195.18	12.32	195.70	28.52
194.15	4.34	194.67	11.09	195.19	12.35	195.71	29.52
194.16	4.46	194.68	11.12	195.20	12.37	195.72	30.53
194.17	4.58	194.69	11.14	195.21	12.39	195.73	31.58
194.18	4.70	194.70	11.17	195.22	12.42	195.74	32.65
194.19	4.82	194.71	11.19	195.23	12.44	195.75	33.74
194.20	4.95	194.72	11.22	195.24	12.46	195.76	34.86
194.21	5.07	194.73	11.24	195.25	12.48	195.77	36.00
194.22	5.20	194.74	11.27	195.26	12.51	195.78	37.17
194.23	5.33	194.75	11.29	195.27	12.53	195.79	38.36
194.24	5.46	194.76	11.32	195.28	12.55	195.80	39.57
194.25	5.59	194.77	11.34	195.29	12.58	195.81	40.81
194.26	5.73	194.78	11.37	195.30	12.60	195.82	42.08
194.27	5.86	194.79	11.39	195.31	12.62	195.83	43.36
194.28	6.00	194.80	11.42	195.32	12.64	195.84	44.67
194.29	6.13	194.81	11.44	195.33	12.66	195.85	46.01
194.30	6.27	194.82	11.47	195.34	12.69	195.86	47.40
194.31	6.41	194.83	11.49	195.35	12.71	195.87	48.81
194.32	6.55	194.84	11.52	195.36	12.73	195.88	50.25
194.33	6.69	194.85	11.54	195.37	12.75	195.89	51.71
194.34	6.84	194.86	11.57	195.38	12.78	195.90	53.20
194.35	6.98	194.87	11.59	195.39	12.80	195.91	54.72
194.36	7.13	194.88	11.61	195.40	12.82	195.92	56.26
194.37	7.27	194.89	11.64	195.41	12.84	195.93	57.83
194.38	7.42	194.90	11.66	195.42	12.86	195.94	59.43
194.39	7.57	194.91	11.69	195.43	12.89	195.95	61.05
194.40	7.72	194.92	11.71	195.44	12.91	195.96	62.70
194.41	7.87	194.93	11.74	195.45	12.93	195.97	64.37
194.42	8.02	194.94	11.76	195.46	13.07	195.98	66.07
194.43	8.17	194.95	11.78	195.47	13.31	195.99	67.80
194.44	8.33	194.96	11.81	195.48	13.61	196.00	**69.56**
194.45	8.48	194.97	11.83	195.49	13.96		
194.46	8.64	194.98	11.86	195.50	14.35		
194.47	8.80	194.99	11.88	195.51	14.79		
194.48	8.95	195.00	11.90	195.52	15.26		
194.49	9.11	195.01	11.93	195.53	15.76		
194.50	9.27	195.02	11.95	195.54	16.30		
194.51	9.43	195.03	11.97	195.55	16.87		
194.52	9.60	195.04	12.00	195.56	17.46		
194.53	9.76	195.05	12.02	195.57	18.08		
194.54	9.92	195.06	12.05	195.58	18.73		
194.55	10.09	195.07	12.07	195.59	19.40		
194.56	10.25	195.08	12.09	195.60	20.10		
194.57	10.42	195.09	12.12	195.61	20.82		
194.58	10.59	195.10	12.14	195.62	21.57		
194.59	10.75	195.11	12.16	195.63	22.33		

Stage-Area-Storage for Pond B-55: Basin #55

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
192.00	4,250	0	192.52	4,508	2,277
192.01	4,255	43	192.53	4,513	2,322
192.02	4,260	85	192.54	4,518	2,367
192.03	4,265	128	192.55	4,523	2,413
192.04	4,270	170	192.56	4,528	2,458
192.05	4,275	213	192.57	4,533	2,503
192.06	4,280	256	192.58	4,538	2,548
192.07	4,285	299	192.59	4,543	2,594
192.08	4,290	342	192.60	4,548	2,639
192.09	4,295	385	192.61	4,553	2,685
192.10	4,300	427	192.62	4,558	2,730
192.11	4,305	471	192.63	4,562	2,776
192.12	4,310	514	192.64	4,567	2,822
192.13	4,314	557	192.65	4,572	2,867
192.14	4,319	600	192.66	4,577	2,913
192.15	4,324	643	192.67	4,582	2,959
192.16	4,329	686	192.68	4,587	3,005
192.17	4,334	730	192.69	4,592	3,051
192.18	4,339	773	192.70	4,597	3,097
192.19	4,344	816	192.71	4,602	3,143
192.20	4,349	860	192.72	4,607	3,189
192.21	4,354	903	192.73	4,612	3,235
192.22	4,359	947	192.74	4,617	3,281
192.23	4,364	991	192.75	4,622	3,327
192.24	4,369	1,034	192.76	4,627	3,373
192.25	4,374	1,078	192.77	4,632	3,420
192.26	4,379	1,122	192.78	4,637	3,466
192.27	4,384	1,166	192.79	4,642	3,512
192.28	4,389	1,209	192.80	4,647	3,559
192.29	4,394	1,253	192.81	4,652	3,605
192.30	4,399	1,297	192.82	4,657	3,652
192.31	4,404	1,341	192.83	4,662	3,698
192.32	4,409	1,385	192.84	4,667	3,745
192.33	4,414	1,430	192.85	4,672	3,792
192.34	4,419	1,474	192.86	4,677	3,838
192.35	4,424	1,518	192.87	4,682	3,885
192.36	4,429	1,562	192.88	4,686	3,932
192.37	4,434	1,606	192.89	4,691	3,979
192.38	4,438	1,651	192.90	4,696	4,026
192.39	4,443	1,695	192.91	4,701	4,073
192.40	4,448	1,740	192.92	4,706	4,120
192.41	4,453	1,784	192.93	4,711	4,167
192.42	4,458	1,829	192.94	4,716	4,214
192.43	4,463	1,873	192.95	4,721	4,261
192.44	4,468	1,918	192.96	4,726	4,309
192.45	4,473	1,963	192.97	4,731	4,356
192.46	4,478	2,007	192.98	4,736	4,403
192.47	4,483	2,052	192.99	4,741	4,451
192.48	4,488	2,097	193.00	4,746	4,498
192.49	4,493	2,142	193.01	4,751	4,545
192.50	4,498	2,187	193.02	4,756	4,593
192.51	4,503	2,232	193.03	4,761	4,641

Stage-Area-Storage for Pond B-55: Basin #55 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
193.04	4,766	4,688	193.56	5,032	7,236
193.05	4,772	4,736	193.57	5,037	7,286
193.06	4,777	4,784	193.58	5,042	7,337
193.07	4,782	4,831	193.59	5,047	7,387
193.08	4,787	4,879	193.60	5,053	7,438
193.09	4,792	4,927	193.61	5,058	7,488
193.10	4,797	4,975	193.62	5,063	7,539
193.11	4,802	5,023	193.63	5,068	7,589
193.12	4,807	5,071	193.64	5,073	7,640
193.13	4,812	5,119	193.65	5,078	7,691
193.14	4,818	5,167	193.66	5,083	7,742
193.15	4,823	5,216	193.67	5,088	7,793
193.16	4,828	5,264	193.68	5,093	7,843
193.17	4,833	5,312	193.69	5,099	7,894
193.18	4,838	5,361	193.70	5,104	7,945
193.19	4,843	5,409	193.71	5,109	7,996
193.20	4,848	5,457	193.72	5,114	8,048
193.21	4,853	5,506	193.73	5,119	8,099
193.22	4,858	5,554	193.74	5,124	8,150
193.23	4,864	5,603	193.75	5,129	8,201
193.24	4,869	5,652	193.76	5,134	8,253
193.25	4,874	5,700	193.77	5,139	8,304
193.26	4,879	5,749	193.78	5,145	8,355
193.27	4,884	5,798	193.79	5,150	8,407
193.28	4,889	5,847	193.80	5,155	8,458
193.29	4,894	5,896	193.81	5,160	8,510
193.30	4,899	5,945	193.82	5,165	8,562
193.31	4,904	5,994	193.83	5,170	8,613
193.32	4,910	6,043	193.84	5,175	8,665
193.33	4,915	6,092	193.85	5,180	8,717
193.34	4,920	6,141	193.86	5,185	8,769
193.35	4,925	6,190	193.87	5,191	8,820
193.36	4,930	6,240	193.88	5,196	8,872
193.37	4,935	6,289	193.89	5,201	8,924
193.38	4,940	6,338	193.90	5,206	8,976
193.39	4,945	6,388	193.91	5,211	9,028
193.40	4,950	6,437	193.92	5,216	9,081
193.41	4,956	6,487	193.93	5,221	9,133
193.42	4,961	6,536	193.94	5,226	9,185
193.43	4,966	6,586	193.95	5,231	9,237
193.44	4,971	6,636	193.96	5,237	9,290
193.45	4,976	6,685	193.97	5,242	9,342
193.46	4,981	6,735	193.98	5,247	9,394
193.47	4,986	6,785	193.99	5,252	9,447
193.48	4,991	6,835	194.00	5,257	9,500
193.49	4,996	6,885	194.01	5,262	9,552
193.50	5,002	6,935	194.02	5,268	9,605
193.51	5,007	6,985	194.03	5,273	9,657
193.52	5,012	7,035	194.04	5,278	9,710
193.53	5,017	7,085	194.05	5,283	9,763
193.54	5,022	7,135	194.06	5,289	9,816
193.55	5,027	7,186	194.07	5,294	9,869

Stage-Area-Storage for Pond B-55: Basin #55 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
194.08	5,299	9,922	194.60	5,573	12,749
194.09	5,304	9,975	194.61	5,578	12,804
194.10	5,310	10,028	194.62	5,584	12,860
194.11	5,315	10,081	194.63	5,589	12,916
194.12	5,320	10,134	194.64	5,594	12,972
194.13	5,326	10,187	194.65	5,600	13,028
194.14	5,331	10,241	194.66	5,605	13,084
194.15	5,336	10,294	194.67	5,610	13,140
194.16	5,341	10,347	194.68	5,615	13,196
194.17	5,347	10,401	194.69	5,621	13,252
194.18	5,352	10,454	194.70	5,626	13,309
194.19	5,357	10,508	194.71	5,631	13,365
194.20	5,362	10,561	194.72	5,636	13,421
194.21	5,368	10,615	194.73	5,642	13,478
194.22	5,373	10,669	194.74	5,647	13,534
194.23	5,378	10,723	194.75	5,652	13,590
194.24	5,383	10,776	194.76	5,658	13,647
194.25	5,389	10,830	194.77	5,663	13,704
194.26	5,394	10,884	194.78	5,668	13,760
194.27	5,399	10,938	194.79	5,673	13,817
194.28	5,405	10,992	194.80	5,679	13,874
194.29	5,410	11,046	194.81	5,684	13,931
194.30	5,415	11,100	194.82	5,689	13,987
194.31	5,420	11,154	194.83	5,694	14,044
194.32	5,426	11,209	194.84	5,700	14,101
194.33	5,431	11,263	194.85	5,705	14,158
194.34	5,436	11,317	194.86	5,710	14,215
194.35	5,441	11,372	194.87	5,715	14,273
194.36	5,447	11,426	194.88	5,721	14,330
194.37	5,452	11,481	194.89	5,726	14,387
194.38	5,457	11,535	194.90	5,731	14,444
194.39	5,463	11,590	194.91	5,737	14,502
194.40	5,468	11,644	194.92	5,742	14,559
194.41	5,473	11,699	194.93	5,747	14,616
194.42	5,478	11,754	194.94	5,752	14,674
194.43	5,484	11,809	194.95	5,758	14,731
194.44	5,489	11,864	194.96	5,763	14,789
194.45	5,494	11,919	194.97	5,768	14,847
194.46	5,499	11,973	194.98	5,773	14,904
194.47	5,505	12,028	194.99	5,779	14,962
194.48	5,510	12,084	195.00	5,784	15,020
194.49	5,515	12,139	195.01	5,789	15,078
194.50	5,521	12,194	195.02	5,795	15,136
194.51	5,526	12,249	195.03	5,800	15,194
194.52	5,531	12,304	195.04	5,806	15,252
194.53	5,536	12,360	195.05	5,811	15,310
194.54	5,542	12,415	195.06	5,817	15,368
194.55	5,547	12,471	195.07	5,822	15,426
194.56	5,552	12,526	195.08	5,827	15,484
194.57	5,557	12,582	195.09	5,833	15,543
194.58	5,563	12,637	195.10	5,838	15,601
194.59	5,568	12,693	195.11	5,844	15,660

Stage-Area-Storage for Pond B-55: Basin #55 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
195.12	5,849	15,718
195.13	5,855	15,777
195.14	5,860	15,835
195.15	5,865	15,894
195.16	5,871	15,952
195.17	5,876	16,011
195.18	5,882	16,070
195.19	5,887	16,129
195.20	5,893	16,188
195.21	5,898	16,247
195.22	5,903	16,306
195.23	5,909	16,365
195.24	5,914	16,424
195.25	5,920	16,483
195.26	5,925	16,542
195.27	5,931	16,601
195.28	5,936	16,661
195.29	5,941	16,720
195.30	5,947	16,780
195.31	5,952	16,839
195.32	5,958	16,899
195.33	5,963	16,958
195.34	5,969	17,018
195.35	5,974	17,078
195.36	5,979	17,137
195.37	5,985	17,197
195.38	5,990	17,257
195.39	5,996	17,317
195.40	6,001	17,377
195.41	6,007	17,437
195.42	6,012	17,497
195.43	6,017	17,557
195.44	6,023	17,618
195.45	6,028	17,678
195.46	6,034	17,738
195.47	6,039	17,798
195.48	6,045	17,859
195.49	6,050	17,919
195.50	6,056	17,980
195.51	6,061	18,040
195.52	6,066	18,101
195.53	6,072	18,162
195.54	6,077	18,223
195.55	6,083	18,283
195.56	6,088	18,344
195.57	6,094	18,405
195.58	6,099	18,466
195.59	6,104	18,527
195.60	6,110	18,588
195.61	6,115	18,649
195.62	6,121	18,710
195.63	6,126	18,772
195.64	6,132	18,833
195.65	6,137	18,894
195.66	6,142	18,956
195.67	6,148	19,017
195.68	6,153	19,079
195.69	6,159	19,140
195.70	6,164	19,202
195.71	6,170	19,264
195.72	6,175	19,325
195.73	6,180	19,387
195.74	6,186	19,449
195.75	6,191	19,511
195.76	6,197	19,573
195.77	6,202	19,635
195.78	6,208	19,697
195.79	6,213	19,759
195.80	6,218	19,821
195.81	6,224	19,883
195.82	6,229	19,945
195.83	6,235	20,008
195.84	6,240	20,070
195.85	6,246	20,133
195.86	6,251	20,195
195.87	6,256	20,258
195.88	6,262	20,320
195.89	6,267	20,383
195.90	6,273	20,446
195.91	6,278	20,508
195.92	6,284	20,571
195.93	6,289	20,634
195.94	6,294	20,697
195.95	6,300	20,760
195.96	6,305	20,823
195.97	6,311	20,886
195.98	6,316	20,949
195.99	6,322	21,012
196.00	**6,327**	**21,076**

Summary for Pond B-56: Basin #56

Inflow Area = 1.512 ac, 31.08% Impervious, Inflow Depth = 1.75" for Current 2 yr event
Inflow = 3.57 cfs @ 12.09 hrs, Volume= 0.221 af
Outflow = 0.13 cfs @ 14.55 hrs, Volume= 0.167 af, Atten= 96%, Lag= 147.6 min
Primary = 0.13 cfs @ 14.55 hrs, Volume= 0.167 af
Routed to Pond B-51 : Basin #51

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 193.18' @ 14.55 hrs Surf.Area= 5,576 sf Storage= 6,237 cf

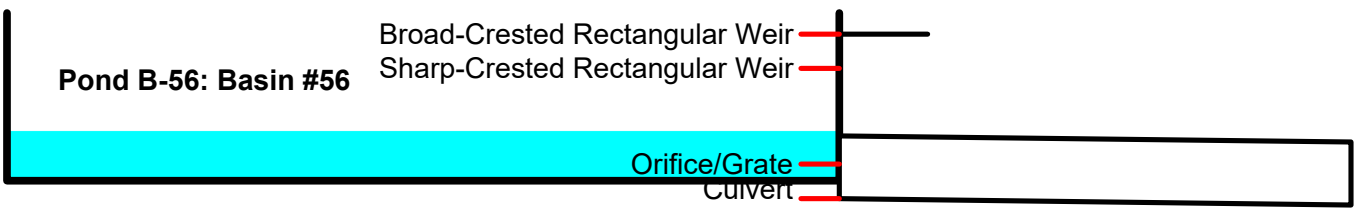
Plug-Flow detention time= 548.1 min calculated for 0.167 af (76% of inflow)
Center-of-Mass det. time= 453.4 min (1,254.2 - 800.8)

Volume	Invert	Avail.Storage	Storage Description
#1	192.00'	23,952 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

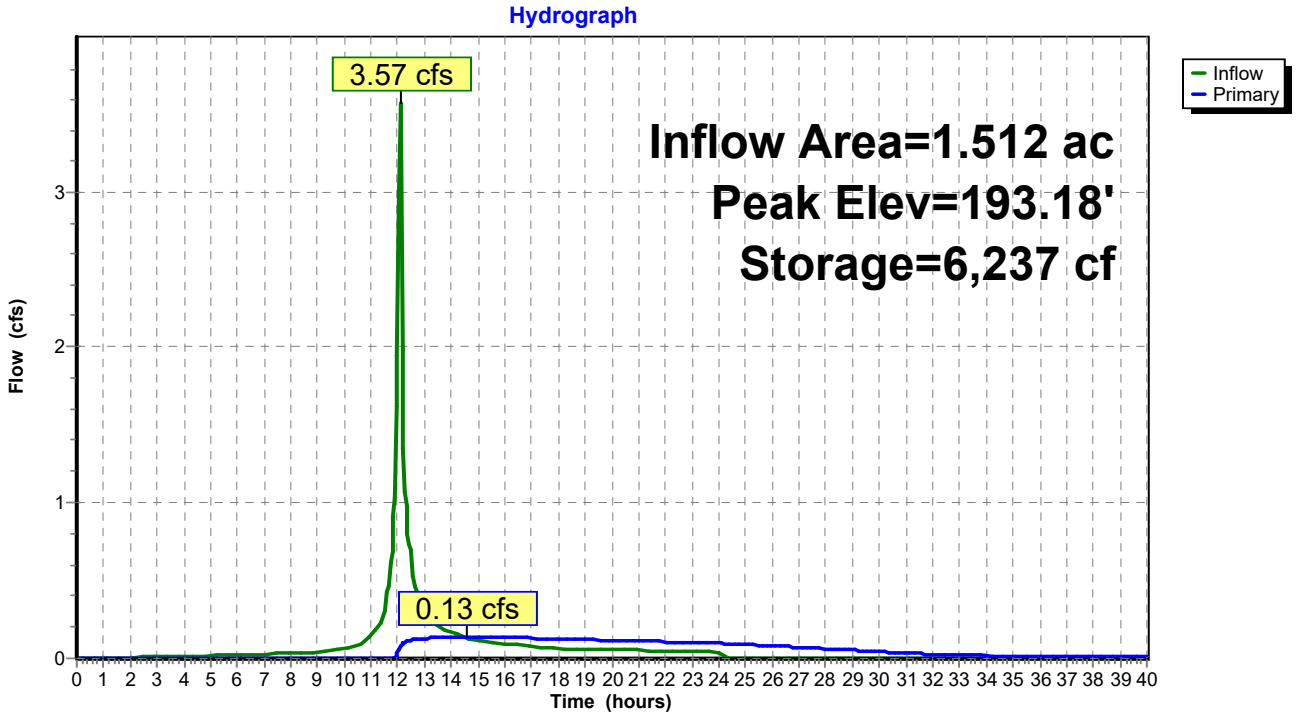
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
192.00	5,021	0	0
193.00	5,490	5,256	5,256
194.00	5,976	5,733	10,989
195.00	6,478	6,227	17,216
196.00	6,995	6,737	23,952

Device	Routing	Invert	Outlet Devices
#1	Primary	191.57'	**18.0" Round Culvert** L= 29.0' Ke= 0.500 Inlet / Outlet Invert= 191.57' / 191.42' S= 0.0052 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	192.40'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	194.68'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	195.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.13 cfs @ 14.55 hrs HW=193.18' (Free Discharge)
- **1=Culvert** (Passes 0.13 cfs of 6.57 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.13 cfs @ 3.95 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-56: Basin #56



Hydrograph for Pond B-56: Basin #56

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	192.00	0.00
0.10	0.00	0	192.00	0.00
0.20	0.00	0	192.00	0.00
0.30	0.00	0	192.00	0.00
0.40	0.00	0	192.00	0.00
0.50	0.00	0	192.00	0.00
0.60	0.00	0	192.00	0.00
0.70	0.00	0	192.00	0.00
0.80	0.00	0	192.00	0.00
0.90	0.00	0	192.00	0.00
1.00	0.00	0	192.00	0.00
1.10	0.00	0	192.00	0.00
1.20	0.00	0	192.00	0.00
1.30	0.00	0	192.00	0.00
1.40	0.00	1	192.00	0.00
1.50	0.00	1	192.00	0.00
1.60	0.00	2	192.00	0.00
1.70	0.00	3	192.00	0.00
1.80	0.00	5	192.00	0.00
1.90	0.00	6	192.00	0.00
2.00	0.01	8	192.00	0.00
2.10	0.01	10	192.00	0.00
2.20	0.01	12	192.00	0.00
2.30	0.01	14	192.00	0.00
2.40	0.01	17	192.00	0.00
2.50	0.01	19	192.00	0.00
2.60	0.01	22	192.00	0.00
2.70	0.01	25	192.00	0.00
2.80	0.01	28	192.01	0.00
2.90	0.01	32	192.01	0.00
3.00	0.01	35	192.01	0.00
3.10	0.01	39	192.01	0.00
3.20	0.01	42	192.01	0.00
3.30	0.01	46	192.01	0.00
3.40	0.01	50	192.01	0.00
3.50	0.01	54	192.01	0.00
3.60	0.01	59	192.01	0.00
3.70	0.01	63	192.01	0.00
3.80	0.01	68	192.01	0.00
3.90	0.01	72	192.01	0.00
4.00	0.01	77	192.02	0.00
4.10	0.01	82	192.02	0.00
4.20	0.01	87	192.02	0.00
4.30	0.01	92	192.02	0.00
4.40	0.01	98	192.02	0.00
4.50	0.02	103	192.02	0.00
4.60	0.02	109	192.02	0.00
4.70	0.02	114	192.02	0.00
4.80	0.02	120	192.02	0.00
4.90	0.02	126	192.03	0.00
5.00	0.02	132	192.03	0.00
5.10	0.02	138	192.03	0.00

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.02	145	192.03	0.00
5.30	0.02	151	192.03	0.00
5.40	0.02	157	192.03	0.00
5.50	0.02	164	192.03	0.00
5.60	0.02	171	192.03	0.00
5.70	0.02	177	192.04	0.00
5.80	0.02	184	192.04	0.00
5.90	0.02	191	192.04	0.00
6.00	0.02	198	192.04	0.00
6.10	0.02	205	192.04	0.00
6.20	0.02	213	192.04	0.00
6.30	0.02	221	192.04	0.00
6.40	0.02	228	192.05	0.00
6.50	0.02	237	192.05	0.00
6.60	0.02	245	192.05	0.00
6.70	0.02	254	192.05	0.00
6.80	0.02	263	192.05	0.00
6.90	0.03	272	192.05	0.00
7.00	0.03	281	192.06	0.00
7.10	0.03	291	192.06	0.00
7.20	0.03	300	192.06	0.00
7.30	0.03	311	192.06	0.00
7.40	0.03	321	192.06	0.00
7.50	0.03	332	192.07	0.00
7.60	0.03	342	192.07	0.00
7.70	0.03	353	192.07	0.00
7.80	0.03	365	192.07	0.00
7.90	0.03	376	192.07	0.00
8.00	0.03	388	192.08	0.00
8.10	0.03	400	192.08	0.00
8.20	0.03	413	192.08	0.00
8.30	0.04	425	192.08	0.00
8.40	0.04	438	192.09	0.00
8.50	0.04	451	192.09	0.00
8.60	0.04	464	192.09	0.00
8.70	0.04	478	192.09	0.00
8.80	0.04	492	192.10	0.00
8.90	0.04	506	192.10	0.00
9.00	0.04	520	192.10	0.00
9.10	0.04	535	192.11	0.00
9.20	0.04	551	192.11	0.00
9.30	0.05	568	192.11	0.00
9.40	0.05	585	192.12	0.00
9.50	0.05	603	192.12	0.00
9.60	0.05	622	192.12	0.00
9.70	0.06	642	192.13	0.00
9.80	0.06	663	192.13	0.00
9.90	0.06	685	192.14	0.00
10.00	0.06	707	192.14	0.00
10.10	0.07	731	192.14	0.00
10.20	0.07	755	192.15	0.00
10.30	0.07	780	192.15	0.00

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.07	806	192.16	0.00
10.50	0.08	833	192.16	0.00
10.60	0.08	862	192.17	0.00
10.70	0.10	895	192.18	0.00
10.80	0.11	932	192.18	0.00
10.90	0.12	973	192.19	0.00
11.00	0.13	1,019	192.20	0.00
11.10	0.16	1,073	192.21	0.00
11.20	0.18	1,134	192.22	0.00
11.30	0.21	1,206	192.24	0.00
11.40	0.24	1,287	192.25	0.00
11.50	0.27	1,378	192.27	0.00
11.60	0.43	1,509	192.30	0.00
11.70	0.48	1,672	192.33	0.00
11.80	0.69	1,888	192.37	0.00
11.90	1.04	2,207	192.43	0.00
12.00	1.95	2,762	192.54	0.03
12.10	**3.50**	3,775	192.73	0.08
12.20	1.35	4,537	192.87	0.10
12.30	0.98	4,902	192.94	0.11
12.40	0.73	5,159	192.98	0.11
12.50	0.69	5,372	193.02	0.12
12.60	0.46	5,527	193.05	0.12
12.70	0.43	5,641	193.07	0.12
12.80	0.39	5,743	193.09	0.13
12.90	0.36	5,832	193.10	0.13
13.00	0.32	5,907	193.12	0.13
13.10	0.28	5,968	193.13	0.13
13.20	0.26	6,020	193.14	0.13
13.30	0.25	6,063	193.15	0.13
13.40	0.22	6,100	193.15	0.13
13.50	0.20	6,129	193.16	0.13
13.60	0.18	6,150	193.16	0.13
13.70	0.18	6,168	193.16	0.13
13.80	0.17	6,183	193.17	0.13
13.90	0.17	6,197	193.17	0.13
14.00	0.16	6,208	193.17	0.13
14.10	0.16	6,218	193.17	0.13
14.20	0.15	6,225	193.18	0.13
14.30	0.15	6,231	193.18	0.13
14.40	0.14	6,235	193.18	0.13
14.50	0.14	**6,237**	**193.18**	**0.13**
14.60	0.13	**6,237**	**193.18**	**0.13**
14.70	0.13	6,235	193.18	0.13
14.80	0.12	6,231	193.18	0.13
14.90	0.12	6,225	193.18	0.13
15.00	0.11	6,217	193.17	0.13
15.10	0.11	6,207	193.17	0.13
15.20	0.10	6,197	193.17	0.13
15.30	0.10	6,186	193.17	0.13
15.40	0.10	6,174	193.17	0.13
15.50	0.10	6,162	193.16	0.13

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.10	6,150	193.16	0.13
15.70	0.10	6,137	193.16	0.13
15.80	0.10	6,124	193.16	0.13
15.90	0.09	6,110	193.15	0.13
16.00	0.09	6,096	193.15	0.13
16.10	0.09	6,081	193.15	0.13
16.20	0.09	6,067	193.15	0.13
16.30	0.09	6,051	193.14	0.13
16.40	0.09	6,036	193.14	0.13
16.50	0.09	6,019	193.14	0.13
16.60	0.08	6,003	193.14	0.13
16.70	0.08	5,986	193.13	0.13
16.80	0.08	5,969	193.13	0.13
16.90	0.08	5,951	193.13	0.13
17.00	0.08	5,933	193.12	0.13
17.10	0.08	5,914	193.12	0.13
17.20	0.08	5,895	193.12	0.13
17.30	0.07	5,876	193.11	0.13
17.40	0.07	5,856	193.11	0.13
17.50	0.07	5,836	193.11	0.13
17.60	0.07	5,816	193.10	0.13
17.70	0.07	5,795	193.10	0.13
17.80	0.07	5,773	193.09	0.13
17.90	0.07	5,752	193.09	0.13
18.00	0.06	5,730	193.09	0.13
18.10	0.06	5,707	193.08	0.12
18.20	0.06	5,685	193.08	0.12
18.30	0.06	5,662	193.07	0.12
18.40	0.06	5,640	193.07	0.12
18.50	0.06	5,617	193.07	0.12
18.60	0.06	5,595	193.06	0.12
18.70	0.06	5,572	193.06	0.12
18.80	0.06	5,550	193.05	0.12
18.90	0.06	5,527	193.05	0.12
19.00	0.06	5,505	193.05	0.12
19.10	0.06	5,483	193.04	0.12
19.20	0.06	5,461	193.04	0.12
19.30	0.06	5,438	193.03	0.12
19.40	0.06	5,416	193.03	0.12
19.50	0.06	5,394	193.03	0.12
19.60	0.06	5,372	193.02	0.12
19.70	0.06	5,350	193.02	0.12
19.80	0.06	5,328	193.01	0.12
19.90	0.06	5,306	193.01	0.12
20.00	0.06	5,284	193.01	0.12
20.10	0.05	5,262	193.00	0.12
20.20	0.05	5,240	193.00	0.12
20.30	0.05	5,218	192.99	0.11
20.40	0.05	5,197	192.99	0.11
20.50	0.05	5,175	192.99	0.11
20.60	0.05	5,153	192.98	0.11
20.70	0.05	5,132	192.98	0.11

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.05	5,110	192.97	0.11
20.90	0.05	5,088	192.97	0.11
21.00	0.05	5,067	192.97	0.11
21.10	0.05	5,045	192.96	0.11
21.20	0.05	5,024	192.96	0.11
21.30	0.05	5,002	192.95	0.11
21.40	0.05	4,981	192.95	0.11
21.50	0.05	4,960	192.95	0.11
21.60	0.05	4,938	192.94	0.11
21.70	0.05	4,917	192.94	0.11
21.80	0.05	4,896	192.93	0.11
21.90	0.05	4,875	192.93	0.11
22.00	0.05	4,853	192.93	0.11
22.10	0.05	4,832	192.92	0.11
22.20	0.05	4,811	192.92	0.11
22.30	0.05	4,790	192.91	0.11
22.40	0.05	4,769	192.91	0.10
22.50	0.05	4,748	192.91	0.10
22.60	0.05	4,727	192.90	0.10
22.70	0.05	4,707	192.90	0.10
22.80	0.04	4,686	192.90	0.10
22.90	0.04	4,665	192.89	0.10
23.00	0.04	4,644	192.89	0.10
23.10	0.04	4,624	192.88	0.10
23.20	0.04	4,603	192.88	0.10
23.30	0.04	4,582	192.88	0.10
23.40	0.04	4,562	192.87	0.10
23.50	0.04	4,541	192.87	0.10
23.60	0.04	4,521	192.87	0.10
23.70	0.04	4,501	192.86	0.10
23.80	0.04	4,480	192.86	0.10
23.90	0.04	4,460	192.85	0.10
24.00	0.05	4,442	192.85	0.10
24.10	0.00	4,414	192.85	0.10
24.20	0.00	4,380	192.84	0.10
24.30	0.00	4,346	192.83	0.09
24.40	0.00	4,312	192.83	0.09
24.50	0.00	4,279	192.82	0.09
24.60	0.00	4,246	192.81	0.09
24.70	0.00	4,213	192.81	0.09
24.80	0.00	4,181	192.80	0.09
24.90	0.00	4,149	192.80	0.09
25.00	0.00	4,117	192.79	0.09
25.10	0.00	4,085	192.78	0.09
25.20	0.00	4,054	192.78	0.09
25.30	0.00	4,023	192.77	0.09
25.40	0.00	3,993	192.77	0.08
25.50	0.00	3,963	192.76	0.08
25.60	0.00	3,933	192.76	0.08
25.70	0.00	3,903	192.75	0.08
25.80	0.00	3,874	192.75	0.08
25.90	0.00	3,845	192.74	0.08

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	3,817	192.73	0.08
26.10	0.00	3,789	192.73	0.08
26.20	0.00	3,761	192.72	0.08
26.30	0.00	3,733	192.72	0.08
26.40	0.00	3,706	192.71	0.08
26.50	0.00	3,679	192.71	0.07
26.60	0.00	3,653	192.70	0.07
26.70	0.00	3,626	192.70	0.07
26.80	0.00	3,600	192.69	0.07
26.90	0.00	3,575	192.69	0.07
27.00	0.00	3,550	192.69	0.07
27.10	0.00	3,525	192.68	0.07
27.20	0.00	3,500	192.68	0.07
27.30	0.00	3,476	192.67	0.07
27.40	0.00	3,452	192.67	0.07
27.50	0.00	3,428	192.66	0.07
27.60	0.00	3,405	192.66	0.06
27.70	0.00	3,382	192.65	0.06
27.80	0.00	3,359	192.65	0.06
27.90	0.00	3,337	192.65	0.06
28.00	0.00	3,315	192.64	0.06
28.10	0.00	3,293	192.64	0.06
28.20	0.00	3,272	192.63	0.06
28.30	0.00	3,251	192.63	0.06
28.40	0.00	3,230	192.63	0.06
28.50	0.00	3,210	192.62	0.06
28.60	0.00	3,190	192.62	0.06
28.70	0.00	3,170	192.61	0.05
28.80	0.00	3,151	192.61	0.05
28.90	0.00	3,131	192.61	0.05
29.00	0.00	3,113	192.60	0.05
29.10	0.00	3,094	192.60	0.05
29.20	0.00	3,076	192.60	0.05
29.30	0.00	3,058	192.59	0.05
29.40	0.00	3,041	192.59	0.05
29.50	0.00	3,024	192.59	0.05
29.60	0.00	3,007	192.58	0.05
29.70	0.00	2,991	192.58	0.04
29.80	0.00	2,975	192.58	0.04
29.90	0.00	2,959	192.57	0.04
30.00	0.00	2,944	192.57	0.04
30.10	0.00	2,929	192.57	0.04
30.20	0.00	2,915	192.57	0.04
30.30	0.00	2,900	192.56	0.04
30.40	0.00	2,886	192.56	0.04
30.50	0.00	2,873	192.56	0.04
30.60	0.00	2,859	192.56	0.04
30.70	0.00	2,846	192.55	0.04
30.80	0.00	2,834	192.55	0.03
30.90	0.00	2,821	192.55	0.03
31.00	0.00	2,809	192.55	0.03
31.10	0.00	2,798	192.54	0.03

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	2,786	192.54	0.03
31.30	0.00	2,775	192.54	0.03
31.40	0.00	2,764	192.54	0.03
31.50	0.00	2,753	192.53	0.03
31.60	0.00	2,743	192.53	0.03
31.70	0.00	2,733	192.53	0.03
31.80	0.00	2,723	192.53	0.03
31.90	0.00	2,713	192.53	0.03
32.00	0.00	2,704	192.53	0.03
32.10	0.00	2,694	192.52	0.03
32.20	0.00	2,685	192.52	0.02
32.30	0.00	2,677	192.52	0.02
32.40	0.00	2,668	192.52	0.02
32.50	0.00	2,660	192.52	0.02
32.60	0.00	2,651	192.52	0.02
32.70	0.00	2,643	192.51	0.02
32.80	0.00	2,635	192.51	0.02
32.90	0.00	2,628	192.51	0.02
33.00	0.00	2,620	192.51	0.02
33.10	0.00	2,613	192.51	0.02
33.20	0.00	2,605	192.51	0.02
33.30	0.00	2,598	192.51	0.02
33.40	0.00	2,591	192.50	0.02
33.50	0.00	2,585	192.50	0.02
33.60	0.00	2,578	192.50	0.02
33.70	0.00	2,571	192.50	0.02
33.80	0.00	2,565	192.50	0.02
33.90	0.00	2,559	192.50	0.02
34.00	0.00	2,553	192.50	0.02
34.10	0.00	2,547	192.50	0.02
34.20	0.00	2,541	192.49	0.02
34.30	0.00	2,535	192.49	0.02
34.40	0.00	2,529	192.49	0.02
34.50	0.00	2,524	192.49	0.02
34.60	0.00	2,519	192.49	0.01
34.70	0.00	2,513	192.49	0.01
34.80	0.00	2,508	192.49	0.01
34.90	0.00	2,503	192.49	0.01
35.00	0.00	2,498	192.49	0.01
35.10	0.00	2,493	192.49	0.01
35.20	0.00	2,488	192.48	0.01
35.30	0.00	2,484	192.48	0.01
35.40	0.00	2,479	192.48	0.01
35.50	0.00	2,475	192.48	0.01
35.60	0.00	2,470	192.48	0.01
35.70	0.00	2,466	192.48	0.01
35.80	0.00	2,462	192.48	0.01
35.90	0.00	2,458	192.48	0.01
36.00	0.00	2,454	192.48	0.01
36.10	0.00	2,450	192.48	0.01
36.20	0.00	2,446	192.48	0.01
36.30	0.00	2,442	192.48	0.01

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	2,438	192.48	0.01
36.50	0.00	2,434	192.47	0.01
36.60	0.00	2,431	192.47	0.01
36.70	0.00	2,427	192.47	0.01
36.80	0.00	2,423	192.47	0.01
36.90	0.00	2,420	192.47	0.01
37.00	0.00	2,416	192.47	0.01
37.10	0.00	2,413	192.47	0.01
37.20	0.00	2,409	192.47	0.01
37.30	0.00	2,406	192.47	0.01
37.40	0.00	2,403	192.47	0.01
37.50	0.00	2,400	192.47	0.01
37.60	0.00	2,396	192.47	0.01
37.70	0.00	2,393	192.47	0.01
37.80	0.00	2,390	192.47	0.01
37.90	0.00	2,387	192.47	0.01
38.00	0.00	2,384	192.46	0.01
38.10	0.00	2,381	192.46	0.01
38.20	0.00	2,378	192.46	0.01
38.30	0.00	2,375	192.46	0.01
38.40	0.00	2,372	192.46	0.01
38.50	0.00	2,369	192.46	0.01
38.60	0.00	2,367	192.46	0.01
38.70	0.00	2,364	192.46	0.01
38.80	0.00	2,361	192.46	0.01
38.90	0.00	2,359	192.46	0.01
39.00	0.00	2,356	192.46	0.01
39.10	0.00	2,353	192.46	0.01
39.20	0.00	2,351	192.46	0.01
39.30	0.00	2,348	192.46	0.01
39.40	0.00	2,346	192.46	0.01
39.50	0.00	2,343	192.46	0.01
39.60	0.00	2,341	192.46	0.01
39.70	0.00	2,339	192.46	0.01
39.80	0.00	2,336	192.46	0.01
39.90	0.00	2,334	192.46	0.01
40.00	0.00	2,332	192.45	0.01

Stage-Discharge for Pond B-56: Basin #56

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
192.00	0.00	192.52	0.02	193.04	0.12	193.56	0.17
192.01	0.00	192.53	0.03	193.05	0.12	193.57	0.17
192.02	0.00	192.54	0.03	193.06	0.12	193.58	0.17
192.03	0.00	192.55	0.03	193.07	0.12	193.59	0.17
192.04	0.00	192.56	0.04	193.08	0.12	193.60	0.17
192.05	0.00	192.57	0.04	193.09	0.13	193.61	0.17
192.06	0.00	192.58	0.05	193.10	0.13	193.62	0.17
192.07	0.00	192.59	0.05	193.11	0.13	193.63	0.17
192.08	0.00	192.60	0.05	193.12	0.13	193.64	0.17
192.09	0.00	192.61	0.05	193.13	0.13	193.65	0.18
192.10	0.00	192.62	0.06	193.14	0.13	193.66	0.18
192.11	0.00	192.63	0.06	193.15	0.13	193.67	0.18
192.12	0.00	192.64	0.06	193.16	0.13	193.68	0.18
192.13	0.00	192.65	0.06	193.17	0.13	193.69	0.18
192.14	0.00	192.66	0.06	193.18	0.13	193.70	0.18
192.15	0.00	192.67	0.07	193.19	0.14	193.71	0.18
192.16	0.00	192.68	0.07	193.20	0.14	193.72	0.18
192.17	0.00	192.69	0.07	193.21	0.14	193.73	0.18
192.18	0.00	192.70	0.07	193.22	0.14	193.74	0.18
192.19	0.00	192.71	0.07	193.23	0.14	193.75	0.18
192.20	0.00	192.72	0.08	193.24	0.14	193.76	0.18
192.21	0.00	192.73	0.08	193.25	0.14	193.77	0.18
192.22	0.00	192.74	0.08	193.26	0.14	193.78	0.19
192.23	0.00	192.75	0.08	193.27	0.14	193.79	0.19
192.24	0.00	192.76	0.08	193.28	0.14	193.80	0.19
192.25	0.00	192.77	0.08	193.29	0.15	193.81	0.19
192.26	0.00	192.78	0.09	193.30	0.15	193.82	0.19
192.27	0.00	192.79	0.09	193.31	0.15	193.83	0.19
192.28	0.00	192.80	0.09	193.32	0.15	193.84	0.19
192.29	0.00	192.81	0.09	193.33	0.15	193.85	0.19
192.30	0.00	192.82	0.09	193.34	0.15	193.86	0.19
192.31	0.00	192.83	0.09	193.35	0.15	193.87	0.19
192.32	0.00	192.84	0.10	193.36	0.15	193.88	0.19
192.33	0.00	192.85	0.10	193.37	0.15	193.89	0.19
192.34	0.00	192.86	0.10	193.38	0.15	193.90	0.19
192.35	0.00	192.87	0.10	193.39	0.15	193.91	0.19
192.36	0.00	192.88	0.10	193.40	0.16	193.92	0.20
192.37	0.00	192.89	0.10	193.41	0.16	193.93	0.20
192.38	0.00	192.90	0.10	193.42	0.16	193.94	0.20
192.39	0.00	192.91	0.10	193.43	0.16	193.95	0.20
192.40	0.00	192.92	0.11	193.44	0.16	193.96	0.20
192.41	0.00	192.93	0.11	193.45	0.16	193.97	0.20
192.42	0.00	192.94	0.11	193.46	0.16	193.98	0.20
192.43	0.00	192.95	0.11	193.47	0.16	193.99	0.20
192.44	0.00	192.96	0.11	193.48	0.16	194.00	0.20
192.45	0.00	192.97	0.11	193.49	0.16	194.01	0.20
192.46	0.01	192.98	0.11	193.50	0.16	194.02	0.20
192.47	0.01	192.99	0.11	193.51	0.16	194.03	0.20
192.48	0.01	193.00	0.12	193.52	0.17	194.04	0.20
192.49	0.01	193.01	0.12	193.53	0.17	194.05	0.20
192.50	0.02	193.02	0.12	193.54	0.17	194.06	0.20
192.51	0.02	193.03	0.12	193.55	0.17	194.07	0.21

Stage-Discharge for Pond B-56: Basin #56 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
194.08	0.21	194.60	0.24	195.12	4.00	195.64	18.17
194.09	0.21	194.61	0.24	195.13	4.13	195.65	19.03
194.10	0.21	194.62	0.24	195.14	4.25	195.66	19.90
194.11	0.21	194.63	0.24	195.15	4.38	195.67	20.81
194.12	0.21	194.64	0.24	195.16	4.51	195.68	21.73
194.13	0.21	194.65	0.24	195.17	4.64	195.69	22.68
194.14	0.21	194.66	0.24	195.18	4.78	195.70	23.65
194.15	0.21	194.67	0.24	195.19	4.91	195.71	24.67
194.16	0.21	194.68	0.24	195.20	5.05	195.72	25.73
194.17	0.21	194.69	0.26	195.21	5.18	195.73	26.81
194.18	0.21	194.70	0.28	195.22	5.32	195.74	27.92
194.19	0.21	194.71	0.31	195.23	5.46	195.75	29.05
194.20	0.21	194.72	0.35	195.24	5.60	195.76	30.21
194.21	0.21	194.73	0.39	195.25	5.74	195.77	31.40
194.22	0.22	194.74	0.44	195.26	5.88	195.78	32.61
194.23	0.22	194.75	0.49	195.27	6.03	195.79	33.84
194.24	0.22	194.76	0.54	195.28	6.17	195.80	35.10
194.25	0.22	194.77	0.60	195.29	6.32	195.81	36.39
194.26	0.22	194.78	0.66	195.30	6.46	195.82	37.70
194.27	0.22	194.79	0.72	195.31	6.61	195.83	39.04
194.28	0.22	194.80	0.79	195.32	6.76	195.84	40.40
194.29	0.22	194.81	0.86	195.33	6.91	195.85	41.78
194.30	0.22	194.82	0.93	195.34	7.06	195.86	43.12
194.31	0.22	194.83	1.00	195.35	7.21	195.87	44.39
194.32	0.22	194.84	1.08	195.36	7.36	195.88	45.68
194.33	0.22	194.85	1.16	195.37	7.52	195.89	46.99
194.34	0.22	194.86	1.24	195.38	7.67	195.90	48.33
194.35	0.22	194.87	1.33	195.39	7.83	195.91	49.72
194.36	0.22	194.88	1.41	195.40	7.98	195.92	51.13
194.37	0.22	194.89	1.50	195.41	8.14	195.93	52.57
194.38	0.22	194.90	1.59	195.42	8.30	195.94	54.04
194.39	0.23	194.91	1.68	195.43	8.46	195.95	55.53
194.40	0.23	194.92	1.77	195.44	8.62	195.96	57.05
194.41	0.23	194.93	1.87	195.45	8.78	195.97	58.59
194.42	0.23	194.94	1.97	195.46	8.94	195.98	60.17
194.43	0.23	194.95	2.07	195.47	9.10	195.99	61.76
194.44	0.23	194.96	2.17	195.48	9.27	196.00	**63.39**
194.45	0.23	194.97	2.27	195.49	9.43		
194.46	0.23	194.98	2.38	195.50	9.60		
194.47	0.23	194.99	2.48	195.51	9.88		
194.48	0.23	195.00	2.59	195.52	10.26		
194.49	0.23	195.01	2.70	195.53	10.71		
194.50	0.23	195.02	2.81	195.54	11.21		
194.51	0.23	195.03	2.92	195.55	11.75		
194.52	0.23	195.04	3.04	195.56	12.33		
194.53	0.23	195.05	3.15	195.57	12.96		
194.54	0.23	195.06	3.27	195.58	13.61		
194.55	0.23	195.07	3.39	195.59	14.30		
194.56	0.24	195.08	3.51	195.60	15.02		
194.57	0.24	195.09	3.63	195.61	15.77		
194.58	0.24	195.10	3.75	195.62	16.54		
194.59	0.24	195.11	3.87	195.63	17.34		

Stage-Area-Storage for Pond B-56: Basin #56

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
192.00	5,021	0	192.52	5,265	2,674
192.01	5,026	50	192.53	5,270	2,727
192.02	5,030	101	192.54	5,274	2,780
192.03	5,035	151	192.55	5,279	2,832
192.04	5,040	201	192.56	5,284	2,885
192.05	5,044	252	192.57	5,288	2,938
192.06	5,049	302	192.58	5,293	2,991
192.07	5,054	353	192.59	5,298	3,044
192.08	5,059	403	192.60	5,302	3,097
192.09	5,063	454	192.61	5,307	3,150
192.10	5,068	504	192.62	5,312	3,203
192.11	5,073	555	192.63	5,316	3,256
192.12	5,077	606	192.64	5,321	3,309
192.13	5,082	657	192.65	5,326	3,363
192.14	5,087	708	192.66	5,331	3,416
192.15	5,091	758	192.67	5,335	3,469
192.16	5,096	809	192.68	5,340	3,523
192.17	5,101	860	192.69	5,345	3,576
192.18	5,105	911	192.70	5,349	3,630
192.19	5,110	962	192.71	5,354	3,683
192.20	5,115	1,014	192.72	5,359	3,737
192.21	5,119	1,065	192.73	5,363	3,790
192.22	5,124	1,116	192.74	5,368	3,844
192.23	5,129	1,167	192.75	5,373	3,898
192.24	5,134	1,219	192.76	5,377	3,951
192.25	5,138	1,270	192.77	5,382	4,005
192.26	5,143	1,321	192.78	5,387	4,059
192.27	5,148	1,373	192.79	5,392	4,113
192.28	5,152	1,424	192.80	5,396	4,167
192.29	5,157	1,476	192.81	5,401	4,221
192.30	5,162	1,527	192.82	5,406	4,275
192.31	5,166	1,579	192.83	5,410	4,329
192.32	5,171	1,631	192.84	5,415	4,383
192.33	5,176	1,682	192.85	5,420	4,437
192.34	5,180	1,734	192.86	5,424	4,491
192.35	5,185	1,786	192.87	5,429	4,546
192.36	5,190	1,838	192.88	5,434	4,600
192.37	5,195	1,890	192.89	5,438	4,654
192.38	5,199	1,942	192.90	5,443	4,709
192.39	5,204	1,994	192.91	5,448	4,763
192.40	5,209	2,046	192.92	5,452	4,818
192.41	5,213	2,098	192.93	5,457	4,872
192.42	5,218	2,150	192.94	5,462	4,927
192.43	5,223	2,202	192.95	5,467	4,982
192.44	5,227	2,255	192.96	5,471	5,036
192.45	5,232	2,307	192.97	5,476	5,091
192.46	5,237	2,359	192.98	5,481	5,146
192.47	5,241	2,412	192.99	5,485	5,201
192.48	5,246	2,464	193.00	5,490	5,256
192.49	5,251	2,517	193.01	5,495	5,310
192.50	5,256	2,569	193.02	5,500	5,365
192.51	5,260	2,622	193.03	5,505	5,420

Stage-Area-Storage for Pond B-56: Basin #56 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
193.04	5,509	5,475	193.56	5,762	8,406
193.05	5,514	5,531	193.57	5,767	8,464
193.06	5,519	5,586	193.58	5,772	8,521
193.07	5,524	5,641	193.59	5,777	8,579
193.08	5,529	5,696	193.60	5,782	8,637
193.09	5,534	5,752	193.61	5,786	8,695
193.10	5,539	5,807	193.62	5,791	8,753
193.11	5,543	5,862	193.63	5,796	8,811
193.12	5,548	5,918	193.64	5,801	8,869
193.13	5,553	5,973	193.65	5,806	8,927
193.14	5,558	6,029	193.66	5,811	8,985
193.15	5,563	6,084	193.67	5,816	9,043
193.16	5,568	6,140	193.68	5,820	9,101
193.17	5,573	6,196	193.69	5,825	9,159
193.18	5,577	6,252	193.70	5,830	9,218
193.19	5,582	6,307	193.71	5,835	9,276
193.20	5,587	6,363	193.72	5,840	9,334
193.21	5,592	6,419	193.73	5,845	9,393
193.22	5,597	6,475	193.74	5,850	9,451
193.23	5,602	6,531	193.75	5,855	9,510
193.24	5,607	6,587	193.76	5,859	9,568
193.25	5,612	6,643	193.77	5,864	9,627
193.26	5,616	6,699	193.78	5,869	9,686
193.27	5,621	6,756	193.79	5,874	9,744
193.28	5,626	6,812	193.80	5,879	9,803
193.29	5,631	6,868	193.81	5,884	9,862
193.30	5,636	6,924	193.82	5,889	9,921
193.31	5,641	6,981	193.83	5,893	9,980
193.32	5,646	7,037	193.84	5,898	10,039
193.33	5,650	7,094	193.85	5,903	10,098
193.34	5,655	7,150	193.86	5,908	10,157
193.35	5,660	7,207	193.87	5,913	10,216
193.36	5,665	7,263	193.88	5,918	10,275
193.37	5,670	7,320	193.89	5,923	10,334
193.38	5,675	7,377	193.90	5,927	10,393
193.39	5,680	7,434	193.91	5,932	10,453
193.40	5,684	7,490	193.92	5,937	10,512
193.41	5,689	7,547	193.93	5,942	10,571
193.42	5,694	7,604	193.94	5,947	10,631
193.43	5,699	7,661	193.95	5,952	10,690
193.44	5,704	7,718	193.96	5,957	10,750
193.45	5,709	7,775	193.97	5,961	10,809
193.46	5,714	7,832	193.98	5,966	10,869
193.47	5,718	7,889	193.99	5,971	10,929
193.48	5,723	7,947	194.00	5,976	10,989
193.49	5,728	8,004	194.01	5,981	11,048
193.50	5,733	8,061	194.02	5,986	11,108
193.51	5,738	8,119	194.03	5,991	11,168
193.52	5,743	8,176	194.04	5,996	11,228
193.53	5,748	8,233	194.05	6,001	11,288
193.54	5,752	8,291	194.06	6,006	11,348
193.55	5,757	8,349	194.07	6,011	11,408

Stage-Area-Storage for Pond B-56: Basin #56 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
194.08	6,016	11,468	194.60	6,277	14,664
194.09	6,021	11,528	194.61	6,282	14,727
194.10	6,026	11,589	194.62	6,287	14,790
194.11	6,031	11,649	194.63	6,292	14,853
194.12	6,036	11,709	194.64	6,297	14,916
194.13	6,041	11,770	194.65	6,302	14,979
194.14	6,046	11,830	194.66	6,307	15,042
194.15	6,051	11,891	194.67	6,312	15,105
194.16	6,056	11,951	194.68	6,317	15,168
194.17	6,061	12,012	194.69	6,322	15,231
194.18	6,066	12,072	194.70	6,327	15,295
194.19	6,071	12,133	194.71	6,332	15,358
194.20	6,076	12,194	194.72	6,337	15,421
194.21	6,081	12,255	194.73	6,342	15,485
194.22	6,086	12,315	194.74	6,347	15,548
194.23	6,091	12,376	194.75	6,353	15,612
194.24	6,096	12,437	194.76	6,358	15,675
194.25	6,102	12,498	194.77	6,363	15,739
194.26	6,107	12,559	194.78	6,368	15,802
194.27	6,112	12,620	194.79	6,373	15,866
194.28	6,117	12,681	194.80	6,378	15,930
194.29	6,122	12,743	194.81	6,383	15,994
194.30	6,127	12,804	194.82	6,388	16,058
194.31	6,132	12,865	194.83	6,393	16,121
194.32	6,137	12,927	194.84	6,398	16,185
194.33	6,142	12,988	194.85	6,403	16,249
194.34	6,147	13,049	194.86	6,408	16,313
194.35	6,152	13,111	194.87	6,413	16,378
194.36	6,157	13,172	194.88	6,418	16,442
194.37	6,162	13,234	194.89	6,423	16,506
194.38	6,167	13,296	194.90	6,428	16,570
194.39	6,172	13,357	194.91	6,433	16,635
194.40	6,177	13,419	194.92	6,438	16,699
194.41	6,182	13,481	194.93	6,443	16,763
194.42	6,187	13,543	194.94	6,448	16,828
194.43	6,192	13,605	194.95	6,453	16,892
194.44	6,197	13,667	194.96	6,458	16,957
194.45	6,202	13,729	194.97	6,463	17,021
194.46	6,207	13,791	194.98	6,468	17,086
194.47	6,212	13,853	194.99	6,473	17,151
194.48	6,217	13,915	195.00	6,478	17,216
194.49	6,222	13,977	195.01	6,483	17,280
194.50	6,227	14,039	195.02	6,488	17,345
194.51	6,232	14,102	195.03	6,494	17,410
194.52	6,237	14,164	195.04	6,499	17,475
194.53	6,242	14,226	195.05	6,504	17,540
194.54	6,247	14,289	195.06	6,509	17,605
194.55	6,252	14,351	195.07	6,514	17,670
194.56	6,257	14,414	195.08	6,519	17,735
194.57	6,262	14,476	195.09	6,525	17,801
194.58	6,267	14,539	195.10	6,530	17,866
194.59	6,272	14,602	195.11	6,535	17,931

Stage-Area-Storage for Pond B-56: Basin #56 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
195.12	6,540	17,997
195.13	6,545	18,062
195.14	6,550	18,127
195.15	6,556	18,193
195.16	6,561	18,259
195.17	6,566	18,324
195.18	6,571	18,390
195.19	6,576	18,456
195.20	6,581	18,521
195.21	6,587	18,587
195.22	6,592	18,653
195.23	6,597	18,719
195.24	6,602	18,785
195.25	6,607	18,851
195.26	6,612	18,917
195.27	6,618	18,983
195.28	6,623	19,050
195.29	6,628	19,116
195.30	6,633	19,182
195.31	6,638	19,249
195.32	6,643	19,315
195.33	6,649	19,381
195.34	6,654	19,448
195.35	6,659	19,514
195.36	6,664	19,581
195.37	6,669	19,648
195.38	6,674	19,714
195.39	6,680	19,781
195.40	6,685	19,848
195.41	6,690	19,915
195.42	6,695	19,982
195.43	6,700	20,049
195.44	6,705	20,116
195.45	6,711	20,183
195.46	6,716	20,250
195.47	6,721	20,317
195.48	6,726	20,384
195.49	6,731	20,452
195.50	6,737	20,519
195.51	6,742	20,587
195.52	6,747	20,654
195.53	6,752	20,721
195.54	6,757	20,789
195.55	6,762	20,857
195.56	6,768	20,924
195.57	6,773	20,992
195.58	6,778	21,060
195.59	6,783	21,128
195.60	6,788	21,195
195.61	6,793	21,263
195.62	6,799	21,331
195.63	6,804	21,399
195.64	6,809	21,467
195.65	6,814	21,535
195.66	6,819	21,604
195.67	6,824	21,672
195.68	6,830	21,740
195.69	6,835	21,808
195.70	6,840	21,877
195.71	6,845	21,945
195.72	6,850	22,014
195.73	6,855	22,082
195.74	6,861	22,151
195.75	6,866	22,219
195.76	6,871	22,288
195.77	6,876	22,357
195.78	6,881	22,426
195.79	6,886	22,494
195.80	6,892	22,563
195.81	6,897	22,632
195.82	6,902	22,701
195.83	6,907	22,770
195.84	6,912	22,839
195.85	6,917	22,909
195.86	6,923	22,978
195.87	6,928	23,047
195.88	6,933	23,116
195.89	6,938	23,186
195.90	6,943	23,255
195.91	6,948	23,325
195.92	6,954	23,394
195.93	6,959	23,464
195.94	6,964	23,533
195.95	6,969	23,603
195.96	6,974	23,673
195.97	6,979	23,742
195.98	6,985	23,812
195.99	6,990	23,882
196.00	**6,995**	**23,952**

Summary for Pond B-57: Basin #57

Inflow Area = 1.434 ac, 47.56% Impervious, Inflow Depth = 2.08" for Current 2 yr event
Inflow = 3.41 cfs @ 12.10 hrs, Volume= 0.248 af
Outflow = 0.62 cfs @ 12.56 hrs, Volume= 0.168 af, Atten= 82%, Lag= 27.9 min
Primary = 0.62 cfs @ 12.56 hrs, Volume= 0.168 af
Routed to Pond B-58 : Basin #58

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 203.41' @ 12.56 hrs Surf.Area= 4,714 sf Storage= 6,133 cf

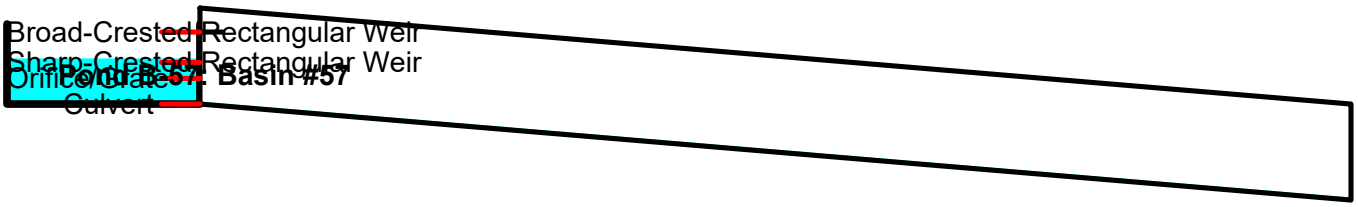
Plug-Flow detention time= 409.9 min calculated for 0.168 af (67% of inflow)
Center-of-Mass det. time= 305.0 min (1,090.4 - 785.5)

Volume	Invert	Avail.Storage	Storage Description
#1	202.00'	11,650 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

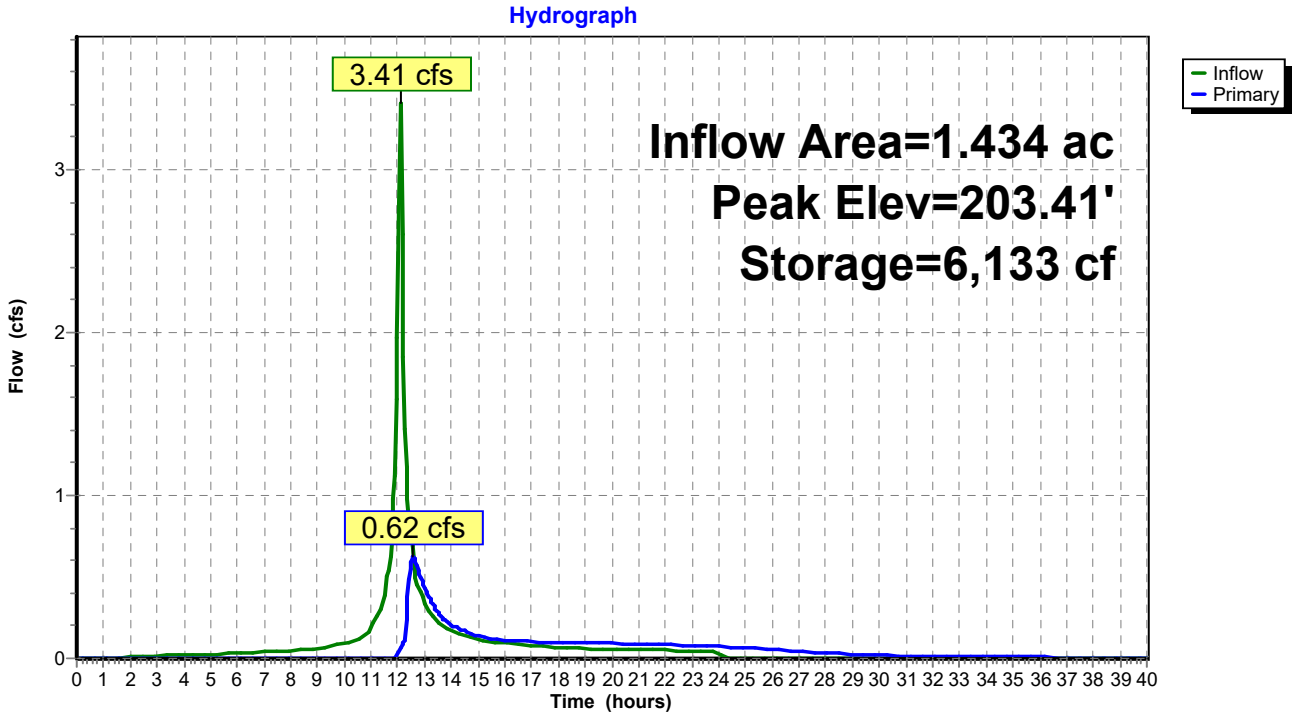
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
202.00	3,969	0	0
203.00	4,488	4,229	4,229
204.00	5,034	4,761	8,990
204.50	5,608	2,661	11,650

Device	Routing	Invert	Outlet Devices
#1	Primary	202.00'	**36.0" Round Culvert** L= 252.0' Ke= 0.500 Inlet / Outlet Invert= 202.00' / 199.00' S= 0.0119 '/' Cc= 0.900 n= 0.013, Flow Area= 7.07 sf
#2	Device 1	202.80'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	203.30'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	204.25'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.62 cfs @ 12.56 hrs HW=203.41' (Free Discharge)
- **1=Culvert** (Passes 0.62 cfs of 13.26 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.12 cfs @ 3.44 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 0.50 cfs @ 1.10 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-57: Basin #57



Hydrograph for Pond B-57: Basin #57

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	202.00	0.00
0.10	0.00	0	202.00	0.00
0.20	0.00	0	202.00	0.00
0.30	0.00	0	202.00	0.00
0.40	0.00	0	202.00	0.00
0.50	0.00	0	202.00	0.00
0.60	0.00	0	202.00	0.00
0.70	0.00	0	202.00	0.00
0.80	0.00	0	202.00	0.00
0.90	0.00	0	202.00	0.00
1.00	0.00	0	202.00	0.00
1.10	0.00	0	202.00	0.00
1.20	0.00	0	202.00	0.00
1.30	0.00	0	202.00	0.00
1.40	0.00	1	202.00	0.00
1.50	0.00	2	202.00	0.00
1.60	0.00	3	202.00	0.00
1.70	0.00	5	202.00	0.00
1.80	0.01	7	202.00	0.00
1.90	0.01	9	202.00	0.00
2.00	0.01	11	202.00	0.00
2.10	0.01	14	202.00	0.00
2.20	0.01	17	202.00	0.00
2.30	0.01	21	202.01	0.00
2.40	0.01	24	202.01	0.00
2.50	0.01	28	202.01	0.00
2.60	0.01	32	202.01	0.00
2.70	0.01	36	202.01	0.00
2.80	0.01	41	202.01	0.00
2.90	0.01	45	202.01	0.00
3.00	0.01	50	202.01	0.00
3.10	0.01	56	202.01	0.00
3.20	0.02	61	202.02	0.00
3.30	0.02	67	202.02	0.00
3.40	0.02	72	202.02	0.00
3.50	0.02	78	202.02	0.00
3.60	0.02	85	202.02	0.00
3.70	0.02	91	202.02	0.00
3.80	0.02	98	202.02	0.00
3.90	0.02	105	202.03	0.00
4.00	0.02	112	202.03	0.00
4.10	0.02	119	202.03	0.00
4.20	0.02	126	202.03	0.00
4.30	0.02	134	202.03	0.00
4.40	0.02	141	202.04	0.00
4.50	0.02	149	202.04	0.00
4.60	0.02	157	202.04	0.00
4.70	0.02	166	202.04	0.00
4.80	0.02	174	202.04	0.00
4.90	0.02	183	202.05	0.00
5.00	0.02	191	202.05	0.00
5.10	0.02	200	202.05	0.00

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.03	209	202.05	0.00
5.30	0.03	218	202.05	0.00
5.40	0.03	228	202.06	0.00
5.50	0.03	237	202.06	0.00
5.60	0.03	247	202.06	0.00
5.70	0.03	257	202.06	0.00
5.80	0.03	267	202.07	0.00
5.90	0.03	277	202.07	0.00
6.00	0.03	287	202.07	0.00
6.10	0.03	297	202.07	0.00
6.20	0.03	308	202.08	0.00
6.30	0.03	319	202.08	0.00
6.40	0.03	331	202.08	0.00
6.50	0.03	343	202.09	0.00
6.60	0.03	355	202.09	0.00
6.70	0.04	367	202.09	0.00
6.80	0.04	380	202.10	0.00
6.90	0.04	393	202.10	0.00
7.00	0.04	407	202.10	0.00
7.10	0.04	421	202.11	0.00
7.20	0.04	435	202.11	0.00
7.30	0.04	450	202.11	0.00
7.40	0.04	465	202.12	0.00
7.50	0.04	480	202.12	0.00
7.60	0.04	496	202.12	0.00
7.70	0.05	512	202.13	0.00
7.80	0.05	528	202.13	0.00
7.90	0.05	545	202.14	0.00
8.00	0.05	562	202.14	0.00
8.10	0.05	580	202.14	0.00
8.20	0.05	598	202.15	0.00
8.30	0.05	616	202.15	0.00
8.40	0.05	634	202.16	0.00
8.50	0.05	653	202.16	0.00
8.60	0.05	673	202.17	0.00
8.70	0.06	692	202.17	0.00
8.80	0.06	712	202.18	0.00
8.90	0.06	733	202.18	0.00
9.00	0.06	754	202.19	0.00
9.10	0.06	775	202.19	0.00
9.20	0.06	798	202.20	0.00
9.30	0.07	822	202.20	0.00
9.40	0.07	847	202.21	0.00
9.50	0.07	874	202.22	0.00
9.60	0.08	901	202.22	0.00
9.70	0.08	930	202.23	0.00
9.80	0.09	960	202.24	0.00
9.90	0.09	992	202.25	0.00
10.00	0.09	1,024	202.25	0.00
10.10	0.10	1,058	202.26	0.00
10.20	0.10	1,093	202.27	0.00
10.30	0.10	1,130	202.28	0.00

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.11	1,167	202.29	0.00
10.50	0.11	1,206	202.30	0.00
10.60	0.12	1,248	202.31	0.00
10.70	0.14	1,295	202.32	0.00
10.80	0.15	1,347	202.33	0.00
10.90	0.17	1,404	202.35	0.00
11.00	0.18	1,467	202.36	0.00
11.10	0.21	1,537	202.38	0.00
11.20	0.24	1,619	202.40	0.00
11.30	0.27	1,711	202.42	0.00
11.40	0.30	1,814	202.44	0.00
11.50	0.33	1,928	202.47	0.00
11.60	0.51	2,082	202.51	0.00
11.70	0.57	2,276	202.55	0.00
11.80	0.78	2,522	202.61	0.00
11.90	1.12	2,868	202.69	0.00
12.00	1.97	3,434	202.82	0.00
12.10	**3.41**	4,412	203.04	0.06
12.20	1.85	5,325	203.24	0.10
12.30	1.18	5,803	203.34	0.23
12.40	0.85	6,029	203.39	0.48
12.50	0.75	**6,118**	**203.41**	**0.60**
12.60	0.54	**6,128**	**203.41**	**0.61**
12.70	0.46	6,094	203.41	0.57
12.80	0.42	6,058	203.40	0.52
12.90	0.38	6,025	203.39	0.47
13.00	0.35	5,992	203.38	0.43
13.10	0.31	5,961	203.38	0.39
13.20	0.28	5,930	203.37	0.36
13.30	0.26	5,903	203.37	0.33
13.40	0.24	5,878	203.36	0.30
13.50	0.22	5,855	203.35	0.28
13.60	0.20	5,833	203.35	0.26
13.70	0.19	5,813	203.35	0.24
13.80	0.18	5,796	203.34	0.23
13.90	0.18	5,781	203.34	0.21
14.00	0.17	5,769	203.34	0.20
14.10	0.17	5,757	203.33	0.19
14.20	0.16	5,747	203.33	0.19
14.30	0.15	5,738	203.33	0.18
14.40	0.15	5,729	203.33	0.17
14.50	0.14	5,721	203.33	0.17
14.60	0.14	5,713	203.32	0.16
14.70	0.13	5,706	203.32	0.15
14.80	0.13	5,698	203.32	0.15
14.90	0.12	5,691	203.32	0.14
15.00	0.12	5,683	203.32	0.14
15.10	0.11	5,674	203.32	0.13
15.20	0.11	5,665	203.31	0.13
15.30	0.11	5,657	203.31	0.13
15.40	0.10	5,649	203.31	0.12
15.50	0.10	5,642	203.31	0.12

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.10	5,636	203.31	0.12
15.70	0.10	5,630	203.31	0.12
15.80	0.10	5,624	203.31	0.11
15.90	0.10	5,619	203.30	0.11
16.00	0.10	5,614	203.30	0.11
16.10	0.09	5,609	203.30	0.11
16.20	0.09	5,604	203.30	0.11
16.30	0.09	5,599	203.30	0.10
16.40	0.09	5,595	203.30	0.10
16.50	0.09	5,590	203.30	0.10
16.60	0.09	5,584	203.30	0.10
16.70	0.09	5,578	203.30	0.10
16.80	0.08	5,571	203.29	0.10
16.90	0.08	5,564	203.29	0.10
17.00	0.08	5,557	203.29	0.10
17.10	0.08	5,549	203.29	0.10
17.20	0.08	5,540	203.29	0.10
17.30	0.08	5,531	203.29	0.10
17.40	0.07	5,522	203.28	0.10
17.50	0.07	5,512	203.28	0.10
17.60	0.07	5,502	203.28	0.10
17.70	0.07	5,491	203.28	0.10
17.80	0.07	5,480	203.27	0.10
17.90	0.07	5,468	203.27	0.10
18.00	0.07	5,456	203.27	0.10
18.10	0.06	5,444	203.27	0.10
18.20	0.06	5,431	203.26	0.10
18.30	0.06	5,419	203.26	0.10
18.40	0.06	5,406	203.26	0.10
18.50	0.06	5,393	203.26	0.10
18.60	0.06	5,380	203.25	0.10
18.70	0.06	5,368	203.25	0.10
18.80	0.06	5,355	203.25	0.10
18.90	0.06	5,342	203.24	0.10
19.00	0.06	5,330	203.24	0.10
19.10	0.06	5,317	203.24	0.09
19.20	0.06	5,304	203.24	0.09
19.30	0.06	5,292	203.23	0.09
19.40	0.06	5,279	203.23	0.09
19.50	0.06	5,266	203.23	0.09
19.60	0.06	5,254	203.23	0.09
19.70	0.06	5,241	203.22	0.09
19.80	0.06	5,228	203.22	0.09
19.90	0.06	5,216	203.22	0.09
20.00	0.06	5,203	203.21	0.09
20.10	0.06	5,191	203.21	0.09
20.20	0.06	5,178	203.21	0.09
20.30	0.06	5,165	203.21	0.09
20.40	0.05	5,153	203.20	0.09
20.50	0.05	5,140	203.20	0.09
20.60	0.05	5,128	203.20	0.09
20.70	0.05	5,115	203.20	0.09

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.05	5,103	203.19	0.09
20.90	0.05	5,090	203.19	0.09
21.00	0.05	5,078	203.19	0.09
21.10	0.05	5,065	203.18	0.09
21.20	0.05	5,053	203.18	0.09
21.30	0.05	5,040	203.18	0.09
21.40	0.05	5,028	203.18	0.09
21.50	0.05	5,016	203.17	0.09
21.60	0.05	5,003	203.17	0.08
21.70	0.05	4,991	203.17	0.08
21.80	0.05	4,979	203.17	0.08
21.90	0.05	4,966	203.16	0.08
22.00	0.05	4,954	203.16	0.08
22.10	0.05	4,942	203.16	0.08
22.20	0.05	4,929	203.15	0.08
22.30	0.05	4,917	203.15	0.08
22.40	0.05	4,905	203.15	0.08
22.50	0.05	4,893	203.15	0.08
22.60	0.05	4,880	203.14	0.08
22.70	0.05	4,868	203.14	0.08
22.80	0.05	4,856	203.14	0.08
22.90	0.05	4,844	203.14	0.08
23.00	0.05	4,832	203.13	0.08
23.10	0.04	4,820	203.13	0.08
23.20	0.04	4,808	203.13	0.08
23.30	0.04	4,796	203.13	0.08
23.40	0.04	4,784	203.12	0.08
23.50	0.04	4,772	203.12	0.08
23.60	0.04	4,760	203.12	0.08
23.70	0.04	4,748	203.11	0.08
23.80	0.04	4,736	203.11	0.07
23.90	0.04	4,724	203.11	0.07
24.00	0.05	4,714	203.11	0.07
24.10	0.01	4,698	203.10	0.07
24.20	0.00	4,674	203.10	0.07
24.30	0.00	4,649	203.09	0.07
24.40	0.00	4,623	203.09	0.07
24.50	0.00	4,598	203.08	0.07
24.60	0.00	4,574	203.08	0.07
24.70	0.00	4,549	203.07	0.07
24.80	0.00	4,525	203.07	0.07
24.90	0.00	4,502	203.06	0.06
25.00	0.00	4,479	203.06	0.06
25.10	0.00	4,456	203.05	0.06
25.20	0.00	4,433	203.05	0.06
25.30	0.00	4,411	203.04	0.06
25.40	0.00	4,390	203.04	0.06
25.50	0.00	4,369	203.03	0.06
25.60	0.00	4,348	203.03	0.06
25.70	0.00	4,327	203.02	0.06
25.80	0.00	4,307	203.02	0.06
25.90	0.00	4,288	203.01	0.05

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	4,268	203.01	0.05
26.10	0.00	4,249	203.00	0.05
26.20	0.00	4,231	203.00	0.05
26.30	0.00	4,212	203.00	0.05
26.40	0.00	4,194	202.99	0.05
26.50	0.00	4,177	202.99	0.05
26.60	0.00	4,160	202.98	0.05
26.70	0.00	4,143	202.98	0.05
26.80	0.00	4,127	202.98	0.04
26.90	0.00	4,112	202.97	0.04
27.00	0.00	4,096	202.97	0.04
27.10	0.00	4,081	202.97	0.04
27.20	0.00	4,067	202.96	0.04
27.30	0.00	4,053	202.96	0.04
27.40	0.00	4,039	202.96	0.04
27.50	0.00	4,026	202.95	0.04
27.60	0.00	4,013	202.95	0.04
27.70	0.00	4,001	202.95	0.03
27.80	0.00	3,988	202.95	0.03
27.90	0.00	3,977	202.94	0.03
28.00	0.00	3,965	202.94	0.03
28.10	0.00	3,954	202.94	0.03
28.20	0.00	3,943	202.94	0.03
28.30	0.00	3,933	202.93	0.03
28.40	0.00	3,922	202.93	0.03
28.50	0.00	3,912	202.93	0.03
28.60	0.00	3,903	202.93	0.03
28.70	0.00	3,893	202.92	0.03
28.80	0.00	3,884	202.92	0.03
28.90	0.00	3,875	202.92	0.02
29.00	0.00	3,867	202.92	0.02
29.10	0.00	3,858	202.92	0.02
29.20	0.00	3,850	202.92	0.02
29.30	0.00	3,842	202.91	0.02
29.40	0.00	3,834	202.91	0.02
29.50	0.00	3,827	202.91	0.02
29.60	0.00	3,819	202.91	0.02
29.70	0.00	3,812	202.91	0.02
29.80	0.00	3,805	202.91	0.02
29.90	0.00	3,798	202.90	0.02
30.00	0.00	3,792	202.90	0.02
30.10	0.00	3,785	202.90	0.02
30.20	0.00	3,779	202.90	0.02
30.30	0.00	3,773	202.90	0.02
30.40	0.00	3,767	202.90	0.02
30.50	0.00	3,761	202.90	0.02
30.60	0.00	3,755	202.89	0.02
30.70	0.00	3,750	202.89	0.02
30.80	0.00	3,744	202.89	0.02
30.90	0.00	3,739	202.89	0.01
31.00	0.00	3,734	202.89	0.01
31.10	0.00	3,728	202.89	0.01

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	3,723	202.89	0.01
31.30	0.00	3,719	202.89	0.01
31.40	0.00	3,714	202.88	0.01
31.50	0.00	3,709	202.88	0.01
31.60	0.00	3,705	202.88	0.01
31.70	0.00	3,700	202.88	0.01
31.80	0.00	3,696	202.88	0.01
31.90	0.00	3,692	202.88	0.01
32.00	0.00	3,687	202.88	0.01
32.10	0.00	3,683	202.88	0.01
32.20	0.00	3,679	202.88	0.01
32.30	0.00	3,675	202.88	0.01
32.40	0.00	3,672	202.88	0.01
32.50	0.00	3,668	202.87	0.01
32.60	0.00	3,664	202.87	0.01
32.70	0.00	3,661	202.87	0.01
32.80	0.00	3,657	202.87	0.01
32.90	0.00	3,654	202.87	0.01
33.00	0.00	3,650	202.87	0.01
33.10	0.00	3,647	202.87	0.01
33.20	0.00	3,644	202.87	0.01
33.30	0.00	3,641	202.87	0.01
33.40	0.00	3,638	202.87	0.01
33.50	0.00	3,635	202.87	0.01
33.60	0.00	3,632	202.87	0.01
33.70	0.00	3,629	202.87	0.01
33.80	0.00	3,626	202.86	0.01
33.90	0.00	3,623	202.86	0.01
34.00	0.00	3,620	202.86	0.01
34.10	0.00	3,617	202.86	0.01
34.20	0.00	3,615	202.86	0.01
34.30	0.00	3,612	202.86	0.01
34.40	0.00	3,609	202.86	0.01
34.50	0.00	3,607	202.86	0.01
34.60	0.00	3,604	202.86	0.01
34.70	0.00	3,602	202.86	0.01
34.80	0.00	3,599	202.86	0.01
34.90	0.00	3,597	202.86	0.01
35.00	0.00	3,594	202.86	0.01
35.10	0.00	3,592	202.86	0.01
35.20	0.00	3,590	202.86	0.01
35.30	0.00	3,588	202.86	0.01
35.40	0.00	3,585	202.86	0.01
35.50	0.00	3,583	202.85	0.01
35.60	0.00	3,581	202.85	0.01
35.70	0.00	3,579	202.85	0.01
35.80	0.00	3,577	202.85	0.01
35.90	0.00	3,575	202.85	0.01
36.00	0.00	3,573	202.85	0.01
36.10	0.00	3,571	202.85	0.01
36.20	0.00	3,569	202.85	0.01
36.30	0.00	3,567	202.85	0.01

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	3,565	202.85	0.01
36.50	0.00	3,563	202.85	0.01
36.60	0.00	3,561	202.85	0.01
36.70	0.00	3,559	202.85	0.01
36.80	0.00	3,557	202.85	0.00
36.90	0.00	3,556	202.85	0.00
37.00	0.00	3,554	202.85	0.00
37.10	0.00	3,552	202.85	0.00
37.20	0.00	3,551	202.85	0.00
37.30	0.00	3,549	202.85	0.00
37.40	0.00	3,547	202.85	0.00
37.50	0.00	3,546	202.85	0.00
37.60	0.00	3,544	202.85	0.00
37.70	0.00	3,543	202.85	0.00
37.80	0.00	3,541	202.85	0.00
37.90	0.00	3,540	202.85	0.00
38.00	0.00	3,538	202.84	0.00
38.10	0.00	3,537	202.84	0.00
38.20	0.00	3,535	202.84	0.00
38.30	0.00	3,534	202.84	0.00
38.40	0.00	3,532	202.84	0.00
38.50	0.00	3,531	202.84	0.00
38.60	0.00	3,530	202.84	0.00
38.70	0.00	3,528	202.84	0.00
38.80	0.00	3,527	202.84	0.00
38.90	0.00	3,526	202.84	0.00
39.00	0.00	3,525	202.84	0.00
39.10	0.00	3,523	202.84	0.00
39.20	0.00	3,522	202.84	0.00
39.30	0.00	3,521	202.84	0.00
39.40	0.00	3,520	202.84	0.00
39.50	0.00	3,519	202.84	0.00
39.60	0.00	3,517	202.84	0.00
39.70	0.00	3,516	202.84	0.00
39.80	0.00	3,515	202.84	0.00
39.90	0.00	3,514	202.84	0.00
40.00	0.00	3,513	202.84	0.00

Stage-Discharge for Pond B-57: Basin #57

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
202.00	0.00	202.52	0.00	203.04	0.06	203.56	1.84
202.01	0.00	202.53	0.00	203.05	0.06	203.57	1.94
202.02	0.00	202.54	0.00	203.06	0.06	203.58	2.05
202.03	0.00	202.55	0.00	203.07	0.07	203.59	2.15
202.04	0.00	202.56	0.00	203.08	0.07	203.60	2.25
202.05	0.00	202.57	0.00	203.09	0.07	203.61	2.36
202.06	0.00	202.58	0.00	203.10	0.07	203.62	2.47
202.07	0.00	202.59	0.00	203.11	0.07	203.63	2.58
202.08	0.00	202.60	0.00	203.12	0.08	203.64	2.69
202.09	0.00	202.61	0.00	203.13	0.08	203.65	2.80
202.10	0.00	202.62	0.00	203.14	0.08	203.66	2.92
202.11	0.00	202.63	0.00	203.15	0.08	203.67	3.03
202.12	0.00	202.64	0.00	203.16	0.08	203.68	3.15
202.13	0.00	202.65	0.00	203.17	0.08	203.69	3.27
202.14	0.00	202.66	0.00	203.18	0.09	203.70	3.39
202.15	0.00	202.67	0.00	203.19	0.09	203.71	3.51
202.16	0.00	202.68	0.00	203.20	0.09	203.72	3.63
202.17	0.00	202.69	0.00	203.21	0.09	203.73	3.76
202.18	0.00	202.70	0.00	203.22	0.09	203.74	3.88
202.19	0.00	202.71	0.00	203.23	0.09	203.75	4.01
202.20	0.00	202.72	0.00	203.24	0.10	203.76	4.14
202.21	0.00	202.73	0.00	203.25	0.10	203.77	4.27
202.22	0.00	202.74	0.00	203.26	0.10	203.78	4.40
202.23	0.00	202.75	0.00	203.27	0.10	203.79	4.53
202.24	0.00	202.76	0.00	203.28	0.10	203.80	4.66
202.25	0.00	202.77	0.00	203.29	0.10	203.81	4.80
202.26	0.00	202.78	0.00	203.30	0.10	203.82	4.93
202.27	0.00	202.79	0.00	203.31	0.12	203.83	5.07
202.28	0.00	202.80	0.00	203.32	0.14	203.84	5.21
202.29	0.00	202.81	0.00	203.33	0.17	203.85	5.35
202.30	0.00	202.82	0.00	203.34	0.21	203.86	5.49
202.31	0.00	202.83	0.00	203.35	0.26	203.87	5.63
202.32	0.00	202.84	0.00	203.36	0.30	203.88	5.77
202.33	0.00	202.85	0.00	203.37	0.35	203.89	5.92
202.34	0.00	202.86	0.01	203.38	0.41	203.90	6.06
202.35	0.00	202.87	0.01	203.39	0.47	203.91	6.21
202.36	0.00	202.88	0.01	203.40	0.53	203.92	6.35
202.37	0.00	202.89	0.01	203.41	0.59	203.93	6.50
202.38	0.00	202.90	0.02	203.42	0.66	203.94	6.65
202.39	0.00	202.91	0.02	203.43	0.73	203.95	6.80
202.40	0.00	202.92	0.02	203.44	0.80	203.96	6.95
202.41	0.00	202.93	0.03	203.45	0.88	203.97	7.10
202.42	0.00	202.94	0.03	203.46	0.95	203.98	7.26
202.43	0.00	202.95	0.03	203.47	1.03	203.99	7.41
202.44	0.00	202.96	0.04	203.48	1.11	204.00	7.56
202.45	0.00	202.97	0.04	203.49	1.20	204.01	7.72
202.46	0.00	202.98	0.05	203.50	1.28	204.02	7.88
202.47	0.00	202.99	0.05	203.51	1.37	204.03	8.03
202.48	0.00	203.00	0.05	203.52	1.46	204.04	8.19
202.49	0.00	203.01	0.05	203.53	1.56	204.05	8.35
202.50	0.00	203.02	0.06	203.54	1.65	204.06	8.51
202.51	0.00	203.03	0.06	203.55	1.75	204.07	8.67

Stage-Discharge for Pond B-57: Basin #57 (continued)

Elevation (feet)	Primary (cfs)
204.08	8.84
204.09	9.00
204.10	9.16
204.11	9.33
204.12	9.50
204.13	9.66
204.14	9.83
204.15	10.00
204.16	10.17
204.17	10.34
204.18	10.51
204.19	10.68
204.20	10.85
204.21	11.03
204.22	11.20
204.23	11.37
204.24	11.55
204.25	11.73
204.26	12.02
204.27	12.41
204.28	12.87
204.29	13.38
204.30	13.93
204.31	14.53
204.32	15.16
204.33	15.82
204.34	16.52
204.35	17.25
204.36	18.01
204.37	18.79
204.38	19.61
204.39	20.44
204.40	21.31
204.41	22.19
204.42	23.11
204.43	24.04
204.44	24.99
204.45	25.97
204.46	27.01
204.47	28.07
204.48	29.16
204.49	30.28
204.50	31.42
204.51	32.59
204.52	33.78
204.53	35.00
204.54	36.25
204.55	37.52
204.56	38.81
204.57	40.13
204.58	41.47
204.59	42.84
204.60	44.24
204.61	45.66
204.62	47.10
204.63	48.57
204.64	50.06
204.65	51.58
204.66	53.15
204.67	54.74
204.68	56.37
204.69	58.01
204.70	59.69
204.71	61.39
204.72	63.12
204.73	64.88
204.74	66.66
204.75	68.47
204.76	70.31
204.77	72.17
204.78	74.06
204.79	75.98
204.80	77.93
204.81	79.90
204.82	81.90
204.83	83.93
204.84	85.98
204.85	88.06
204.86	89.90
204.87	91.76
204.88	93.63
204.89	95.51
204.90	97.40
204.91	99.31
204.92	101.24
204.93	103.17
204.94	105.12
204.95	107.09
204.96	109.07
204.97	111.06
204.98	113.06
204.99	115.07
205.00	**117.10**

Stage-Area-Storage for Pond B-57: Basin #57

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
202.00	3,969	0	202.52	4,239	2,134
202.01	3,974	40	202.53	4,244	2,176
202.02	3,979	79	202.54	4,249	2,219
202.03	3,985	119	202.55	4,254	2,261
202.04	3,990	159	202.56	4,260	2,304
202.05	3,995	199	202.57	4,265	2,347
202.06	4,000	239	202.58	4,270	2,389
202.07	4,005	279	202.59	4,275	2,432
202.08	4,011	319	202.60	4,280	2,475
202.09	4,016	359	202.61	4,286	2,518
202.10	4,021	399	202.62	4,291	2,561
202.11	4,026	440	202.63	4,296	2,603
202.12	4,031	480	202.64	4,301	2,646
202.13	4,036	520	202.65	4,306	2,689
202.14	4,042	561	202.66	4,312	2,733
202.15	4,047	601	202.67	4,317	2,776
202.16	4,052	642	202.68	4,322	2,819
202.17	4,057	682	202.69	4,327	2,862
202.18	4,062	723	202.70	4,332	2,905
202.19	4,068	763	202.71	4,337	2,949
202.20	4,073	804	202.72	4,343	2,992
202.21	4,078	845	202.73	4,348	3,036
202.22	4,083	886	202.74	4,353	3,079
202.23	4,088	927	202.75	4,358	3,123
202.24	4,094	968	202.76	4,363	3,166
202.25	4,099	1,008	202.77	4,369	3,210
202.26	4,104	1,049	202.78	4,374	3,254
202.27	4,109	1,091	202.79	4,379	3,297
202.28	4,114	1,132	202.80	4,384	3,341
202.29	4,120	1,173	202.81	4,389	3,385
202.30	4,125	1,214	202.82	4,395	3,429
202.31	4,130	1,255	202.83	4,400	3,473
202.32	4,135	1,297	202.84	4,405	3,517
202.33	4,140	1,338	202.85	4,410	3,561
202.34	4,145	1,379	202.86	4,415	3,605
202.35	4,151	1,421	202.87	4,421	3,649
202.36	4,156	1,462	202.88	4,426	3,694
202.37	4,161	1,504	202.89	4,431	3,738
202.38	4,166	1,546	202.90	4,436	3,782
202.39	4,171	1,587	202.91	4,441	3,827
202.40	4,177	1,629	202.92	4,446	3,871
202.41	4,182	1,671	202.93	4,452	3,916
202.42	4,187	1,713	202.94	4,457	3,960
202.43	4,192	1,755	202.95	4,462	4,005
202.44	4,197	1,797	202.96	4,467	4,049
202.45	4,203	1,839	202.97	4,472	4,094
202.46	4,208	1,881	202.98	4,478	4,139
202.47	4,213	1,923	202.99	4,483	4,184
202.48	4,218	1,965	203.00	4,488	4,229
202.49	4,223	2,007	203.01	4,493	4,273
202.50	4,229	2,049	203.02	4,499	4,318
202.51	4,234	2,092	203.03	4,504	4,363

Stage-Area-Storage for Pond B-57: Basin #57 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
203.04	4,510	4,408	203.56	4,794	6,827
203.05	4,515	4,454	203.57	4,799	6,875
203.06	4,521	4,499	203.58	4,805	6,923
203.07	4,526	4,544	203.59	4,810	6,971
203.08	4,532	4,589	203.60	4,816	7,020
203.09	4,537	4,635	203.61	4,821	7,068
203.10	4,543	4,680	203.62	4,827	7,116
203.11	4,548	4,725	203.63	4,832	7,164
203.12	4,554	4,771	203.64	4,837	7,213
203.13	4,559	4,817	203.65	4,843	7,261
203.14	4,564	4,862	203.66	4,848	7,309
203.15	4,570	4,908	203.67	4,854	7,358
203.16	4,575	4,954	203.68	4,859	7,407
203.17	4,581	4,999	203.69	4,865	7,455
203.18	4,586	5,045	203.70	4,870	7,504
203.19	4,592	5,091	203.71	4,876	7,553
203.20	4,597	5,137	203.72	4,881	7,601
203.21	4,603	5,183	203.73	4,887	7,650
203.22	4,608	5,229	203.74	4,892	7,699
203.23	4,614	5,275	203.75	4,898	7,748
203.24	4,619	5,321	203.76	4,903	7,797
203.25	4,625	5,368	203.77	4,908	7,846
203.26	4,630	5,414	203.78	4,914	7,895
203.27	4,635	5,460	203.79	4,919	7,944
203.28	4,641	5,507	203.80	4,925	7,994
203.29	4,646	5,553	203.81	4,930	8,043
203.30	4,652	5,599	203.82	4,936	8,092
203.31	4,657	5,646	203.83	4,941	8,142
203.32	4,663	5,693	203.84	4,947	8,191
203.33	4,668	5,739	203.85	4,952	8,241
203.34	4,674	5,786	203.86	4,958	8,290
203.35	4,679	5,833	203.87	4,963	8,340
203.36	4,685	5,880	203.88	4,968	8,389
203.37	4,690	5,926	203.89	4,974	8,439
203.38	4,695	5,973	203.90	4,979	8,489
203.39	4,701	6,020	203.91	4,985	8,539
203.40	4,706	6,067	203.92	4,990	8,589
203.41	4,712	6,114	203.93	4,996	8,638
203.42	4,717	6,162	203.94	5,001	8,688
203.43	4,723	6,209	203.95	5,007	8,738
203.44	4,728	6,256	203.96	5,012	8,789
203.45	4,734	6,303	203.97	5,018	8,839
203.46	4,739	6,351	203.98	5,023	8,889
203.47	4,745	6,398	203.99	5,029	8,939
203.48	4,750	6,446	204.00	5,034	8,990
203.49	4,756	6,493	204.01	5,045	9,040
203.50	4,761	6,541	204.02	5,057	9,090
203.51	4,766	6,588	204.03	5,068	9,141
203.52	4,772	6,636	204.04	5,080	9,192
203.53	4,777	6,684	204.05	5,091	9,243
203.54	4,783	6,732	204.06	5,103	9,294
203.55	4,788	6,779	204.07	5,114	9,345

Stage-Area-Storage for Pond B-57: Basin #57 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
204.08	5,126	9,396
204.09	5,137	9,447
204.10	5,149	9,499
204.11	5,160	9,550
204.12	5,172	9,602
204.13	5,183	9,654
204.14	5,195	9,706
204.15	5,206	9,758
204.16	5,218	9,810
204.17	5,229	9,862
204.18	5,241	9,914
204.19	5,252	9,967
204.20	5,264	10,019
204.21	5,275	10,072
204.22	5,287	10,125
204.23	5,298	10,178
204.24	5,310	10,231
204.25	5,321	10,284
204.26	5,332	10,337
204.27	5,344	10,391
204.28	5,355	10,444
204.29	5,367	10,498
204.30	5,378	10,551
204.31	5,390	10,605
204.32	5,401	10,659
204.33	5,413	10,713
204.34	5,424	10,767
204.35	5,436	10,822
204.36	5,447	10,876
204.37	5,459	10,931
204.38	5,470	10,985
204.39	5,482	11,040
204.40	5,493	11,095
204.41	5,505	11,150
204.42	5,516	11,205
204.43	5,528	11,260
204.44	5,539	11,316
204.45	5,551	11,371
204.46	5,562	11,427
204.47	5,574	11,482
204.48	5,585	11,538
204.49	5,597	11,594
204.50	**5,608**	**11,650**
204.51	5,608	11,650
204.52	5,608	11,650
204.53	5,608	11,650
204.54	5,608	11,650
204.55	5,608	11,650
204.56	5,608	11,650
204.57	5,608	11,650
204.58	5,608	11,650
204.59	5,608	11,650
204.60	5,608	11,650
204.61	5,608	11,650
204.62	5,608	11,650
204.63	5,608	11,650
204.64	5,608	11,650
204.65	5,608	11,650
204.66	5,608	11,650
204.67	5,608	11,650
204.68	5,608	11,650
204.69	5,608	11,650
204.70	5,608	11,650
204.71	5,608	11,650
204.72	5,608	11,650
204.73	5,608	11,650
204.74	5,608	11,650
204.75	5,608	11,650
204.76	5,608	11,650
204.77	5,608	11,650
204.78	5,608	11,650
204.79	5,608	11,650
204.80	5,608	11,650
204.81	5,608	11,650
204.82	5,608	11,650
204.83	5,608	11,650
204.84	5,608	11,650
204.85	5,608	11,650
204.86	5,608	11,650
204.87	5,608	11,650
204.88	5,608	11,650
204.89	5,608	11,650
204.90	5,608	11,650
204.91	5,608	11,650
204.92	5,608	11,650
204.93	5,608	11,650
204.94	5,608	11,650
204.95	5,608	11,650
204.96	5,608	11,650
204.97	5,608	11,650
204.98	5,608	11,650
204.99	5,608	11,650
205.00	5,608	11,650

Summary for Pond B-58: Basin #58

Inflow Area = 3.083 ac, 36.46% Impervious, Inflow Depth > 1.55" for Current 2 yr event
Inflow = 2.40 cfs @ 12.08 hrs, Volume= 0.397 af
Outflow = 1.08 cfs @ 12.73 hrs, Volume= 0.325 af, Atten= 55%, Lag= 38.7 min
Primary = 1.08 cfs @ 12.73 hrs, Volume= 0.325 af
Routed to Link PDA-6ON : Proposed Onsite Drainage Area #6

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 199.57' @ 12.73 hrs Surf.Area= 9,090 sf Storage= 5,200 cf

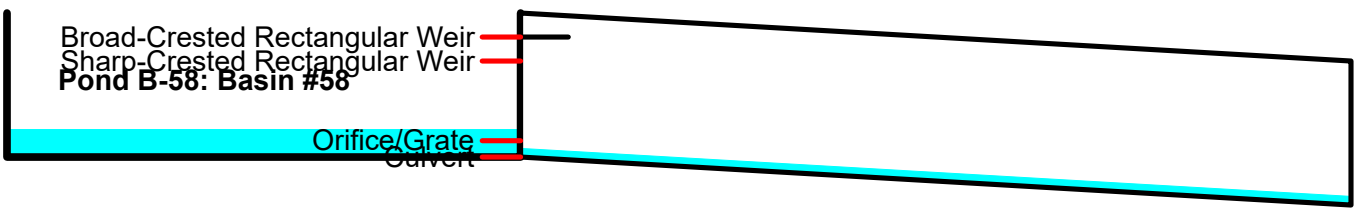
Plug-Flow detention time= 227.5 min calculated for 0.325 af (82% of inflow)
Center-of-Mass det. time= 112.2 min (1,041.1 - 929.0)

Volume	Invert	Avail.Storage	Storage Description
#1	199.00'	27,270 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

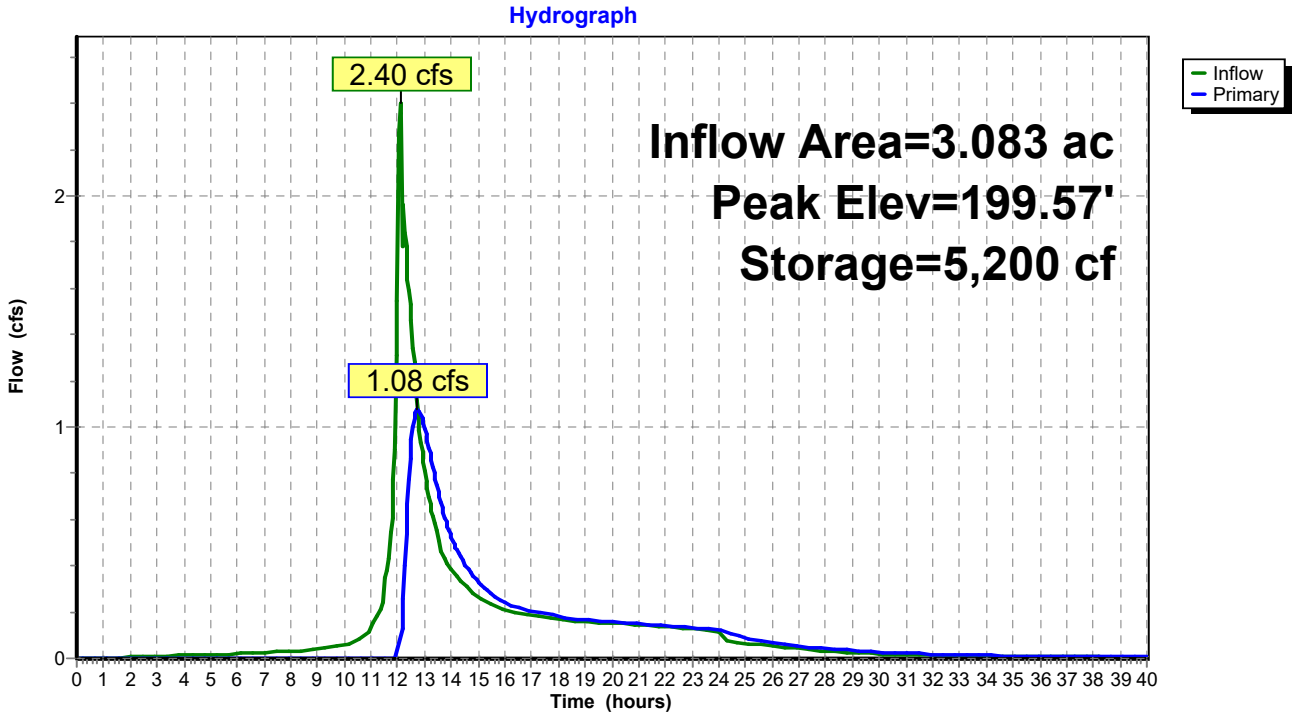
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
199.00	9,090	0	0
200.00	9,090	9,090	9,090
201.00	9,090	9,090	18,180
202.00	9,090	9,090	27,270

Device	Routing	Invert	Outlet Devices
#1	Primary	199.00'	**36.0" Round Culvert** L= 87.0' Ke= 0.500 Inlet / Outlet Invert= 199.00' / 198.00' S= 0.0115 '/' Cc= 0.900 n= 0.013, Flow Area= 7.07 sf
#2	Device 1	199.34'	**36.0" W x 6.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	201.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	201.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=1.08 cfs @ 12.73 hrs HW=199.57' (Free Discharge)
- **1=Culvert** (Passes 1.08 cfs of 2.42 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 1.08 cfs @ 1.55 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-58: Basin #58



Hydrograph for Pond B-58: Basin #58

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	199.00	0.00
0.10	0.00	0	199.00	0.00
0.20	0.00	0	199.00	0.00
0.30	0.00	0	199.00	0.00
0.40	0.00	0	199.00	0.00
0.50	0.00	0	199.00	0.00
0.60	0.00	0	199.00	0.00
0.70	0.00	0	199.00	0.00
0.80	0.00	0	199.00	0.00
0.90	0.00	0	199.00	0.00
1.00	0.00	0	199.00	0.00
1.10	0.00	0	199.00	0.00
1.20	0.00	0	199.00	0.00
1.30	0.00	0	199.00	0.00
1.40	0.00	1	199.00	0.00
1.50	0.00	2	199.00	0.00
1.60	0.00	2	199.00	0.00
1.70	0.00	3	199.00	0.00
1.80	0.00	5	199.00	0.00
1.90	0.00	6	199.00	0.00
2.00	0.00	8	199.00	0.00
2.10	0.01	10	199.00	0.00
2.20	0.01	12	199.00	0.00
2.30	0.01	14	199.00	0.00
2.40	0.01	16	199.00	0.00
2.50	0.01	19	199.00	0.00
2.60	0.01	21	199.00	0.00
2.70	0.01	24	199.00	0.00
2.80	0.01	27	199.00	0.00
2.90	0.01	30	199.00	0.00
3.00	0.01	34	199.00	0.00
3.10	0.01	37	199.00	0.00
3.20	0.01	41	199.00	0.00
3.30	0.01	44	199.00	0.00
3.40	0.01	48	199.01	0.00
3.50	0.01	52	199.01	0.00
3.60	0.01	56	199.01	0.00
3.70	0.01	60	199.01	0.00
3.80	0.01	65	199.01	0.00
3.90	0.01	69	199.01	0.00
4.00	0.01	74	199.01	0.00
4.10	0.01	78	199.01	0.00
4.20	0.01	83	199.01	0.00
4.30	0.01	88	199.01	0.00
4.40	0.01	93	199.01	0.00
4.50	0.01	98	199.01	0.00
4.60	0.01	103	199.01	0.00
4.70	0.02	109	199.01	0.00
4.80	0.02	114	199.01	0.00
4.90	0.02	120	199.01	0.00
5.00	0.02	126	199.01	0.00
5.10	0.02	131	199.01	0.00

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.02	137	199.02	0.00
5.30	0.02	143	199.02	0.00
5.40	0.02	149	199.02	0.00
5.50	0.02	155	199.02	0.00
5.60	0.02	162	199.02	0.00
5.70	0.02	168	199.02	0.00
5.80	0.02	175	199.02	0.00
5.90	0.02	181	199.02	0.00
6.00	0.02	188	199.02	0.00
6.10	0.02	195	199.02	0.00
6.20	0.02	202	199.02	0.00
6.30	0.02	209	199.02	0.00
6.40	0.02	216	199.02	0.00
6.50	0.02	224	199.02	0.00
6.60	0.02	232	199.03	0.00
6.70	0.02	240	199.03	0.00
6.80	0.02	249	199.03	0.00
6.90	0.02	257	199.03	0.00
7.00	0.02	266	199.03	0.00
7.10	0.03	275	199.03	0.00
7.20	0.03	285	199.03	0.00
7.30	0.03	294	199.03	0.00
7.40	0.03	304	199.03	0.00
7.50	0.03	314	199.03	0.00
7.60	0.03	324	199.04	0.00
7.70	0.03	335	199.04	0.00
7.80	0.03	345	199.04	0.00
7.90	0.03	356	199.04	0.00
8.00	0.03	367	199.04	0.00
8.10	0.03	379	199.04	0.00
8.20	0.03	391	199.04	0.00
8.30	0.03	402	199.04	0.00
8.40	0.03	415	199.05	0.00
8.50	0.03	427	199.05	0.00
8.60	0.04	439	199.05	0.00
8.70	0.04	452	199.05	0.00
8.80	0.04	465	199.05	0.00
8.90	0.04	479	199.05	0.00
9.00	0.04	492	199.05	0.00
9.10	0.04	506	199.06	0.00
9.20	0.04	521	199.06	0.00
9.30	0.04	537	199.06	0.00
9.40	0.05	554	199.06	0.00
9.50	0.05	571	199.06	0.00
9.60	0.05	589	199.06	0.00
9.70	0.05	608	199.07	0.00
9.80	0.06	628	199.07	0.00
9.90	0.06	648	199.07	0.00
10.00	0.06	670	199.07	0.00
10.10	0.06	692	199.08	0.00
10.20	0.06	715	199.08	0.00
10.30	0.07	739	199.08	0.00

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.07	763	199.08	0.00
10.50	0.07	789	199.09	0.00
10.60	0.08	817	199.09	0.00
10.70	0.09	848	199.09	0.00
10.80	0.10	882	199.10	0.00
10.90	0.11	921	199.10	0.00
11.00	0.12	963	199.11	0.00
11.10	0.14	1,012	199.11	0.00
11.20	0.17	1,069	199.12	0.00
11.30	0.19	1,134	199.12	0.00
11.40	0.22	1,208	199.13	0.00
11.50	0.26	1,293	199.14	0.00
11.60	0.36	1,412	199.16	0.00
11.70	0.44	1,555	199.17	0.00
11.80	0.61	1,747	199.19	0.00
11.90	0.90	2,021	199.22	0.00
12.00	1.55	2,478	199.27	0.00
12.10	**2.36**	3,236	199.36	0.02
12.20	1.96	3,898	199.43	0.26
12.30	1.78	4,421	199.49	0.54
12.40	1.59	4,782	199.53	0.77
12.50	1.46	5,021	199.55	0.94
12.60	1.28	5,150	199.57	1.04
12.70	1.12	**5,199**	**199.57**	**1.08**
12.80	0.99	**5,189**	**199.57**	**1.07**
12.90	0.89	5,146	199.57	1.04
13.00	0.81	5,086	199.56	0.99
13.10	0.73	5,014	199.55	0.94
13.20	0.67	4,938	199.54	0.88
13.30	0.61	4,860	199.53	0.83
13.40	0.56	4,783	199.53	0.78
13.50	0.52	4,707	199.52	0.72
13.60	0.47	4,633	199.51	0.67
13.70	0.44	4,563	199.50	0.63
13.80	0.42	4,498	199.49	0.59
13.90	0.40	4,440	199.49	0.55
14.00	0.38	4,388	199.48	0.52
14.10	0.37	4,341	199.48	0.49
14.20	0.36	4,299	199.47	0.47
14.30	0.34	4,260	199.47	0.45
14.40	0.33	4,223	199.46	0.43
14.50	0.32	4,190	199.46	0.41
14.60	0.31	4,159	199.46	0.39
14.70	0.29	4,129	199.45	0.37
14.80	0.28	4,101	199.45	0.36
14.90	0.27	4,074	199.45	0.34
15.00	0.26	4,049	199.45	0.33
15.10	0.25	4,024	199.44	0.32
15.20	0.24	4,001	199.44	0.31
15.30	0.24	3,979	199.44	0.30
15.40	0.23	3,959	199.44	0.29
15.50	0.23	3,941	199.43	0.28

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.22	3,924	199.43	0.27
15.70	0.22	3,908	199.43	0.26
15.80	0.22	3,894	199.43	0.26
15.90	0.21	3,881	199.43	0.25
16.00	0.21	3,868	199.43	0.24
16.10	0.21	3,857	199.42	0.24
16.20	0.20	3,846	199.42	0.23
16.30	0.20	3,835	199.42	0.23
16.40	0.20	3,826	199.42	0.22
16.50	0.20	3,818	199.42	0.22
16.60	0.19	3,810	199.42	0.21
16.70	0.19	3,803	199.42	0.21
16.80	0.19	3,796	199.42	0.21
16.90	0.19	3,789	199.42	0.21
17.00	0.19	3,783	199.42	0.20
17.10	0.19	3,777	199.42	0.20
17.20	0.18	3,771	199.41	0.20
17.30	0.18	3,766	199.41	0.20
17.40	0.18	3,760	199.41	0.19
17.50	0.18	3,755	199.41	0.19
17.60	0.18	3,750	199.41	0.19
17.70	0.17	3,745	199.41	0.19
17.80	0.17	3,740	199.41	0.19
17.90	0.17	3,735	199.41	0.18
18.00	0.17	3,730	199.41	0.18
18.10	0.17	3,725	199.41	0.18
18.20	0.17	3,720	199.41	0.18
18.30	0.16	3,715	199.41	0.18
18.40	0.16	3,711	199.41	0.17
18.50	0.16	3,707	199.41	0.17
18.60	0.16	3,703	199.41	0.17
18.70	0.16	3,700	199.41	0.17
18.80	0.16	3,697	199.41	0.17
18.90	0.16	3,693	199.41	0.17
19.00	0.16	3,691	199.41	0.17
19.10	0.16	3,688	199.41	0.17
19.20	0.16	3,685	199.41	0.16
19.30	0.16	3,683	199.41	0.16
19.40	0.16	3,680	199.40	0.16
19.50	0.15	3,678	199.40	0.16
19.60	0.15	3,675	199.40	0.16
19.70	0.15	3,673	199.40	0.16
19.80	0.15	3,671	199.40	0.16
19.90	0.15	3,669	199.40	0.16
20.00	0.15	3,667	199.40	0.16
20.10	0.15	3,665	199.40	0.16
20.20	0.15	3,662	199.40	0.16
20.30	0.15	3,660	199.40	0.15
20.40	0.15	3,658	199.40	0.15
20.50	0.15	3,656	199.40	0.15
20.60	0.15	3,654	199.40	0.15
20.70	0.15	3,652	199.40	0.15

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.14	3,650	199.40	0.15
20.90	0.14	3,648	199.40	0.15
21.00	0.14	3,646	199.40	0.15
21.10	0.14	3,644	199.40	0.15
21.20	0.14	3,642	199.40	0.15
21.30	0.14	3,640	199.40	0.15
21.40	0.14	3,638	199.40	0.15
21.50	0.14	3,636	199.40	0.14
21.60	0.14	3,634	199.40	0.14
21.70	0.14	3,632	199.40	0.14
21.80	0.14	3,630	199.40	0.14
21.90	0.14	3,628	199.40	0.14
22.00	0.13	3,626	199.40	0.14
22.10	0.13	3,624	199.40	0.14
22.20	0.13	3,622	199.40	0.14
22.30	0.13	3,620	199.40	0.14
22.40	0.13	3,618	199.40	0.14
22.50	0.13	3,616	199.40	0.14
22.60	0.13	3,614	199.40	0.14
22.70	0.13	3,612	199.40	0.13
22.80	0.13	3,610	199.40	0.13
22.90	0.13	3,608	199.40	0.13
23.00	0.13	3,606	199.40	0.13
23.10	0.13	3,603	199.40	0.13
23.20	0.12	3,601	199.40	0.13
23.30	0.12	3,599	199.40	0.13
23.40	0.12	3,597	199.40	0.13
23.50	0.12	3,595	199.40	0.13
23.60	0.12	3,593	199.40	0.13
23.70	0.12	3,591	199.40	0.13
23.80	0.12	3,589	199.39	0.13
23.90	0.12	3,587	199.39	0.12
24.00	0.12	3,585	199.39	0.12
24.10	0.10	3,580	199.39	0.12
24.20	0.09	3,571	199.39	0.12
24.30	0.08	3,558	199.39	0.11
24.40	0.07	3,545	199.39	0.11
24.50	0.07	3,533	199.39	0.10
24.60	0.07	3,521	199.39	0.10
24.70	0.07	3,509	199.39	0.10
24.80	0.07	3,499	199.38	0.09
24.90	0.06	3,489	199.38	0.09
25.00	0.06	3,480	199.38	0.09
25.10	0.06	3,471	199.38	0.09
25.20	0.06	3,463	199.38	0.08
25.30	0.06	3,456	199.38	0.08
25.40	0.06	3,448	199.38	0.08
25.50	0.06	3,441	199.38	0.08
25.60	0.06	3,435	199.38	0.08
25.70	0.06	3,429	199.38	0.07
25.80	0.06	3,423	199.38	0.07
25.90	0.05	3,417	199.38	0.07

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.05	3,411	199.38	0.07
26.10	0.05	3,406	199.37	0.07
26.20	0.05	3,401	199.37	0.07
26.30	0.05	3,396	199.37	0.06
26.40	0.05	3,391	199.37	0.06
26.50	0.05	3,387	199.37	0.06
26.60	0.05	3,382	199.37	0.06
26.70	0.05	3,377	199.37	0.06
26.80	0.04	3,373	199.37	0.06
26.90	0.04	3,368	199.37	0.06
27.00	0.04	3,364	199.37	0.05
27.10	0.04	3,359	199.37	0.05
27.20	0.04	3,355	199.37	0.05
27.30	0.04	3,351	199.37	0.05
27.40	0.04	3,346	199.37	0.05
27.50	0.04	3,342	199.37	0.05
27.60	0.04	3,338	199.37	0.05
27.70	0.03	3,334	199.37	0.05
27.80	0.03	3,330	199.37	0.04
27.90	0.03	3,326	199.37	0.04
28.00	0.03	3,322	199.37	0.04
28.10	0.03	3,319	199.37	0.04
28.20	0.03	3,315	199.36	0.04
28.30	0.03	3,311	199.36	0.04
28.40	0.03	3,308	199.36	0.04
28.50	0.03	3,304	199.36	0.04
28.60	0.03	3,301	199.36	0.04
28.70	0.03	3,298	199.36	0.03
28.80	0.03	3,295	199.36	0.03
28.90	0.02	3,292	199.36	0.03
29.00	0.02	3,289	199.36	0.03
29.10	0.02	3,286	199.36	0.03
29.20	0.02	3,283	199.36	0.03
29.30	0.02	3,280	199.36	0.03
29.40	0.02	3,277	199.36	0.03
29.50	0.02	3,275	199.36	0.03
29.60	0.02	3,272	199.36	0.03
29.70	0.02	3,270	199.36	0.03
29.80	0.02	3,267	199.36	0.03
29.90	0.02	3,264	199.36	0.03
30.00	0.02	3,262	199.36	0.03
30.10	0.02	3,259	199.36	0.03
30.20	0.02	3,256	199.36	0.02
30.30	0.02	3,253	199.36	0.02
30.40	0.02	3,251	199.36	0.02
30.50	0.02	3,248	199.36	0.02
30.60	0.02	3,245	199.36	0.02
30.70	0.02	3,243	199.36	0.02
30.80	0.02	3,240	199.36	0.02
30.90	0.01	3,237	199.36	0.02
31.00	0.01	3,235	199.36	0.02
31.10	0.01	3,232	199.36	0.02

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.01	3,230	199.36	0.02
31.30	0.01	3,227	199.36	0.02
31.40	0.01	3,225	199.35	0.02
31.50	0.01	3,222	199.35	0.02
31.60	0.01	3,220	199.35	0.02
31.70	0.01	3,217	199.35	0.02
31.80	0.01	3,215	199.35	0.02
31.90	0.01	3,212	199.35	0.02
32.00	0.01	3,210	199.35	0.02
32.10	0.01	3,208	199.35	0.02
32.20	0.01	3,205	199.35	0.02
32.30	0.01	3,203	199.35	0.02
32.40	0.01	3,201	199.35	0.02
32.50	0.01	3,199	199.35	0.02
32.60	0.01	3,197	199.35	0.02
32.70	0.01	3,195	199.35	0.02
32.80	0.01	3,192	199.35	0.02
32.90	0.01	3,190	199.35	0.01
33.00	0.01	3,188	199.35	0.01
33.10	0.01	3,186	199.35	0.01
33.20	0.01	3,185	199.35	0.01
33.30	0.01	3,183	199.35	0.01
33.40	0.01	3,181	199.35	0.01
33.50	0.01	3,179	199.35	0.01
33.60	0.01	3,177	199.35	0.01
33.70	0.01	3,176	199.35	0.01
33.80	0.01	3,174	199.35	0.01
33.90	0.01	3,172	199.35	0.01
34.00	0.01	3,171	199.35	0.01
34.10	0.01	3,169	199.35	0.01
34.20	0.01	3,168	199.35	0.01
34.30	0.01	3,166	199.35	0.01
34.40	0.01	3,165	199.35	0.01
34.50	0.01	3,164	199.35	0.01
34.60	0.01	3,162	199.35	0.01
34.70	0.01	3,161	199.35	0.01
34.80	0.01	3,160	199.35	0.01
34.90	0.01	3,158	199.35	0.01
35.00	0.01	3,157	199.35	0.01
35.10	0.01	3,156	199.35	0.01
35.20	0.01	3,155	199.35	0.01
35.30	0.01	3,154	199.35	0.01
35.40	0.01	3,153	199.35	0.01
35.50	0.01	3,151	199.35	0.01
35.60	0.01	3,150	199.35	0.01
35.70	0.01	3,149	199.35	0.01
35.80	0.01	3,148	199.35	0.01
35.90	0.01	3,147	199.35	0.01
36.00	0.01	3,146	199.35	0.01
36.10	0.01	3,145	199.35	0.01
36.20	0.01	3,144	199.35	0.01
36.30	0.01	3,143	199.35	0.01

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.01	3,142	199.35	0.01
36.50	0.01	3,142	199.35	0.01
36.60	0.01	3,141	199.35	0.01
36.70	0.01	3,140	199.35	0.01
36.80	0.00	3,139	199.35	0.01
36.90	0.00	3,138	199.35	0.01
37.00	0.00	3,137	199.35	0.01
37.10	0.00	3,137	199.35	0.01
37.20	0.00	3,136	199.34	0.01
37.30	0.00	3,135	199.34	0.01
37.40	0.00	3,134	199.34	0.01
37.50	0.00	3,134	199.34	0.01
37.60	0.00	3,133	199.34	0.01
37.70	0.00	3,132	199.34	0.01
37.80	0.00	3,131	199.34	0.01
37.90	0.00	3,131	199.34	0.01
38.00	0.00	3,130	199.34	0.01
38.10	0.00	3,129	199.34	0.01
38.20	0.00	3,129	199.34	0.01
38.30	0.00	3,128	199.34	0.01
38.40	0.00	3,127	199.34	0.01
38.50	0.00	3,127	199.34	0.01
38.60	0.00	3,126	199.34	0.01
38.70	0.00	3,126	199.34	0.01
38.80	0.00	3,125	199.34	0.01
38.90	0.00	3,125	199.34	0.01
39.00	0.00	3,124	199.34	0.00
39.10	0.00	3,123	199.34	0.00
39.20	0.00	3,123	199.34	0.00
39.30	0.00	3,122	199.34	0.00
39.40	0.00	3,122	199.34	0.00
39.50	0.00	3,121	199.34	0.00
39.60	0.00	3,121	199.34	0.00
39.70	0.00	3,120	199.34	0.00
39.80	0.00	3,120	199.34	0.00
39.90	0.00	3,119	199.34	0.00
40.00	0.00	3,119	199.34	0.00

Stage-Discharge for Pond B-58: Basin #58

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
199.00	0.00	199.52	0.74	200.04	4.78	200.56	7.09
199.01	0.00	199.53	0.80	200.05	4.83	200.57	7.13
199.02	0.00	199.54	0.86	200.06	4.89	200.58	7.17
199.03	0.00	199.55	0.93	200.07	4.94	200.59	7.20
199.04	0.00	199.56	0.99	200.08	5.00	200.60	7.24
199.05	0.00	199.57	1.06	200.09	5.05	200.61	7.28
199.06	0.00	199.58	1.13	200.10	5.10	200.62	7.31
199.07	0.00	199.59	1.20	200.11	5.16	200.63	7.35
199.08	0.00	199.60	1.28	200.12	5.21	200.64	7.38
199.09	0.00	199.61	1.35	200.13	5.26	200.65	7.42
199.10	0.00	199.62	1.43	200.14	5.31	200.66	7.45
199.11	0.00	199.63	1.50	200.15	5.36	200.67	7.49
199.12	0.00	199.64	1.58	200.16	5.41	200.68	7.52
199.13	0.00	199.65	1.66	200.17	5.46	200.69	7.56
199.14	0.00	199.66	1.74	200.18	5.50	200.70	7.59
199.15	0.00	199.67	1.83	200.19	5.55	200.71	7.63
199.16	0.00	199.68	1.91	200.20	5.60	200.72	7.66
199.17	0.00	199.69	1.99	200.21	5.65	200.73	7.70
199.18	0.00	199.70	2.08	200.22	5.69	200.74	7.73
199.19	0.00	199.71	2.17	200.23	5.74	200.75	7.76
199.20	0.00	199.72	2.26	200.24	5.79	200.76	7.80
199.21	0.00	199.73	2.35	200.25	5.83	200.77	7.83
199.22	0.00	199.74	2.44	200.26	5.88	200.78	7.86
199.23	0.00	199.75	2.53	200.27	5.92	200.79	7.90
199.24	0.00	199.76	2.62	200.28	5.97	200.80	7.93
199.25	0.00	199.77	2.72	200.29	6.01	200.81	7.96
199.26	0.00	199.78	2.81	200.30	6.05	200.82	8.00
199.27	0.00	199.79	2.91	200.31	6.10	200.83	8.03
199.28	0.00	199.80	3.00	200.32	6.14	200.84	8.06
199.29	0.00	199.81	3.10	200.33	6.18	200.85	8.09
199.30	0.00	199.82	3.20	200.34	6.23	200.86	8.13
199.31	0.00	199.83	3.30	200.35	6.27	200.87	8.16
199.32	0.00	199.84	3.40	200.36	6.31	200.88	8.19
199.33	0.00	199.85	3.50	200.37	6.35	200.89	8.22
199.34	0.00	199.86	3.58	200.38	6.39	200.90	8.25
199.35	0.01	199.87	3.67	200.39	6.43	200.91	8.29
199.36	0.03	199.88	3.74	200.40	6.47	200.92	8.32
199.37	0.05	199.89	3.82	200.41	6.51	200.93	8.35
199.38	0.08	199.90	3.89	200.42	6.55	200.94	8.38
199.39	0.11	199.91	3.97	200.43	6.59	200.95	8.41
199.40	0.14	199.92	4.04	200.44	6.63	200.96	8.44
199.41	0.18	199.93	4.10	200.45	6.67	200.97	8.47
199.42	0.22	199.94	4.17	200.46	6.71	200.98	8.50
199.43	0.26	199.95	4.24	200.47	6.75	200.99	8.53
199.44	0.30	199.96	4.30	200.48	6.79	201.00	8.56
199.45	0.35	199.97	4.36	200.49	6.83	201.01	8.61
199.46	0.40	199.98	4.43	200.50	6.87	201.02	8.66
199.47	0.45	199.99	4.49	200.51	6.91	201.03	8.72
199.48	0.50	200.00	4.55	200.52	6.94	201.04	8.79
199.49	0.56	200.01	4.61	200.53	6.98	201.05	8.86
199.50	0.62	200.02	4.66	200.54	7.02	201.06	8.94
199.51	0.67	200.03	4.72	200.55	7.06	201.07	9.02

Stage-Discharge for Pond B-58: Basin #58 (continued)

Elevation (feet)	Primary (cfs)
201.08	9.10
201.09	9.19
201.10	9.28
201.11	9.37
201.12	9.46
201.13	9.56
201.14	9.66
201.15	9.77
201.16	9.87
201.17	9.98
201.18	10.09
201.19	10.20
201.20	10.31
201.21	10.43
201.22	10.55
201.23	10.67
201.24	10.79
201.25	10.91
201.26	11.04
201.27	11.16
201.28	11.29
201.29	11.42
201.30	11.55
201.31	11.69
201.32	11.82
201.33	11.96
201.34	12.10
201.35	12.23
201.36	12.38
201.37	12.52
201.38	12.66
201.39	12.81
201.40	12.95
201.41	13.10
201.42	13.25
201.43	13.40
201.44	13.55
201.45	13.70
201.46	13.86
201.47	14.01
201.48	14.17
201.49	14.32
201.50	14.48
201.51	14.76
201.52	15.14
201.53	15.57
201.54	16.07
201.55	16.60
201.56	17.18
201.57	17.80
201.58	18.45
201.59	19.13
201.60	19.85
201.61	20.59
201.62	21.36
201.63	22.16
201.64	22.99
201.65	23.84
201.66	24.71
201.67	25.61
201.68	26.53
201.69	27.48
201.70	28.44
201.71	29.47
201.72	30.52
201.73	31.60
201.74	32.71
201.75	33.84
201.76	35.00
201.77	36.18
201.78	37.39
201.79	38.62
201.80	39.88
201.81	41.17
201.82	42.48
201.83	43.82
201.84	45.18
201.85	46.56
201.86	47.97
201.87	49.41
201.88	50.87
201.89	52.36
201.90	53.87
201.91	55.43
201.92	57.02
201.93	58.63
201.94	60.28
201.95	61.95
201.96	63.64
201.97	65.37
201.98	67.12
201.99	68.89
202.00	**70.70**

Stage-Area-Storage for Pond B-58: Basin #58

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
199.00	**9,090**	0	199.52	9,090	4,727
199.01	9,090	91	199.53	9,090	4,818
199.02	9,090	182	199.54	9,090	4,909
199.03	9,090	273	199.55	9,090	5,000
199.04	9,090	364	199.56	9,090	5,090
199.05	9,090	455	199.57	9,090	5,181
199.06	9,090	545	199.58	9,090	5,272
199.07	9,090	636	199.59	9,090	5,363
199.08	9,090	727	199.60	9,090	5,454
199.09	9,090	818	199.61	9,090	5,545
199.10	9,090	909	199.62	9,090	5,636
199.11	9,090	1,000	199.63	9,090	5,727
199.12	9,090	1,091	199.64	9,090	5,818
199.13	9,090	1,182	199.65	9,090	5,909
199.14	9,090	1,273	199.66	9,090	5,999
199.15	9,090	1,364	199.67	9,090	6,090
199.16	9,090	1,454	199.68	9,090	6,181
199.17	9,090	1,545	199.69	9,090	6,272
199.18	9,090	1,636	199.70	9,090	6,363
199.19	9,090	1,727	199.71	9,090	6,454
199.20	9,090	1,818	199.72	9,090	6,545
199.21	9,090	1,909	199.73	9,090	6,636
199.22	9,090	2,000	199.74	9,090	6,727
199.23	9,090	2,091	199.75	9,090	6,818
199.24	9,090	2,182	199.76	9,090	6,908
199.25	9,090	2,273	199.77	9,090	6,999
199.26	9,090	2,363	199.78	9,090	7,090
199.27	9,090	2,454	199.79	9,090	7,181
199.28	9,090	2,545	199.80	9,090	7,272
199.29	9,090	2,636	199.81	9,090	7,363
199.30	9,090	2,727	199.82	9,090	7,454
199.31	9,090	2,818	199.83	9,090	7,545
199.32	9,090	2,909	199.84	9,090	7,636
199.33	9,090	3,000	199.85	9,090	7,726
199.34	9,090	3,091	199.86	9,090	7,817
199.35	9,090	3,181	199.87	9,090	7,908
199.36	9,090	3,272	199.88	9,090	7,999
199.37	9,090	3,363	199.89	9,090	8,090
199.38	9,090	3,454	199.90	9,090	8,181
199.39	9,090	3,545	199.91	9,090	8,272
199.40	9,090	3,636	199.92	9,090	8,363
199.41	9,090	3,727	199.93	9,090	8,454
199.42	9,090	3,818	199.94	9,090	8,545
199.43	9,090	3,909	199.95	9,090	8,635
199.44	9,090	4,000	199.96	9,090	8,726
199.45	9,090	4,090	199.97	9,090	8,817
199.46	9,090	4,181	199.98	9,090	8,908
199.47	9,090	4,272	199.99	9,090	8,999
199.48	9,090	4,363	200.00	9,090	9,090
199.49	9,090	4,454	200.01	9,090	9,181
199.50	9,090	4,545	200.02	9,090	9,272
199.51	9,090	4,636	200.03	9,090	9,363

Stage-Area-Storage for Pond B-58: Basin #58 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
200.04	9,090	9,454	200.56	9,090	14,180
200.05	9,090	9,545	200.57	9,090	14,271
200.06	9,090	9,635	200.58	9,090	14,362
200.07	9,090	9,726	200.59	9,090	14,453
200.08	9,090	9,817	200.60	9,090	14,544
200.09	9,090	9,908	200.61	9,090	14,635
200.10	9,090	9,999	200.62	9,090	14,726
200.11	9,090	10,090	200.63	9,090	14,817
200.12	9,090	10,181	200.64	9,090	14,908
200.13	9,090	10,272	200.65	9,090	14,999
200.14	9,090	10,363	200.66	9,090	15,089
200.15	9,090	10,454	200.67	9,090	15,180
200.16	9,090	10,544	200.68	9,090	15,271
200.17	9,090	10,635	200.69	9,090	15,362
200.18	9,090	10,726	200.70	9,090	15,453
200.19	9,090	10,817	200.71	9,090	15,544
200.20	9,090	10,908	200.72	9,090	15,635
200.21	9,090	10,999	200.73	9,090	15,726
200.22	9,090	11,090	200.74	9,090	15,817
200.23	9,090	11,181	200.75	9,090	15,908
200.24	9,090	11,272	200.76	9,090	15,998
200.25	9,090	11,363	200.77	9,090	16,089
200.26	9,090	11,453	200.78	9,090	16,180
200.27	9,090	11,544	200.79	9,090	16,271
200.28	9,090	11,635	200.80	9,090	16,362
200.29	9,090	11,726	200.81	9,090	16,453
200.30	9,090	11,817	200.82	9,090	16,544
200.31	9,090	11,908	200.83	9,090	16,635
200.32	9,090	11,999	200.84	9,090	16,726
200.33	9,090	12,090	200.85	9,090	16,816
200.34	9,090	12,181	200.86	9,090	16,907
200.35	9,090	12,271	200.87	9,090	16,998
200.36	9,090	12,362	200.88	9,090	17,089
200.37	9,090	12,453	200.89	9,090	17,180
200.38	9,090	12,544	200.90	9,090	17,271
200.39	9,090	12,635	200.91	9,090	17,362
200.40	9,090	12,726	200.92	9,090	17,453
200.41	9,090	12,817	200.93	9,090	17,544
200.42	9,090	12,908	200.94	9,090	17,635
200.43	9,090	12,999	200.95	9,090	17,725
200.44	9,090	13,090	200.96	9,090	17,816
200.45	9,090	13,180	200.97	9,090	17,907
200.46	9,090	13,271	200.98	9,090	17,998
200.47	9,090	13,362	200.99	9,090	18,089
200.48	9,090	13,453	201.00	9,090	18,180
200.49	9,090	13,544	201.01	9,090	18,271
200.50	9,090	13,635	201.02	9,090	18,362
200.51	9,090	13,726	201.03	9,090	18,453
200.52	9,090	13,817	201.04	9,090	18,544
200.53	9,090	13,908	201.05	9,090	18,635
200.54	9,090	13,999	201.06	9,090	18,725
200.55	9,090	14,090	201.07	9,090	18,816

Stage-Area-Storage for Pond B-58: Basin #58 (continued)

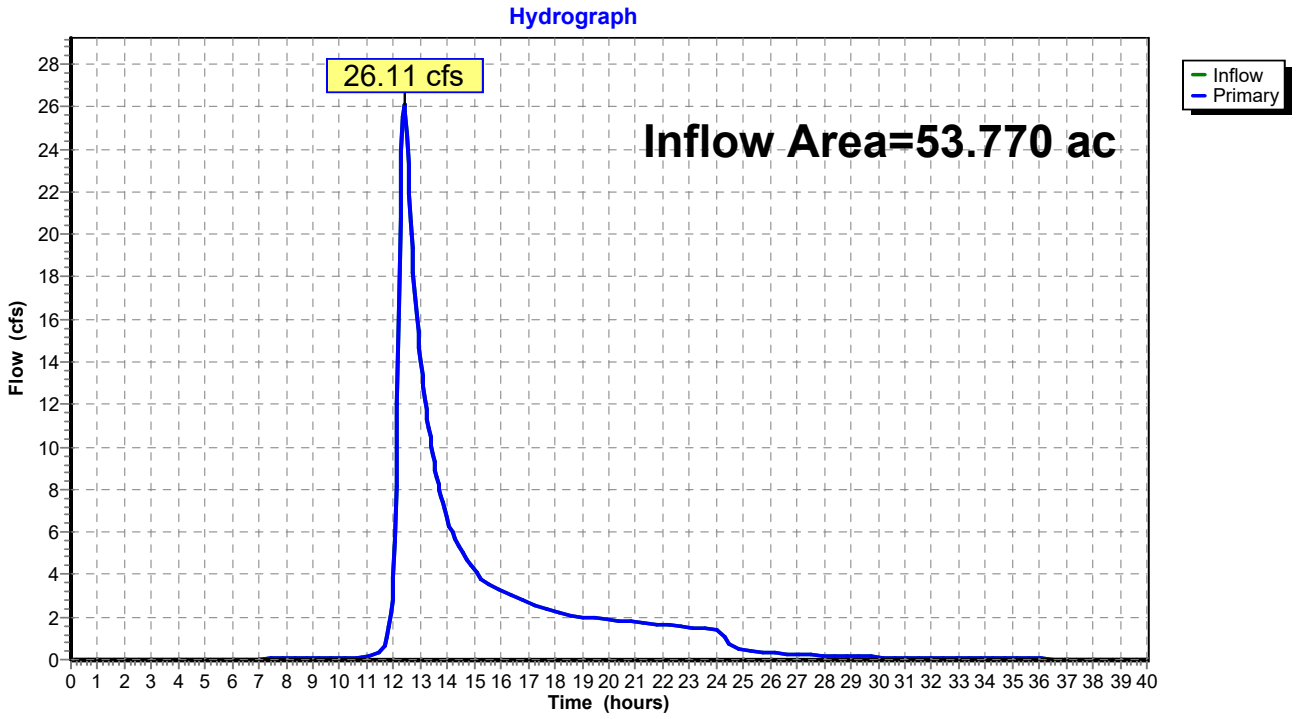
Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
201.08	9,090	18,907
201.09	9,090	18,998
201.10	9,090	19,089
201.11	9,090	19,180
201.12	9,090	19,271
201.13	9,090	19,362
201.14	9,090	19,453
201.15	9,090	19,544
201.16	9,090	19,634
201.17	9,090	19,725
201.18	9,090	19,816
201.19	9,090	19,907
201.20	9,090	19,998
201.21	9,090	20,089
201.22	9,090	20,180
201.23	9,090	20,271
201.24	9,090	20,362
201.25	9,090	20,453
201.26	9,090	20,543
201.27	9,090	20,634
201.28	9,090	20,725
201.29	9,090	20,816
201.30	9,090	20,907
201.31	9,090	20,998
201.32	9,090	21,089
201.33	9,090	21,180
201.34	9,090	21,271
201.35	9,090	21,361
201.36	9,090	21,452
201.37	9,090	21,543
201.38	9,090	21,634
201.39	9,090	21,725
201.40	9,090	21,816
201.41	9,090	21,907
201.42	9,090	21,998
201.43	9,090	22,089
201.44	9,090	22,180
201.45	9,090	22,270
201.46	9,090	22,361
201.47	9,090	22,452
201.48	9,090	22,543
201.49	9,090	22,634
201.50	9,090	22,725
201.51	9,090	22,816
201.52	9,090	22,907
201.53	9,090	22,998
201.54	9,090	23,089
201.55	9,090	23,180
201.56	9,090	23,270
201.57	9,090	23,361
201.58	9,090	23,452
201.59	9,090	23,543
201.60	9,090	23,634
201.61	9,090	23,725
201.62	9,090	23,816
201.63	9,090	23,907
201.64	9,090	23,998
201.65	9,090	24,089
201.66	9,090	24,179
201.67	9,090	24,270
201.68	9,090	24,361
201.69	9,090	24,452
201.70	9,090	24,543
201.71	9,090	24,634
201.72	9,090	24,725
201.73	9,090	24,816
201.74	9,090	24,907
201.75	9,090	24,998
201.76	9,090	25,088
201.77	9,090	25,179
201.78	9,090	25,270
201.79	9,090	25,361
201.80	9,090	25,452
201.81	9,090	25,543
201.82	9,090	25,634
201.83	9,090	25,725
201.84	9,090	25,816
201.85	9,090	25,906
201.86	9,090	25,997
201.87	9,090	26,088
201.88	9,090	26,179
201.89	9,090	26,270
201.90	9,090	26,361
201.91	9,090	26,452
201.92	9,090	26,543
201.93	9,090	26,634
201.94	9,090	26,725
201.95	9,090	26,815
201.96	9,090	26,906
201.97	9,090	26,997
201.98	9,090	27,088
201.99	9,090	27,179
202.00	9,090	**27,270**

Summary for Link PDA-6: Proposed Drainage Area #6

Inflow Area = 53.770 ac, 12.46% Impervious, Inflow Depth > 1.04" for Current 2 yr event
Inflow = 26.11 cfs @ 12.41 hrs, Volume= 4.677 af
Primary = 26.11 cfs @ 12.41 hrs, Volume= 4.677 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link PDA-6: Proposed Drainage Area #6



Hydrograph for Link PDA-6: Proposed Drainage Area #6

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.01	0.00	0.01
0.05	0.00	0.00	0.00	2.65	0.01	0.00	0.01
0.10	0.00	0.00	0.00	2.70	0.01	0.00	0.01
0.15	0.00	0.00	0.00	2.75	0.01	0.00	0.01
0.20	0.00	0.00	0.00	2.80	0.01	0.00	0.01
0.25	0.00	0.00	0.00	2.85	0.01	0.00	0.01
0.30	0.00	0.00	0.00	2.90	0.01	0.00	0.01
0.35	0.00	0.00	0.00	2.95	0.01	0.00	0.01
0.40	0.00	0.00	0.00	3.00	0.01	0.00	0.01
0.45	0.00	0.00	0.00	3.05	0.01	0.00	0.01
0.50	0.00	0.00	0.00	3.10	0.01	0.00	0.01
0.55	0.00	0.00	0.00	3.15	0.01	0.00	0.01
0.60	0.00	0.00	0.00	3.20	0.01	0.00	0.01
0.65	0.00	0.00	0.00	3.25	0.01	0.00	0.01
0.70	0.00	0.00	0.00	3.30	0.02	0.00	0.02
0.75	0.00	0.00	0.00	3.35	0.02	0.00	0.02
0.80	0.00	0.00	0.00	3.40	0.02	0.00	0.02
0.85	0.00	0.00	0.00	3.45	0.02	0.00	0.02
0.90	0.00	0.00	0.00	3.50	0.02	0.00	0.02
0.95	0.00	0.00	0.00	3.55	0.02	0.00	0.02
1.00	0.00	0.00	0.00	3.60	0.02	0.00	0.02
1.05	0.00	0.00	0.00	3.65	0.02	0.00	0.02
1.10	0.00	0.00	0.00	3.70	0.02	0.00	0.02
1.15	0.00	0.00	0.00	3.75	0.02	0.00	0.02
1.20	0.00	0.00	0.00	3.80	0.02	0.00	0.02
1.25	0.00	0.00	0.00	3.85	0.02	0.00	0.02
1.30	0.00	0.00	0.00	3.90	0.02	0.00	0.02
1.35	0.00	0.00	0.00	3.95	0.02	0.00	0.02
1.40	0.00	0.00	0.00	4.00	0.02	0.00	0.02
1.45	0.00	0.00	0.00	4.05	0.02	0.00	0.02
1.50	0.00	0.00	0.00	4.10	0.02	0.00	0.02
1.55	0.00	0.00	0.00	4.15	0.02	0.00	0.02
1.60	0.00	0.00	0.00	4.20	0.02	0.00	0.02
1.65	0.00	0.00	0.00	4.25	0.02	0.00	0.02
1.70	0.00	0.00	0.00	4.30	0.02	0.00	0.02
1.75	0.00	0.00	0.00	4.35	0.02	0.00	0.02
1.80	0.00	0.00	0.00	4.40	0.02	0.00	0.02
1.85	0.00	0.00	0.00	4.45	0.02	0.00	0.02
1.90	0.00	0.00	0.00	4.50	0.02	0.00	0.02
1.95	0.00	0.00	0.00	4.55	0.02	0.00	0.02
2.00	0.00	0.00	0.00	4.60	0.02	0.00	0.02
2.05	0.01	0.00	0.01	4.65	0.02	0.00	0.02
2.10	0.01	0.00	0.01	4.70	0.02	0.00	0.02
2.15	0.01	0.00	0.01	4.75	0.02	0.00	0.02
2.20	0.01	0.00	0.01	4.80	0.02	0.00	0.02
2.25	0.01	0.00	0.01	4.85	0.02	0.00	0.02
2.30	0.01	0.00	0.01	4.90	0.02	0.00	0.02
2.35	0.01	0.00	0.01	4.95	0.03	0.00	0.03
2.40	0.01	0.00	0.01	5.00	0.03	0.00	0.03
2.45	0.01	0.00	0.01	5.05	0.03	0.00	0.03
2.50	0.01	0.00	0.01	5.10	0.03	0.00	0.03
2.55	0.01	0.00	0.01	5.15	0.03	0.00	0.03

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.03	0.00	0.03	7.80	0.05	0.00	0.05
5.25	0.03	0.00	0.03	7.85	0.05	0.00	0.05
5.30	0.03	0.00	0.03	7.90	0.05	0.00	0.05
5.35	0.03	0.00	0.03	7.95	0.05	0.00	0.05
5.40	0.03	0.00	0.03	8.00	0.05	0.00	0.05
5.45	0.03	0.00	0.03	8.05	0.05	0.00	0.05
5.50	0.03	0.00	0.03	8.10	0.05	0.00	0.05
5.55	0.03	0.00	0.03	8.15	0.05	0.00	0.05
5.60	0.03	0.00	0.03	8.20	0.05	0.00	0.05
5.65	0.03	0.00	0.03	8.25	0.05	0.00	0.05
5.70	0.03	0.00	0.03	8.30	0.05	0.00	0.05
5.75	0.03	0.00	0.03	8.35	0.05	0.00	0.05
5.80	0.03	0.00	0.03	8.40	0.05	0.00	0.05
5.85	0.03	0.00	0.03	8.45	0.05	0.00	0.05
5.90	0.03	0.00	0.03	8.50	0.06	0.00	0.06
5.95	0.03	0.00	0.03	8.55	0.06	0.00	0.06
6.00	0.03	0.00	0.03	8.60	0.06	0.00	0.06
6.05	0.03	0.00	0.03	8.65	0.06	0.00	0.06
6.10	0.03	0.00	0.03	8.70	0.06	0.00	0.06
6.15	0.03	0.00	0.03	8.75	0.06	0.00	0.06
6.20	0.03	0.00	0.03	8.80	0.06	0.00	0.06
6.25	0.03	0.00	0.03	8.85	0.06	0.00	0.06
6.30	0.03	0.00	0.03	8.90	0.06	0.00	0.06
6.35	0.03	0.00	0.03	8.95	0.06	0.00	0.06
6.40	0.03	0.00	0.03	9.00	0.06	0.00	0.06
6.45	0.03	0.00	0.03	9.05	0.06	0.00	0.06
6.50	0.03	0.00	0.03	9.10	0.06	0.00	0.06
6.55	0.03	0.00	0.03	9.15	0.06	0.00	0.06
6.60	0.03	0.00	0.03	9.20	0.06	0.00	0.06
6.65	0.04	0.00	0.04	9.25	0.06	0.00	0.06
6.70	0.04	0.00	0.04	9.30	0.07	0.00	0.07
6.75	0.04	0.00	0.04	9.35	0.07	0.00	0.07
6.80	0.04	0.00	0.04	9.40	0.07	0.00	0.07
6.85	0.04	0.00	0.04	9.45	0.07	0.00	0.07
6.90	0.04	0.00	0.04	9.50	0.07	0.00	0.07
6.95	0.04	0.00	0.04	9.55	0.07	0.00	0.07
7.00	0.04	0.00	0.04	9.60	0.07	0.00	0.07
7.05	0.04	0.00	0.04	9.65	0.08	0.00	0.08
7.10	0.04	0.00	0.04	9.70	0.08	0.00	0.08
7.15	0.04	0.00	0.04	9.75	0.08	0.00	0.08
7.20	0.04	0.00	0.04	9.80	0.08	0.00	0.08
7.25	0.04	0.00	0.04	9.85	0.08	0.00	0.08
7.30	0.04	0.00	0.04	9.90	0.09	0.00	0.09
7.35	0.04	0.00	0.04	9.95	0.09	0.00	0.09
7.40	0.04	0.00	0.04	10.00	0.09	0.00	0.09
7.45	0.04	0.00	0.04	10.05	0.09	0.00	0.09
7.50	0.04	0.00	0.04	10.10	0.09	0.00	0.09
7.55	0.04	0.00	0.04	10.15	0.09	0.00	0.09
7.60	0.05	0.00	0.05	10.20	0.10	0.00	0.10
7.65	0.05	0.00	0.05	10.25	0.10	0.00	0.10
7.70	0.05	0.00	0.05	10.30	0.10	0.00	0.10
7.75	0.05	0.00	0.05	10.35	0.10	0.00	0.10

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.10	0.00	0.10	13.00	13.97	0.00	13.97
10.45	0.11	0.00	0.11	13.05	13.37	0.00	13.37
10.50	0.11	0.00	0.11	13.10	12.82	0.00	12.82
10.55	0.11	0.00	0.11	13.15	12.30	0.00	12.30
10.60	0.11	0.00	0.11	13.20	11.80	0.00	11.80
10.65	0.11	0.00	0.11	13.25	11.32	0.00	11.32
10.70	0.12	0.00	0.12	13.30	10.87	0.00	10.87
10.75	0.12	0.00	0.12	13.35	10.44	0.00	10.44
10.80	0.12	0.00	0.12	13.40	10.03	0.00	10.03
10.85	0.13	0.00	0.13	13.45	9.65	0.00	9.65
10.90	0.13	0.00	0.13	13.50	9.28	0.00	9.28
10.95	0.14	0.00	0.14	13.55	8.93	0.00	8.93
11.00	0.15	0.00	0.15	13.60	8.59	0.00	8.59
11.05	0.15	0.00	0.15	13.65	8.27	0.00	8.27
11.10	0.16	0.00	0.16	13.70	7.97	0.00	7.97
11.15	0.17	0.00	0.17	13.75	7.68	0.00	7.68
11.20	0.17	0.00	0.17	13.80	7.40	0.00	7.40
11.25	0.18	0.00	0.18	13.85	7.15	0.00	7.15
11.30	0.19	0.00	0.19	13.90	6.93	0.00	6.93
11.35	0.21	0.00	0.21	13.95	6.73	0.00	6.73
11.40	0.23	0.00	0.23	14.00	6.54	0.00	6.54
11.45	0.26	0.00	0.26	14.05	6.37	0.00	6.37
11.50	0.31	0.00	0.31	14.10	6.21	0.00	6.21
11.55	0.38	0.00	0.38	14.15	6.06	0.00	6.06
11.60	0.46	0.00	0.46	14.20	5.92	0.00	5.92
11.65	0.58	0.00	0.58	14.25	5.79	0.00	5.79
11.70	0.73	0.00	0.73	14.30	5.67	0.00	5.67
11.75	0.94	0.00	0.94	14.35	5.55	0.00	5.55
11.80	1.21	0.00	1.21	14.40	5.43	0.00	5.43
11.85	1.59	0.00	1.59	14.45	5.32	0.00	5.32
11.90	2.11	0.00	2.11	14.50	5.21	0.00	5.21
11.95	2.84	0.00	2.84	14.55	5.11	0.00	5.11
12.00	3.91	0.00	3.91	14.60	5.01	0.00	5.01
12.05	5.54	0.00	5.54	14.65	4.91	0.00	4.91
12.10	8.13	0.00	8.13	14.70	4.81	0.00	4.81
12.15	12.00	0.00	12.00	14.75	4.72	0.00	4.72
12.20	16.56	0.00	16.56	14.80	4.62	0.00	4.62
12.25	20.74	0.00	20.74	14.85	4.53	0.00	4.53
12.30	23.85	0.00	23.85	14.90	4.44	0.00	4.44
12.35	25.56	0.00	25.56	14.95	4.35	0.00	4.35
12.40	**26.10**	0.00	**26.10**	15.00	4.27	0.00	4.27
12.45	25.75	0.00	25.75	15.05	4.18	0.00	4.18
12.50	24.72	0.00	24.72	15.10	4.10	0.00	4.10
12.55	23.33	0.00	23.33	15.15	4.02	0.00	4.02
12.60	21.91	0.00	21.91	15.20	3.94	0.00	3.94
12.65	20.60	0.00	20.60	15.25	3.86	0.00	3.86
12.70	19.38	0.00	19.38	15.30	3.79	0.00	3.79
12.75	18.22	0.00	18.22	15.35	3.72	0.00	3.72
12.80	17.17	0.00	17.17	15.40	3.66	0.00	3.66
12.85	16.23	0.00	16.23	15.45	3.61	0.00	3.61
12.90	15.39	0.00	15.39	15.50	3.56	0.00	3.56
12.95	14.64	0.00	14.64	15.55	3.51	0.00	3.51

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	3.47	0.00	3.47	18.20	2.20	0.00	2.20
15.65	3.43	0.00	3.43	18.25	2.19	0.00	2.19
15.70	3.39	0.00	3.39	18.30	2.17	0.00	2.17
15.75	3.36	0.00	3.36	18.35	2.15	0.00	2.15
15.80	3.32	0.00	3.32	18.40	2.14	0.00	2.14
15.85	3.29	0.00	3.29	18.45	2.12	0.00	2.12
15.90	3.26	0.00	3.26	18.50	2.11	0.00	2.11
15.95	3.23	0.00	3.23	18.55	2.10	0.00	2.10
16.00	3.20	0.00	3.20	18.60	2.09	0.00	2.09
16.05	3.17	0.00	3.17	18.65	2.08	0.00	2.08
16.10	3.14	0.00	3.14	18.70	2.07	0.00	2.07
16.15	3.11	0.00	3.11	18.75	2.06	0.00	2.06
16.20	3.09	0.00	3.09	18.80	2.05	0.00	2.05
16.25	3.06	0.00	3.06	18.85	2.04	0.00	2.04
16.30	3.03	0.00	3.03	18.90	2.03	0.00	2.03
16.35	3.01	0.00	3.01	18.95	2.03	0.00	2.03
16.40	2.98	0.00	2.98	19.00	2.02	0.00	2.02
16.45	2.96	0.00	2.96	19.05	2.01	0.00	2.01
16.50	2.93	0.00	2.93	19.10	2.00	0.00	2.00
16.55	2.91	0.00	2.91	19.15	1.99	0.00	1.99
16.60	2.88	0.00	2.88	19.20	1.99	0.00	1.99
16.65	2.86	0.00	2.86	19.25	1.98	0.00	1.98
16.70	2.84	0.00	2.84	19.30	1.97	0.00	1.97
16.75	2.81	0.00	2.81	19.35	1.96	0.00	1.96
16.80	2.79	0.00	2.79	19.40	1.96	0.00	1.96
16.85	2.77	0.00	2.77	19.45	1.95	0.00	1.95
16.90	2.75	0.00	2.75	19.50	1.94	0.00	1.94
16.95	2.72	0.00	2.72	19.55	1.94	0.00	1.94
17.00	2.70	0.00	2.70	19.60	1.93	0.00	1.93
17.05	2.68	0.00	2.68	19.65	1.92	0.00	1.92
17.10	2.66	0.00	2.66	19.70	1.91	0.00	1.91
17.15	2.64	0.00	2.64	19.75	1.91	0.00	1.91
17.20	2.61	0.00	2.61	19.80	1.90	0.00	1.90
17.25	2.59	0.00	2.59	19.85	1.89	0.00	1.89
17.30	2.57	0.00	2.57	19.90	1.89	0.00	1.89
17.35	2.55	0.00	2.55	19.95	1.88	0.00	1.88
17.40	2.53	0.00	2.53	20.00	1.88	0.00	1.88
17.45	2.51	0.00	2.51	20.05	1.87	0.00	1.87
17.50	2.49	0.00	2.49	20.10	1.86	0.00	1.86
17.55	2.47	0.00	2.47	20.15	1.86	0.00	1.86
17.60	2.45	0.00	2.45	20.20	1.85	0.00	1.85
17.65	2.43	0.00	2.43	20.25	1.85	0.00	1.85
17.70	2.41	0.00	2.41	20.30	1.84	0.00	1.84
17.75	2.39	0.00	2.39	20.35	1.83	0.00	1.83
17.80	2.37	0.00	2.37	20.40	1.83	0.00	1.83
17.85	2.35	0.00	2.35	20.45	1.82	0.00	1.82
17.90	2.33	0.00	2.33	20.50	1.81	0.00	1.81
17.95	2.31	0.00	2.31	20.55	1.81	0.00	1.81
18.00	2.29	0.00	2.29	20.60	1.80	0.00	1.80
18.05	2.27	0.00	2.27	20.65	1.80	0.00	1.80
18.10	2.25	0.00	2.25	20.70	1.79	0.00	1.79
18.15	2.22	0.00	2.22	20.75	1.79	0.00	1.79

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	1.78	0.00	1.78	23.40	1.48	0.00	1.48
20.85	1.77	0.00	1.77	23.45	1.47	0.00	1.47
20.90	1.77	0.00	1.77	23.50	1.46	0.00	1.46
20.95	1.76	0.00	1.76	23.55	1.46	0.00	1.46
21.00	1.76	0.00	1.76	23.60	1.45	0.00	1.45
21.05	1.75	0.00	1.75	23.65	1.45	0.00	1.45
21.10	1.74	0.00	1.74	23.70	1.44	0.00	1.44
21.15	1.74	0.00	1.74	23.75	1.43	0.00	1.43
21.20	1.73	0.00	1.73	23.80	1.43	0.00	1.43
21.25	1.73	0.00	1.73	23.85	1.42	0.00	1.42
21.30	1.72	0.00	1.72	23.90	1.42	0.00	1.42
21.35	1.71	0.00	1.71	23.95	1.41	0.00	1.41
21.40	1.71	0.00	1.71	24.00	1.41	0.00	1.41
21.45	1.70	0.00	1.70	24.05	1.41	0.00	1.41
21.50	1.70	0.00	1.70	24.10	1.40	0.00	1.40
21.55	1.69	0.00	1.69	24.15	1.36	0.00	1.36
21.60	1.69	0.00	1.69	24.20	1.28	0.00	1.28
21.65	1.68	0.00	1.68	24.25	1.18	0.00	1.18
21.70	1.67	0.00	1.67	24.30	1.07	0.00	1.07
21.75	1.67	0.00	1.67	24.35	0.96	0.00	0.96
21.80	1.66	0.00	1.66	24.40	0.86	0.00	0.86
21.85	1.66	0.00	1.66	24.45	0.77	0.00	0.77
21.90	1.65	0.00	1.65	24.50	0.70	0.00	0.70
21.95	1.65	0.00	1.65	24.55	0.65	0.00	0.65
22.00	1.64	0.00	1.64	24.60	0.61	0.00	0.61
22.05	1.63	0.00	1.63	24.65	0.58	0.00	0.58
22.10	1.63	0.00	1.63	24.70	0.55	0.00	0.55
22.15	1.62	0.00	1.62	24.75	0.53	0.00	0.53
22.20	1.62	0.00	1.62	24.80	0.51	0.00	0.51
22.25	1.61	0.00	1.61	24.85	0.50	0.00	0.50
22.30	1.60	0.00	1.60	24.90	0.48	0.00	0.48
22.35	1.60	0.00	1.60	24.95	0.47	0.00	0.47
22.40	1.59	0.00	1.59	25.00	0.46	0.00	0.46
22.45	1.59	0.00	1.59	25.05	0.45	0.00	0.45
22.50	1.58	0.00	1.58	25.10	0.45	0.00	0.45
22.55	1.58	0.00	1.58	25.15	0.44	0.00	0.44
22.60	1.57	0.00	1.57	25.20	0.43	0.00	0.43
22.65	1.56	0.00	1.56	25.25	0.42	0.00	0.42
22.70	1.56	0.00	1.56	25.30	0.42	0.00	0.42
22.75	1.55	0.00	1.55	25.35	0.41	0.00	0.41
22.80	1.55	0.00	1.55	25.40	0.40	0.00	0.40
22.85	1.54	0.00	1.54	25.45	0.40	0.00	0.40
22.90	1.53	0.00	1.53	25.50	0.39	0.00	0.39
22.95	1.53	0.00	1.53	25.55	0.38	0.00	0.38
23.00	1.52	0.00	1.52	25.60	0.38	0.00	0.38
23.05	1.52	0.00	1.52	25.65	0.37	0.00	0.37
23.10	1.51	0.00	1.51	25.70	0.37	0.00	0.37
23.15	1.51	0.00	1.51	25.75	0.36	0.00	0.36
23.20	1.50	0.00	1.50	25.80	0.35	0.00	0.35
23.25	1.49	0.00	1.49	25.85	0.35	0.00	0.35
23.30	1.49	0.00	1.49	25.90	0.34	0.00	0.34
23.35	1.48	0.00	1.48	25.95	0.34	0.00	0.34

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.33	0.00	0.33	28.60	0.17	0.00	0.17
26.05	0.33	0.00	0.33	28.65	0.17	0.00	0.17
26.10	0.32	0.00	0.32	28.70	0.17	0.00	0.17
26.15	0.32	0.00	0.32	28.75	0.17	0.00	0.17
26.20	0.31	0.00	0.31	28.80	0.16	0.00	0.16
26.25	0.31	0.00	0.31	28.85	0.16	0.00	0.16
26.30	0.30	0.00	0.30	28.90	0.16	0.00	0.16
26.35	0.30	0.00	0.30	28.95	0.16	0.00	0.16
26.40	0.29	0.00	0.29	29.00	0.16	0.00	0.16
26.45	0.29	0.00	0.29	29.05	0.15	0.00	0.15
26.50	0.29	0.00	0.29	29.10	0.15	0.00	0.15
26.55	0.28	0.00	0.28	29.15	0.15	0.00	0.15
26.60	0.28	0.00	0.28	29.20	0.15	0.00	0.15
26.65	0.28	0.00	0.28	29.25	0.15	0.00	0.15
26.70	0.27	0.00	0.27	29.30	0.15	0.00	0.15
26.75	0.27	0.00	0.27	29.35	0.14	0.00	0.14
26.80	0.27	0.00	0.27	29.40	0.14	0.00	0.14
26.85	0.26	0.00	0.26	29.45	0.14	0.00	0.14
26.90	0.26	0.00	0.26	29.50	0.14	0.00	0.14
26.95	0.26	0.00	0.26	29.55	0.14	0.00	0.14
27.00	0.25	0.00	0.25	29.60	0.14	0.00	0.14
27.05	0.25	0.00	0.25	29.65	0.13	0.00	0.13
27.10	0.25	0.00	0.25	29.70	0.13	0.00	0.13
27.15	0.24	0.00	0.24	29.75	0.13	0.00	0.13
27.20	0.24	0.00	0.24	29.80	0.13	0.00	0.13
27.25	0.24	0.00	0.24	29.85	0.13	0.00	0.13
27.30	0.24	0.00	0.24	29.90	0.13	0.00	0.13
27.35	0.23	0.00	0.23	29.95	0.13	0.00	0.13
27.40	0.23	0.00	0.23	30.00	0.13	0.00	0.13
27.45	0.23	0.00	0.23	30.05	0.12	0.00	0.12
27.50	0.23	0.00	0.23	30.10	0.12	0.00	0.12
27.55	0.22	0.00	0.22	30.15	0.12	0.00	0.12
27.60	0.22	0.00	0.22	30.20	0.12	0.00	0.12
27.65	0.22	0.00	0.22	30.25	0.12	0.00	0.12
27.70	0.21	0.00	0.21	30.30	0.12	0.00	0.12
27.75	0.21	0.00	0.21	30.35	0.12	0.00	0.12
27.80	0.21	0.00	0.21	30.40	0.12	0.00	0.12
27.85	0.21	0.00	0.21	30.45	0.12	0.00	0.12
27.90	0.20	0.00	0.20	30.50	0.12	0.00	0.12
27.95	0.20	0.00	0.20	30.55	0.12	0.00	0.12
28.00	0.20	0.00	0.20	30.60	0.11	0.00	0.11
28.05	0.20	0.00	0.20	30.65	0.11	0.00	0.11
28.10	0.19	0.00	0.19	30.70	0.11	0.00	0.11
28.15	0.19	0.00	0.19	30.75	0.11	0.00	0.11
28.20	0.19	0.00	0.19	30.80	0.11	0.00	0.11
28.25	0.19	0.00	0.19	30.85	0.11	0.00	0.11
28.30	0.19	0.00	0.19	30.90	0.11	0.00	0.11
28.35	0.18	0.00	0.18	30.95	0.11	0.00	0.11
28.40	0.18	0.00	0.18	31.00	0.11	0.00	0.11
28.45	0.18	0.00	0.18	31.05	0.11	0.00	0.11
28.50	0.18	0.00	0.18	31.10	0.11	0.00	0.11
28.55	0.17	0.00	0.17	31.15	0.10	0.00	0.10

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.10	0.00	0.10	33.80	0.07	0.00	0.07
31.25	0.10	0.00	0.10	33.85	0.07	0.00	0.07
31.30	0.10	0.00	0.10	33.90	0.06	0.00	0.06
31.35	0.10	0.00	0.10	33.95	0.06	0.00	0.06
31.40	0.10	0.00	0.10	34.00	0.06	0.00	0.06
31.45	0.10	0.00	0.10	34.05	0.06	0.00	0.06
31.50	0.10	0.00	0.10	34.10	0.06	0.00	0.06
31.55	0.10	0.00	0.10	34.15	0.06	0.00	0.06
31.60	0.10	0.00	0.10	34.20	0.06	0.00	0.06
31.65	0.10	0.00	0.10	34.25	0.06	0.00	0.06
31.70	0.10	0.00	0.10	34.30	0.06	0.00	0.06
31.75	0.09	0.00	0.09	34.35	0.06	0.00	0.06
31.80	0.09	0.00	0.09	34.40	0.06	0.00	0.06
31.85	0.09	0.00	0.09	34.45	0.06	0.00	0.06
31.90	0.09	0.00	0.09	34.50	0.06	0.00	0.06
31.95	0.09	0.00	0.09	34.55	0.06	0.00	0.06
32.00	0.09	0.00	0.09	34.60	0.06	0.00	0.06
32.05	0.09	0.00	0.09	34.65	0.06	0.00	0.06
32.10	0.09	0.00	0.09	34.70	0.06	0.00	0.06
32.15	0.09	0.00	0.09	34.75	0.06	0.00	0.06
32.20	0.09	0.00	0.09	34.80	0.05	0.00	0.05
32.25	0.09	0.00	0.09	34.85	0.05	0.00	0.05
32.30	0.09	0.00	0.09	34.90	0.05	0.00	0.05
32.35	0.09	0.00	0.09	34.95	0.05	0.00	0.05
32.40	0.08	0.00	0.08	35.00	0.05	0.00	0.05
32.45	0.08	0.00	0.08	35.05	0.05	0.00	0.05
32.50	0.08	0.00	0.08	35.10	0.05	0.00	0.05
32.55	0.08	0.00	0.08	35.15	0.05	0.00	0.05
32.60	0.08	0.00	0.08	35.20	0.05	0.00	0.05
32.65	0.08	0.00	0.08	35.25	0.05	0.00	0.05
32.70	0.08	0.00	0.08	35.30	0.05	0.00	0.05
32.75	0.08	0.00	0.08	35.35	0.05	0.00	0.05
32.80	0.08	0.00	0.08	35.40	0.05	0.00	0.05
32.85	0.08	0.00	0.08	35.45	0.05	0.00	0.05
32.90	0.08	0.00	0.08	35.50	0.05	0.00	0.05
32.95	0.08	0.00	0.08	35.55	0.05	0.00	0.05
33.00	0.08	0.00	0.08	35.60	0.05	0.00	0.05
33.05	0.08	0.00	0.08	35.65	0.05	0.00	0.05
33.10	0.07	0.00	0.07	35.70	0.05	0.00	0.05
33.15	0.07	0.00	0.07	35.75	0.05	0.00	0.05
33.20	0.07	0.00	0.07	35.80	0.05	0.00	0.05
33.25	0.07	0.00	0.07	35.85	0.05	0.00	0.05
33.30	0.07	0.00	0.07	35.90	0.05	0.00	0.05
33.35	0.07	0.00	0.07	35.95	0.04	0.00	0.04
33.40	0.07	0.00	0.07	36.00	0.04	0.00	0.04
33.45	0.07	0.00	0.07	36.05	0.04	0.00	0.04
33.50	0.07	0.00	0.07	36.10	0.04	0.00	0.04
33.55	0.07	0.00	0.07	36.15	0.04	0.00	0.04
33.60	0.07	0.00	0.07	36.20	0.04	0.00	0.04
33.65	0.07	0.00	0.07	36.25	0.04	0.00	0.04
33.70	0.07	0.00	0.07	36.30	0.04	0.00	0.04
33.75	0.07	0.00	0.07	36.35	0.04	0.00	0.04

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

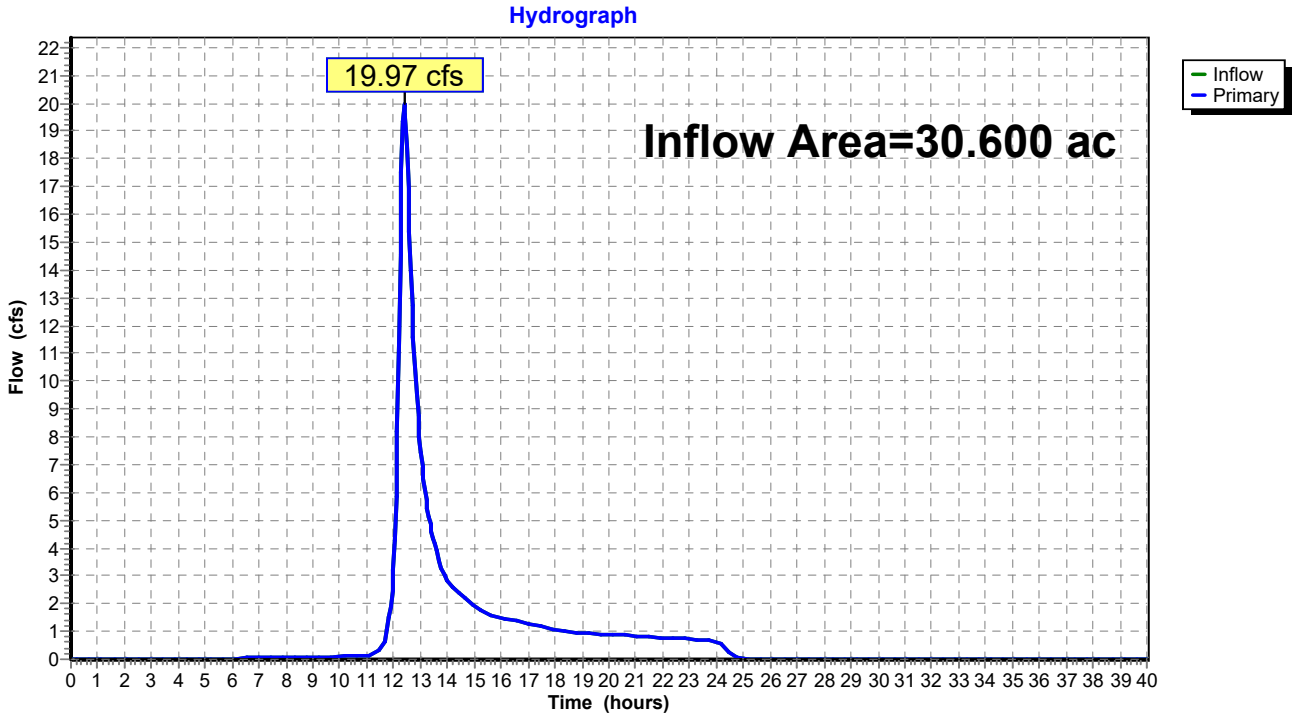
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.04	0.00	0.04
36.45	0.04	0.00	0.04
36.50	0.04	0.00	0.04
36.55	0.04	0.00	0.04
36.60	0.04	0.00	0.04
36.65	0.04	0.00	0.04
36.70	0.04	0.00	0.04
36.75	0.04	0.00	0.04
36.80	0.04	0.00	0.04
36.85	0.04	0.00	0.04
36.90	0.04	0.00	0.04
36.95	0.04	0.00	0.04
37.00	0.04	0.00	0.04
37.05	0.04	0.00	0.04
37.10	0.04	0.00	0.04
37.15	0.04	0.00	0.04
37.20	0.04	0.00	0.04
37.25	0.04	0.00	0.04
37.30	0.04	0.00	0.04
37.35	0.03	0.00	0.03
37.40	0.03	0.00	0.03
37.45	0.03	0.00	0.03
37.50	0.03	0.00	0.03
37.55	0.03	0.00	0.03
37.60	0.03	0.00	0.03
37.65	0.03	0.00	0.03
37.70	0.03	0.00	0.03
37.75	0.03	0.00	0.03
37.80	0.03	0.00	0.03
37.85	0.03	0.00	0.03
37.90	0.03	0.00	0.03
37.95	0.03	0.00	0.03
38.00	0.03	0.00	0.03
38.05	0.03	0.00	0.03
38.10	0.03	0.00	0.03
38.15	0.03	0.00	0.03
38.20	0.03	0.00	0.03
38.25	0.03	0.00	0.03
38.30	0.03	0.00	0.03
38.35	0.03	0.00	0.03
38.40	0.03	0.00	0.03
38.45	0.03	0.00	0.03
38.50	0.03	0.00	0.03
38.55	0.03	0.00	0.03
38.60	0.03	0.00	0.03
38.65	0.03	0.00	0.03
38.70	0.03	0.00	0.03
38.75	0.03	0.00	0.03
38.80	0.03	0.00	0.03
38.85	0.03	0.00	0.03
38.90	0.03	0.00	0.03
38.95	0.03	0.00	0.03
39.00	0.03	0.00	0.03
39.05	0.03	0.00	0.03
39.10	0.03	0.00	0.03
39.15	0.03	0.00	0.03
39.20	0.03	0.00	0.03
39.25	0.03	0.00	0.03
39.30	0.03	0.00	0.03
39.35	0.03	0.00	0.03
39.40	0.03	0.00	0.03
39.45	0.03	0.00	0.03
39.50	0.03	0.00	0.03
39.55	0.03	0.00	0.03
39.60	0.03	0.00	0.03
39.65	0.03	0.00	0.03
39.70	0.03	0.00	0.03
39.75	0.03	0.00	0.03
39.80	0.03	0.00	0.03
39.85	0.03	0.00	0.03
39.90	0.03	0.00	0.03
39.95	0.03	0.00	0.03
40.00	0.03	0.00	0.03

Summary for Link PDA-6OF: Proposed Offsite Drainage Area #6

Inflow Area = 30.600 ac, 2.48% Impervious, Inflow Depth = 0.97" for Current 2 yr event
Inflow = 19.97 cfs @ 12.41 hrs, Volume= 2.477 af
Primary = 19.97 cfs @ 12.41 hrs, Volume= 2.477 af, Atten= 0%, Lag= 0.0 min
Routed to Link PDA-6 : Proposed Drainage Area #6

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link PDA-6OF: Proposed Offsite Drainage Area #6



Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.01	0.00	0.01
0.05	0.00	0.00	0.00	2.65	0.01	0.00	0.01
0.10	0.00	0.00	0.00	2.70	0.01	0.00	0.01
0.15	0.00	0.00	0.00	2.75	0.01	0.00	0.01
0.20	0.00	0.00	0.00	2.80	0.01	0.00	0.01
0.25	0.00	0.00	0.00	2.85	0.01	0.00	0.01
0.30	0.00	0.00	0.00	2.90	0.01	0.00	0.01
0.35	0.00	0.00	0.00	2.95	0.01	0.00	0.01
0.40	0.00	0.00	0.00	3.00	0.01	0.00	0.01
0.45	0.00	0.00	0.00	3.05	0.01	0.00	0.01
0.50	0.00	0.00	0.00	3.10	0.01	0.00	0.01
0.55	0.00	0.00	0.00	3.15	0.01	0.00	0.01
0.60	0.00	0.00	0.00	3.20	0.01	0.00	0.01
0.65	0.00	0.00	0.00	3.25	0.01	0.00	0.01
0.70	0.00	0.00	0.00	3.30	0.02	0.00	0.02
0.75	0.00	0.00	0.00	3.35	0.02	0.00	0.02
0.80	0.00	0.00	0.00	3.40	0.02	0.00	0.02
0.85	0.00	0.00	0.00	3.45	0.02	0.00	0.02
0.90	0.00	0.00	0.00	3.50	0.02	0.00	0.02
0.95	0.00	0.00	0.00	3.55	0.02	0.00	0.02
1.00	0.00	0.00	0.00	3.60	0.02	0.00	0.02
1.05	0.00	0.00	0.00	3.65	0.02	0.00	0.02
1.10	0.00	0.00	0.00	3.70	0.02	0.00	0.02
1.15	0.00	0.00	0.00	3.75	0.02	0.00	0.02
1.20	0.00	0.00	0.00	3.80	0.02	0.00	0.02
1.25	0.00	0.00	0.00	3.85	0.02	0.00	0.02
1.30	0.00	0.00	0.00	3.90	0.02	0.00	0.02
1.35	0.00	0.00	0.00	3.95	0.02	0.00	0.02
1.40	0.00	0.00	0.00	4.00	0.02	0.00	0.02
1.45	0.00	0.00	0.00	4.05	0.02	0.00	0.02
1.50	0.00	0.00	0.00	4.10	0.02	0.00	0.02
1.55	0.00	0.00	0.00	4.15	0.02	0.00	0.02
1.60	0.00	0.00	0.00	4.20	0.02	0.00	0.02
1.65	0.00	0.00	0.00	4.25	0.02	0.00	0.02
1.70	0.00	0.00	0.00	4.30	0.02	0.00	0.02
1.75	0.00	0.00	0.00	4.35	0.02	0.00	0.02
1.80	0.00	0.00	0.00	4.40	0.02	0.00	0.02
1.85	0.00	0.00	0.00	4.45	0.02	0.00	0.02
1.90	0.00	0.00	0.00	4.50	0.02	0.00	0.02
1.95	0.00	0.00	0.00	4.55	0.02	0.00	0.02
2.00	0.00	0.00	0.00	4.60	0.02	0.00	0.02
2.05	0.01	0.00	0.01	4.65	0.02	0.00	0.02
2.10	0.01	0.00	0.01	4.70	0.02	0.00	0.02
2.15	0.01	0.00	0.01	4.75	0.02	0.00	0.02
2.20	0.01	0.00	0.01	4.80	0.02	0.00	0.02
2.25	0.01	0.00	0.01	4.85	0.02	0.00	0.02
2.30	0.01	0.00	0.01	4.90	0.02	0.00	0.02
2.35	0.01	0.00	0.01	4.95	0.03	0.00	0.03
2.40	0.01	0.00	0.01	5.00	0.03	0.00	0.03
2.45	0.01	0.00	0.01	5.05	0.03	0.00	0.03
2.50	0.01	0.00	0.01	5.10	0.03	0.00	0.03
2.55	0.01	0.00	0.01	5.15	0.03	0.00	0.03

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.03	0.00	0.03	7.80	0.05	0.00	0.05
5.25	0.03	0.00	0.03	7.85	0.05	0.00	0.05
5.30	0.03	0.00	0.03	7.90	0.05	0.00	0.05
5.35	0.03	0.00	0.03	7.95	0.05	0.00	0.05
5.40	0.03	0.00	0.03	8.00	0.05	0.00	0.05
5.45	0.03	0.00	0.03	8.05	0.05	0.00	0.05
5.50	0.03	0.00	0.03	8.10	0.05	0.00	0.05
5.55	0.03	0.00	0.03	8.15	0.05	0.00	0.05
5.60	0.03	0.00	0.03	8.20	0.05	0.00	0.05
5.65	0.03	0.00	0.03	8.25	0.05	0.00	0.05
5.70	0.03	0.00	0.03	8.30	0.05	0.00	0.05
5.75	0.03	0.00	0.03	8.35	0.05	0.00	0.05
5.80	0.03	0.00	0.03	8.40	0.05	0.00	0.05
5.85	0.03	0.00	0.03	8.45	0.05	0.00	0.05
5.90	0.03	0.00	0.03	8.50	0.06	0.00	0.06
5.95	0.03	0.00	0.03	8.55	0.06	0.00	0.06
6.00	0.03	0.00	0.03	8.60	0.06	0.00	0.06
6.05	0.03	0.00	0.03	8.65	0.06	0.00	0.06
6.10	0.03	0.00	0.03	8.70	0.06	0.00	0.06
6.15	0.03	0.00	0.03	8.75	0.06	0.00	0.06
6.20	0.03	0.00	0.03	8.80	0.06	0.00	0.06
6.25	0.03	0.00	0.03	8.85	0.06	0.00	0.06
6.30	0.03	0.00	0.03	8.90	0.06	0.00	0.06
6.35	0.03	0.00	0.03	8.95	0.06	0.00	0.06
6.40	0.03	0.00	0.03	9.00	0.06	0.00	0.06
6.45	0.03	0.00	0.03	9.05	0.06	0.00	0.06
6.50	0.03	0.00	0.03	9.10	0.06	0.00	0.06
6.55	0.03	0.00	0.03	9.15	0.06	0.00	0.06
6.60	0.03	0.00	0.03	9.20	0.06	0.00	0.06
6.65	0.04	0.00	0.04	9.25	0.06	0.00	0.06
6.70	0.04	0.00	0.04	9.30	0.07	0.00	0.07
6.75	0.04	0.00	0.04	9.35	0.07	0.00	0.07
6.80	0.04	0.00	0.04	9.40	0.07	0.00	0.07
6.85	0.04	0.00	0.04	9.45	0.07	0.00	0.07
6.90	0.04	0.00	0.04	9.50	0.07	0.00	0.07
6.95	0.04	0.00	0.04	9.55	0.07	0.00	0.07
7.00	0.04	0.00	0.04	9.60	0.07	0.00	0.07
7.05	0.04	0.00	0.04	9.65	0.08	0.00	0.08
7.10	0.04	0.00	0.04	9.70	0.08	0.00	0.08
7.15	0.04	0.00	0.04	9.75	0.08	0.00	0.08
7.20	0.04	0.00	0.04	9.80	0.08	0.00	0.08
7.25	0.04	0.00	0.04	9.85	0.08	0.00	0.08
7.30	0.04	0.00	0.04	9.90	0.09	0.00	0.09
7.35	0.04	0.00	0.04	9.95	0.09	0.00	0.09
7.40	0.04	0.00	0.04	10.00	0.09	0.00	0.09
7.45	0.04	0.00	0.04	10.05	0.09	0.00	0.09
7.50	0.04	0.00	0.04	10.10	0.09	0.00	0.09
7.55	0.04	0.00	0.04	10.15	0.09	0.00	0.09
7.60	0.05	0.00	0.05	10.20	0.10	0.00	0.10
7.65	0.05	0.00	0.05	10.25	0.10	0.00	0.10
7.70	0.05	0.00	0.05	10.30	0.10	0.00	0.10
7.75	0.05	0.00	0.05	10.35	0.10	0.00	0.10

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.10	0.00	0.10	13.00	7.42	0.00	7.42
10.45	0.11	0.00	0.11	13.05	6.92	0.00	6.92
10.50	0.11	0.00	0.11	13.10	6.48	0.00	6.48
10.55	0.11	0.00	0.11	13.15	6.08	0.00	6.08
10.60	0.11	0.00	0.11	13.20	5.73	0.00	5.73
10.65	0.11	0.00	0.11	13.25	5.40	0.00	5.40
10.70	0.12	0.00	0.12	13.30	5.11	0.00	5.11
10.75	0.12	0.00	0.12	13.35	4.84	0.00	4.84
10.80	0.12	0.00	0.12	13.40	4.59	0.00	4.59
10.85	0.13	0.00	0.13	13.45	4.37	0.00	4.37
10.90	0.13	0.00	0.13	13.50	4.16	0.00	4.16
10.95	0.14	0.00	0.14	13.55	3.97	0.00	3.97
11.00	0.15	0.00	0.15	13.60	3.80	0.00	3.80
11.05	0.15	0.00	0.15	13.65	3.64	0.00	3.64
11.10	0.16	0.00	0.16	13.70	3.48	0.00	3.48
11.15	0.17	0.00	0.17	13.75	3.33	0.00	3.33
11.20	0.17	0.00	0.17	13.80	3.20	0.00	3.20
11.25	0.18	0.00	0.18	13.85	3.08	0.00	3.08
11.30	0.19	0.00	0.19	13.90	2.97	0.00	2.97
11.35	0.21	0.00	0.21	13.95	2.88	0.00	2.88
11.40	0.23	0.00	0.23	14.00	2.80	0.00	2.80
11.45	0.26	0.00	0.26	14.05	2.74	0.00	2.74
11.50	0.31	0.00	0.31	14.10	2.68	0.00	2.68
11.55	0.38	0.00	0.38	14.15	2.62	0.00	2.62
11.60	0.46	0.00	0.46	14.20	2.58	0.00	2.58
11.65	0.58	0.00	0.58	14.25	2.53	0.00	2.53
11.70	0.73	0.00	0.73	14.30	2.49	0.00	2.49
11.75	0.93	0.00	0.93	14.35	2.45	0.00	2.45
11.80	1.18	0.00	1.18	14.40	2.41	0.00	2.41
11.85	1.49	0.00	1.49	14.45	2.37	0.00	2.37
11.90	1.90	0.00	1.90	14.50	2.33	0.00	2.33
11.95	2.44	0.00	2.44	14.55	2.29	0.00	2.29
12.00	3.19	0.00	3.19	14.60	2.25	0.00	2.25
12.05	4.25	0.00	4.25	14.65	2.22	0.00	2.22
12.10	5.87	0.00	5.87	14.70	2.18	0.00	2.18
12.15	8.22	0.00	8.22	14.75	2.14	0.00	2.14
12.20	11.25	0.00	11.25	14.80	2.10	0.00	2.10
12.25	14.59	0.00	14.59	14.85	2.06	0.00	2.06
12.30	17.52	0.00	17.52	14.90	2.02	0.00	2.02
12.35	19.35	0.00	19.35	14.95	1.99	0.00	1.99
12.40	**19.97**	0.00	**19.97**	15.00	1.95	0.00	1.95
12.45	19.60	0.00	19.60	15.05	1.91	0.00	1.91
12.50	18.49	0.00	18.49	15.10	1.87	0.00	1.87
12.55	16.97	0.00	16.97	15.15	1.83	0.00	1.83
12.60	15.39	0.00	15.39	15.20	1.79	0.00	1.79
12.65	14.01	0.00	14.01	15.25	1.75	0.00	1.75
12.70	12.76	0.00	12.76	15.30	1.72	0.00	1.72
12.75	11.60	0.00	11.60	15.35	1.69	0.00	1.69
12.80	10.53	0.00	10.53	15.40	1.66	0.00	1.66
12.85	9.58	0.00	9.58	15.45	1.63	0.00	1.63
12.90	8.75	0.00	8.75	15.50	1.61	0.00	1.61
12.95	8.03	0.00	8.03	15.55	1.59	0.00	1.59

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	1.58	0.00	1.58	18.20	1.02	0.00	1.02
15.65	1.56	0.00	1.56	18.25	1.01	0.00	1.01
15.70	1.55	0.00	1.55	18.30	1.00	0.00	1.00
15.75	1.54	0.00	1.54	18.35	0.99	0.00	0.99
15.80	1.53	0.00	1.53	18.40	0.98	0.00	0.98
15.85	1.52	0.00	1.52	18.45	0.98	0.00	0.98
15.90	1.51	0.00	1.51	18.50	0.97	0.00	0.97
15.95	1.49	0.00	1.49	18.55	0.96	0.00	0.96
16.00	1.48	0.00	1.48	18.60	0.96	0.00	0.96
16.05	1.47	0.00	1.47	18.65	0.96	0.00	0.96
16.10	1.46	0.00	1.46	18.70	0.95	0.00	0.95
16.15	1.45	0.00	1.45	18.75	0.95	0.00	0.95
16.20	1.44	0.00	1.44	18.80	0.95	0.00	0.95
16.25	1.43	0.00	1.43	18.85	0.94	0.00	0.94
16.30	1.42	0.00	1.42	18.90	0.94	0.00	0.94
16.35	1.41	0.00	1.41	18.95	0.94	0.00	0.94
16.40	1.40	0.00	1.40	19.00	0.94	0.00	0.94
16.45	1.39	0.00	1.39	19.05	0.93	0.00	0.93
16.50	1.38	0.00	1.38	19.10	0.93	0.00	0.93
16.55	1.37	0.00	1.37	19.15	0.93	0.00	0.93
16.60	1.36	0.00	1.36	19.20	0.93	0.00	0.93
16.65	1.35	0.00	1.35	19.25	0.92	0.00	0.92
16.70	1.34	0.00	1.34	19.30	0.92	0.00	0.92
16.75	1.33	0.00	1.33	19.35	0.92	0.00	0.92
16.80	1.32	0.00	1.32	19.40	0.92	0.00	0.92
16.85	1.31	0.00	1.31	19.45	0.91	0.00	0.91
16.90	1.30	0.00	1.30	19.50	0.91	0.00	0.91
16.95	1.29	0.00	1.29	19.55	0.91	0.00	0.91
17.00	1.28	0.00	1.28	19.60	0.91	0.00	0.91
17.05	1.27	0.00	1.27	19.65	0.90	0.00	0.90
17.10	1.26	0.00	1.26	19.70	0.90	0.00	0.90
17.15	1.25	0.00	1.25	19.75	0.90	0.00	0.90
17.20	1.24	0.00	1.24	19.80	0.90	0.00	0.90
17.25	1.23	0.00	1.23	19.85	0.89	0.00	0.89
17.30	1.22	0.00	1.22	19.90	0.89	0.00	0.89
17.35	1.21	0.00	1.21	19.95	0.89	0.00	0.89
17.40	1.19	0.00	1.19	20.00	0.89	0.00	0.89
17.45	1.18	0.00	1.18	20.05	0.88	0.00	0.88
17.50	1.17	0.00	1.17	20.10	0.88	0.00	0.88
17.55	1.16	0.00	1.16	20.15	0.88	0.00	0.88
17.60	1.15	0.00	1.15	20.20	0.88	0.00	0.88
17.65	1.14	0.00	1.14	20.25	0.87	0.00	0.87
17.70	1.13	0.00	1.13	20.30	0.87	0.00	0.87
17.75	1.12	0.00	1.12	20.35	0.87	0.00	0.87
17.80	1.11	0.00	1.11	20.40	0.86	0.00	0.86
17.85	1.10	0.00	1.10	20.45	0.86	0.00	0.86
17.90	1.09	0.00	1.09	20.50	0.86	0.00	0.86
17.95	1.08	0.00	1.08	20.55	0.86	0.00	0.86
18.00	1.06	0.00	1.06	20.60	0.85	0.00	0.85
18.05	1.05	0.00	1.05	20.65	0.85	0.00	0.85
18.10	1.04	0.00	1.04	20.70	0.85	0.00	0.85
18.15	1.03	0.00	1.03	20.75	0.85	0.00	0.85

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.84	0.00	0.84	23.40	0.70	0.00	0.70
20.85	0.84	0.00	0.84	23.45	0.70	0.00	0.70
20.90	0.84	0.00	0.84	23.50	0.69	0.00	0.69
20.95	0.84	0.00	0.84	23.55	0.69	0.00	0.69
21.00	0.83	0.00	0.83	23.60	0.69	0.00	0.69
21.05	0.83	0.00	0.83	23.65	0.69	0.00	0.69
21.10	0.83	0.00	0.83	23.70	0.68	0.00	0.68
21.15	0.82	0.00	0.82	23.75	0.68	0.00	0.68
21.20	0.82	0.00	0.82	23.80	0.68	0.00	0.68
21.25	0.82	0.00	0.82	23.85	0.67	0.00	0.67
21.30	0.82	0.00	0.82	23.90	0.67	0.00	0.67
21.35	0.81	0.00	0.81	23.95	0.67	0.00	0.67
21.40	0.81	0.00	0.81	24.00	0.67	0.00	0.67
21.45	0.81	0.00	0.81	24.05	0.67	0.00	0.67
21.50	0.81	0.00	0.81	24.10	0.67	0.00	0.67
21.55	0.80	0.00	0.80	24.15	0.66	0.00	0.66
21.60	0.80	0.00	0.80	24.20	0.62	0.00	0.62
21.65	0.80	0.00	0.80	24.25	0.56	0.00	0.56
21.70	0.80	0.00	0.80	24.30	0.48	0.00	0.48
21.75	0.79	0.00	0.79	24.35	0.39	0.00	0.39
21.80	0.79	0.00	0.79	24.40	0.31	0.00	0.31
21.85	0.79	0.00	0.79	24.45	0.24	0.00	0.24
21.90	0.78	0.00	0.78	24.50	0.18	0.00	0.18
21.95	0.78	0.00	0.78	24.55	0.13	0.00	0.13
22.00	0.78	0.00	0.78	24.60	0.10	0.00	0.10
22.05	0.78	0.00	0.78	24.65	0.08	0.00	0.08
22.10	0.77	0.00	0.77	24.70	0.06	0.00	0.06
22.15	0.77	0.00	0.77	24.75	0.04	0.00	0.04
22.20	0.77	0.00	0.77	24.80	0.03	0.00	0.03
22.25	0.76	0.00	0.76	24.85	0.02	0.00	0.02
22.30	0.76	0.00	0.76	24.90	0.02	0.00	0.02
22.35	0.76	0.00	0.76	24.95	0.01	0.00	0.01
22.40	0.76	0.00	0.76	25.00	0.01	0.00	0.01
22.45	0.75	0.00	0.75	25.05	0.01	0.00	0.01
22.50	0.75	0.00	0.75	25.10	0.01	0.00	0.01
22.55	0.75	0.00	0.75	25.15	0.00	0.00	0.00
22.60	0.75	0.00	0.75	25.20	0.00	0.00	0.00
22.65	0.74	0.00	0.74	25.25	0.00	0.00	0.00
22.70	0.74	0.00	0.74	25.30	0.00	0.00	0.00
22.75	0.74	0.00	0.74	25.35	0.00	0.00	0.00
22.80	0.73	0.00	0.73	25.40	0.00	0.00	0.00
22.85	0.73	0.00	0.73	25.45	0.00	0.00	0.00
22.90	0.73	0.00	0.73	25.50	0.00	0.00	0.00
22.95	0.73	0.00	0.73	25.55	0.00	0.00	0.00
23.00	0.72	0.00	0.72	25.60	0.00	0.00	0.00
23.05	0.72	0.00	0.72	25.65	0.00	0.00	0.00
23.10	0.72	0.00	0.72	25.70	0.00	0.00	0.00
23.15	0.71	0.00	0.71	25.75	0.00	0.00	0.00
23.20	0.71	0.00	0.71	25.80	0.00	0.00	0.00
23.25	0.71	0.00	0.71	25.85	0.00	0.00	0.00
23.30	0.71	0.00	0.71	25.90	0.00	0.00	0.00
23.35	0.70	0.00	0.70	25.95	0.00	0.00	0.00

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

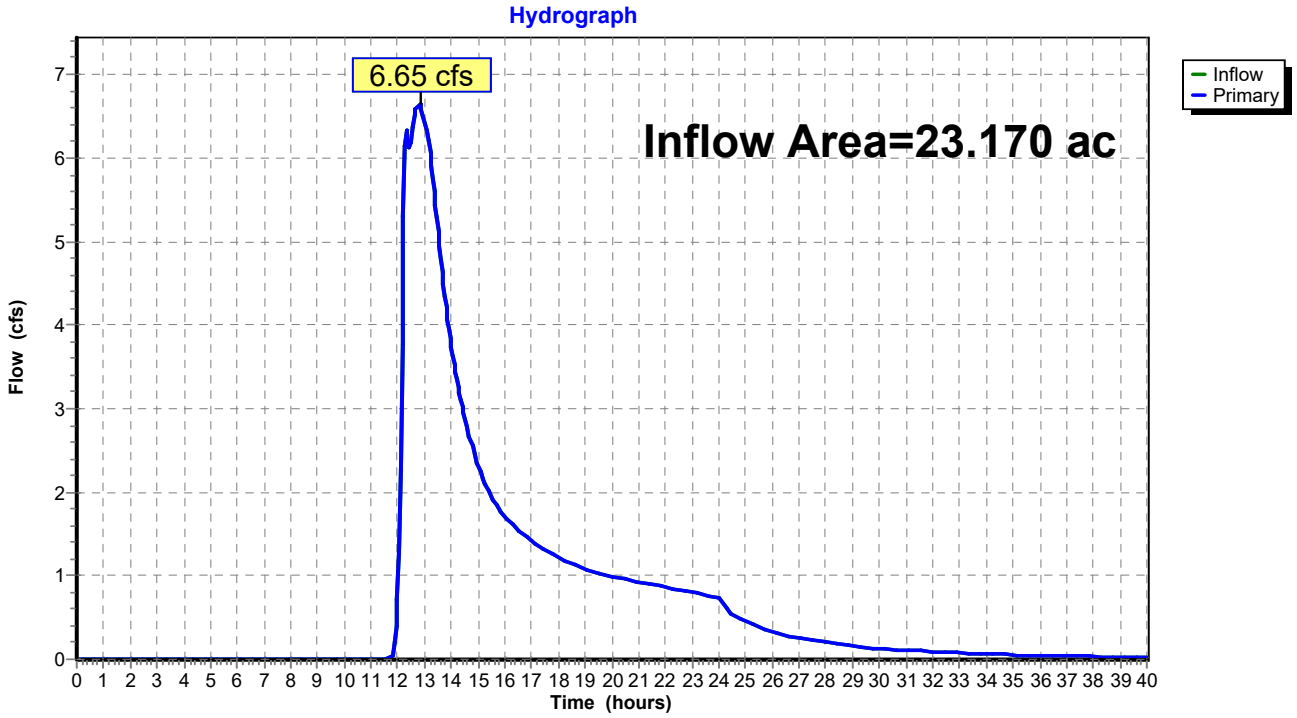
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link PDA-6ON: Proposed Onsite Drainage Area #6

Inflow Area = 23.170 ac, 25.64% Impervious, Inflow Depth > 1.14" for Current 2 yr event
Inflow = 6.65 cfs @ 12.85 hrs, Volume= 2.200 af
Primary = 6.65 cfs @ 12.85 hrs, Volume= 2.200 af, Atten= 0%, Lag= 0.0 min
Routed to Link PDA-6 : Proposed Drainage Area #6

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link PDA-6ON: Proposed Onsite Drainage Area #6



Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.00	0.00	0.00
7.40	0.00	0.00	0.00	10.00	0.00	0.00	0.00
7.45	0.00	0.00	0.00	10.05	0.00	0.00	0.00
7.50	0.00	0.00	0.00	10.10	0.00	0.00	0.00
7.55	0.00	0.00	0.00	10.15	0.00	0.00	0.00
7.60	0.00	0.00	0.00	10.20	0.00	0.00	0.00
7.65	0.00	0.00	0.00	10.25	0.00	0.00	0.00
7.70	0.00	0.00	0.00	10.30	0.00	0.00	0.00
7.75	0.00	0.00	0.00	10.35	0.00	0.00	0.00

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.00	0.00	0.00	13.00	6.55	0.00	6.55
10.45	0.00	0.00	0.00	13.05	6.46	0.00	6.46
10.50	0.00	0.00	0.00	13.10	6.35	0.00	6.35
10.55	0.00	0.00	0.00	13.15	6.21	0.00	6.21
10.60	0.00	0.00	0.00	13.20	6.07	0.00	6.07
10.65	0.00	0.00	0.00	13.25	5.91	0.00	5.91
10.70	0.00	0.00	0.00	13.30	5.76	0.00	5.76
10.75	0.00	0.00	0.00	13.35	5.60	0.00	5.60
10.80	0.00	0.00	0.00	13.40	5.44	0.00	5.44
10.85	0.00	0.00	0.00	13.45	5.28	0.00	5.28
10.90	0.00	0.00	0.00	13.50	5.12	0.00	5.12
10.95	0.00	0.00	0.00	13.55	4.96	0.00	4.96
11.00	0.00	0.00	0.00	13.60	4.79	0.00	4.79
11.05	0.00	0.00	0.00	13.65	4.64	0.00	4.64
11.10	0.00	0.00	0.00	13.70	4.49	0.00	4.49
11.15	0.00	0.00	0.00	13.75	4.34	0.00	4.34
11.20	0.00	0.00	0.00	13.80	4.21	0.00	4.21
11.25	0.00	0.00	0.00	13.85	4.08	0.00	4.08
11.30	0.00	0.00	0.00	13.90	3.96	0.00	3.96
11.35	0.00	0.00	0.00	13.95	3.85	0.00	3.85
11.40	0.00	0.00	0.00	14.00	3.74	0.00	3.74
11.45	0.00	0.00	0.00	14.05	3.63	0.00	3.63
11.50	0.00	0.00	0.00	14.10	3.53	0.00	3.53
11.55	0.00	0.00	0.00	14.15	3.43	0.00	3.43
11.60	0.00	0.00	0.00	14.20	3.35	0.00	3.35
11.65	0.00	0.00	0.00	14.25	3.26	0.00	3.26
11.70	0.00	0.00	0.00	14.30	3.18	0.00	3.18
11.75	0.01	0.00	0.01	14.35	3.10	0.00	3.10
11.80	0.04	0.00	0.04	14.40	3.03	0.00	3.03
11.85	0.10	0.00	0.10	14.45	2.95	0.00	2.95
11.90	0.21	0.00	0.21	14.50	2.88	0.00	2.88
11.95	0.40	0.00	0.40	14.55	2.82	0.00	2.82
12.00	0.72	0.00	0.72	14.60	2.76	0.00	2.76
12.05	1.28	0.00	1.28	14.65	2.70	0.00	2.70
12.10	2.26	0.00	2.26	14.70	2.64	0.00	2.64
12.15	3.78	0.00	3.78	14.75	2.58	0.00	2.58
12.20	5.30	0.00	5.30	14.80	2.52	0.00	2.52
12.25	6.16	0.00	6.16	14.85	2.47	0.00	2.47
12.30	6.33	0.00	6.33	14.90	2.42	0.00	2.42
12.35	6.21	0.00	6.21	14.95	2.37	0.00	2.37
12.40	6.14	0.00	6.14	15.00	2.32	0.00	2.32
12.45	6.14	0.00	6.14	15.05	2.27	0.00	2.27
12.50	6.23	0.00	6.23	15.10	2.23	0.00	2.23
12.55	6.37	0.00	6.37	15.15	2.19	0.00	2.19
12.60	6.52	0.00	6.52	15.20	2.15	0.00	2.15
12.65	6.59	0.00	6.59	15.25	2.11	0.00	2.11
12.70	6.62	0.00	6.62	15.30	2.07	0.00	2.07
12.75	6.63	0.00	6.63	15.35	2.04	0.00	2.04
12.80	6.64	0.00	6.64	15.40	2.01	0.00	2.01
12.85	**6.65**	0.00	**6.65**	15.45	1.97	0.00	1.97
12.90	6.64	0.00	6.64	15.50	1.95	0.00	1.95
12.95	6.61	0.00	6.61	15.55	1.92	0.00	1.92

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	1.89	0.00	1.89	18.20	1.19	0.00	1.19
15.65	1.86	0.00	1.86	18.25	1.18	0.00	1.18
15.70	1.84	0.00	1.84	18.30	1.17	0.00	1.17
15.75	1.82	0.00	1.82	18.35	1.16	0.00	1.16
15.80	1.79	0.00	1.79	18.40	1.15	0.00	1.15
15.85	1.77	0.00	1.77	18.45	1.15	0.00	1.15
15.90	1.75	0.00	1.75	18.50	1.14	0.00	1.14
15.95	1.73	0.00	1.73	18.55	1.13	0.00	1.13
16.00	1.71	0.00	1.71	18.60	1.13	0.00	1.13
16.05	1.70	0.00	1.70	18.65	1.12	0.00	1.12
16.10	1.68	0.00	1.68	18.70	1.12	0.00	1.12
16.15	1.66	0.00	1.66	18.75	1.11	0.00	1.11
16.20	1.64	0.00	1.64	18.80	1.10	0.00	1.10
16.25	1.63	0.00	1.63	18.85	1.10	0.00	1.10
16.30	1.61	0.00	1.61	18.90	1.09	0.00	1.09
16.35	1.60	0.00	1.60	18.95	1.09	0.00	1.09
16.40	1.58	0.00	1.58	19.00	1.08	0.00	1.08
16.45	1.56	0.00	1.56	19.05	1.08	0.00	1.08
16.50	1.55	0.00	1.55	19.10	1.07	0.00	1.07
16.55	1.54	0.00	1.54	19.15	1.07	0.00	1.07
16.60	1.52	0.00	1.52	19.20	1.06	0.00	1.06
16.65	1.51	0.00	1.51	19.25	1.06	0.00	1.06
16.70	1.50	0.00	1.50	19.30	1.05	0.00	1.05
16.75	1.48	0.00	1.48	19.35	1.05	0.00	1.05
16.80	1.47	0.00	1.47	19.40	1.04	0.00	1.04
16.85	1.46	0.00	1.46	19.45	1.04	0.00	1.04
16.90	1.45	0.00	1.45	19.50	1.03	0.00	1.03
16.95	1.43	0.00	1.43	19.55	1.03	0.00	1.03
17.00	1.42	0.00	1.42	19.60	1.02	0.00	1.02
17.05	1.41	0.00	1.41	19.65	1.02	0.00	1.02
17.10	1.40	0.00	1.40	19.70	1.01	0.00	1.01
17.15	1.39	0.00	1.39	19.75	1.01	0.00	1.01
17.20	1.38	0.00	1.38	19.80	1.01	0.00	1.01
17.25	1.37	0.00	1.37	19.85	1.00	0.00	1.00
17.30	1.36	0.00	1.36	19.90	1.00	0.00	1.00
17.35	1.35	0.00	1.35	19.95	0.99	0.00	0.99
17.40	1.34	0.00	1.34	20.00	0.99	0.00	0.99
17.45	1.33	0.00	1.33	20.05	0.99	0.00	0.99
17.50	1.32	0.00	1.32	20.10	0.98	0.00	0.98
17.55	1.31	0.00	1.31	20.15	0.98	0.00	0.98
17.60	1.30	0.00	1.30	20.20	0.98	0.00	0.98
17.65	1.29	0.00	1.29	20.25	0.97	0.00	0.97
17.70	1.28	0.00	1.28	20.30	0.97	0.00	0.97
17.75	1.27	0.00	1.27	20.35	0.97	0.00	0.97
17.80	1.26	0.00	1.26	20.40	0.96	0.00	0.96
17.85	1.25	0.00	1.25	20.45	0.96	0.00	0.96
17.90	1.24	0.00	1.24	20.50	0.96	0.00	0.96
17.95	1.23	0.00	1.23	20.55	0.95	0.00	0.95
18.00	1.22	0.00	1.22	20.60	0.95	0.00	0.95
18.05	1.21	0.00	1.21	20.65	0.95	0.00	0.95
18.10	1.20	0.00	1.20	20.70	0.94	0.00	0.94
18.15	1.19	0.00	1.19	20.75	0.94	0.00	0.94

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	0.94	0.00	0.94	23.40	0.78	0.00	0.78
20.85	0.93	0.00	0.93	23.45	0.77	0.00	0.77
20.90	0.93	0.00	0.93	23.50	0.77	0.00	0.77
20.95	0.93	0.00	0.93	23.55	0.77	0.00	0.77
21.00	0.92	0.00	0.92	23.60	0.76	0.00	0.76
21.05	0.92	0.00	0.92	23.65	0.76	0.00	0.76
21.10	0.92	0.00	0.92	23.70	0.76	0.00	0.76
21.15	0.91	0.00	0.91	23.75	0.75	0.00	0.75
21.20	0.91	0.00	0.91	23.80	0.75	0.00	0.75
21.25	0.91	0.00	0.91	23.85	0.75	0.00	0.75
21.30	0.90	0.00	0.90	23.90	0.75	0.00	0.75
21.35	0.90	0.00	0.90	23.95	0.74	0.00	0.74
21.40	0.90	0.00	0.90	24.00	0.74	0.00	0.74
21.45	0.90	0.00	0.90	24.05	0.74	0.00	0.74
21.50	0.89	0.00	0.89	24.10	0.73	0.00	0.73
21.55	0.89	0.00	0.89	24.15	0.70	0.00	0.70
21.60	0.89	0.00	0.89	24.20	0.66	0.00	0.66
21.65	0.88	0.00	0.88	24.25	0.61	0.00	0.61
21.70	0.88	0.00	0.88	24.30	0.58	0.00	0.58
21.75	0.88	0.00	0.88	24.35	0.56	0.00	0.56
21.80	0.87	0.00	0.87	24.40	0.55	0.00	0.55
21.85	0.87	0.00	0.87	24.45	0.54	0.00	0.54
21.90	0.87	0.00	0.87	24.50	0.53	0.00	0.53
21.95	0.86	0.00	0.86	24.55	0.52	0.00	0.52
22.00	0.86	0.00	0.86	24.60	0.51	0.00	0.51
22.05	0.86	0.00	0.86	24.65	0.50	0.00	0.50
22.10	0.85	0.00	0.85	24.70	0.49	0.00	0.49
22.15	0.85	0.00	0.85	24.75	0.49	0.00	0.49
22.20	0.85	0.00	0.85	24.80	0.48	0.00	0.48
22.25	0.85	0.00	0.85	24.85	0.47	0.00	0.47
22.30	0.84	0.00	0.84	24.90	0.47	0.00	0.47
22.35	0.84	0.00	0.84	24.95	0.46	0.00	0.46
22.40	0.84	0.00	0.84	25.00	0.45	0.00	0.45
22.45	0.83	0.00	0.83	25.05	0.45	0.00	0.45
22.50	0.83	0.00	0.83	25.10	0.44	0.00	0.44
22.55	0.83	0.00	0.83	25.15	0.43	0.00	0.43
22.60	0.82	0.00	0.82	25.20	0.43	0.00	0.43
22.65	0.82	0.00	0.82	25.25	0.42	0.00	0.42
22.70	0.82	0.00	0.82	25.30	0.41	0.00	0.41
22.75	0.82	0.00	0.82	25.35	0.41	0.00	0.41
22.80	0.81	0.00	0.81	25.40	0.40	0.00	0.40
22.85	0.81	0.00	0.81	25.45	0.40	0.00	0.40
22.90	0.81	0.00	0.81	25.50	0.39	0.00	0.39
22.95	0.80	0.00	0.80	25.55	0.38	0.00	0.38
23.00	0.80	0.00	0.80	25.60	0.38	0.00	0.38
23.05	0.80	0.00	0.80	25.65	0.37	0.00	0.37
23.10	0.79	0.00	0.79	25.70	0.37	0.00	0.37
23.15	0.79	0.00	0.79	25.75	0.36	0.00	0.36
23.20	0.79	0.00	0.79	25.80	0.35	0.00	0.35
23.25	0.78	0.00	0.78	25.85	0.35	0.00	0.35
23.30	0.78	0.00	0.78	25.90	0.34	0.00	0.34
23.35	0.78	0.00	0.78	25.95	0.34	0.00	0.34

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.33	0.00	0.33	28.60	0.17	0.00	0.17
26.05	0.33	0.00	0.33	28.65	0.17	0.00	0.17
26.10	0.32	0.00	0.32	28.70	0.17	0.00	0.17
26.15	0.32	0.00	0.32	28.75	0.17	0.00	0.17
26.20	0.31	0.00	0.31	28.80	0.16	0.00	0.16
26.25	0.31	0.00	0.31	28.85	0.16	0.00	0.16
26.30	0.30	0.00	0.30	28.90	0.16	0.00	0.16
26.35	0.30	0.00	0.30	28.95	0.16	0.00	0.16
26.40	0.29	0.00	0.29	29.00	0.16	0.00	0.16
26.45	0.29	0.00	0.29	29.05	0.15	0.00	0.15
26.50	0.29	0.00	0.29	29.10	0.15	0.00	0.15
26.55	0.28	0.00	0.28	29.15	0.15	0.00	0.15
26.60	0.28	0.00	0.28	29.20	0.15	0.00	0.15
26.65	0.28	0.00	0.28	29.25	0.15	0.00	0.15
26.70	0.27	0.00	0.27	29.30	0.15	0.00	0.15
26.75	0.27	0.00	0.27	29.35	0.14	0.00	0.14
26.80	0.27	0.00	0.27	29.40	0.14	0.00	0.14
26.85	0.26	0.00	0.26	29.45	0.14	0.00	0.14
26.90	0.26	0.00	0.26	29.50	0.14	0.00	0.14
26.95	0.26	0.00	0.26	29.55	0.14	0.00	0.14
27.00	0.25	0.00	0.25	29.60	0.14	0.00	0.14
27.05	0.25	0.00	0.25	29.65	0.13	0.00	0.13
27.10	0.25	0.00	0.25	29.70	0.13	0.00	0.13
27.15	0.24	0.00	0.24	29.75	0.13	0.00	0.13
27.20	0.24	0.00	0.24	29.80	0.13	0.00	0.13
27.25	0.24	0.00	0.24	29.85	0.13	0.00	0.13
27.30	0.24	0.00	0.24	29.90	0.13	0.00	0.13
27.35	0.23	0.00	0.23	29.95	0.13	0.00	0.13
27.40	0.23	0.00	0.23	30.00	0.13	0.00	0.13
27.45	0.23	0.00	0.23	30.05	0.12	0.00	0.12
27.50	0.23	0.00	0.23	30.10	0.12	0.00	0.12
27.55	0.22	0.00	0.22	30.15	0.12	0.00	0.12
27.60	0.22	0.00	0.22	30.20	0.12	0.00	0.12
27.65	0.22	0.00	0.22	30.25	0.12	0.00	0.12
27.70	0.21	0.00	0.21	30.30	0.12	0.00	0.12
27.75	0.21	0.00	0.21	30.35	0.12	0.00	0.12
27.80	0.21	0.00	0.21	30.40	0.12	0.00	0.12
27.85	0.21	0.00	0.21	30.45	0.12	0.00	0.12
27.90	0.20	0.00	0.20	30.50	0.12	0.00	0.12
27.95	0.20	0.00	0.20	30.55	0.12	0.00	0.12
28.00	0.20	0.00	0.20	30.60	0.11	0.00	0.11
28.05	0.20	0.00	0.20	30.65	0.11	0.00	0.11
28.10	0.19	0.00	0.19	30.70	0.11	0.00	0.11
28.15	0.19	0.00	0.19	30.75	0.11	0.00	0.11
28.20	0.19	0.00	0.19	30.80	0.11	0.00	0.11
28.25	0.19	0.00	0.19	30.85	0.11	0.00	0.11
28.30	0.19	0.00	0.19	30.90	0.11	0.00	0.11
28.35	0.18	0.00	0.18	30.95	0.11	0.00	0.11
28.40	0.18	0.00	0.18	31.00	0.11	0.00	0.11
28.45	0.18	0.00	0.18	31.05	0.11	0.00	0.11
28.50	0.18	0.00	0.18	31.10	0.11	0.00	0.11
28.55	0.17	0.00	0.17	31.15	0.10	0.00	0.10

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.10	0.00	0.10	33.80	0.07	0.00	0.07
31.25	0.10	0.00	0.10	33.85	0.07	0.00	0.07
31.30	0.10	0.00	0.10	33.90	0.06	0.00	0.06
31.35	0.10	0.00	0.10	33.95	0.06	0.00	0.06
31.40	0.10	0.00	0.10	34.00	0.06	0.00	0.06
31.45	0.10	0.00	0.10	34.05	0.06	0.00	0.06
31.50	0.10	0.00	0.10	34.10	0.06	0.00	0.06
31.55	0.10	0.00	0.10	34.15	0.06	0.00	0.06
31.60	0.10	0.00	0.10	34.20	0.06	0.00	0.06
31.65	0.10	0.00	0.10	34.25	0.06	0.00	0.06
31.70	0.10	0.00	0.10	34.30	0.06	0.00	0.06
31.75	0.09	0.00	0.09	34.35	0.06	0.00	0.06
31.80	0.09	0.00	0.09	34.40	0.06	0.00	0.06
31.85	0.09	0.00	0.09	34.45	0.06	0.00	0.06
31.90	0.09	0.00	0.09	34.50	0.06	0.00	0.06
31.95	0.09	0.00	0.09	34.55	0.06	0.00	0.06
32.00	0.09	0.00	0.09	34.60	0.06	0.00	0.06
32.05	0.09	0.00	0.09	34.65	0.06	0.00	0.06
32.10	0.09	0.00	0.09	34.70	0.06	0.00	0.06
32.15	0.09	0.00	0.09	34.75	0.06	0.00	0.06
32.20	0.09	0.00	0.09	34.80	0.05	0.00	0.05
32.25	0.09	0.00	0.09	34.85	0.05	0.00	0.05
32.30	0.09	0.00	0.09	34.90	0.05	0.00	0.05
32.35	0.09	0.00	0.09	34.95	0.05	0.00	0.05
32.40	0.08	0.00	0.08	35.00	0.05	0.00	0.05
32.45	0.08	0.00	0.08	35.05	0.05	0.00	0.05
32.50	0.08	0.00	0.08	35.10	0.05	0.00	0.05
32.55	0.08	0.00	0.08	35.15	0.05	0.00	0.05
32.60	0.08	0.00	0.08	35.20	0.05	0.00	0.05
32.65	0.08	0.00	0.08	35.25	0.05	0.00	0.05
32.70	0.08	0.00	0.08	35.30	0.05	0.00	0.05
32.75	0.08	0.00	0.08	35.35	0.05	0.00	0.05
32.80	0.08	0.00	0.08	35.40	0.05	0.00	0.05
32.85	0.08	0.00	0.08	35.45	0.05	0.00	0.05
32.90	0.08	0.00	0.08	35.50	0.05	0.00	0.05
32.95	0.08	0.00	0.08	35.55	0.05	0.00	0.05
33.00	0.08	0.00	0.08	35.60	0.05	0.00	0.05
33.05	0.08	0.00	0.08	35.65	0.05	0.00	0.05
33.10	0.07	0.00	0.07	35.70	0.05	0.00	0.05
33.15	0.07	0.00	0.07	35.75	0.05	0.00	0.05
33.20	0.07	0.00	0.07	35.80	0.05	0.00	0.05
33.25	0.07	0.00	0.07	35.85	0.05	0.00	0.05
33.30	0.07	0.00	0.07	35.90	0.05	0.00	0.05
33.35	0.07	0.00	0.07	35.95	0.04	0.00	0.04
33.40	0.07	0.00	0.07	36.00	0.04	0.00	0.04
33.45	0.07	0.00	0.07	36.05	0.04	0.00	0.04
33.50	0.07	0.00	0.07	36.10	0.04	0.00	0.04
33.55	0.07	0.00	0.07	36.15	0.04	0.00	0.04
33.60	0.07	0.00	0.07	36.20	0.04	0.00	0.04
33.65	0.07	0.00	0.07	36.25	0.04	0.00	0.04
33.70	0.07	0.00	0.07	36.30	0.04	0.00	0.04
33.75	0.07	0.00	0.07	36.35	0.04	0.00	0.04

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.04	0.00	0.04
36.45	0.04	0.00	0.04
36.50	0.04	0.00	0.04
36.55	0.04	0.00	0.04
36.60	0.04	0.00	0.04
36.65	0.04	0.00	0.04
36.70	0.04	0.00	0.04
36.75	0.04	0.00	0.04
36.80	0.04	0.00	0.04
36.85	0.04	0.00	0.04
36.90	0.04	0.00	0.04
36.95	0.04	0.00	0.04
37.00	0.04	0.00	0.04
37.05	0.04	0.00	0.04
37.10	0.04	0.00	0.04
37.15	0.04	0.00	0.04
37.20	0.04	0.00	0.04
37.25	0.04	0.00	0.04
37.30	0.04	0.00	0.04
37.35	0.03	0.00	0.03
37.40	0.03	0.00	0.03
37.45	0.03	0.00	0.03
37.50	0.03	0.00	0.03
37.55	0.03	0.00	0.03
37.60	0.03	0.00	0.03
37.65	0.03	0.00	0.03
37.70	0.03	0.00	0.03
37.75	0.03	0.00	0.03
37.80	0.03	0.00	0.03
37.85	0.03	0.00	0.03
37.90	0.03	0.00	0.03
37.95	0.03	0.00	0.03
38.00	0.03	0.00	0.03
38.05	0.03	0.00	0.03
38.10	0.03	0.00	0.03
38.15	0.03	0.00	0.03
38.20	0.03	0.00	0.03
38.25	0.03	0.00	0.03
38.30	0.03	0.00	0.03
38.35	0.03	0.00	0.03
38.40	0.03	0.00	0.03
38.45	0.03	0.00	0.03
38.50	0.03	0.00	0.03
38.55	0.03	0.00	0.03
38.60	0.03	0.00	0.03
38.65	0.03	0.00	0.03
38.70	0.03	0.00	0.03
38.75	0.03	0.00	0.03
38.80	0.03	0.00	0.03
38.85	0.03	0.00	0.03
38.90	0.03	0.00	0.03
38.95	0.03	0.00	0.03
39.00	0.03	0.00	0.03
39.05	0.03	0.00	0.03
39.10	0.03	0.00	0.03
39.15	0.03	0.00	0.03
39.20	0.03	0.00	0.03
39.25	0.03	0.00	0.03
39.30	0.03	0.00	0.03
39.35	0.03	0.00	0.03
39.40	0.03	0.00	0.03
39.45	0.03	0.00	0.03
39.50	0.03	0.00	0.03
39.55	0.03	0.00	0.03
39.60	0.03	0.00	0.03
39.65	0.03	0.00	0.03
39.70	0.03	0.00	0.03
39.75	0.03	0.00	0.03
39.80	0.03	0.00	0.03
39.85	0.03	0.00	0.03
39.90	0.03	0.00	0.03
39.95	0.03	0.00	0.03
40.00	0.03	0.00	0.03

Summary for Subcatchment 3S: PDA-6 (offsite pervious)

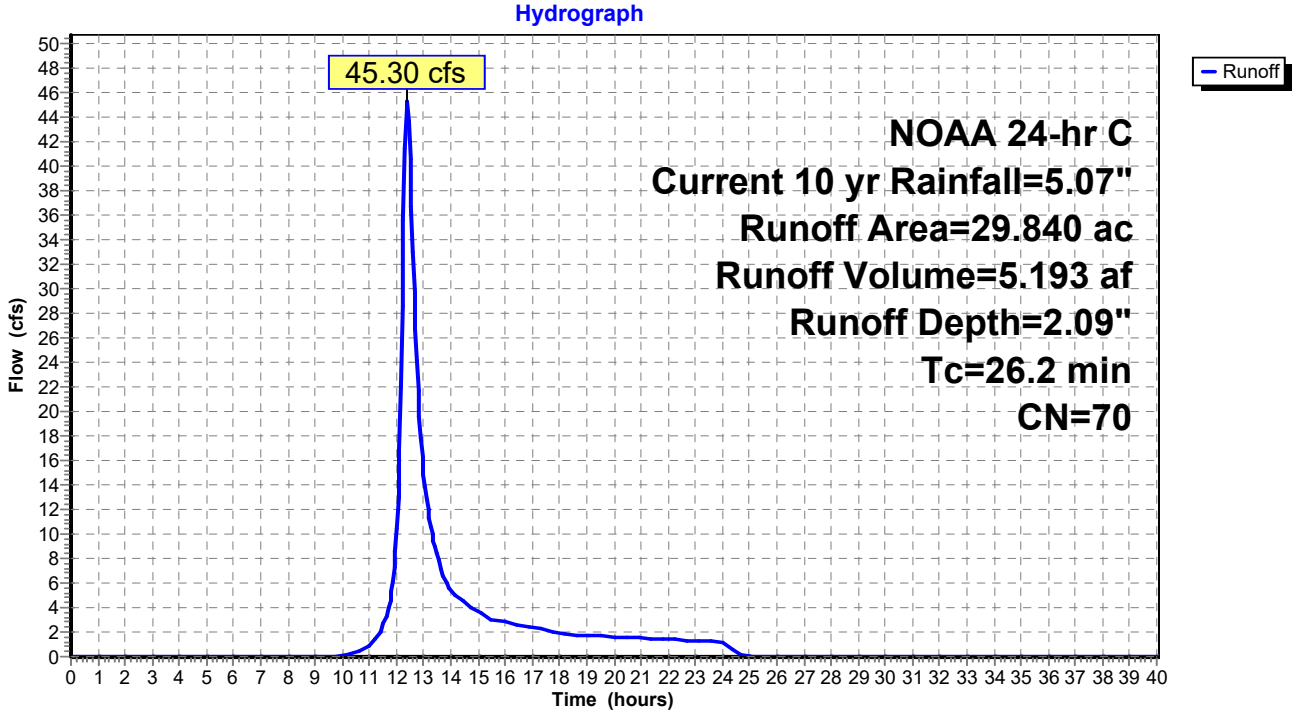
Runoff = 45.30 cfs @ 12.39 hrs, Volume= 5.193 af, Depth= 2.09"
Routed to Link PDA-6OF : Proposed Offsite Drainage Area #6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
13.160	71	Row crops, C&T, Good, HSG B
3.420	78	Row crops, C&T, Good, HSG C
4.100	55	Woods, Good, HSG B
6.460	70	Woods, Good, HSG C
2.700	77	Woods, Good, HSG D
29.840	70	Weighted Average
29.840		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
26.2					**Direct Entry,**

Subcatchment 3S: PDA-6 (offsite pervious)



Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.00
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.00
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.00
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.00
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.00
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.00
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.00
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.00
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.00
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.00
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.00
7.00	0.49	0.00	0.00	9.60	0.84	0.00	0.00
7.05	0.50	0.00	0.00	9.65	0.85	0.00	0.00
7.10	0.50	0.00	0.00	9.70	0.86	0.00	0.00
7.15	0.51	0.00	0.00	9.75	0.87	0.00	0.00
7.20	0.52	0.00	0.00	9.80	0.88	0.00	0.00
7.25	0.52	0.00	0.00	9.85	0.89	0.00	0.00
7.30	0.53	0.00	0.00	9.90	0.90	0.00	0.00
7.35	0.53	0.00	0.00	9.95	0.91	0.00	0.01
7.40	0.54	0.00	0.00	10.00	0.92	0.00	0.02
7.45	0.54	0.00	0.00	10.05	0.94	0.00	0.03
7.50	0.55	0.00	0.00	10.10	0.95	0.00	0.05
7.55	0.55	0.00	0.00	10.15	0.96	0.00	0.07
7.60	0.56	0.00	0.00	10.20	0.97	0.00	0.10
7.65	0.57	0.00	0.00	10.25	0.98	0.00	0.12
7.70	0.57	0.00	0.00	10.30	0.99	0.00	0.15
7.75	0.58	0.00	0.00	10.35	1.01	0.01	0.18

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.01	0.22	13.00	3.85	1.23	14.92
10.45	1.03	0.01	0.25	13.05	3.87	1.25	13.82
10.50	1.04	0.01	0.29	13.10	3.89	1.26	12.88
10.55	1.06	0.01	0.33	13.15	3.91	1.27	12.05
10.60	1.07	0.01	0.37	13.20	3.93	1.28	11.30
10.65	1.09	0.01	0.42	13.25	3.95	1.30	10.62
10.70	1.10	0.01	0.46	13.30	3.97	1.31	10.00
10.75	1.12	0.02	0.52	13.35	3.98	1.32	9.45
10.80	1.14	0.02	0.58	13.40	4.00	1.33	8.94
10.85	1.16	0.02	0.65	13.45	4.01	1.34	8.48
10.90	1.18	0.02	0.72	13.50	4.03	1.35	8.06
10.95	1.20	0.02	0.81	13.55	4.04	1.36	7.68
11.00	1.22	0.03	0.90	13.60	4.05	1.36	7.33
11.05	1.24	0.03	1.00	13.65	4.06	1.37	7.01
11.10	1.26	0.04	1.10	13.70	4.08	1.38	6.70
11.15	1.29	0.04	1.22	13.75	4.09	1.39	6.40
11.20	1.31	0.04	1.35	13.80	4.10	1.40	6.14
11.25	1.34	0.05	1.50	13.85	4.11	1.40	5.90
11.30	1.37	0.05	1.67	13.90	4.12	1.41	5.69
11.35	1.40	0.06	1.86	13.95	4.13	1.42	5.51
11.40	1.43	0.07	2.06	14.00	4.15	1.43	5.36
11.45	1.47	0.08	2.29	14.05	4.16	1.44	5.22
11.50	1.50	0.08	2.54	14.10	4.17	1.44	5.11
11.55	1.55	0.10	2.81	14.15	4.18	1.45	5.00
11.60	1.60	0.11	3.12	14.20	4.19	1.46	4.90
11.65	1.65	0.13	3.49	14.25	4.20	1.46	4.81
11.70	1.71	0.14	3.97	14.30	4.21	1.47	4.73
11.75	1.78	0.16	4.57	14.35	4.22	1.48	4.65
11.80	1.86	0.19	5.29	14.40	4.23	1.48	4.57
11.85	1.96	0.23	6.16	14.45	4.24	1.49	4.49
11.90	2.06	0.26	7.24	14.50	4.25	1.50	4.41
11.95	2.24	0.34	8.62	14.55	4.26	1.50	4.34
12.00	2.42	0.42	10.49	14.60	4.27	1.51	4.26
12.05	2.71	0.56	13.06	14.65	4.27	1.52	4.19
12.10	3.01	0.72	16.80	14.70	4.28	1.52	4.11
12.15	3.11	0.78	22.05	14.75	4.29	1.53	4.04
12.20	3.21	0.84	28.63	14.80	4.30	1.53	3.96
12.25	3.29	0.88	35.59	14.85	4.31	1.54	3.89
12.30	3.36	0.92	41.43	14.90	4.31	1.54	3.81
12.35	3.42	0.96	44.69	14.95	4.32	1.55	3.74
12.40	3.47	0.99	**45.24**	15.00	4.33	1.55	3.67
12.45	3.52	1.02	43.70	15.05	4.34	1.56	3.59
12.50	3.57	1.05	40.62	15.10	4.34	1.56	3.51
12.55	3.60	1.07	36.79	15.15	4.35	1.57	3.44
12.60	3.64	1.09	32.98	15.20	4.36	1.57	3.36
12.65	3.67	1.11	29.69	15.25	4.36	1.58	3.29
12.70	3.70	1.13	26.78	15.30	4.37	1.58	3.22
12.75	3.73	1.15	24.12	15.35	4.38	1.59	3.16
12.80	3.76	1.17	21.72	15.40	4.39	1.59	3.11
12.85	3.78	1.19	19.62	15.45	4.39	1.60	3.06
12.90	3.81	1.20	17.80	15.50	4.40	1.60	3.02
12.95	3.83	1.22	16.24	15.55	4.41	1.61	2.99

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	1.61	2.95	18.20	4.68	1.81	1.88
15.65	4.42	1.62	2.93	18.25	4.69	1.81	1.86
15.70	4.42	1.62	2.90	18.30	4.69	1.81	1.84
15.75	4.43	1.63	2.88	18.35	4.70	1.81	1.82
15.80	4.44	1.63	2.85	18.40	4.70	1.82	1.81
15.85	4.44	1.63	2.83	18.45	4.70	1.82	1.79
15.90	4.45	1.64	2.81	18.50	4.71	1.82	1.78
15.95	4.46	1.64	2.79	18.55	4.71	1.83	1.77
16.00	4.46	1.65	2.77	18.60	4.72	1.83	1.77
16.05	4.47	1.65	2.75	18.65	4.72	1.83	1.76
16.10	4.47	1.66	2.73	18.70	4.72	1.83	1.75
16.15	4.48	1.66	2.71	18.75	4.73	1.84	1.74
16.20	4.49	1.66	2.69	18.80	4.73	1.84	1.74
16.25	4.49	1.67	2.67	18.85	4.74	1.84	1.73
16.30	4.50	1.67	2.65	18.90	4.74	1.85	1.73
16.35	4.50	1.68	2.63	18.95	4.74	1.85	1.72
16.40	4.51	1.68	2.61	19.00	4.75	1.85	1.72
16.45	4.52	1.68	2.59	19.05	4.75	1.85	1.71
16.50	4.52	1.69	2.57	19.10	4.76	1.86	1.71
16.55	4.53	1.69	2.55	19.15	4.76	1.86	1.70
16.60	4.53	1.70	2.53	19.20	4.76	1.86	1.70
16.65	4.54	1.70	2.51	19.25	4.77	1.86	1.69
16.70	4.54	1.70	2.49	19.30	4.77	1.87	1.69
16.75	4.55	1.71	2.47	19.35	4.77	1.87	1.68
16.80	4.55	1.71	2.45	19.40	4.78	1.87	1.68
16.85	4.56	1.72	2.43	19.45	4.78	1.88	1.67
16.90	4.57	1.72	2.41	19.50	4.79	1.88	1.67
16.95	4.57	1.72	2.39	19.55	4.79	1.88	1.66
17.00	4.58	1.73	2.37	19.60	4.79	1.88	1.66
17.05	4.58	1.73	2.35	19.65	4.80	1.89	1.65
17.10	4.59	1.73	2.33	19.70	4.80	1.89	1.65
17.15	4.59	1.74	2.31	19.75	4.80	1.89	1.64
17.20	4.60	1.74	2.29	19.80	4.81	1.89	1.64
17.25	4.60	1.75	2.27	19.85	4.81	1.90	1.63
17.30	4.61	1.75	2.25	19.90	4.81	1.90	1.63
17.35	4.61	1.75	2.23	19.95	4.82	1.90	1.62
17.40	4.61	1.76	2.21	20.00	4.82	1.91	1.62
17.45	4.62	1.76	2.19	20.05	4.83	1.91	1.61
17.50	4.62	1.76	2.17	20.10	4.83	1.91	1.61
17.55	4.63	1.77	2.15	20.15	4.83	1.91	1.60
17.60	4.63	1.77	2.13	20.20	4.84	1.92	1.60
17.65	4.64	1.77	2.10	20.25	4.84	1.92	1.59
17.70	4.64	1.78	2.08	20.30	4.84	1.92	1.59
17.75	4.65	1.78	2.06	20.35	4.85	1.92	1.58
17.80	4.65	1.78	2.04	20.40	4.85	1.93	1.58
17.85	4.66	1.78	2.02	20.45	4.85	1.93	1.57
17.90	4.66	1.79	2.00	20.50	4.86	1.93	1.57
17.95	4.66	1.79	1.98	20.55	4.86	1.93	1.56
18.00	4.67	1.79	1.96	20.60	4.86	1.94	1.56
18.05	4.67	1.80	1.94	20.65	4.87	1.94	1.55
18.10	4.68	1.80	1.92	20.70	4.87	1.94	1.55
18.15	4.68	1.80	1.90	20.75	4.87	1.94	1.54

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	1.95	1.54	23.40	5.04	2.06	1.27
20.85	4.88	1.95	1.53	23.45	5.04	2.07	1.26
20.90	4.88	1.95	1.53	23.50	5.04	2.07	1.25
20.95	4.89	1.95	1.52	23.55	5.04	2.07	1.25
21.00	4.89	1.96	1.52	23.60	5.05	2.07	1.24
21.05	4.89	1.96	1.51	23.65	5.05	2.07	1.24
21.10	4.90	1.96	1.51	23.70	5.05	2.08	1.23
21.15	4.90	1.96	1.50	23.75	5.06	2.08	1.23
21.20	4.90	1.97	1.50	23.80	5.06	2.08	1.22
21.25	4.91	1.97	1.49	23.85	5.06	2.08	1.22
21.30	4.91	1.97	1.48	23.90	5.06	2.08	1.21
21.35	4.91	1.97	1.48	23.95	5.07	2.09	1.21
21.40	4.92	1.98	1.48	24.00	**5.07**	**2.09**	1.21
21.45	4.92	1.98	1.47	24.05	5.07	2.09	1.21
21.50	4.92	1.98	1.47	24.10	5.07	2.09	1.20
21.55	4.93	1.98	1.46	24.15	5.07	2.09	1.18
21.60	4.93	1.98	1.46	24.20	5.07	2.09	1.12
21.65	4.93	1.99	1.45	24.25	5.07	2.09	1.01
21.70	4.94	1.99	1.45	24.30	5.07	2.09	0.87
21.75	4.94	1.99	1.44	24.35	5.07	2.09	0.71
21.80	4.94	1.99	1.43	24.40	5.07	2.09	0.56
21.85	4.95	2.00	1.43	24.45	5.07	2.09	0.43
21.90	4.95	2.00	1.42	24.50	5.07	2.09	0.32
21.95	4.95	2.00	1.42	24.55	5.07	2.09	0.24
22.00	4.96	2.00	1.41	24.60	5.07	2.09	0.18
22.05	4.96	2.01	1.41	24.65	5.07	2.09	0.14
22.10	4.96	2.01	1.40	24.70	5.07	2.09	0.10
22.15	4.96	2.01	1.40	24.75	5.07	2.09	0.08
22.20	4.97	2.01	1.39	24.80	5.07	2.09	0.06
22.25	4.97	2.01	1.39	24.85	5.07	2.09	0.04
22.30	4.97	2.02	1.38	24.90	5.07	2.09	0.03
22.35	4.98	2.02	1.38	24.95	5.07	2.09	0.02
22.40	4.98	2.02	1.37	25.00	5.07	2.09	0.02
22.45	4.98	2.02	1.37	25.05	5.07	2.09	0.01
22.50	4.99	2.03	1.36	25.10	5.07	2.09	0.01
22.55	4.99	2.03	1.36	25.15	5.07	2.09	0.01
22.60	4.99	2.03	1.35	25.20	5.07	2.09	0.00
22.65	4.99	2.03	1.35	25.25	5.07	2.09	0.00
22.70	5.00	2.03	1.34	25.30	5.07	2.09	0.00
22.75	5.00	2.04	1.34	25.35	5.07	2.09	0.00
22.80	5.00	2.04	1.33	25.40	5.07	2.09	0.00
22.85	5.01	2.04	1.33	25.45	5.07	2.09	0.00
22.90	5.01	2.04	1.32	25.50	5.07	2.09	0.00
22.95	5.01	2.05	1.31	25.55	5.07	2.09	0.00
23.00	5.01	2.05	1.31	25.60	5.07	2.09	0.00
23.05	5.02	2.05	1.30	25.65	5.07	2.09	0.00
23.10	5.02	2.05	1.30	25.70	5.07	2.09	0.00
23.15	5.02	2.05	1.29	25.75	5.07	2.09	0.00
23.20	5.03	2.06	1.29	25.80	5.07	2.09	0.00
23.25	5.03	2.06	1.28	25.85	5.07	2.09	0.00
23.30	5.03	2.06	1.28	25.90	5.07	2.09	0.00
23.35	5.03	2.06	1.27	25.95	5.07	2.09	0.00

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	2.09	0.00	28.60	5.07	2.09	0.00
26.05	5.07	2.09	0.00	28.65	5.07	2.09	0.00
26.10	5.07	2.09	0.00	28.70	5.07	2.09	0.00
26.15	5.07	2.09	0.00	28.75	5.07	2.09	0.00
26.20	5.07	2.09	0.00	28.80	5.07	2.09	0.00
26.25	5.07	2.09	0.00	28.85	5.07	2.09	0.00
26.30	5.07	2.09	0.00	28.90	5.07	2.09	0.00
26.35	5.07	2.09	0.00	28.95	5.07	2.09	0.00
26.40	5.07	2.09	0.00	29.00	5.07	2.09	0.00
26.45	5.07	2.09	0.00	29.05	5.07	2.09	0.00
26.50	5.07	2.09	0.00	29.10	5.07	2.09	0.00
26.55	5.07	2.09	0.00	29.15	5.07	2.09	0.00
26.60	5.07	2.09	0.00	29.20	5.07	2.09	0.00
26.65	5.07	2.09	0.00	29.25	5.07	2.09	0.00
26.70	5.07	2.09	0.00	29.30	5.07	2.09	0.00
26.75	5.07	2.09	0.00	29.35	5.07	2.09	0.00
26.80	5.07	2.09	0.00	29.40	5.07	2.09	0.00
26.85	5.07	2.09	0.00	29.45	5.07	2.09	0.00
26.90	5.07	2.09	0.00	29.50	5.07	2.09	0.00
26.95	5.07	2.09	0.00	29.55	5.07	2.09	0.00
27.00	5.07	2.09	0.00	29.60	5.07	2.09	0.00
27.05	5.07	2.09	0.00	29.65	5.07	2.09	0.00
27.10	5.07	2.09	0.00	29.70	5.07	2.09	0.00
27.15	5.07	2.09	0.00	29.75	5.07	2.09	0.00
27.20	5.07	2.09	0.00	29.80	5.07	2.09	0.00
27.25	5.07	2.09	0.00	29.85	5.07	2.09	0.00
27.30	5.07	2.09	0.00	29.90	5.07	2.09	0.00
27.35	5.07	2.09	0.00	29.95	5.07	2.09	0.00
27.40	5.07	2.09	0.00	30.00	5.07	2.09	0.00
27.45	5.07	2.09	0.00	30.05	5.07	2.09	0.00
27.50	5.07	2.09	0.00	30.10	5.07	2.09	0.00
27.55	5.07	2.09	0.00	30.15	5.07	2.09	0.00
27.60	5.07	2.09	0.00	30.20	5.07	2.09	0.00
27.65	5.07	2.09	0.00	30.25	5.07	2.09	0.00
27.70	5.07	2.09	0.00	30.30	5.07	2.09	0.00
27.75	5.07	2.09	0.00	30.35	5.07	2.09	0.00
27.80	5.07	2.09	0.00	30.40	5.07	2.09	0.00
27.85	5.07	2.09	0.00	30.45	5.07	2.09	0.00
27.90	5.07	2.09	0.00	30.50	5.07	2.09	0.00
27.95	5.07	2.09	0.00	30.55	5.07	2.09	0.00
28.00	5.07	2.09	0.00	30.60	5.07	2.09	0.00
28.05	5.07	2.09	0.00	30.65	5.07	2.09	0.00
28.10	5.07	2.09	0.00	30.70	5.07	2.09	0.00
28.15	5.07	2.09	0.00	30.75	5.07	2.09	0.00
28.20	5.07	2.09	0.00	30.80	5.07	2.09	0.00
28.25	5.07	2.09	0.00	30.85	5.07	2.09	0.00
28.30	5.07	2.09	0.00	30.90	5.07	2.09	0.00
28.35	5.07	2.09	0.00	30.95	5.07	2.09	0.00
28.40	5.07	2.09	0.00	31.00	5.07	2.09	0.00
28.45	5.07	2.09	0.00	31.05	5.07	2.09	0.00
28.50	5.07	2.09	0.00	31.10	5.07	2.09	0.00
28.55	5.07	2.09	0.00	31.15	5.07	2.09	0.00

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	2.09	0.00	33.80	5.07	2.09	0.00
31.25	5.07	2.09	0.00	33.85	5.07	2.09	0.00
31.30	5.07	2.09	0.00	33.90	5.07	2.09	0.00
31.35	5.07	2.09	0.00	33.95	5.07	2.09	0.00
31.40	5.07	2.09	0.00	34.00	5.07	2.09	0.00
31.45	5.07	2.09	0.00	34.05	5.07	2.09	0.00
31.50	5.07	2.09	0.00	34.10	5.07	2.09	0.00
31.55	5.07	2.09	0.00	34.15	5.07	2.09	0.00
31.60	5.07	2.09	0.00	34.20	5.07	2.09	0.00
31.65	5.07	2.09	0.00	34.25	5.07	2.09	0.00
31.70	5.07	2.09	0.00	34.30	5.07	2.09	0.00
31.75	5.07	2.09	0.00	34.35	5.07	2.09	0.00
31.80	5.07	2.09	0.00	34.40	5.07	2.09	0.00
31.85	5.07	2.09	0.00	34.45	5.07	2.09	0.00
31.90	5.07	2.09	0.00	34.50	5.07	2.09	0.00
31.95	5.07	2.09	0.00	34.55	5.07	2.09	0.00
32.00	5.07	2.09	0.00	34.60	5.07	2.09	0.00
32.05	5.07	2.09	0.00	34.65	5.07	2.09	0.00
32.10	5.07	2.09	0.00	34.70	5.07	2.09	0.00
32.15	5.07	2.09	0.00	34.75	5.07	2.09	0.00
32.20	5.07	2.09	0.00	34.80	5.07	2.09	0.00
32.25	5.07	2.09	0.00	34.85	5.07	2.09	0.00
32.30	5.07	2.09	0.00	34.90	5.07	2.09	0.00
32.35	5.07	2.09	0.00	34.95	5.07	2.09	0.00
32.40	5.07	2.09	0.00	35.00	5.07	2.09	0.00
32.45	5.07	2.09	0.00	35.05	5.07	2.09	0.00
32.50	5.07	2.09	0.00	35.10	5.07	2.09	0.00
32.55	5.07	2.09	0.00	35.15	5.07	2.09	0.00
32.60	5.07	2.09	0.00	35.20	5.07	2.09	0.00
32.65	5.07	2.09	0.00	35.25	5.07	2.09	0.00
32.70	5.07	2.09	0.00	35.30	5.07	2.09	0.00
32.75	5.07	2.09	0.00	35.35	5.07	2.09	0.00
32.80	5.07	2.09	0.00	35.40	5.07	2.09	0.00
32.85	5.07	2.09	0.00	35.45	5.07	2.09	0.00
32.90	5.07	2.09	0.00	35.50	5.07	2.09	0.00
32.95	5.07	2.09	0.00	35.55	5.07	2.09	0.00
33.00	5.07	2.09	0.00	35.60	5.07	2.09	0.00
33.05	5.07	2.09	0.00	35.65	5.07	2.09	0.00
33.10	5.07	2.09	0.00	35.70	5.07	2.09	0.00
33.15	5.07	2.09	0.00	35.75	5.07	2.09	0.00
33.20	5.07	2.09	0.00	35.80	5.07	2.09	0.00
33.25	5.07	2.09	0.00	35.85	5.07	2.09	0.00
33.30	5.07	2.09	0.00	35.90	5.07	2.09	0.00
33.35	5.07	2.09	0.00	35.95	5.07	2.09	0.00
33.40	5.07	2.09	0.00	36.00	5.07	2.09	0.00
33.45	5.07	2.09	0.00	36.05	5.07	2.09	0.00
33.50	5.07	2.09	0.00	36.10	5.07	2.09	0.00
33.55	5.07	2.09	0.00	36.15	5.07	2.09	0.00
33.60	5.07	2.09	0.00	36.20	5.07	2.09	0.00
33.65	5.07	2.09	0.00	36.25	5.07	2.09	0.00
33.70	5.07	2.09	0.00	36.30	5.07	2.09	0.00
33.75	5.07	2.09	0.00	36.35	5.07	2.09	0.00

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	2.09	0.00
36.45	5.07	2.09	0.00
36.50	5.07	2.09	0.00
36.55	5.07	2.09	0.00
36.60	5.07	2.09	0.00
36.65	5.07	2.09	0.00
36.70	5.07	2.09	0.00
36.75	5.07	2.09	0.00
36.80	5.07	2.09	0.00
36.85	5.07	2.09	0.00
36.90	5.07	2.09	0.00
36.95	5.07	2.09	0.00
37.00	5.07	2.09	0.00
37.05	5.07	2.09	0.00
37.10	5.07	2.09	0.00
37.15	5.07	2.09	0.00
37.20	5.07	2.09	0.00
37.25	5.07	2.09	0.00
37.30	5.07	2.09	0.00
37.35	5.07	2.09	0.00
37.40	5.07	2.09	0.00
37.45	5.07	2.09	0.00
37.50	5.07	2.09	0.00
37.55	5.07	2.09	0.00
37.60	5.07	2.09	0.00
37.65	5.07	2.09	0.00
37.70	5.07	2.09	0.00
37.75	5.07	2.09	0.00
37.80	5.07	2.09	0.00
37.85	5.07	2.09	0.00
37.90	5.07	2.09	0.00
37.95	5.07	2.09	0.00
38.00	5.07	2.09	0.00
38.05	5.07	2.09	0.00
38.10	5.07	2.09	0.00
38.15	5.07	2.09	0.00
38.20	5.07	2.09	0.00
38.25	5.07	2.09	0.00
38.30	5.07	2.09	0.00
38.35	5.07	2.09	0.00
38.40	5.07	2.09	0.00
38.45	5.07	2.09	0.00
38.50	5.07	2.09	0.00
38.55	5.07	2.09	0.00
38.60	5.07	2.09	0.00
38.65	5.07	2.09	0.00
38.70	5.07	2.09	0.00
38.75	5.07	2.09	0.00
38.80	5.07	2.09	0.00
38.85	5.07	2.09	0.00
38.90	5.07	2.09	0.00
38.95	5.07	2.09	0.00
39.00	5.07	2.09	0.00
39.05	5.07	2.09	0.00
39.10	5.07	2.09	0.00
39.15	5.07	2.09	0.00
39.20	5.07	2.09	0.00
39.25	5.07	2.09	0.00
39.30	5.07	2.09	0.00
39.35	5.07	2.09	0.00
39.40	5.07	2.09	0.00
39.45	5.07	2.09	0.00
39.50	5.07	2.09	0.00
39.55	5.07	2.09	0.00
39.60	5.07	2.09	0.00
39.65	5.07	2.09	0.00
39.70	5.07	2.09	0.00
39.75	5.07	2.09	0.00
39.80	5.07	2.09	0.00
39.85	5.07	2.09	0.00
39.90	5.07	2.09	0.00
39.95	5.07	2.09	0.00
40.00	5.07	2.09	0.00

Summary for Subcatchment 4S: PDA-6 (offsite impervious)

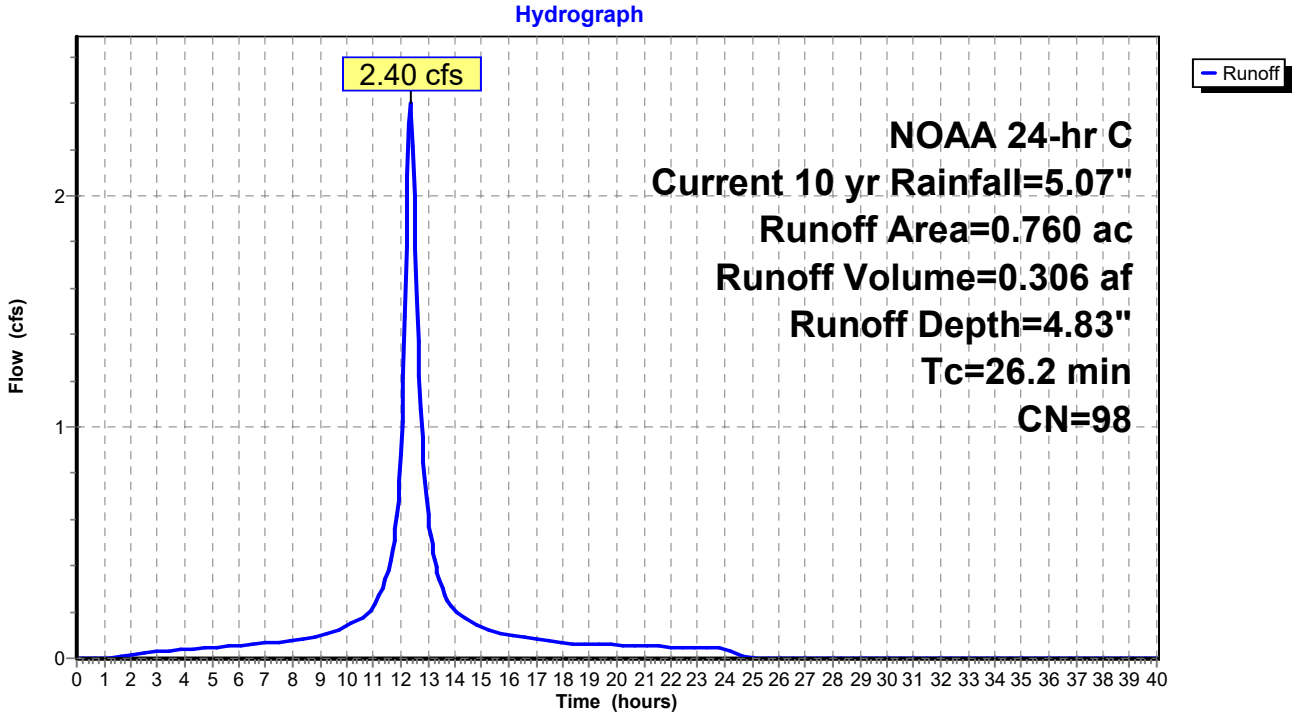
Runoff = 2.40 cfs @ 12.36 hrs, Volume= 0.306 af, Depth= 4.83"
Routed to Link PDA-6OF : Proposed Offsite Drainage Area #6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

	Area (ac)	CN	Description
*	0.760	98	
	0.760		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
26.2					**Direct Entry,**

Subcatchment 4S: PDA-6 (offsite impervious)



Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.04	0.02
0.05	0.00	0.00	0.00	2.65	0.16	0.04	0.02
0.10	0.01	0.00	0.00	2.70	0.16	0.04	0.03
0.15	0.01	0.00	0.00	2.75	0.16	0.05	0.03
0.20	0.01	0.00	0.00	2.80	0.17	0.05	0.03
0.25	0.01	0.00	0.00	2.85	0.17	0.05	0.03
0.30	0.02	0.00	0.00	2.90	0.17	0.05	0.03
0.35	0.02	0.00	0.00	2.95	0.18	0.05	0.03
0.40	0.02	0.00	0.00	3.00	0.18	0.06	0.03
0.45	0.03	0.00	0.00	3.05	0.18	0.06	0.03
0.50	0.03	0.00	0.00	3.10	0.19	0.06	0.03
0.55	0.03	0.00	0.00	3.15	0.19	0.06	0.03
0.60	0.03	0.00	0.00	3.20	0.19	0.06	0.03
0.65	0.04	0.00	0.00	3.25	0.20	0.07	0.03
0.70	0.04	0.00	0.00	3.30	0.20	0.07	0.03
0.75	0.04	0.00	0.00	3.35	0.20	0.07	0.03
0.80	0.04	0.00	0.00	3.40	0.21	0.07	0.03
0.85	0.05	0.00	0.00	3.45	0.21	0.08	0.03
0.90	0.05	0.00	0.00	3.50	0.21	0.08	0.03
0.95	0.05	0.00	0.00	3.55	0.22	0.08	0.03
1.00	0.06	0.00	0.00	3.60	0.22	0.08	0.03
1.05	0.06	0.00	0.00	3.65	0.22	0.09	0.04
1.10	0.06	0.00	0.00	3.70	0.23	0.09	0.04
1.15	0.06	0.00	0.00	3.75	0.23	0.09	0.04
1.20	0.07	0.00	0.00	3.80	0.23	0.09	0.04
1.25	0.07	0.00	0.00	3.85	0.24	0.10	0.04
1.30	0.07	0.00	0.00	3.90	0.24	0.10	0.04
1.35	0.08	0.01	0.00	3.95	0.24	0.10	0.04
1.40	0.08	0.01	0.01	4.00	0.25	0.10	0.04
1.45	0.08	0.01	0.01	4.05	0.25	0.11	0.04
1.50	0.08	0.01	0.01	4.10	0.26	0.11	0.04
1.55	0.09	0.01	0.01	4.15	0.26	0.11	0.04
1.60	0.09	0.01	0.01	4.20	0.26	0.12	0.04
1.65	0.09	0.01	0.01	4.25	0.27	0.12	0.04
1.70	0.10	0.01	0.01	4.30	0.27	0.12	0.04
1.75	0.10	0.01	0.01	4.35	0.27	0.12	0.04
1.80	0.10	0.01	0.01	4.40	0.28	0.13	0.04
1.85	0.11	0.02	0.01	4.45	0.28	0.13	0.04
1.90	0.11	0.02	0.01	4.50	0.28	0.13	0.04
1.95	0.11	0.02	0.02	4.55	0.29	0.14	0.04
2.00	0.11	0.02	0.02	4.60	0.29	0.14	0.04
2.05	0.12	0.02	0.02	4.65	0.30	0.14	0.04
2.10	0.12	0.02	0.02	4.70	0.30	0.14	0.04
2.15	0.12	0.02	0.02	4.75	0.30	0.15	0.04
2.20	0.13	0.03	0.02	4.80	0.31	0.15	0.04
2.25	0.13	0.03	0.02	4.85	0.31	0.15	0.04
2.30	0.13	0.03	0.02	4.90	0.31	0.16	0.05
2.35	0.14	0.03	0.02	4.95	0.32	0.16	0.05
2.40	0.14	0.03	0.02	5.00	0.32	0.16	0.05
2.45	0.14	0.03	0.02	5.05	0.33	0.17	0.05
2.50	0.15	0.04	0.02	5.10	0.33	0.17	0.05
2.55	0.15	0.04	0.02	5.15	0.33	0.17	0.05

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.18	0.05	7.80	0.58	0.39	0.08
5.25	0.34	0.18	0.05	7.85	0.59	0.40	0.08
5.30	0.35	0.18	0.05	7.90	0.60	0.41	0.08
5.35	0.35	0.19	0.05	7.95	0.60	0.41	0.08
5.40	0.35	0.19	0.05	8.00	0.61	0.42	0.08
5.45	0.36	0.19	0.05	8.05	0.61	0.42	0.08
5.50	0.36	0.20	0.05	8.10	0.62	0.43	0.08
5.55	0.37	0.20	0.05	8.15	0.63	0.43	0.08
5.60	0.37	0.20	0.05	8.20	0.63	0.44	0.08
5.65	0.37	0.21	0.05	8.25	0.64	0.45	0.09
5.70	0.38	0.21	0.05	8.30	0.65	0.45	0.09
5.75	0.38	0.21	0.05	8.35	0.65	0.46	0.09
5.80	0.39	0.22	0.05	8.40	0.66	0.46	0.09
5.85	0.39	0.22	0.05	8.45	0.66	0.47	0.09
5.90	0.39	0.22	0.05	8.50	0.67	0.48	0.09
5.95	0.40	0.23	0.05	8.55	0.68	0.48	0.09
6.00	0.40	0.23	0.05	8.60	0.68	0.49	0.09
6.05	0.41	0.23	0.05	8.65	0.69	0.50	0.09
6.10	0.41	0.24	0.05	8.70	0.70	0.50	0.09
6.15	0.41	0.24	0.05	8.75	0.71	0.51	0.09
6.20	0.42	0.25	0.05	8.80	0.71	0.51	0.09
6.25	0.42	0.25	0.05	8.85	0.72	0.52	0.09
6.30	0.43	0.25	0.05	8.90	0.73	0.53	0.10
6.35	0.43	0.26	0.05	8.95	0.73	0.53	0.10
6.40	0.44	0.26	0.06	9.00	0.74	0.54	0.10
6.45	0.44	0.27	0.06	9.05	0.75	0.55	0.10
6.50	0.45	0.27	0.06	9.10	0.76	0.56	0.10
6.55	0.45	0.27	0.06	9.15	0.76	0.56	0.10
6.60	0.46	0.28	0.06	9.20	0.77	0.57	0.10
6.65	0.46	0.28	0.06	9.25	0.78	0.58	0.10
6.70	0.46	0.29	0.06	9.30	0.79	0.59	0.10
6.75	0.47	0.29	0.06	9.35	0.80	0.59	0.11
6.80	0.47	0.29	0.06	9.40	0.80	0.60	0.11
6.85	0.48	0.30	0.06	9.45	0.81	0.61	0.11
6.90	0.48	0.30	0.06	9.50	0.82	0.62	0.11
6.95	0.49	0.31	0.06	9.55	0.83	0.63	0.12
7.00	0.49	0.31	0.06	9.60	0.84	0.64	0.12
7.05	0.50	0.32	0.07	9.65	0.85	0.65	0.12
7.10	0.50	0.32	0.07	9.70	0.86	0.66	0.12
7.15	0.51	0.33	0.07	9.75	0.87	0.67	0.13
7.20	0.52	0.33	0.07	9.80	0.88	0.68	0.13
7.25	0.52	0.34	0.07	9.85	0.89	0.69	0.13
7.30	0.53	0.34	0.07	9.90	0.90	0.70	0.13
7.35	0.53	0.35	0.07	9.95	0.91	0.71	0.14
7.40	0.54	0.35	0.07	10.00	0.92	0.72	0.14
7.45	0.54	0.36	0.07	10.05	0.94	0.73	0.14
7.50	0.55	0.36	0.07	10.10	0.95	0.74	0.15
7.55	0.55	0.37	0.07	10.15	0.96	0.75	0.15
7.60	0.56	0.37	0.07	10.20	0.97	0.76	0.15
7.65	0.57	0.38	0.08	10.25	0.98	0.77	0.16
7.70	0.57	0.38	0.08	10.30	0.99	0.79	0.16
7.75	0.58	0.39	0.08	10.35	1.01	0.80	0.16

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.81	0.16	13.00	3.85	3.62	0.62
10.45	1.03	0.82	0.17	13.05	3.87	3.64	0.57
10.50	1.04	0.83	0.17	13.10	3.89	3.66	0.53
10.55	1.06	0.85	0.17	13.15	3.91	3.68	0.49
10.60	1.07	0.86	0.18	13.20	3.93	3.70	0.46
10.65	1.09	0.88	0.18	13.25	3.95	3.71	0.43
10.70	1.10	0.89	0.18	13.30	3.97	3.73	0.40
10.75	1.12	0.91	0.19	13.35	3.98	3.75	0.37
10.80	1.14	0.93	0.19	13.40	4.00	3.76	0.35
10.85	1.16	0.94	0.20	13.45	4.01	3.78	0.33
10.90	1.18	0.96	0.21	13.50	4.03	3.79	0.31
10.95	1.20	0.98	0.22	13.55	4.04	3.80	0.30
11.00	1.22	1.00	0.23	13.60	4.05	3.82	0.28
11.05	1.24	1.02	0.24	13.65	4.06	3.83	0.27
11.10	1.26	1.05	0.25	13.70	4.08	3.84	0.26
11.15	1.29	1.07	0.26	13.75	4.09	3.85	0.25
11.20	1.31	1.10	0.27	13.80	4.10	3.86	0.23
11.25	1.34	1.12	0.28	13.85	4.11	3.88	0.22
11.30	1.37	1.15	0.30	13.90	4.12	3.89	0.22
11.35	1.40	1.18	0.31	13.95	4.13	3.90	0.21
11.40	1.43	1.21	0.33	14.00	4.15	3.91	0.20
11.45	1.47	1.25	0.35	14.05	4.16	3.92	0.20
11.50	1.50	1.28	0.37	14.10	4.17	3.93	0.19
11.55	1.55	1.33	0.39	14.15	4.18	3.94	0.19
11.60	1.60	1.38	0.41	14.20	4.19	3.95	0.18
11.65	1.65	1.43	0.43	14.25	4.20	3.96	0.18
11.70	1.71	1.49	0.47	14.30	4.21	3.97	0.18
11.75	1.78	1.56	0.51	14.35	4.22	3.98	0.17
11.80	1.86	1.63	0.56	14.40	4.23	3.99	0.17
11.85	1.96	1.73	0.62	14.45	4.24	4.00	0.17
11.90	2.06	1.84	0.69	14.50	4.25	4.01	0.16
11.95	2.24	2.01	0.77	14.55	4.26	4.02	0.16
12.00	2.42	2.19	0.88	14.60	4.27	4.03	0.16
12.05	2.71	2.48	1.02	14.65	4.27	4.04	0.16
12.10	3.01	2.78	1.22	14.70	4.28	4.05	0.15
12.15	3.11	2.88	1.48	14.75	4.29	4.06	0.15
12.20	3.21	2.98	1.79	14.80	4.30	4.06	0.15
12.25	3.29	3.05	2.09	14.85	4.31	4.07	0.14
12.30	3.36	3.13	2.31	14.90	4.31	4.08	0.14
12.35	3.42	3.18	**2.40**	14.95	4.32	4.09	0.14
12.40	3.47	3.24	2.36	15.00	4.33	4.09	0.14
12.45	3.52	3.29	2.21	15.05	4.34	4.10	0.13
12.50	3.57	3.34	2.01	15.10	4.34	4.11	0.13
12.55	3.60	3.37	1.78	15.15	4.35	4.12	0.13
12.60	3.64	3.40	1.56	15.20	4.36	4.12	0.12
12.65	3.67	3.43	1.38	15.25	4.36	4.13	0.12
12.70	3.70	3.47	1.22	15.30	4.37	4.14	0.12
12.75	3.73	3.49	1.08	15.35	4.38	4.14	0.12
12.80	3.76	3.52	0.96	15.40	4.39	4.15	0.11
12.85	3.78	3.55	0.85	15.45	4.39	4.16	0.11
12.90	3.81	3.57	0.76	15.50	4.40	4.16	0.11
12.95	3.83	3.60	0.69	15.55	4.41	4.17	0.11

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	4.18	0.11	18.20	4.68	4.45	0.07
15.65	4.42	4.18	0.11	18.25	4.69	4.45	0.07
15.70	4.42	4.19	0.11	18.30	4.69	4.46	0.06
15.75	4.43	4.20	0.10	18.35	4.70	4.46	0.06
15.80	4.44	4.20	0.10	18.40	4.70	4.46	0.06
15.85	4.44	4.21	0.10	18.45	4.70	4.47	0.06
15.90	4.45	4.21	0.10	18.50	4.71	4.47	0.06
15.95	4.46	4.22	0.10	18.55	4.71	4.48	0.06
16.00	4.46	4.23	0.10	18.60	4.72	4.48	0.06
16.05	4.47	4.23	0.10	18.65	4.72	4.48	0.06
16.10	4.47	4.24	0.10	18.70	4.72	4.49	0.06
16.15	4.48	4.24	0.10	18.75	4.73	4.49	0.06
16.20	4.49	4.25	0.10	18.80	4.73	4.50	0.06
16.25	4.49	4.26	0.10	18.85	4.74	4.50	0.06
16.30	4.50	4.26	0.10	18.90	4.74	4.50	0.06
16.35	4.50	4.27	0.09	18.95	4.74	4.51	0.06
16.40	4.51	4.27	0.09	19.00	4.75	4.51	0.06
16.45	4.52	4.28	0.09	19.05	4.75	4.51	0.06
16.50	4.52	4.29	0.09	19.10	4.76	4.52	0.06
16.55	4.53	4.29	0.09	19.15	4.76	4.52	0.06
16.60	4.53	4.30	0.09	19.20	4.76	4.53	0.06
16.65	4.54	4.30	0.09	19.25	4.77	4.53	0.06
16.70	4.54	4.31	0.09	19.30	4.77	4.53	0.06
16.75	4.55	4.31	0.09	19.35	4.77	4.54	0.06
16.80	4.55	4.32	0.09	19.40	4.78	4.54	0.06
16.85	4.56	4.32	0.09	19.45	4.78	4.55	0.06
16.90	4.57	4.33	0.09	19.50	4.79	4.55	0.06
16.95	4.57	4.33	0.09	19.55	4.79	4.55	0.06
17.00	4.58	4.34	0.08	19.60	4.79	4.56	0.06
17.05	4.58	4.34	0.08	19.65	4.80	4.56	0.06
17.10	4.59	4.35	0.08	19.70	4.80	4.56	0.06
17.15	4.59	4.35	0.08	19.75	4.80	4.57	0.06
17.20	4.60	4.36	0.08	19.80	4.81	4.57	0.06
17.25	4.60	4.36	0.08	19.85	4.81	4.57	0.06
17.30	4.61	4.37	0.08	19.90	4.81	4.58	0.06
17.35	4.61	4.37	0.08	19.95	4.82	4.58	0.06
17.40	4.61	4.38	0.08	20.00	4.82	4.59	0.06
17.45	4.62	4.38	0.08	20.05	4.83	4.59	0.06
17.50	4.62	4.39	0.08	20.10	4.83	4.59	0.06
17.55	4.63	4.39	0.08	20.15	4.83	4.60	0.06
17.60	4.63	4.40	0.08	20.20	4.84	4.60	0.06
17.65	4.64	4.40	0.07	20.25	4.84	4.60	0.06
17.70	4.64	4.41	0.07	20.30	4.84	4.61	0.06
17.75	4.65	4.41	0.07	20.35	4.85	4.61	0.06
17.80	4.65	4.42	0.07	20.40	4.85	4.61	0.05
17.85	4.66	4.42	0.07	20.45	4.85	4.62	0.05
17.90	4.66	4.42	0.07	20.50	4.86	4.62	0.05
17.95	4.66	4.43	0.07	20.55	4.86	4.62	0.05
18.00	4.67	4.43	0.07	20.60	4.86	4.63	0.05
18.05	4.67	4.44	0.07	20.65	4.87	4.63	0.05
18.10	4.68	4.44	0.07	20.70	4.87	4.63	0.05
18.15	4.68	4.44	0.07	20.75	4.87	4.64	0.05

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	4.64	0.05	23.40	5.04	4.80	0.04
20.85	4.88	4.64	0.05	23.45	5.04	4.80	0.04
20.90	4.88	4.65	0.05	23.50	5.04	4.81	0.04
20.95	4.89	4.65	0.05	23.55	5.04	4.81	0.04
21.00	4.89	4.65	0.05	23.60	5.05	4.81	0.04
21.05	4.89	4.66	0.05	23.65	5.05	4.81	0.04
21.10	4.90	4.66	0.05	23.70	5.05	4.82	0.04
21.15	4.90	4.66	0.05	23.75	5.06	4.82	0.04
21.20	4.90	4.67	0.05	23.80	5.06	4.82	0.04
21.25	4.91	4.67	0.05	23.85	5.06	4.82	0.04
21.30	4.91	4.67	0.05	23.90	5.06	4.83	0.04
21.35	4.91	4.68	0.05	23.95	5.07	4.83	0.04
21.40	4.92	4.68	0.05	24.00	**5.07**	**4.83**	0.04
21.45	4.92	4.68	0.05	24.05	5.07	4.83	0.04
21.50	4.92	4.69	0.05	24.10	5.07	4.83	0.04
21.55	4.93	4.69	0.05	24.15	5.07	4.83	0.04
21.60	4.93	4.69	0.05	24.20	5.07	4.83	0.04
21.65	4.93	4.70	0.05	24.25	5.07	4.83	0.03
21.70	4.94	4.70	0.05	24.30	5.07	4.83	0.03
21.75	4.94	4.70	0.05	24.35	5.07	4.83	0.02
21.80	4.94	4.71	0.05	24.40	5.07	4.83	0.02
21.85	4.95	4.71	0.05	24.45	5.07	4.83	0.01
21.90	4.95	4.71	0.05	24.50	5.07	4.83	0.01
21.95	4.95	4.72	0.05	24.55	5.07	4.83	0.01
22.00	4.96	4.72	0.05	24.60	5.07	4.83	0.01
22.05	4.96	4.72	0.05	24.65	5.07	4.83	0.00
22.10	4.96	4.72	0.05	24.70	5.07	4.83	0.00
22.15	4.96	4.73	0.05	24.75	5.07	4.83	0.00
22.20	4.97	4.73	0.05	24.80	5.07	4.83	0.00
22.25	4.97	4.73	0.05	24.85	5.07	4.83	0.00
22.30	4.97	4.74	0.05	24.90	5.07	4.83	0.00
22.35	4.98	4.74	0.05	24.95	5.07	4.83	0.00
22.40	4.98	4.74	0.05	25.00	5.07	4.83	0.00
22.45	4.98	4.75	0.05	25.05	5.07	4.83	0.00
22.50	4.99	4.75	0.05	25.10	5.07	4.83	0.00
22.55	4.99	4.75	0.05	25.15	5.07	4.83	0.00
22.60	4.99	4.75	0.05	25.20	5.07	4.83	0.00
22.65	4.99	4.76	0.05	25.25	5.07	4.83	0.00
22.70	5.00	4.76	0.05	25.30	5.07	4.83	0.00
22.75	5.00	4.76	0.05	25.35	5.07	4.83	0.00
22.80	5.00	4.77	0.05	25.40	5.07	4.83	0.00
22.85	5.01	4.77	0.05	25.45	5.07	4.83	0.00
22.90	5.01	4.77	0.05	25.50	5.07	4.83	0.00
22.95	5.01	4.77	0.05	25.55	5.07	4.83	0.00
23.00	5.01	4.78	0.04	25.60	5.07	4.83	0.00
23.05	5.02	4.78	0.04	25.65	5.07	4.83	0.00
23.10	5.02	4.78	0.04	25.70	5.07	4.83	0.00
23.15	5.02	4.79	0.04	25.75	5.07	4.83	0.00
23.20	5.03	4.79	0.04	25.80	5.07	4.83	0.00
23.25	5.03	4.79	0.04	25.85	5.07	4.83	0.00
23.30	5.03	4.79	0.04	25.90	5.07	4.83	0.00
23.35	5.03	4.80	0.04	25.95	5.07	4.83	0.00

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	4.83	0.00	28.60	5.07	4.83	0.00
26.05	5.07	4.83	0.00	28.65	5.07	4.83	0.00
26.10	5.07	4.83	0.00	28.70	5.07	4.83	0.00
26.15	5.07	4.83	0.00	28.75	5.07	4.83	0.00
26.20	5.07	4.83	0.00	28.80	5.07	4.83	0.00
26.25	5.07	4.83	0.00	28.85	5.07	4.83	0.00
26.30	5.07	4.83	0.00	28.90	5.07	4.83	0.00
26.35	5.07	4.83	0.00	28.95	5.07	4.83	0.00
26.40	5.07	4.83	0.00	29.00	5.07	4.83	0.00
26.45	5.07	4.83	0.00	29.05	5.07	4.83	0.00
26.50	5.07	4.83	0.00	29.10	5.07	4.83	0.00
26.55	5.07	4.83	0.00	29.15	5.07	4.83	0.00
26.60	5.07	4.83	0.00	29.20	5.07	4.83	0.00
26.65	5.07	4.83	0.00	29.25	5.07	4.83	0.00
26.70	5.07	4.83	0.00	29.30	5.07	4.83	0.00
26.75	5.07	4.83	0.00	29.35	5.07	4.83	0.00
26.80	5.07	4.83	0.00	29.40	5.07	4.83	0.00
26.85	5.07	4.83	0.00	29.45	5.07	4.83	0.00
26.90	5.07	4.83	0.00	29.50	5.07	4.83	0.00
26.95	5.07	4.83	0.00	29.55	5.07	4.83	0.00
27.00	5.07	4.83	0.00	29.60	5.07	4.83	0.00
27.05	5.07	4.83	0.00	29.65	5.07	4.83	0.00
27.10	5.07	4.83	0.00	29.70	5.07	4.83	0.00
27.15	5.07	4.83	0.00	29.75	5.07	4.83	0.00
27.20	5.07	4.83	0.00	29.80	5.07	4.83	0.00
27.25	5.07	4.83	0.00	29.85	5.07	4.83	0.00
27.30	5.07	4.83	0.00	29.90	5.07	4.83	0.00
27.35	5.07	4.83	0.00	29.95	5.07	4.83	0.00
27.40	5.07	4.83	0.00	30.00	5.07	4.83	0.00
27.45	5.07	4.83	0.00	30.05	5.07	4.83	0.00
27.50	5.07	4.83	0.00	30.10	5.07	4.83	0.00
27.55	5.07	4.83	0.00	30.15	5.07	4.83	0.00
27.60	5.07	4.83	0.00	30.20	5.07	4.83	0.00
27.65	5.07	4.83	0.00	30.25	5.07	4.83	0.00
27.70	5.07	4.83	0.00	30.30	5.07	4.83	0.00
27.75	5.07	4.83	0.00	30.35	5.07	4.83	0.00
27.80	5.07	4.83	0.00	30.40	5.07	4.83	0.00
27.85	5.07	4.83	0.00	30.45	5.07	4.83	0.00
27.90	5.07	4.83	0.00	30.50	5.07	4.83	0.00
27.95	5.07	4.83	0.00	30.55	5.07	4.83	0.00
28.00	5.07	4.83	0.00	30.60	5.07	4.83	0.00
28.05	5.07	4.83	0.00	30.65	5.07	4.83	0.00
28.10	5.07	4.83	0.00	30.70	5.07	4.83	0.00
28.15	5.07	4.83	0.00	30.75	5.07	4.83	0.00
28.20	5.07	4.83	0.00	30.80	5.07	4.83	0.00
28.25	5.07	4.83	0.00	30.85	5.07	4.83	0.00
28.30	5.07	4.83	0.00	30.90	5.07	4.83	0.00
28.35	5.07	4.83	0.00	30.95	5.07	4.83	0.00
28.40	5.07	4.83	0.00	31.00	5.07	4.83	0.00
28.45	5.07	4.83	0.00	31.05	5.07	4.83	0.00
28.50	5.07	4.83	0.00	31.10	5.07	4.83	0.00
28.55	5.07	4.83	0.00	31.15	5.07	4.83	0.00

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	4.83	0.00	33.80	5.07	4.83	0.00
31.25	5.07	4.83	0.00	33.85	5.07	4.83	0.00
31.30	5.07	4.83	0.00	33.90	5.07	4.83	0.00
31.35	5.07	4.83	0.00	33.95	5.07	4.83	0.00
31.40	5.07	4.83	0.00	34.00	5.07	4.83	0.00
31.45	5.07	4.83	0.00	34.05	5.07	4.83	0.00
31.50	5.07	4.83	0.00	34.10	5.07	4.83	0.00
31.55	5.07	4.83	0.00	34.15	5.07	4.83	0.00
31.60	5.07	4.83	0.00	34.20	5.07	4.83	0.00
31.65	5.07	4.83	0.00	34.25	5.07	4.83	0.00
31.70	5.07	4.83	0.00	34.30	5.07	4.83	0.00
31.75	5.07	4.83	0.00	34.35	5.07	4.83	0.00
31.80	5.07	4.83	0.00	34.40	5.07	4.83	0.00
31.85	5.07	4.83	0.00	34.45	5.07	4.83	0.00
31.90	5.07	4.83	0.00	34.50	5.07	4.83	0.00
31.95	5.07	4.83	0.00	34.55	5.07	4.83	0.00
32.00	5.07	4.83	0.00	34.60	5.07	4.83	0.00
32.05	5.07	4.83	0.00	34.65	5.07	4.83	0.00
32.10	5.07	4.83	0.00	34.70	5.07	4.83	0.00
32.15	5.07	4.83	0.00	34.75	5.07	4.83	0.00
32.20	5.07	4.83	0.00	34.80	5.07	4.83	0.00
32.25	5.07	4.83	0.00	34.85	5.07	4.83	0.00
32.30	5.07	4.83	0.00	34.90	5.07	4.83	0.00
32.35	5.07	4.83	0.00	34.95	5.07	4.83	0.00
32.40	5.07	4.83	0.00	35.00	5.07	4.83	0.00
32.45	5.07	4.83	0.00	35.05	5.07	4.83	0.00
32.50	5.07	4.83	0.00	35.10	5.07	4.83	0.00
32.55	5.07	4.83	0.00	35.15	5.07	4.83	0.00
32.60	5.07	4.83	0.00	35.20	5.07	4.83	0.00
32.65	5.07	4.83	0.00	35.25	5.07	4.83	0.00
32.70	5.07	4.83	0.00	35.30	5.07	4.83	0.00
32.75	5.07	4.83	0.00	35.35	5.07	4.83	0.00
32.80	5.07	4.83	0.00	35.40	5.07	4.83	0.00
32.85	5.07	4.83	0.00	35.45	5.07	4.83	0.00
32.90	5.07	4.83	0.00	35.50	5.07	4.83	0.00
32.95	5.07	4.83	0.00	35.55	5.07	4.83	0.00
33.00	5.07	4.83	0.00	35.60	5.07	4.83	0.00
33.05	5.07	4.83	0.00	35.65	5.07	4.83	0.00
33.10	5.07	4.83	0.00	35.70	5.07	4.83	0.00
33.15	5.07	4.83	0.00	35.75	5.07	4.83	0.00
33.20	5.07	4.83	0.00	35.80	5.07	4.83	0.00
33.25	5.07	4.83	0.00	35.85	5.07	4.83	0.00
33.30	5.07	4.83	0.00	35.90	5.07	4.83	0.00
33.35	5.07	4.83	0.00	35.95	5.07	4.83	0.00
33.40	5.07	4.83	0.00	36.00	5.07	4.83	0.00
33.45	5.07	4.83	0.00	36.05	5.07	4.83	0.00
33.50	5.07	4.83	0.00	36.10	5.07	4.83	0.00
33.55	5.07	4.83	0.00	36.15	5.07	4.83	0.00
33.60	5.07	4.83	0.00	36.20	5.07	4.83	0.00
33.65	5.07	4.83	0.00	36.25	5.07	4.83	0.00
33.70	5.07	4.83	0.00	36.30	5.07	4.83	0.00
33.75	5.07	4.83	0.00	36.35	5.07	4.83	0.00

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	4.83	0.00
36.45	5.07	4.83	0.00
36.50	5.07	4.83	0.00
36.55	5.07	4.83	0.00
36.60	5.07	4.83	0.00
36.65	5.07	4.83	0.00
36.70	5.07	4.83	0.00
36.75	5.07	4.83	0.00
36.80	5.07	4.83	0.00
36.85	5.07	4.83	0.00
36.90	5.07	4.83	0.00
36.95	5.07	4.83	0.00
37.00	5.07	4.83	0.00
37.05	5.07	4.83	0.00
37.10	5.07	4.83	0.00
37.15	5.07	4.83	0.00
37.20	5.07	4.83	0.00
37.25	5.07	4.83	0.00
37.30	5.07	4.83	0.00
37.35	5.07	4.83	0.00
37.40	5.07	4.83	0.00
37.45	5.07	4.83	0.00
37.50	5.07	4.83	0.00
37.55	5.07	4.83	0.00
37.60	5.07	4.83	0.00
37.65	5.07	4.83	0.00
37.70	5.07	4.83	0.00
37.75	5.07	4.83	0.00
37.80	5.07	4.83	0.00
37.85	5.07	4.83	0.00
37.90	5.07	4.83	0.00
37.95	5.07	4.83	0.00
38.00	5.07	4.83	0.00
38.05	5.07	4.83	0.00
38.10	5.07	4.83	0.00
38.15	5.07	4.83	0.00
38.20	5.07	4.83	0.00
38.25	5.07	4.83	0.00
38.30	5.07	4.83	0.00
38.35	5.07	4.83	0.00
38.40	5.07	4.83	0.00
38.45	5.07	4.83	0.00
38.50	5.07	4.83	0.00
38.55	5.07	4.83	0.00
38.60	5.07	4.83	0.00
38.65	5.07	4.83	0.00
38.70	5.07	4.83	0.00
38.75	5.07	4.83	0.00
38.80	5.07	4.83	0.00
38.85	5.07	4.83	0.00
38.90	5.07	4.83	0.00
38.95	5.07	4.83	0.00
39.00	5.07	4.83	0.00
39.05	5.07	4.83	0.00
39.10	5.07	4.83	0.00
39.15	5.07	4.83	0.00
39.20	5.07	4.83	0.00
39.25	5.07	4.83	0.00
39.30	5.07	4.83	0.00
39.35	5.07	4.83	0.00
39.40	5.07	4.83	0.00
39.45	5.07	4.83	0.00
39.50	5.07	4.83	0.00
39.55	5.07	4.83	0.00
39.60	5.07	4.83	0.00
39.65	5.07	4.83	0.00
39.70	5.07	4.83	0.00
39.75	5.07	4.83	0.00
39.80	5.07	4.83	0.00
39.85	5.07	4.83	0.00
39.90	5.07	4.83	0.00
39.95	5.07	4.83	0.00
40.00	5.07	4.83	0.00

Summary for Subcatchment 51I: PDA-51 (impervious)

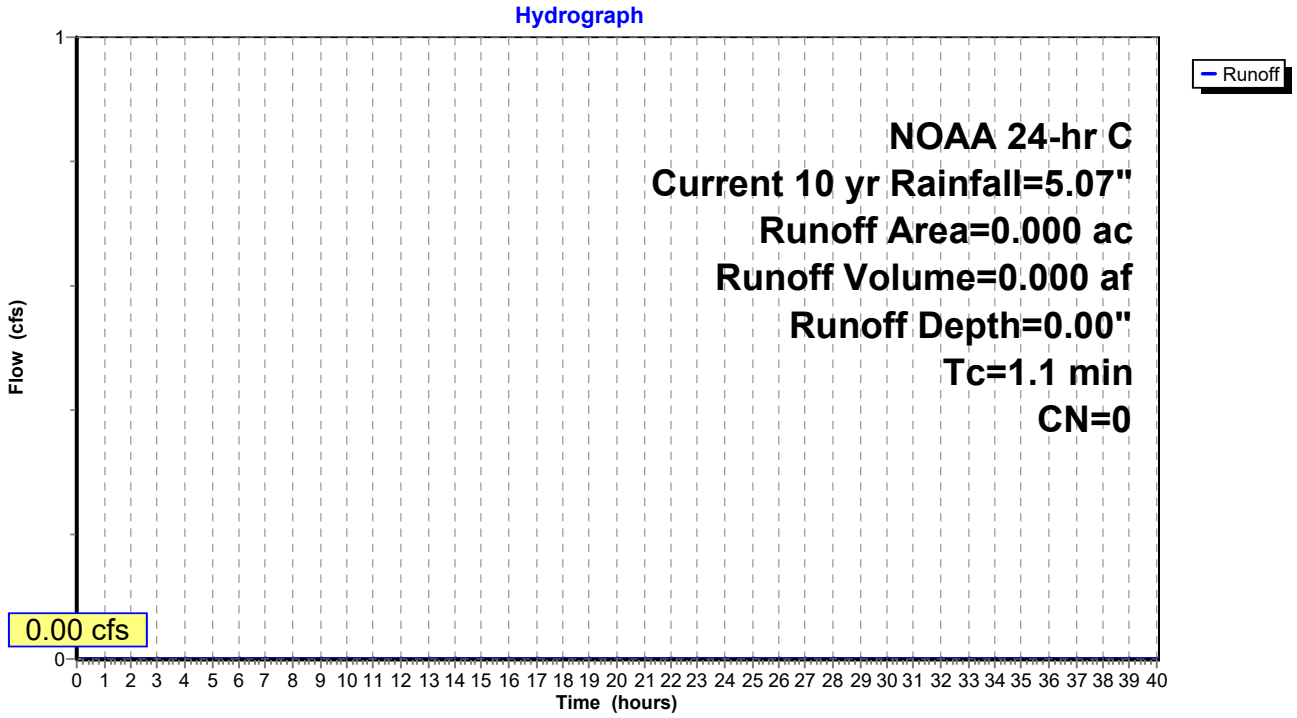
Runoff = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Depth= 0.00"
Routed to Pond B-51 : Basin #51

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

	Area (ac)	CN	Description
*	0.000	98	Roof, HSG C

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.1					**Direct Entry,**

Subcatchment 51I: PDA-51 (impervious)



Hydrograph for Subcatchment 51I: PDA-51 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	**0.00**	**0.00**	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.00
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.00
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.00
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.00
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.00
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.00
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.00
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.00
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.00
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.00
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.00
7.00	0.49	0.00	0.00	9.60	0.84	0.00	0.00
7.05	0.50	0.00	0.00	9.65	0.85	0.00	0.00
7.10	0.50	0.00	0.00	9.70	0.86	0.00	0.00
7.15	0.51	0.00	0.00	9.75	0.87	0.00	0.00
7.20	0.52	0.00	0.00	9.80	0.88	0.00	0.00
7.25	0.52	0.00	0.00	9.85	0.89	0.00	0.00
7.30	0.53	0.00	0.00	9.90	0.90	0.00	0.00
7.35	0.53	0.00	0.00	9.95	0.91	0.00	0.00
7.40	0.54	0.00	0.00	10.00	0.92	0.00	0.00
7.45	0.54	0.00	0.00	10.05	0.94	0.00	0.00
7.50	0.55	0.00	0.00	10.10	0.95	0.00	0.00
7.55	0.55	0.00	0.00	10.15	0.96	0.00	0.00
7.60	0.56	0.00	0.00	10.20	0.97	0.00	0.00
7.65	0.57	0.00	0.00	10.25	0.98	0.00	0.00
7.70	0.57	0.00	0.00	10.30	0.99	0.00	0.00
7.75	0.58	0.00	0.00	10.35	1.01	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.00	0.00	13.00	3.85	0.00	0.00
10.45	1.03	0.00	0.00	13.05	3.87	0.00	0.00
10.50	1.04	0.00	0.00	13.10	3.89	0.00	0.00
10.55	1.06	0.00	0.00	13.15	3.91	0.00	0.00
10.60	1.07	0.00	0.00	13.20	3.93	0.00	0.00
10.65	1.09	0.00	0.00	13.25	3.95	0.00	0.00
10.70	1.10	0.00	0.00	13.30	3.97	0.00	0.00
10.75	1.12	0.00	0.00	13.35	3.98	0.00	0.00
10.80	1.14	0.00	0.00	13.40	4.00	0.00	0.00
10.85	1.16	0.00	0.00	13.45	4.01	0.00	0.00
10.90	1.18	0.00	0.00	13.50	4.03	0.00	0.00
10.95	1.20	0.00	0.00	13.55	4.04	0.00	0.00
11.00	1.22	0.00	0.00	13.60	4.05	0.00	0.00
11.05	1.24	0.00	0.00	13.65	4.06	0.00	0.00
11.10	1.26	0.00	0.00	13.70	4.08	0.00	0.00
11.15	1.29	0.00	0.00	13.75	4.09	0.00	0.00
11.20	1.31	0.00	0.00	13.80	4.10	0.00	0.00
11.25	1.34	0.00	0.00	13.85	4.11	0.00	0.00
11.30	1.37	0.00	0.00	13.90	4.12	0.00	0.00
11.35	1.40	0.00	0.00	13.95	4.13	0.00	0.00
11.40	1.43	0.00	0.00	14.00	4.15	0.00	0.00
11.45	1.47	0.00	0.00	14.05	4.16	0.00	0.00
11.50	1.50	0.00	0.00	14.10	4.17	0.00	0.00
11.55	1.55	0.00	0.00	14.15	4.18	0.00	0.00
11.60	1.60	0.00	0.00	14.20	4.19	0.00	0.00
11.65	1.65	0.00	0.00	14.25	4.20	0.00	0.00
11.70	1.71	0.00	0.00	14.30	4.21	0.00	0.00
11.75	1.78	0.00	0.00	14.35	4.22	0.00	0.00
11.80	1.86	0.00	0.00	14.40	4.23	0.00	0.00
11.85	1.96	0.00	0.00	14.45	4.24	0.00	0.00
11.90	2.06	0.00	0.00	14.50	4.25	0.00	0.00
11.95	2.24	0.00	0.00	14.55	4.26	0.00	0.00
12.00	2.42	0.00	0.00	14.60	4.27	0.00	0.00
12.05	2.71	0.00	0.00	14.65	4.27	0.00	0.00
12.10	3.01	0.00	0.00	14.70	4.28	0.00	0.00
12.15	3.11	0.00	0.00	14.75	4.29	0.00	0.00
12.20	3.21	0.00	0.00	14.80	4.30	0.00	0.00
12.25	3.29	0.00	0.00	14.85	4.31	0.00	0.00
12.30	3.36	0.00	0.00	14.90	4.31	0.00	0.00
12.35	3.42	0.00	0.00	14.95	4.32	0.00	0.00
12.40	3.47	0.00	0.00	15.00	4.33	0.00	0.00
12.45	3.52	0.00	0.00	15.05	4.34	0.00	0.00
12.50	3.57	0.00	0.00	15.10	4.34	0.00	0.00
12.55	3.60	0.00	0.00	15.15	4.35	0.00	0.00
12.60	3.64	0.00	0.00	15.20	4.36	0.00	0.00
12.65	3.67	0.00	0.00	15.25	4.36	0.00	0.00
12.70	3.70	0.00	0.00	15.30	4.37	0.00	0.00
12.75	3.73	0.00	0.00	15.35	4.38	0.00	0.00
12.80	3.76	0.00	0.00	15.40	4.39	0.00	0.00
12.85	3.78	0.00	0.00	15.45	4.39	0.00	0.00
12.90	3.81	0.00	0.00	15.50	4.40	0.00	0.00
12.95	3.83	0.00	0.00	15.55	4.41	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	0.00	0.00	18.20	4.68	0.00	0.00
15.65	4.42	0.00	0.00	18.25	4.69	0.00	0.00
15.70	4.42	0.00	0.00	18.30	4.69	0.00	0.00
15.75	4.43	0.00	0.00	18.35	4.70	0.00	0.00
15.80	4.44	0.00	0.00	18.40	4.70	0.00	0.00
15.85	4.44	0.00	0.00	18.45	4.70	0.00	0.00
15.90	4.45	0.00	0.00	18.50	4.71	0.00	0.00
15.95	4.46	0.00	0.00	18.55	4.71	0.00	0.00
16.00	4.46	0.00	0.00	18.60	4.72	0.00	0.00
16.05	4.47	0.00	0.00	18.65	4.72	0.00	0.00
16.10	4.47	0.00	0.00	18.70	4.72	0.00	0.00
16.15	4.48	0.00	0.00	18.75	4.73	0.00	0.00
16.20	4.49	0.00	0.00	18.80	4.73	0.00	0.00
16.25	4.49	0.00	0.00	18.85	4.74	0.00	0.00
16.30	4.50	0.00	0.00	18.90	4.74	0.00	0.00
16.35	4.50	0.00	0.00	18.95	4.74	0.00	0.00
16.40	4.51	0.00	0.00	19.00	4.75	0.00	0.00
16.45	4.52	0.00	0.00	19.05	4.75	0.00	0.00
16.50	4.52	0.00	0.00	19.10	4.76	0.00	0.00
16.55	4.53	0.00	0.00	19.15	4.76	0.00	0.00
16.60	4.53	0.00	0.00	19.20	4.76	0.00	0.00
16.65	4.54	0.00	0.00	19.25	4.77	0.00	0.00
16.70	4.54	0.00	0.00	19.30	4.77	0.00	0.00
16.75	4.55	0.00	0.00	19.35	4.77	0.00	0.00
16.80	4.55	0.00	0.00	19.40	4.78	0.00	0.00
16.85	4.56	0.00	0.00	19.45	4.78	0.00	0.00
16.90	4.57	0.00	0.00	19.50	4.79	0.00	0.00
16.95	4.57	0.00	0.00	19.55	4.79	0.00	0.00
17.00	4.58	0.00	0.00	19.60	4.79	0.00	0.00
17.05	4.58	0.00	0.00	19.65	4.80	0.00	0.00
17.10	4.59	0.00	0.00	19.70	4.80	0.00	0.00
17.15	4.59	0.00	0.00	19.75	4.80	0.00	0.00
17.20	4.60	0.00	0.00	19.80	4.81	0.00	0.00
17.25	4.60	0.00	0.00	19.85	4.81	0.00	0.00
17.30	4.61	0.00	0.00	19.90	4.81	0.00	0.00
17.35	4.61	0.00	0.00	19.95	4.82	0.00	0.00
17.40	4.61	0.00	0.00	20.00	4.82	0.00	0.00
17.45	4.62	0.00	0.00	20.05	4.83	0.00	0.00
17.50	4.62	0.00	0.00	20.10	4.83	0.00	0.00
17.55	4.63	0.00	0.00	20.15	4.83	0.00	0.00
17.60	4.63	0.00	0.00	20.20	4.84	0.00	0.00
17.65	4.64	0.00	0.00	20.25	4.84	0.00	0.00
17.70	4.64	0.00	0.00	20.30	4.84	0.00	0.00
17.75	4.65	0.00	0.00	20.35	4.85	0.00	0.00
17.80	4.65	0.00	0.00	20.40	4.85	0.00	0.00
17.85	4.66	0.00	0.00	20.45	4.85	0.00	0.00
17.90	4.66	0.00	0.00	20.50	4.86	0.00	0.00
17.95	4.66	0.00	0.00	20.55	4.86	0.00	0.00
18.00	4.67	0.00	0.00	20.60	4.86	0.00	0.00
18.05	4.67	0.00	0.00	20.65	4.87	0.00	0.00
18.10	4.68	0.00	0.00	20.70	4.87	0.00	0.00
18.15	4.68	0.00	0.00	20.75	4.87	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	0.00	0.00	23.40	5.04	0.00	0.00
20.85	4.88	0.00	0.00	23.45	5.04	0.00	0.00
20.90	4.88	0.00	0.00	23.50	5.04	0.00	0.00
20.95	4.89	0.00	0.00	23.55	5.04	0.00	0.00
21.00	4.89	0.00	0.00	23.60	5.05	0.00	0.00
21.05	4.89	0.00	0.00	23.65	5.05	0.00	0.00
21.10	4.90	0.00	0.00	23.70	5.05	0.00	0.00
21.15	4.90	0.00	0.00	23.75	5.06	0.00	0.00
21.20	4.90	0.00	0.00	23.80	5.06	0.00	0.00
21.25	4.91	0.00	0.00	23.85	5.06	0.00	0.00
21.30	4.91	0.00	0.00	23.90	5.06	0.00	0.00
21.35	4.91	0.00	0.00	23.95	5.07	0.00	0.00
21.40	4.92	0.00	0.00	24.00	**5.07**	0.00	0.00
21.45	4.92	0.00	0.00	24.05	5.07	0.00	0.00
21.50	4.92	0.00	0.00	24.10	5.07	0.00	0.00
21.55	4.93	0.00	0.00	24.15	5.07	0.00	0.00
21.60	4.93	0.00	0.00	24.20	5.07	0.00	0.00
21.65	4.93	0.00	0.00	24.25	5.07	0.00	0.00
21.70	4.94	0.00	0.00	24.30	5.07	0.00	0.00
21.75	4.94	0.00	0.00	24.35	5.07	0.00	0.00
21.80	4.94	0.00	0.00	24.40	5.07	0.00	0.00
21.85	4.95	0.00	0.00	24.45	5.07	0.00	0.00
21.90	4.95	0.00	0.00	24.50	5.07	0.00	0.00
21.95	4.95	0.00	0.00	24.55	5.07	0.00	0.00
22.00	4.96	0.00	0.00	24.60	5.07	0.00	0.00
22.05	4.96	0.00	0.00	24.65	5.07	0.00	0.00
22.10	4.96	0.00	0.00	24.70	5.07	0.00	0.00
22.15	4.96	0.00	0.00	24.75	5.07	0.00	0.00
22.20	4.97	0.00	0.00	24.80	5.07	0.00	0.00
22.25	4.97	0.00	0.00	24.85	5.07	0.00	0.00
22.30	4.97	0.00	0.00	24.90	5.07	0.00	0.00
22.35	4.98	0.00	0.00	24.95	5.07	0.00	0.00
22.40	4.98	0.00	0.00	25.00	5.07	0.00	0.00
22.45	4.98	0.00	0.00	25.05	5.07	0.00	0.00
22.50	4.99	0.00	0.00	25.10	5.07	0.00	0.00
22.55	4.99	0.00	0.00	25.15	5.07	0.00	0.00
22.60	4.99	0.00	0.00	25.20	5.07	0.00	0.00
22.65	4.99	0.00	0.00	25.25	5.07	0.00	0.00
22.70	5.00	0.00	0.00	25.30	5.07	0.00	0.00
22.75	5.00	0.00	0.00	25.35	5.07	0.00	0.00
22.80	5.00	0.00	0.00	25.40	5.07	0.00	0.00
22.85	5.01	0.00	0.00	25.45	5.07	0.00	0.00
22.90	5.01	0.00	0.00	25.50	5.07	0.00	0.00
22.95	5.01	0.00	0.00	25.55	5.07	0.00	0.00
23.00	5.01	0.00	0.00	25.60	5.07	0.00	0.00
23.05	5.02	0.00	0.00	25.65	5.07	0.00	0.00
23.10	5.02	0.00	0.00	25.70	5.07	0.00	0.00
23.15	5.02	0.00	0.00	25.75	5.07	0.00	0.00
23.20	5.03	0.00	0.00	25.80	5.07	0.00	0.00
23.25	5.03	0.00	0.00	25.85	5.07	0.00	0.00
23.30	5.03	0.00	0.00	25.90	5.07	0.00	0.00
23.35	5.03	0.00	0.00	25.95	5.07	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	0.00	0.00	28.60	5.07	0.00	0.00
26.05	5.07	0.00	0.00	28.65	5.07	0.00	0.00
26.10	5.07	0.00	0.00	28.70	5.07	0.00	0.00
26.15	5.07	0.00	0.00	28.75	5.07	0.00	0.00
26.20	5.07	0.00	0.00	28.80	5.07	0.00	0.00
26.25	5.07	0.00	0.00	28.85	5.07	0.00	0.00
26.30	5.07	0.00	0.00	28.90	5.07	0.00	0.00
26.35	5.07	0.00	0.00	28.95	5.07	0.00	0.00
26.40	5.07	0.00	0.00	29.00	5.07	0.00	0.00
26.45	5.07	0.00	0.00	29.05	5.07	0.00	0.00
26.50	5.07	0.00	0.00	29.10	5.07	0.00	0.00
26.55	5.07	0.00	0.00	29.15	5.07	0.00	0.00
26.60	5.07	0.00	0.00	29.20	5.07	0.00	0.00
26.65	5.07	0.00	0.00	29.25	5.07	0.00	0.00
26.70	5.07	0.00	0.00	29.30	5.07	0.00	0.00
26.75	5.07	0.00	0.00	29.35	5.07	0.00	0.00
26.80	5.07	0.00	0.00	29.40	5.07	0.00	0.00
26.85	5.07	0.00	0.00	29.45	5.07	0.00	0.00
26.90	5.07	0.00	0.00	29.50	5.07	0.00	0.00
26.95	5.07	0.00	0.00	29.55	5.07	0.00	0.00
27.00	5.07	0.00	0.00	29.60	5.07	0.00	0.00
27.05	5.07	0.00	0.00	29.65	5.07	0.00	0.00
27.10	5.07	0.00	0.00	29.70	5.07	0.00	0.00
27.15	5.07	0.00	0.00	29.75	5.07	0.00	0.00
27.20	5.07	0.00	0.00	29.80	5.07	0.00	0.00
27.25	5.07	0.00	0.00	29.85	5.07	0.00	0.00
27.30	5.07	0.00	0.00	29.90	5.07	0.00	0.00
27.35	5.07	0.00	0.00	29.95	5.07	0.00	0.00
27.40	5.07	0.00	0.00	30.00	5.07	0.00	0.00
27.45	5.07	0.00	0.00	30.05	5.07	0.00	0.00
27.50	5.07	0.00	0.00	30.10	5.07	0.00	0.00
27.55	5.07	0.00	0.00	30.15	5.07	0.00	0.00
27.60	5.07	0.00	0.00	30.20	5.07	0.00	0.00
27.65	5.07	0.00	0.00	30.25	5.07	0.00	0.00
27.70	5.07	0.00	0.00	30.30	5.07	0.00	0.00
27.75	5.07	0.00	0.00	30.35	5.07	0.00	0.00
27.80	5.07	0.00	0.00	30.40	5.07	0.00	0.00
27.85	5.07	0.00	0.00	30.45	5.07	0.00	0.00
27.90	5.07	0.00	0.00	30.50	5.07	0.00	0.00
27.95	5.07	0.00	0.00	30.55	5.07	0.00	0.00
28.00	5.07	0.00	0.00	30.60	5.07	0.00	0.00
28.05	5.07	0.00	0.00	30.65	5.07	0.00	0.00
28.10	5.07	0.00	0.00	30.70	5.07	0.00	0.00
28.15	5.07	0.00	0.00	30.75	5.07	0.00	0.00
28.20	5.07	0.00	0.00	30.80	5.07	0.00	0.00
28.25	5.07	0.00	0.00	30.85	5.07	0.00	0.00
28.30	5.07	0.00	0.00	30.90	5.07	0.00	0.00
28.35	5.07	0.00	0.00	30.95	5.07	0.00	0.00
28.40	5.07	0.00	0.00	31.00	5.07	0.00	0.00
28.45	5.07	0.00	0.00	31.05	5.07	0.00	0.00
28.50	5.07	0.00	0.00	31.10	5.07	0.00	0.00
28.55	5.07	0.00	0.00	31.15	5.07	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	0.00	0.00	33.80	5.07	0.00	0.00
31.25	5.07	0.00	0.00	33.85	5.07	0.00	0.00
31.30	5.07	0.00	0.00	33.90	5.07	0.00	0.00
31.35	5.07	0.00	0.00	33.95	5.07	0.00	0.00
31.40	5.07	0.00	0.00	34.00	5.07	0.00	0.00
31.45	5.07	0.00	0.00	34.05	5.07	0.00	0.00
31.50	5.07	0.00	0.00	34.10	5.07	0.00	0.00
31.55	5.07	0.00	0.00	34.15	5.07	0.00	0.00
31.60	5.07	0.00	0.00	34.20	5.07	0.00	0.00
31.65	5.07	0.00	0.00	34.25	5.07	0.00	0.00
31.70	5.07	0.00	0.00	34.30	5.07	0.00	0.00
31.75	5.07	0.00	0.00	34.35	5.07	0.00	0.00
31.80	5.07	0.00	0.00	34.40	5.07	0.00	0.00
31.85	5.07	0.00	0.00	34.45	5.07	0.00	0.00
31.90	5.07	0.00	0.00	34.50	5.07	0.00	0.00
31.95	5.07	0.00	0.00	34.55	5.07	0.00	0.00
32.00	5.07	0.00	0.00	34.60	5.07	0.00	0.00
32.05	5.07	0.00	0.00	34.65	5.07	0.00	0.00
32.10	5.07	0.00	0.00	34.70	5.07	0.00	0.00
32.15	5.07	0.00	0.00	34.75	5.07	0.00	0.00
32.20	5.07	0.00	0.00	34.80	5.07	0.00	0.00
32.25	5.07	0.00	0.00	34.85	5.07	0.00	0.00
32.30	5.07	0.00	0.00	34.90	5.07	0.00	0.00
32.35	5.07	0.00	0.00	34.95	5.07	0.00	0.00
32.40	5.07	0.00	0.00	35.00	5.07	0.00	0.00
32.45	5.07	0.00	0.00	35.05	5.07	0.00	0.00
32.50	5.07	0.00	0.00	35.10	5.07	0.00	0.00
32.55	5.07	0.00	0.00	35.15	5.07	0.00	0.00
32.60	5.07	0.00	0.00	35.20	5.07	0.00	0.00
32.65	5.07	0.00	0.00	35.25	5.07	0.00	0.00
32.70	5.07	0.00	0.00	35.30	5.07	0.00	0.00
32.75	5.07	0.00	0.00	35.35	5.07	0.00	0.00
32.80	5.07	0.00	0.00	35.40	5.07	0.00	0.00
32.85	5.07	0.00	0.00	35.45	5.07	0.00	0.00
32.90	5.07	0.00	0.00	35.50	5.07	0.00	0.00
32.95	5.07	0.00	0.00	35.55	5.07	0.00	0.00
33.00	5.07	0.00	0.00	35.60	5.07	0.00	0.00
33.05	5.07	0.00	0.00	35.65	5.07	0.00	0.00
33.10	5.07	0.00	0.00	35.70	5.07	0.00	0.00
33.15	5.07	0.00	0.00	35.75	5.07	0.00	0.00
33.20	5.07	0.00	0.00	35.80	5.07	0.00	0.00
33.25	5.07	0.00	0.00	35.85	5.07	0.00	0.00
33.30	5.07	0.00	0.00	35.90	5.07	0.00	0.00
33.35	5.07	0.00	0.00	35.95	5.07	0.00	0.00
33.40	5.07	0.00	0.00	36.00	5.07	0.00	0.00
33.45	5.07	0.00	0.00	36.05	5.07	0.00	0.00
33.50	5.07	0.00	0.00	36.10	5.07	0.00	0.00
33.55	5.07	0.00	0.00	36.15	5.07	0.00	0.00
33.60	5.07	0.00	0.00	36.20	5.07	0.00	0.00
33.65	5.07	0.00	0.00	36.25	5.07	0.00	0.00
33.70	5.07	0.00	0.00	36.30	5.07	0.00	0.00
33.75	5.07	0.00	0.00	36.35	5.07	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	0.00	0.00
36.45	5.07	0.00	0.00
36.50	5.07	0.00	0.00
36.55	5.07	0.00	0.00
36.60	5.07	0.00	0.00
36.65	5.07	0.00	0.00
36.70	5.07	0.00	0.00
36.75	5.07	0.00	0.00
36.80	5.07	0.00	0.00
36.85	5.07	0.00	0.00
36.90	5.07	0.00	0.00
36.95	5.07	0.00	0.00
37.00	5.07	0.00	0.00
37.05	5.07	0.00	0.00
37.10	5.07	0.00	0.00
37.15	5.07	0.00	0.00
37.20	5.07	0.00	0.00
37.25	5.07	0.00	0.00
37.30	5.07	0.00	0.00
37.35	5.07	0.00	0.00
37.40	5.07	0.00	0.00
37.45	5.07	0.00	0.00
37.50	5.07	0.00	0.00
37.55	5.07	0.00	0.00
37.60	5.07	0.00	0.00
37.65	5.07	0.00	0.00
37.70	5.07	0.00	0.00
37.75	5.07	0.00	0.00
37.80	5.07	0.00	0.00
37.85	5.07	0.00	0.00
37.90	5.07	0.00	0.00
37.95	5.07	0.00	0.00
38.00	5.07	0.00	0.00
38.05	5.07	0.00	0.00
38.10	5.07	0.00	0.00
38.15	5.07	0.00	0.00
38.20	5.07	0.00	0.00
38.25	5.07	0.00	0.00
38.30	5.07	0.00	0.00
38.35	5.07	0.00	0.00
38.40	5.07	0.00	0.00
38.45	5.07	0.00	0.00
38.50	5.07	0.00	0.00
38.55	5.07	0.00	0.00
38.60	5.07	0.00	0.00
38.65	5.07	0.00	0.00
38.70	5.07	0.00	0.00
38.75	5.07	0.00	0.00
38.80	5.07	0.00	0.00
38.85	5.07	0.00	0.00
38.90	5.07	0.00	0.00
38.95	5.07	0.00	0.00
39.00	5.07	0.00	0.00
39.05	5.07	0.00	0.00
39.10	5.07	0.00	0.00
39.15	5.07	0.00	0.00
39.20	5.07	0.00	0.00
39.25	5.07	0.00	0.00
39.30	5.07	0.00	0.00
39.35	5.07	0.00	0.00
39.40	5.07	0.00	0.00
39.45	5.07	0.00	0.00
39.50	5.07	0.00	0.00
39.55	5.07	0.00	0.00
39.60	5.07	0.00	0.00
39.65	5.07	0.00	0.00
39.70	5.07	0.00	0.00
39.75	5.07	0.00	0.00
39.80	5.07	0.00	0.00
39.85	5.07	0.00	0.00
39.90	5.07	0.00	0.00
39.95	5.07	0.00	0.00
40.00	5.07	0.00	0.00

Summary for Subcatchment 51P: PDA-51 (pervious)

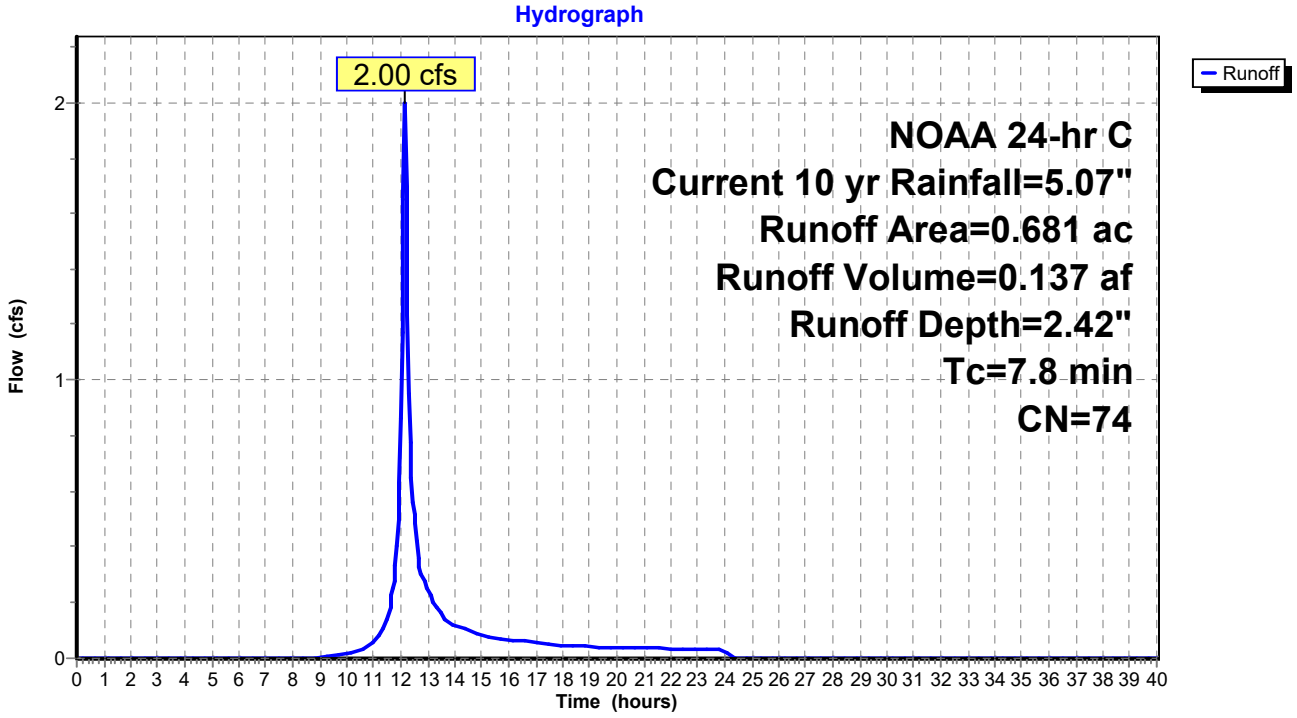
Runoff = 2.00 cfs @ 12.15 hrs, Volume= 0.137 af, Depth= 2.42"
Routed to Pond B-51 : Basin #51

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
0.681	74	>75% Grass cover, Good, HSG C
0.681		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
7.8					**Direct Entry,**

Subcatchment 51P: PDA-51 (pervious)



Hydrograph for Subcatchment 51P: PDA-51 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.00
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.00
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.00
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.00
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.00
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.00
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.00
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.01
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.01
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.01
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.01
7.00	0.49	0.00	0.00	9.60	0.84	0.01	0.01
7.05	0.50	0.00	0.00	9.65	0.85	0.01	0.01
7.10	0.50	0.00	0.00	9.70	0.86	0.01	0.01
7.15	0.51	0.00	0.00	9.75	0.87	0.01	0.01
7.20	0.52	0.00	0.00	9.80	0.88	0.01	0.01
7.25	0.52	0.00	0.00	9.85	0.89	0.01	0.01
7.30	0.53	0.00	0.00	9.90	0.90	0.01	0.01
7.35	0.53	0.00	0.00	9.95	0.91	0.01	0.01
7.40	0.54	0.00	0.00	10.00	0.92	0.01	0.02
7.45	0.54	0.00	0.00	10.05	0.94	0.01	0.02
7.50	0.55	0.00	0.00	10.10	0.95	0.02	0.02
7.55	0.55	0.00	0.00	10.15	0.96	0.02	0.02
7.60	0.56	0.00	0.00	10.20	0.97	0.02	0.02
7.65	0.57	0.00	0.00	10.25	0.98	0.02	0.02
7.70	0.57	0.00	0.00	10.30	0.99	0.02	0.02
7.75	0.58	0.00	0.00	10.35	1.01	0.02	0.02

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.03	0.02	13.00	3.85	1.49	0.24
10.45	1.03	0.03	0.03	13.05	3.87	1.50	0.23
10.50	1.04	0.03	0.03	13.10	3.89	1.52	0.22
10.55	1.06	0.03	0.03	13.15	3.91	1.53	0.21
10.60	1.07	0.04	0.03	13.20	3.93	1.55	0.20
10.65	1.09	0.04	0.03	13.25	3.95	1.56	0.19
10.70	1.10	0.04	0.04	13.30	3.97	1.57	0.18
10.75	1.12	0.04	0.04	13.35	3.98	1.58	0.18
10.80	1.14	0.05	0.04	13.40	4.00	1.59	0.17
10.85	1.16	0.05	0.05	13.45	4.01	1.60	0.16
10.90	1.18	0.06	0.05	13.50	4.03	1.61	0.15
10.95	1.20	0.06	0.05	13.55	4.04	1.62	0.15
11.00	1.22	0.07	0.06	13.60	4.05	1.63	0.14
11.05	1.24	0.07	0.06	13.65	4.06	1.64	0.13
11.10	1.26	0.08	0.07	13.70	4.08	1.65	0.13
11.15	1.29	0.08	0.07	13.75	4.09	1.66	0.13
11.20	1.31	0.09	0.08	13.80	4.10	1.67	0.13
11.25	1.34	0.10	0.09	13.85	4.11	1.68	0.12
11.30	1.37	0.11	0.10	13.90	4.12	1.69	0.12
11.35	1.40	0.12	0.11	13.95	4.13	1.70	0.12
11.40	1.43	0.13	0.12	14.00	4.15	1.70	0.12
11.45	1.47	0.14	0.13	14.05	4.16	1.71	0.12
11.50	1.50	0.15	0.13	14.10	4.17	1.72	0.11
11.55	1.55	0.16	0.15	14.15	4.18	1.73	0.11
11.60	1.60	0.18	0.19	14.20	4.19	1.74	0.11
11.65	1.65	0.20	0.22	14.25	4.20	1.74	0.11
11.70	1.71	0.22	0.25	14.30	4.21	1.75	0.11
11.75	1.78	0.25	0.28	14.35	4.22	1.76	0.11
11.80	1.86	0.29	0.33	14.40	4.23	1.77	0.10
11.85	1.96	0.33	0.40	14.45	4.24	1.77	0.10
11.90	2.06	0.38	0.50	14.50	4.25	1.78	0.10
11.95	2.24	0.47	0.63	14.55	4.26	1.79	0.10
12.00	2.42	0.56	0.86	14.60	4.27	1.79	0.10
12.05	2.71	0.73	1.17	14.65	4.27	1.80	0.09
12.10	3.01	0.91	1.65	14.70	4.28	1.81	0.09
12.15	3.11	0.98	**2.00**	14.75	4.29	1.81	0.09
12.20	3.21	1.05	1.69	14.80	4.30	1.82	0.09
12.25	3.29	1.10	1.23	14.85	4.31	1.82	0.09
12.30	3.36	1.15	0.95	14.90	4.31	1.83	0.08
12.35	3.42	1.18	0.78	14.95	4.32	1.84	0.08
12.40	3.47	1.22	0.65	15.00	4.33	1.84	0.08
12.45	3.52	1.25	0.56	15.05	4.34	1.85	0.08
12.50	3.57	1.29	0.52	15.10	4.34	1.85	0.08
12.55	3.60	1.31	0.49	15.15	4.35	1.86	0.08
12.60	3.64	1.34	0.42	15.20	4.36	1.86	0.07
12.65	3.67	1.36	0.36	15.25	4.36	1.87	0.07
12.70	3.70	1.38	0.33	15.30	4.37	1.87	0.07
12.75	3.73	1.40	0.31	15.35	4.38	1.88	0.07
12.80	3.76	1.42	0.29	15.40	4.39	1.88	0.07
12.85	3.78	1.44	0.28	15.45	4.39	1.89	0.07
12.90	3.81	1.46	0.27	15.50	4.40	1.89	0.07
12.95	3.83	1.47	0.26	15.55	4.41	1.90	0.07

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	1.90	0.07	18.20	4.68	2.12	0.04
15.65	4.42	1.91	0.07	18.25	4.69	2.12	0.04
15.70	4.42	1.91	0.07	18.30	4.69	2.12	0.04
15.75	4.43	1.92	0.07	18.35	4.70	2.12	0.04
15.80	4.44	1.92	0.07	18.40	4.70	2.13	0.04
15.85	4.44	1.93	0.07	18.45	4.70	2.13	0.04
15.90	4.45	1.93	0.07	18.50	4.71	2.13	0.04
15.95	4.46	1.94	0.07	18.55	4.71	2.14	0.04
16.00	4.46	1.94	0.07	18.60	4.72	2.14	0.04
16.05	4.47	1.95	0.07	18.65	4.72	2.14	0.04
16.10	4.47	1.95	0.06	18.70	4.72	2.15	0.04
16.15	4.48	1.96	0.06	18.75	4.73	2.15	0.04
16.20	4.49	1.96	0.06	18.80	4.73	2.15	0.04
16.25	4.49	1.97	0.06	18.85	4.74	2.16	0.04
16.30	4.50	1.97	0.06	18.90	4.74	2.16	0.04
16.35	4.50	1.98	0.06	18.95	4.74	2.16	0.04
16.40	4.51	1.98	0.06	19.00	4.75	2.16	0.04
16.45	4.52	1.98	0.06	19.05	4.75	2.17	0.04
16.50	4.52	1.99	0.06	19.10	4.76	2.17	0.04
16.55	4.53	1.99	0.06	19.15	4.76	2.17	0.04
16.60	4.53	2.00	0.06	19.20	4.76	2.18	0.04
16.65	4.54	2.00	0.06	19.25	4.77	2.18	0.04
16.70	4.54	2.01	0.06	19.30	4.77	2.18	0.04
16.75	4.55	2.01	0.06	19.35	4.77	2.19	0.04
16.80	4.55	2.01	0.06	19.40	4.78	2.19	0.04
16.85	4.56	2.02	0.06	19.45	4.78	2.19	0.04
16.90	4.57	2.02	0.06	19.50	4.79	2.19	0.04
16.95	4.57	2.03	0.06	19.55	4.79	2.20	0.04
17.00	4.58	2.03	0.06	19.60	4.79	2.20	0.04
17.05	4.58	2.03	0.06	19.65	4.80	2.20	0.04
17.10	4.59	2.04	0.05	19.70	4.80	2.21	0.04
17.15	4.59	2.04	0.05	19.75	4.80	2.21	0.04
17.20	4.60	2.05	0.05	19.80	4.81	2.21	0.04
17.25	4.60	2.05	0.05	19.85	4.81	2.21	0.04
17.30	4.61	2.05	0.05	19.90	4.81	2.22	0.04
17.35	4.61	2.06	0.05	19.95	4.82	2.22	0.04
17.40	4.61	2.06	0.05	20.00	4.82	2.22	0.04
17.45	4.62	2.06	0.05	20.05	4.83	2.23	0.04
17.50	4.62	2.07	0.05	20.10	4.83	2.23	0.04
17.55	4.63	2.07	0.05	20.15	4.83	2.23	0.04
17.60	4.63	2.08	0.05	20.20	4.84	2.23	0.04
17.65	4.64	2.08	0.05	20.25	4.84	2.24	0.04
17.70	4.64	2.08	0.05	20.30	4.84	2.24	0.04
17.75	4.65	2.09	0.05	20.35	4.85	2.24	0.04
17.80	4.65	2.09	0.05	20.40	4.85	2.25	0.04
17.85	4.66	2.09	0.05	20.45	4.85	2.25	0.04
17.90	4.66	2.10	0.05	20.50	4.86	2.25	0.04
17.95	4.66	2.10	0.05	20.55	4.86	2.25	0.04
18.00	4.67	2.10	0.05	20.60	4.86	2.26	0.04
18.05	4.67	2.11	0.04	20.65	4.87	2.26	0.04
18.10	4.68	2.11	0.04	20.70	4.87	2.26	0.04
18.15	4.68	2.11	0.04	20.75	4.87	2.26	0.04

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	2.27	0.04	23.40	5.04	2.39	0.03
20.85	4.88	2.27	0.04	23.45	5.04	2.40	0.03
20.90	4.88	2.27	0.04	23.50	5.04	2.40	0.03
20.95	4.89	2.28	0.04	23.55	5.04	2.40	0.03
21.00	4.89	2.28	0.04	23.60	5.05	2.40	0.03
21.05	4.89	2.28	0.04	23.65	5.05	2.40	0.03
21.10	4.90	2.28	0.04	23.70	5.05	2.41	0.03
21.15	4.90	2.29	0.04	23.75	5.06	2.41	0.03
21.20	4.90	2.29	0.04	23.80	5.06	2.41	0.03
21.25	4.91	2.29	0.04	23.85	5.06	2.41	0.03
21.30	4.91	2.29	0.04	23.90	5.06	2.42	0.03
21.35	4.91	2.30	0.04	23.95	5.07	2.42	0.03
21.40	4.92	2.30	0.04	24.00	**5.07**	**2.42**	0.03
21.45	4.92	2.30	0.04	24.05	5.07	2.42	0.03
21.50	4.92	2.30	0.04	24.10	5.07	2.42	0.02
21.55	4.93	2.31	0.04	24.15	5.07	2.42	0.01
21.60	4.93	2.31	0.04	24.20	5.07	2.42	0.00
21.65	4.93	2.31	0.03	24.25	5.07	2.42	0.00
21.70	4.94	2.31	0.03	24.30	5.07	2.42	0.00
21.75	4.94	2.32	0.03	24.35	5.07	2.42	0.00
21.80	4.94	2.32	0.03	24.40	5.07	2.42	0.00
21.85	4.95	2.32	0.03	24.45	5.07	2.42	0.00
21.90	4.95	2.32	0.03	24.50	5.07	2.42	0.00
21.95	4.95	2.33	0.03	24.55	5.07	2.42	0.00
22.00	4.96	2.33	0.03	24.60	5.07	2.42	0.00
22.05	4.96	2.33	0.03	24.65	5.07	2.42	0.00
22.10	4.96	2.33	0.03	24.70	5.07	2.42	0.00
22.15	4.96	2.34	0.03	24.75	5.07	2.42	0.00
22.20	4.97	2.34	0.03	24.80	5.07	2.42	0.00
22.25	4.97	2.34	0.03	24.85	5.07	2.42	0.00
22.30	4.97	2.34	0.03	24.90	5.07	2.42	0.00
22.35	4.98	2.35	0.03	24.95	5.07	2.42	0.00
22.40	4.98	2.35	0.03	25.00	5.07	2.42	0.00
22.45	4.98	2.35	0.03	25.05	5.07	2.42	0.00
22.50	4.99	2.35	0.03	25.10	5.07	2.42	0.00
22.55	4.99	2.36	0.03	25.15	5.07	2.42	0.00
22.60	4.99	2.36	0.03	25.20	5.07	2.42	0.00
22.65	4.99	2.36	0.03	25.25	5.07	2.42	0.00
22.70	5.00	2.36	0.03	25.30	5.07	2.42	0.00
22.75	5.00	2.36	0.03	25.35	5.07	2.42	0.00
22.80	5.00	2.37	0.03	25.40	5.07	2.42	0.00
22.85	5.01	2.37	0.03	25.45	5.07	2.42	0.00
22.90	5.01	2.37	0.03	25.50	5.07	2.42	0.00
22.95	5.01	2.37	0.03	25.55	5.07	2.42	0.00
23.00	5.01	2.38	0.03	25.60	5.07	2.42	0.00
23.05	5.02	2.38	0.03	25.65	5.07	2.42	0.00
23.10	5.02	2.38	0.03	25.70	5.07	2.42	0.00
23.15	5.02	2.38	0.03	25.75	5.07	2.42	0.00
23.20	5.03	2.38	0.03	25.80	5.07	2.42	0.00
23.25	5.03	2.39	0.03	25.85	5.07	2.42	0.00
23.30	5.03	2.39	0.03	25.90	5.07	2.42	0.00
23.35	5.03	2.39	0.03	25.95	5.07	2.42	0.00

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	2.42	0.00	28.60	5.07	2.42	0.00
26.05	5.07	2.42	0.00	28.65	5.07	2.42	0.00
26.10	5.07	2.42	0.00	28.70	5.07	2.42	0.00
26.15	5.07	2.42	0.00	28.75	5.07	2.42	0.00
26.20	5.07	2.42	0.00	28.80	5.07	2.42	0.00
26.25	5.07	2.42	0.00	28.85	5.07	2.42	0.00
26.30	5.07	2.42	0.00	28.90	5.07	2.42	0.00
26.35	5.07	2.42	0.00	28.95	5.07	2.42	0.00
26.40	5.07	2.42	0.00	29.00	5.07	2.42	0.00
26.45	5.07	2.42	0.00	29.05	5.07	2.42	0.00
26.50	5.07	2.42	0.00	29.10	5.07	2.42	0.00
26.55	5.07	2.42	0.00	29.15	5.07	2.42	0.00
26.60	5.07	2.42	0.00	29.20	5.07	2.42	0.00
26.65	5.07	2.42	0.00	29.25	5.07	2.42	0.00
26.70	5.07	2.42	0.00	29.30	5.07	2.42	0.00
26.75	5.07	2.42	0.00	29.35	5.07	2.42	0.00
26.80	5.07	2.42	0.00	29.40	5.07	2.42	0.00
26.85	5.07	2.42	0.00	29.45	5.07	2.42	0.00
26.90	5.07	2.42	0.00	29.50	5.07	2.42	0.00
26.95	5.07	2.42	0.00	29.55	5.07	2.42	0.00
27.00	5.07	2.42	0.00	29.60	5.07	2.42	0.00
27.05	5.07	2.42	0.00	29.65	5.07	2.42	0.00
27.10	5.07	2.42	0.00	29.70	5.07	2.42	0.00
27.15	5.07	2.42	0.00	29.75	5.07	2.42	0.00
27.20	5.07	2.42	0.00	29.80	5.07	2.42	0.00
27.25	5.07	2.42	0.00	29.85	5.07	2.42	0.00
27.30	5.07	2.42	0.00	29.90	5.07	2.42	0.00
27.35	5.07	2.42	0.00	29.95	5.07	2.42	0.00
27.40	5.07	2.42	0.00	30.00	5.07	2.42	0.00
27.45	5.07	2.42	0.00	30.05	5.07	2.42	0.00
27.50	5.07	2.42	0.00	30.10	5.07	2.42	0.00
27.55	5.07	2.42	0.00	30.15	5.07	2.42	0.00
27.60	5.07	2.42	0.00	30.20	5.07	2.42	0.00
27.65	5.07	2.42	0.00	30.25	5.07	2.42	0.00
27.70	5.07	2.42	0.00	30.30	5.07	2.42	0.00
27.75	5.07	2.42	0.00	30.35	5.07	2.42	0.00
27.80	5.07	2.42	0.00	30.40	5.07	2.42	0.00
27.85	5.07	2.42	0.00	30.45	5.07	2.42	0.00
27.90	5.07	2.42	0.00	30.50	5.07	2.42	0.00
27.95	5.07	2.42	0.00	30.55	5.07	2.42	0.00
28.00	5.07	2.42	0.00	30.60	5.07	2.42	0.00
28.05	5.07	2.42	0.00	30.65	5.07	2.42	0.00
28.10	5.07	2.42	0.00	30.70	5.07	2.42	0.00
28.15	5.07	2.42	0.00	30.75	5.07	2.42	0.00
28.20	5.07	2.42	0.00	30.80	5.07	2.42	0.00
28.25	5.07	2.42	0.00	30.85	5.07	2.42	0.00
28.30	5.07	2.42	0.00	30.90	5.07	2.42	0.00
28.35	5.07	2.42	0.00	30.95	5.07	2.42	0.00
28.40	5.07	2.42	0.00	31.00	5.07	2.42	0.00
28.45	5.07	2.42	0.00	31.05	5.07	2.42	0.00
28.50	5.07	2.42	0.00	31.10	5.07	2.42	0.00
28.55	5.07	2.42	0.00	31.15	5.07	2.42	0.00

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	2.42	0.00	33.80	5.07	2.42	0.00
31.25	5.07	2.42	0.00	33.85	5.07	2.42	0.00
31.30	5.07	2.42	0.00	33.90	5.07	2.42	0.00
31.35	5.07	2.42	0.00	33.95	5.07	2.42	0.00
31.40	5.07	2.42	0.00	34.00	5.07	2.42	0.00
31.45	5.07	2.42	0.00	34.05	5.07	2.42	0.00
31.50	5.07	2.42	0.00	34.10	5.07	2.42	0.00
31.55	5.07	2.42	0.00	34.15	5.07	2.42	0.00
31.60	5.07	2.42	0.00	34.20	5.07	2.42	0.00
31.65	5.07	2.42	0.00	34.25	5.07	2.42	0.00
31.70	5.07	2.42	0.00	34.30	5.07	2.42	0.00
31.75	5.07	2.42	0.00	34.35	5.07	2.42	0.00
31.80	5.07	2.42	0.00	34.40	5.07	2.42	0.00
31.85	5.07	2.42	0.00	34.45	5.07	2.42	0.00
31.90	5.07	2.42	0.00	34.50	5.07	2.42	0.00
31.95	5.07	2.42	0.00	34.55	5.07	2.42	0.00
32.00	5.07	2.42	0.00	34.60	5.07	2.42	0.00
32.05	5.07	2.42	0.00	34.65	5.07	2.42	0.00
32.10	5.07	2.42	0.00	34.70	5.07	2.42	0.00
32.15	5.07	2.42	0.00	34.75	5.07	2.42	0.00
32.20	5.07	2.42	0.00	34.80	5.07	2.42	0.00
32.25	5.07	2.42	0.00	34.85	5.07	2.42	0.00
32.30	5.07	2.42	0.00	34.90	5.07	2.42	0.00
32.35	5.07	2.42	0.00	34.95	5.07	2.42	0.00
32.40	5.07	2.42	0.00	35.00	5.07	2.42	0.00
32.45	5.07	2.42	0.00	35.05	5.07	2.42	0.00
32.50	5.07	2.42	0.00	35.10	5.07	2.42	0.00
32.55	5.07	2.42	0.00	35.15	5.07	2.42	0.00
32.60	5.07	2.42	0.00	35.20	5.07	2.42	0.00
32.65	5.07	2.42	0.00	35.25	5.07	2.42	0.00
32.70	5.07	2.42	0.00	35.30	5.07	2.42	0.00
32.75	5.07	2.42	0.00	35.35	5.07	2.42	0.00
32.80	5.07	2.42	0.00	35.40	5.07	2.42	0.00
32.85	5.07	2.42	0.00	35.45	5.07	2.42	0.00
32.90	5.07	2.42	0.00	35.50	5.07	2.42	0.00
32.95	5.07	2.42	0.00	35.55	5.07	2.42	0.00
33.00	5.07	2.42	0.00	35.60	5.07	2.42	0.00
33.05	5.07	2.42	0.00	35.65	5.07	2.42	0.00
33.10	5.07	2.42	0.00	35.70	5.07	2.42	0.00
33.15	5.07	2.42	0.00	35.75	5.07	2.42	0.00
33.20	5.07	2.42	0.00	35.80	5.07	2.42	0.00
33.25	5.07	2.42	0.00	35.85	5.07	2.42	0.00
33.30	5.07	2.42	0.00	35.90	5.07	2.42	0.00
33.35	5.07	2.42	0.00	35.95	5.07	2.42	0.00
33.40	5.07	2.42	0.00	36.00	5.07	2.42	0.00
33.45	5.07	2.42	0.00	36.05	5.07	2.42	0.00
33.50	5.07	2.42	0.00	36.10	5.07	2.42	0.00
33.55	5.07	2.42	0.00	36.15	5.07	2.42	0.00
33.60	5.07	2.42	0.00	36.20	5.07	2.42	0.00
33.65	5.07	2.42	0.00	36.25	5.07	2.42	0.00
33.70	5.07	2.42	0.00	36.30	5.07	2.42	0.00
33.75	5.07	2.42	0.00	36.35	5.07	2.42	0.00

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	2.42	0.00
36.45	5.07	2.42	0.00
36.50	5.07	2.42	0.00
36.55	5.07	2.42	0.00
36.60	5.07	2.42	0.00
36.65	5.07	2.42	0.00
36.70	5.07	2.42	0.00
36.75	5.07	2.42	0.00
36.80	5.07	2.42	0.00
36.85	5.07	2.42	0.00
36.90	5.07	2.42	0.00
36.95	5.07	2.42	0.00
37.00	5.07	2.42	0.00
37.05	5.07	2.42	0.00
37.10	5.07	2.42	0.00
37.15	5.07	2.42	0.00
37.20	5.07	2.42	0.00
37.25	5.07	2.42	0.00
37.30	5.07	2.42	0.00
37.35	5.07	2.42	0.00
37.40	5.07	2.42	0.00
37.45	5.07	2.42	0.00
37.50	5.07	2.42	0.00
37.55	5.07	2.42	0.00
37.60	5.07	2.42	0.00
37.65	5.07	2.42	0.00
37.70	5.07	2.42	0.00
37.75	5.07	2.42	0.00
37.80	5.07	2.42	0.00
37.85	5.07	2.42	0.00
37.90	5.07	2.42	0.00
37.95	5.07	2.42	0.00
38.00	5.07	2.42	0.00
38.05	5.07	2.42	0.00
38.10	5.07	2.42	0.00
38.15	5.07	2.42	0.00
38.20	5.07	2.42	0.00
38.25	5.07	2.42	0.00
38.30	5.07	2.42	0.00
38.35	5.07	2.42	0.00
38.40	5.07	2.42	0.00
38.45	5.07	2.42	0.00
38.50	5.07	2.42	0.00
38.55	5.07	2.42	0.00
38.60	5.07	2.42	0.00
38.65	5.07	2.42	0.00
38.70	5.07	2.42	0.00
38.75	5.07	2.42	0.00
38.80	5.07	2.42	0.00
38.85	5.07	2.42	0.00
38.90	5.07	2.42	0.00
38.95	5.07	2.42	0.00
39.00	5.07	2.42	0.00
39.05	5.07	2.42	0.00
39.10	5.07	2.42	0.00
39.15	5.07	2.42	0.00
39.20	5.07	2.42	0.00
39.25	5.07	2.42	0.00
39.30	5.07	2.42	0.00
39.35	5.07	2.42	0.00
39.40	5.07	2.42	0.00
39.45	5.07	2.42	0.00
39.50	5.07	2.42	0.00
39.55	5.07	2.42	0.00
39.60	5.07	2.42	0.00
39.65	5.07	2.42	0.00
39.70	5.07	2.42	0.00
39.75	5.07	2.42	0.00
39.80	5.07	2.42	0.00
39.85	5.07	2.42	0.00
39.90	5.07	2.42	0.00
39.95	5.07	2.42	0.00
40.00	5.07	2.42	0.00

Summary for Subcatchment 52I: PDA-52 (impervious)

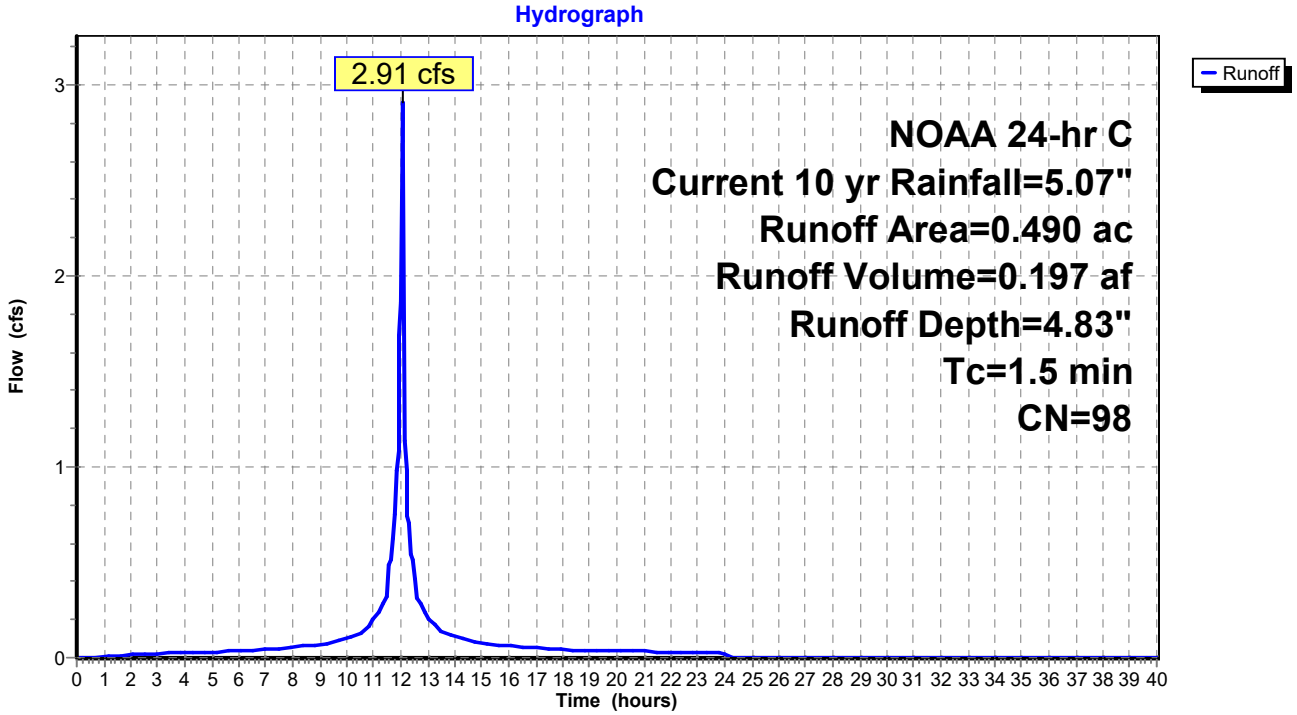
Runoff = 2.91 cfs @ 12.07 hrs, Volume= 0.197 af, Depth= 4.83"
Routed to Pond B-52 : Basin #52

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

	Area (ac)	CN	Description
*	0.118	98	Pavement, HSG C
*	0.339	98	Roof, HSG C
*	0.033	98	Concrete, HSG C
	0.490	98	Weighted Average
	0.490		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.5					**Direct Entry,**

Subcatchment 52I: PDA-52 (impervious)



Hydrograph for Subcatchment 52I: PDA-52 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.04	0.02
0.05	0.00	0.00	0.00	2.65	0.16	0.04	0.02
0.10	0.01	0.00	0.00	2.70	0.16	0.04	0.02
0.15	0.01	0.00	0.00	2.75	0.16	0.05	0.02
0.20	0.01	0.00	0.00	2.80	0.17	0.05	0.02
0.25	0.01	0.00	0.00	2.85	0.17	0.05	0.02
0.30	0.02	0.00	0.00	2.90	0.17	0.05	0.02
0.35	0.02	0.00	0.00	2.95	0.18	0.05	0.02
0.40	0.02	0.00	0.00	3.00	0.18	0.06	0.02
0.45	0.03	0.00	0.00	3.05	0.18	0.06	0.02
0.50	0.03	0.00	0.00	3.10	0.19	0.06	0.02
0.55	0.03	0.00	0.00	3.15	0.19	0.06	0.02
0.60	0.03	0.00	0.00	3.20	0.19	0.06	0.02
0.65	0.04	0.00	0.00	3.25	0.20	0.07	0.02
0.70	0.04	0.00	0.00	3.30	0.20	0.07	0.02
0.75	0.04	0.00	0.00	3.35	0.20	0.07	0.02
0.80	0.04	0.00	0.00	3.40	0.21	0.07	0.02
0.85	0.05	0.00	0.00	3.45	0.21	0.08	0.02
0.90	0.05	0.00	0.00	3.50	0.21	0.08	0.02
0.95	0.05	0.00	0.00	3.55	0.22	0.08	0.02
1.00	0.06	0.00	0.00	3.60	0.22	0.08	0.02
1.05	0.06	0.00	0.00	3.65	0.22	0.09	0.02
1.10	0.06	0.00	0.00	3.70	0.23	0.09	0.03
1.15	0.06	0.00	0.01	3.75	0.23	0.09	0.03
1.20	0.07	0.00	0.01	3.80	0.23	0.09	0.03
1.25	0.07	0.00	0.01	3.85	0.24	0.10	0.03
1.30	0.07	0.00	0.01	3.90	0.24	0.10	0.03
1.35	0.08	0.01	0.01	3.95	0.24	0.10	0.03
1.40	0.08	0.01	0.01	4.00	0.25	0.10	0.03
1.45	0.08	0.01	0.01	4.05	0.25	0.11	0.03
1.50	0.08	0.01	0.01	4.10	0.26	0.11	0.03
1.55	0.09	0.01	0.01	4.15	0.26	0.11	0.03
1.60	0.09	0.01	0.01	4.20	0.26	0.12	0.03
1.65	0.09	0.01	0.01	4.25	0.27	0.12	0.03
1.70	0.10	0.01	0.01	4.30	0.27	0.12	0.03
1.75	0.10	0.01	0.01	4.35	0.27	0.12	0.03
1.80	0.10	0.01	0.01	4.40	0.28	0.13	0.03
1.85	0.11	0.02	0.01	4.45	0.28	0.13	0.03
1.90	0.11	0.02	0.01	4.50	0.28	0.13	0.03
1.95	0.11	0.02	0.01	4.55	0.29	0.14	0.03
2.00	0.11	0.02	0.01	4.60	0.29	0.14	0.03
2.05	0.12	0.02	0.01	4.65	0.30	0.14	0.03
2.10	0.12	0.02	0.01	4.70	0.30	0.14	0.03
2.15	0.12	0.02	0.02	4.75	0.30	0.15	0.03
2.20	0.13	0.03	0.02	4.80	0.31	0.15	0.03
2.25	0.13	0.03	0.02	4.85	0.31	0.15	0.03
2.30	0.13	0.03	0.02	4.90	0.31	0.16	0.03
2.35	0.14	0.03	0.02	4.95	0.32	0.16	0.03
2.40	0.14	0.03	0.02	5.00	0.32	0.16	0.03
2.45	0.14	0.03	0.02	5.05	0.33	0.17	0.03
2.50	0.15	0.04	0.02	5.10	0.33	0.17	0.03
2.55	0.15	0.04	0.02	5.15	0.33	0.17	0.03

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.18	0.03	7.80	0.58	0.39	0.05
5.25	0.34	0.18	0.03	7.85	0.59	0.40	0.05
5.30	0.35	0.18	0.03	7.90	0.60	0.41	0.06
5.35	0.35	0.19	0.03	7.95	0.60	0.41	0.06
5.40	0.35	0.19	0.03	8.00	0.61	0.42	0.06
5.45	0.36	0.19	0.03	8.05	0.61	0.42	0.06
5.50	0.36	0.20	0.03	8.10	0.62	0.43	0.06
5.55	0.37	0.20	0.03	8.15	0.63	0.43	0.06
5.60	0.37	0.20	0.03	8.20	0.63	0.44	0.06
5.65	0.37	0.21	0.03	8.25	0.64	0.45	0.06
5.70	0.38	0.21	0.03	8.30	0.65	0.45	0.06
5.75	0.38	0.21	0.03	8.35	0.65	0.46	0.06
5.80	0.39	0.22	0.03	8.40	0.66	0.46	0.06
5.85	0.39	0.22	0.03	8.45	0.66	0.47	0.06
5.90	0.39	0.22	0.03	8.50	0.67	0.48	0.06
5.95	0.40	0.23	0.03	8.55	0.68	0.48	0.06
6.00	0.40	0.23	0.04	8.60	0.68	0.49	0.06
6.05	0.41	0.23	0.04	8.65	0.69	0.50	0.06
6.10	0.41	0.24	0.04	8.70	0.70	0.50	0.06
6.15	0.41	0.24	0.04	8.75	0.71	0.51	0.06
6.20	0.42	0.25	0.04	8.80	0.71	0.51	0.06
6.25	0.42	0.25	0.04	8.85	0.72	0.52	0.07
6.30	0.43	0.25	0.04	8.90	0.73	0.53	0.07
6.35	0.43	0.26	0.04	8.95	0.73	0.53	0.07
6.40	0.44	0.26	0.04	9.00	0.74	0.54	0.07
6.45	0.44	0.27	0.04	9.05	0.75	0.55	0.07
6.50	0.45	0.27	0.04	9.10	0.76	0.56	0.07
6.55	0.45	0.27	0.04	9.15	0.76	0.56	0.07
6.60	0.46	0.28	0.04	9.20	0.77	0.57	0.07
6.65	0.46	0.28	0.04	9.25	0.78	0.58	0.08
6.70	0.46	0.29	0.04	9.30	0.79	0.59	0.08
6.75	0.47	0.29	0.04	9.35	0.80	0.59	0.08
6.80	0.47	0.29	0.04	9.40	0.80	0.60	0.08
6.85	0.48	0.30	0.04	9.45	0.81	0.61	0.08
6.90	0.48	0.30	0.04	9.50	0.82	0.62	0.09
6.95	0.49	0.31	0.05	9.55	0.83	0.63	0.09
7.00	0.49	0.31	0.05	9.60	0.84	0.64	0.09
7.05	0.50	0.32	0.05	9.65	0.85	0.65	0.09
7.10	0.50	0.32	0.05	9.70	0.86	0.66	0.09
7.15	0.51	0.33	0.05	9.75	0.87	0.67	0.10
7.20	0.52	0.33	0.05	9.80	0.88	0.68	0.10
7.25	0.52	0.34	0.05	9.85	0.89	0.69	0.10
7.30	0.53	0.34	0.05	9.90	0.90	0.70	0.10
7.35	0.53	0.35	0.05	9.95	0.91	0.71	0.10
7.40	0.54	0.35	0.05	10.00	0.92	0.72	0.10
7.45	0.54	0.36	0.05	10.05	0.94	0.73	0.11
7.50	0.55	0.36	0.05	10.10	0.95	0.74	0.11
7.55	0.55	0.37	0.05	10.15	0.96	0.75	0.11
7.60	0.56	0.37	0.05	10.20	0.97	0.76	0.11
7.65	0.57	0.38	0.05	10.25	0.98	0.77	0.11
7.70	0.57	0.38	0.05	10.30	0.99	0.79	0.12
7.75	0.58	0.39	0.05	10.35	1.01	0.80	0.12

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.81	0.12	13.00	3.85	3.62	0.22
10.45	1.03	0.82	0.12	13.05	3.87	3.64	0.20
10.50	1.04	0.83	0.12	13.10	3.89	3.66	0.20
10.55	1.06	0.85	0.14	13.15	3.91	3.68	0.18
10.60	1.07	0.86	0.14	13.20	3.93	3.70	0.18
10.65	1.09	0.88	0.15	13.25	3.95	3.71	0.17
10.70	1.10	0.89	0.15	13.30	3.97	3.73	0.17
10.75	1.12	0.91	0.16	13.35	3.98	3.75	0.16
10.80	1.14	0.93	0.17	13.40	4.00	3.76	0.15
10.85	1.16	0.94	0.18	13.45	4.01	3.78	0.14
10.90	1.18	0.96	0.18	13.50	4.03	3.79	0.14
10.95	1.20	0.98	0.19	13.55	4.04	3.80	0.13
11.00	1.22	1.00	0.20	13.60	4.05	3.82	0.13
11.05	1.24	1.02	0.22	13.65	4.06	3.83	0.12
11.10	1.26	1.05	0.22	13.70	4.08	3.84	0.12
11.15	1.29	1.07	0.25	13.75	4.09	3.85	0.12
11.20	1.31	1.10	0.25	13.80	4.10	3.86	0.12
11.25	1.34	1.12	0.27	13.85	4.11	3.88	0.12
11.30	1.37	1.15	0.28	13.90	4.12	3.89	0.11
11.35	1.40	1.18	0.30	13.95	4.13	3.90	0.11
11.40	1.43	1.21	0.30	14.00	4.15	3.91	0.11
11.45	1.47	1.25	0.32	14.05	4.16	3.92	0.11
11.50	1.50	1.28	0.34	14.10	4.17	3.93	0.11
11.55	1.55	1.33	0.49	14.15	4.18	3.94	0.10
11.60	1.60	1.38	0.50	14.20	4.19	3.95	0.10
11.65	1.65	1.43	0.52	14.25	4.20	3.96	0.10
11.70	1.71	1.49	0.55	14.30	4.21	3.97	0.10
11.75	1.78	1.56	0.71	14.35	4.22	3.98	0.10
11.80	1.86	1.63	0.75	14.40	4.23	3.99	0.10
11.85	1.96	1.73	0.99	14.45	4.24	4.00	0.09
11.90	2.06	1.84	1.08	14.50	4.25	4.01	0.09
11.95	2.24	2.01	1.69	14.55	4.26	4.02	0.09
12.00	2.42	2.19	1.86	14.60	4.27	4.03	0.09
12.05	2.71	2.48	**2.83**	14.65	4.27	4.04	0.09
12.10	3.01	2.78	2.71	14.70	4.28	4.05	0.08
12.15	3.11	2.88	1.14	14.75	4.29	4.06	0.08
12.20	3.21	2.98	0.98	14.80	4.30	4.06	0.08
12.25	3.29	3.05	0.75	14.85	4.31	4.07	0.08
12.30	3.36	3.13	0.71	14.90	4.31	4.08	0.08
12.35	3.42	3.18	0.54	14.95	4.32	4.09	0.07
12.40	3.47	3.24	0.53	15.00	4.33	4.09	0.07
12.45	3.52	3.29	0.51	15.05	4.34	4.10	0.07
12.50	3.57	3.34	0.49	15.10	4.34	4.11	0.07
12.55	3.60	3.37	0.34	15.15	4.35	4.12	0.07
12.60	3.64	3.40	0.32	15.20	4.36	4.12	0.07
12.65	3.67	3.43	0.31	15.25	4.36	4.13	0.07
12.70	3.70	3.47	0.30	15.30	4.37	4.14	0.07
12.75	3.73	3.49	0.28	15.35	4.38	4.14	0.07
12.80	3.76	3.52	0.28	15.40	4.39	4.15	0.07
12.85	3.78	3.55	0.25	15.45	4.39	4.16	0.07
12.90	3.81	3.57	0.25	15.50	4.40	4.16	0.07
12.95	3.83	3.60	0.23	15.55	4.41	4.17	0.07

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	4.18	0.07	18.20	4.68	4.45	0.04
15.65	4.42	4.18	0.06	18.25	4.69	4.45	0.04
15.70	4.42	4.19	0.06	18.30	4.69	4.46	0.04
15.75	4.43	4.20	0.06	18.35	4.70	4.46	0.04
15.80	4.44	4.20	0.06	18.40	4.70	4.46	0.04
15.85	4.44	4.21	0.06	18.45	4.70	4.47	0.04
15.90	4.45	4.21	0.06	18.50	4.71	4.47	0.04
15.95	4.46	4.22	0.06	18.55	4.71	4.48	0.04
16.00	4.46	4.23	0.06	18.60	4.72	4.48	0.04
16.05	4.47	4.23	0.06	18.65	4.72	4.48	0.04
16.10	4.47	4.24	0.06	18.70	4.72	4.49	0.04
16.15	4.48	4.24	0.06	18.75	4.73	4.49	0.04
16.20	4.49	4.25	0.06	18.80	4.73	4.50	0.04
16.25	4.49	4.26	0.06	18.85	4.74	4.50	0.04
16.30	4.50	4.26	0.06	18.90	4.74	4.50	0.04
16.35	4.50	4.27	0.06	18.95	4.74	4.51	0.04
16.40	4.51	4.27	0.06	19.00	4.75	4.51	0.04
16.45	4.52	4.28	0.06	19.05	4.75	4.51	0.04
16.50	4.52	4.29	0.06	19.10	4.76	4.52	0.04
16.55	4.53	4.29	0.06	19.15	4.76	4.52	0.04
16.60	4.53	4.30	0.06	19.20	4.76	4.53	0.04
16.65	4.54	4.30	0.05	19.25	4.77	4.53	0.04
16.70	4.54	4.31	0.05	19.30	4.77	4.53	0.04
16.75	4.55	4.31	0.05	19.35	4.77	4.54	0.04
16.80	4.55	4.32	0.05	19.40	4.78	4.54	0.04
16.85	4.56	4.32	0.05	19.45	4.78	4.55	0.04
16.90	4.57	4.33	0.05	19.50	4.79	4.55	0.04
16.95	4.57	4.33	0.05	19.55	4.79	4.55	0.04
17.00	4.58	4.34	0.05	19.60	4.79	4.56	0.04
17.05	4.58	4.34	0.05	19.65	4.80	4.56	0.04
17.10	4.59	4.35	0.05	19.70	4.80	4.56	0.04
17.15	4.59	4.35	0.05	19.75	4.80	4.57	0.04
17.20	4.60	4.36	0.05	19.80	4.81	4.57	0.04
17.25	4.60	4.36	0.05	19.85	4.81	4.57	0.04
17.30	4.61	4.37	0.05	19.90	4.81	4.58	0.04
17.35	4.61	4.37	0.05	19.95	4.82	4.58	0.04
17.40	4.61	4.38	0.05	20.00	4.82	4.59	0.04
17.45	4.62	4.38	0.05	20.05	4.83	4.59	0.04
17.50	4.62	4.39	0.05	20.10	4.83	4.59	0.04
17.55	4.63	4.39	0.05	20.15	4.83	4.60	0.04
17.60	4.63	4.40	0.05	20.20	4.84	4.60	0.03
17.65	4.64	4.40	0.04	20.25	4.84	4.60	0.03
17.70	4.64	4.41	0.04	20.30	4.84	4.61	0.03
17.75	4.65	4.41	0.04	20.35	4.85	4.61	0.03
17.80	4.65	4.42	0.04	20.40	4.85	4.61	0.03
17.85	4.66	4.42	0.04	20.45	4.85	4.62	0.03
17.90	4.66	4.42	0.04	20.50	4.86	4.62	0.03
17.95	4.66	4.43	0.04	20.55	4.86	4.62	0.03
18.00	4.67	4.43	0.04	20.60	4.86	4.63	0.03
18.05	4.67	4.44	0.04	20.65	4.87	4.63	0.03
18.10	4.68	4.44	0.04	20.70	4.87	4.63	0.03
18.15	4.68	4.44	0.04	20.75	4.87	4.64	0.03

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	4.64	0.03	23.40	5.04	4.80	0.03
20.85	4.88	4.64	0.03	23.45	5.04	4.80	0.03
20.90	4.88	4.65	0.03	23.50	5.04	4.81	0.03
20.95	4.89	4.65	0.03	23.55	5.04	4.81	0.03
21.00	4.89	4.65	0.03	23.60	5.05	4.81	0.03
21.05	4.89	4.66	0.03	23.65	5.05	4.81	0.03
21.10	4.90	4.66	0.03	23.70	5.05	4.82	0.03
21.15	4.90	4.66	0.03	23.75	5.06	4.82	0.03
21.20	4.90	4.67	0.03	23.80	5.06	4.82	0.03
21.25	4.91	4.67	0.03	23.85	5.06	4.82	0.03
21.30	4.91	4.67	0.03	23.90	5.06	4.83	0.03
21.35	4.91	4.68	0.03	23.95	5.07	4.83	0.03
21.40	4.92	4.68	0.03	24.00	**5.07**	**4.83**	0.03
21.45	4.92	4.68	0.03	24.05	5.07	4.83	0.00
21.50	4.92	4.69	0.03	24.10	5.07	4.83	0.00
21.55	4.93	4.69	0.03	24.15	5.07	4.83	0.00
21.60	4.93	4.69	0.03	24.20	5.07	4.83	0.00
21.65	4.93	4.70	0.03	24.25	5.07	4.83	0.00
21.70	4.94	4.70	0.03	24.30	5.07	4.83	0.00
21.75	4.94	4.70	0.03	24.35	5.07	4.83	0.00
21.80	4.94	4.71	0.03	24.40	5.07	4.83	0.00
21.85	4.95	4.71	0.03	24.45	5.07	4.83	0.00
21.90	4.95	4.71	0.03	24.50	5.07	4.83	0.00
21.95	4.95	4.72	0.03	24.55	5.07	4.83	0.00
22.00	4.96	4.72	0.03	24.60	5.07	4.83	0.00
22.05	4.96	4.72	0.03	24.65	5.07	4.83	0.00
22.10	4.96	4.72	0.03	24.70	5.07	4.83	0.00
22.15	4.96	4.73	0.03	24.75	5.07	4.83	0.00
22.20	4.97	4.73	0.03	24.80	5.07	4.83	0.00
22.25	4.97	4.73	0.03	24.85	5.07	4.83	0.00
22.30	4.97	4.74	0.03	24.90	5.07	4.83	0.00
22.35	4.98	4.74	0.03	24.95	5.07	4.83	0.00
22.40	4.98	4.74	0.03	25.00	5.07	4.83	0.00
22.45	4.98	4.75	0.03	25.05	5.07	4.83	0.00
22.50	4.99	4.75	0.03	25.10	5.07	4.83	0.00
22.55	4.99	4.75	0.03	25.15	5.07	4.83	0.00
22.60	4.99	4.75	0.03	25.20	5.07	4.83	0.00
22.65	4.99	4.76	0.03	25.25	5.07	4.83	0.00
22.70	5.00	4.76	0.03	25.30	5.07	4.83	0.00
22.75	5.00	4.76	0.03	25.35	5.07	4.83	0.00
22.80	5.00	4.77	0.03	25.40	5.07	4.83	0.00
22.85	5.01	4.77	0.03	25.45	5.07	4.83	0.00
22.90	5.01	4.77	0.03	25.50	5.07	4.83	0.00
22.95	5.01	4.77	0.03	25.55	5.07	4.83	0.00
23.00	5.01	4.78	0.03	25.60	5.07	4.83	0.00
23.05	5.02	4.78	0.03	25.65	5.07	4.83	0.00
23.10	5.02	4.78	0.03	25.70	5.07	4.83	0.00
23.15	5.02	4.79	0.03	25.75	5.07	4.83	0.00
23.20	5.03	4.79	0.03	25.80	5.07	4.83	0.00
23.25	5.03	4.79	0.03	25.85	5.07	4.83	0.00
23.30	5.03	4.79	0.03	25.90	5.07	4.83	0.00
23.35	5.03	4.80	0.03	25.95	5.07	4.83	0.00

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	4.83	0.00	28.60	5.07	4.83	0.00
26.05	5.07	4.83	0.00	28.65	5.07	4.83	0.00
26.10	5.07	4.83	0.00	28.70	5.07	4.83	0.00
26.15	5.07	4.83	0.00	28.75	5.07	4.83	0.00
26.20	5.07	4.83	0.00	28.80	5.07	4.83	0.00
26.25	5.07	4.83	0.00	28.85	5.07	4.83	0.00
26.30	5.07	4.83	0.00	28.90	5.07	4.83	0.00
26.35	5.07	4.83	0.00	28.95	5.07	4.83	0.00
26.40	5.07	4.83	0.00	29.00	5.07	4.83	0.00
26.45	5.07	4.83	0.00	29.05	5.07	4.83	0.00
26.50	5.07	4.83	0.00	29.10	5.07	4.83	0.00
26.55	5.07	4.83	0.00	29.15	5.07	4.83	0.00
26.60	5.07	4.83	0.00	29.20	5.07	4.83	0.00
26.65	5.07	4.83	0.00	29.25	5.07	4.83	0.00
26.70	5.07	4.83	0.00	29.30	5.07	4.83	0.00
26.75	5.07	4.83	0.00	29.35	5.07	4.83	0.00
26.80	5.07	4.83	0.00	29.40	5.07	4.83	0.00
26.85	5.07	4.83	0.00	29.45	5.07	4.83	0.00
26.90	5.07	4.83	0.00	29.50	5.07	4.83	0.00
26.95	5.07	4.83	0.00	29.55	5.07	4.83	0.00
27.00	5.07	4.83	0.00	29.60	5.07	4.83	0.00
27.05	5.07	4.83	0.00	29.65	5.07	4.83	0.00
27.10	5.07	4.83	0.00	29.70	5.07	4.83	0.00
27.15	5.07	4.83	0.00	29.75	5.07	4.83	0.00
27.20	5.07	4.83	0.00	29.80	5.07	4.83	0.00
27.25	5.07	4.83	0.00	29.85	5.07	4.83	0.00
27.30	5.07	4.83	0.00	29.90	5.07	4.83	0.00
27.35	5.07	4.83	0.00	29.95	5.07	4.83	0.00
27.40	5.07	4.83	0.00	30.00	5.07	4.83	0.00
27.45	5.07	4.83	0.00	30.05	5.07	4.83	0.00
27.50	5.07	4.83	0.00	30.10	5.07	4.83	0.00
27.55	5.07	4.83	0.00	30.15	5.07	4.83	0.00
27.60	5.07	4.83	0.00	30.20	5.07	4.83	0.00
27.65	5.07	4.83	0.00	30.25	5.07	4.83	0.00
27.70	5.07	4.83	0.00	30.30	5.07	4.83	0.00
27.75	5.07	4.83	0.00	30.35	5.07	4.83	0.00
27.80	5.07	4.83	0.00	30.40	5.07	4.83	0.00
27.85	5.07	4.83	0.00	30.45	5.07	4.83	0.00
27.90	5.07	4.83	0.00	30.50	5.07	4.83	0.00
27.95	5.07	4.83	0.00	30.55	5.07	4.83	0.00
28.00	5.07	4.83	0.00	30.60	5.07	4.83	0.00
28.05	5.07	4.83	0.00	30.65	5.07	4.83	0.00
28.10	5.07	4.83	0.00	30.70	5.07	4.83	0.00
28.15	5.07	4.83	0.00	30.75	5.07	4.83	0.00
28.20	5.07	4.83	0.00	30.80	5.07	4.83	0.00
28.25	5.07	4.83	0.00	30.85	5.07	4.83	0.00
28.30	5.07	4.83	0.00	30.90	5.07	4.83	0.00
28.35	5.07	4.83	0.00	30.95	5.07	4.83	0.00
28.40	5.07	4.83	0.00	31.00	5.07	4.83	0.00
28.45	5.07	4.83	0.00	31.05	5.07	4.83	0.00
28.50	5.07	4.83	0.00	31.10	5.07	4.83	0.00
28.55	5.07	4.83	0.00	31.15	5.07	4.83	0.00

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	4.83	0.00	33.80	5.07	4.83	0.00
31.25	5.07	4.83	0.00	33.85	5.07	4.83	0.00
31.30	5.07	4.83	0.00	33.90	5.07	4.83	0.00
31.35	5.07	4.83	0.00	33.95	5.07	4.83	0.00
31.40	5.07	4.83	0.00	34.00	5.07	4.83	0.00
31.45	5.07	4.83	0.00	34.05	5.07	4.83	0.00
31.50	5.07	4.83	0.00	34.10	5.07	4.83	0.00
31.55	5.07	4.83	0.00	34.15	5.07	4.83	0.00
31.60	5.07	4.83	0.00	34.20	5.07	4.83	0.00
31.65	5.07	4.83	0.00	34.25	5.07	4.83	0.00
31.70	5.07	4.83	0.00	34.30	5.07	4.83	0.00
31.75	5.07	4.83	0.00	34.35	5.07	4.83	0.00
31.80	5.07	4.83	0.00	34.40	5.07	4.83	0.00
31.85	5.07	4.83	0.00	34.45	5.07	4.83	0.00
31.90	5.07	4.83	0.00	34.50	5.07	4.83	0.00
31.95	5.07	4.83	0.00	34.55	5.07	4.83	0.00
32.00	5.07	4.83	0.00	34.60	5.07	4.83	0.00
32.05	5.07	4.83	0.00	34.65	5.07	4.83	0.00
32.10	5.07	4.83	0.00	34.70	5.07	4.83	0.00
32.15	5.07	4.83	0.00	34.75	5.07	4.83	0.00
32.20	5.07	4.83	0.00	34.80	5.07	4.83	0.00
32.25	5.07	4.83	0.00	34.85	5.07	4.83	0.00
32.30	5.07	4.83	0.00	34.90	5.07	4.83	0.00
32.35	5.07	4.83	0.00	34.95	5.07	4.83	0.00
32.40	5.07	4.83	0.00	35.00	5.07	4.83	0.00
32.45	5.07	4.83	0.00	35.05	5.07	4.83	0.00
32.50	5.07	4.83	0.00	35.10	5.07	4.83	0.00
32.55	5.07	4.83	0.00	35.15	5.07	4.83	0.00
32.60	5.07	4.83	0.00	35.20	5.07	4.83	0.00
32.65	5.07	4.83	0.00	35.25	5.07	4.83	0.00
32.70	5.07	4.83	0.00	35.30	5.07	4.83	0.00
32.75	5.07	4.83	0.00	35.35	5.07	4.83	0.00
32.80	5.07	4.83	0.00	35.40	5.07	4.83	0.00
32.85	5.07	4.83	0.00	35.45	5.07	4.83	0.00
32.90	5.07	4.83	0.00	35.50	5.07	4.83	0.00
32.95	5.07	4.83	0.00	35.55	5.07	4.83	0.00
33.00	5.07	4.83	0.00	35.60	5.07	4.83	0.00
33.05	5.07	4.83	0.00	35.65	5.07	4.83	0.00
33.10	5.07	4.83	0.00	35.70	5.07	4.83	0.00
33.15	5.07	4.83	0.00	35.75	5.07	4.83	0.00
33.20	5.07	4.83	0.00	35.80	5.07	4.83	0.00
33.25	5.07	4.83	0.00	35.85	5.07	4.83	0.00
33.30	5.07	4.83	0.00	35.90	5.07	4.83	0.00
33.35	5.07	4.83	0.00	35.95	5.07	4.83	0.00
33.40	5.07	4.83	0.00	36.00	5.07	4.83	0.00
33.45	5.07	4.83	0.00	36.05	5.07	4.83	0.00
33.50	5.07	4.83	0.00	36.10	5.07	4.83	0.00
33.55	5.07	4.83	0.00	36.15	5.07	4.83	0.00
33.60	5.07	4.83	0.00	36.20	5.07	4.83	0.00
33.65	5.07	4.83	0.00	36.25	5.07	4.83	0.00
33.70	5.07	4.83	0.00	36.30	5.07	4.83	0.00
33.75	5.07	4.83	0.00	36.35	5.07	4.83	0.00

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	4.83	0.00
36.45	5.07	4.83	0.00
36.50	5.07	4.83	0.00
36.55	5.07	4.83	0.00
36.60	5.07	4.83	0.00
36.65	5.07	4.83	0.00
36.70	5.07	4.83	0.00
36.75	5.07	4.83	0.00
36.80	5.07	4.83	0.00
36.85	5.07	4.83	0.00
36.90	5.07	4.83	0.00
36.95	5.07	4.83	0.00
37.00	5.07	4.83	0.00
37.05	5.07	4.83	0.00
37.10	5.07	4.83	0.00
37.15	5.07	4.83	0.00
37.20	5.07	4.83	0.00
37.25	5.07	4.83	0.00
37.30	5.07	4.83	0.00
37.35	5.07	4.83	0.00
37.40	5.07	4.83	0.00
37.45	5.07	4.83	0.00
37.50	5.07	4.83	0.00
37.55	5.07	4.83	0.00
37.60	5.07	4.83	0.00
37.65	5.07	4.83	0.00
37.70	5.07	4.83	0.00
37.75	5.07	4.83	0.00
37.80	5.07	4.83	0.00
37.85	5.07	4.83	0.00
37.90	5.07	4.83	0.00
37.95	5.07	4.83	0.00
38.00	5.07	4.83	0.00
38.05	5.07	4.83	0.00
38.10	5.07	4.83	0.00
38.15	5.07	4.83	0.00
38.20	5.07	4.83	0.00
38.25	5.07	4.83	0.00
38.30	5.07	4.83	0.00
38.35	5.07	4.83	0.00
38.40	5.07	4.83	0.00
38.45	5.07	4.83	0.00
38.50	5.07	4.83	0.00
38.55	5.07	4.83	0.00
38.60	5.07	4.83	0.00
38.65	5.07	4.83	0.00
38.70	5.07	4.83	0.00
38.75	5.07	4.83	0.00
38.80	5.07	4.83	0.00
38.85	5.07	4.83	0.00
38.90	5.07	4.83	0.00
38.95	5.07	4.83	0.00
39.00	5.07	4.83	0.00
39.05	5.07	4.83	0.00
39.10	5.07	4.83	0.00
39.15	5.07	4.83	0.00
39.20	5.07	4.83	0.00
39.25	5.07	4.83	0.00
39.30	5.07	4.83	0.00
39.35	5.07	4.83	0.00
39.40	5.07	4.83	0.00
39.45	5.07	4.83	0.00
39.50	5.07	4.83	0.00
39.55	5.07	4.83	0.00
39.60	5.07	4.83	0.00
39.65	5.07	4.83	0.00
39.70	5.07	4.83	0.00
39.75	5.07	4.83	0.00
39.80	5.07	4.83	0.00
39.85	5.07	4.83	0.00
39.90	5.07	4.83	0.00
39.95	5.07	4.83	0.00
40.00	5.07	4.83	0.00

Summary for Subcatchment 52P: PDA-52 (pervious)

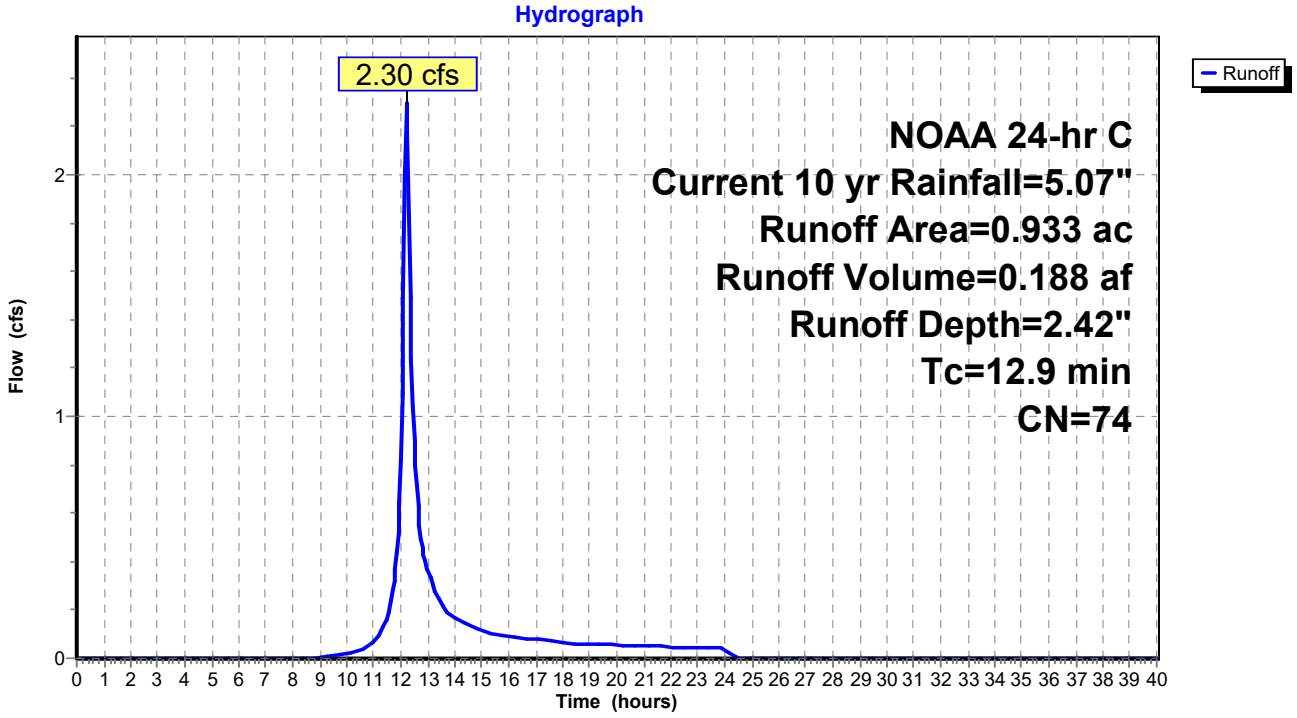
Runoff = 2.30 cfs @ 12.21 hrs, Volume= 0.188 af, Depth= 2.42"
Routed to Pond B-52 : Basin #52

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
0.933	74	>75% Grass cover, Good, HSG C
0.933		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.9					**Direct Entry,**

Subcatchment 52P: PDA-52 (pervious)



Hydrograph for Subcatchment 52P: PDA-52 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.00
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.00
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.00
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.00
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.00
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.00
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.01
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.01
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.01
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.01
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.01
7.00	0.49	0.00	0.00	9.60	0.84	0.01	0.01
7.05	0.50	0.00	0.00	9.65	0.85	0.01	0.01
7.10	0.50	0.00	0.00	9.70	0.86	0.01	0.01
7.15	0.51	0.00	0.00	9.75	0.87	0.01	0.01
7.20	0.52	0.00	0.00	9.80	0.88	0.01	0.01
7.25	0.52	0.00	0.00	9.85	0.89	0.01	0.01
7.30	0.53	0.00	0.00	9.90	0.90	0.01	0.02
7.35	0.53	0.00	0.00	9.95	0.91	0.01	0.02
7.40	0.54	0.00	0.00	10.00	0.92	0.01	0.02
7.45	0.54	0.00	0.00	10.05	0.94	0.01	0.02
7.50	0.55	0.00	0.00	10.10	0.95	0.02	0.02
7.55	0.55	0.00	0.00	10.15	0.96	0.02	0.02
7.60	0.56	0.00	0.00	10.20	0.97	0.02	0.02
7.65	0.57	0.00	0.00	10.25	0.98	0.02	0.03
7.70	0.57	0.00	0.00	10.30	0.99	0.02	0.03
7.75	0.58	0.00	0.00	10.35	1.01	0.02	0.03

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.03	0.03	13.00	3.85	1.49	0.36
10.45	1.03	0.03	0.03	13.05	3.87	1.50	0.34
10.50	1.04	0.03	0.03	13.10	3.89	1.52	0.33
10.55	1.06	0.03	0.04	13.15	3.91	1.53	0.31
10.60	1.07	0.04	0.04	13.20	3.93	1.55	0.29
10.65	1.09	0.04	0.04	13.25	3.95	1.56	0.28
10.70	1.10	0.04	0.04	13.30	3.97	1.57	0.27
10.75	1.12	0.04	0.05	13.35	3.98	1.58	0.26
10.80	1.14	0.05	0.05	13.40	4.00	1.59	0.25
10.85	1.16	0.05	0.06	13.45	4.01	1.60	0.24
10.90	1.18	0.06	0.06	13.50	4.03	1.61	0.23
10.95	1.20	0.06	0.07	13.55	4.04	1.62	0.22
11.00	1.22	0.07	0.07	13.60	4.05	1.63	0.21
11.05	1.24	0.07	0.08	13.65	4.06	1.64	0.20
11.10	1.26	0.08	0.08	13.70	4.08	1.65	0.19
11.15	1.29	0.08	0.09	13.75	4.09	1.66	0.18
11.20	1.31	0.09	0.10	13.80	4.10	1.67	0.18
11.25	1.34	0.10	0.11	13.85	4.11	1.68	0.17
11.30	1.37	0.11	0.12	13.90	4.12	1.69	0.17
11.35	1.40	0.12	0.13	13.95	4.13	1.70	0.17
11.40	1.43	0.13	0.14	14.00	4.15	1.70	0.17
11.45	1.47	0.14	0.15	14.05	4.16	1.71	0.16
11.50	1.50	0.15	0.16	14.10	4.17	1.72	0.16
11.55	1.55	0.16	0.18	14.15	4.18	1.73	0.16
11.60	1.60	0.18	0.20	14.20	4.19	1.74	0.16
11.65	1.65	0.20	0.24	14.25	4.20	1.74	0.15
11.70	1.71	0.22	0.28	14.30	4.21	1.75	0.15
11.75	1.78	0.25	0.32	14.35	4.22	1.76	0.15
11.80	1.86	0.29	0.37	14.40	4.23	1.77	0.15
11.85	1.96	0.33	0.43	14.45	4.24	1.77	0.14
11.90	2.06	0.38	0.52	14.50	4.25	1.78	0.14
11.95	2.24	0.47	0.64	14.55	4.26	1.79	0.14
12.00	2.42	0.56	0.82	14.60	4.27	1.79	0.14
12.05	2.71	0.73	1.09	14.65	4.27	1.80	0.13
12.10	3.01	0.91	1.49	14.70	4.28	1.81	0.13
12.15	3.11	0.98	1.99	14.75	4.29	1.81	0.13
12.20	3.21	1.05	**2.28**	14.80	4.30	1.82	0.12
12.25	3.29	1.10	2.18	14.85	4.31	1.82	0.12
12.30	3.36	1.15	1.83	14.90	4.31	1.83	0.12
12.35	3.42	1.18	1.49	14.95	4.32	1.84	0.12
12.40	3.47	1.22	1.24	15.00	4.33	1.84	0.11
12.45	3.52	1.25	1.04	15.05	4.34	1.85	0.11
12.50	3.57	1.29	0.90	15.10	4.34	1.85	0.11
12.55	3.60	1.31	0.80	15.15	4.35	1.86	0.11
12.60	3.64	1.34	0.72	15.20	4.36	1.86	0.10
12.65	3.67	1.36	0.63	15.25	4.36	1.87	0.10
12.70	3.70	1.38	0.55	15.30	4.37	1.87	0.10
12.75	3.73	1.40	0.49	15.35	4.38	1.88	0.10
12.80	3.76	1.42	0.45	15.40	4.39	1.88	0.10
12.85	3.78	1.44	0.43	15.45	4.39	1.89	0.10
12.90	3.81	1.46	0.40	15.50	4.40	1.89	0.10
12.95	3.83	1.47	0.38	15.55	4.41	1.90	0.10

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	1.90	0.10	18.20	4.68	2.12	0.06
15.65	4.42	1.91	0.10	18.25	4.69	2.12	0.06
15.70	4.42	1.91	0.10	18.30	4.69	2.12	0.06
15.75	4.43	1.92	0.09	18.35	4.70	2.12	0.06
15.80	4.44	1.92	0.09	18.40	4.70	2.13	0.06
15.85	4.44	1.93	0.09	18.45	4.70	2.13	0.06
15.90	4.45	1.93	0.09	18.50	4.71	2.13	0.06
15.95	4.46	1.94	0.09	18.55	4.71	2.14	0.06
16.00	4.46	1.94	0.09	18.60	4.72	2.14	0.06
16.05	4.47	1.95	0.09	18.65	4.72	2.14	0.06
16.10	4.47	1.95	0.09	18.70	4.72	2.15	0.06
16.15	4.48	1.96	0.09	18.75	4.73	2.15	0.06
16.20	4.49	1.96	0.09	18.80	4.73	2.15	0.06
16.25	4.49	1.97	0.09	18.85	4.74	2.16	0.06
16.30	4.50	1.97	0.09	18.90	4.74	2.16	0.06
16.35	4.50	1.98	0.09	18.95	4.74	2.16	0.06
16.40	4.51	1.98	0.09	19.00	4.75	2.16	0.06
16.45	4.52	1.98	0.09	19.05	4.75	2.17	0.06
16.50	4.52	1.99	0.08	19.10	4.76	2.17	0.06
16.55	4.53	1.99	0.08	19.15	4.76	2.17	0.06
16.60	4.53	2.00	0.08	19.20	4.76	2.18	0.06
16.65	4.54	2.00	0.08	19.25	4.77	2.18	0.06
16.70	4.54	2.01	0.08	19.30	4.77	2.18	0.06
16.75	4.55	2.01	0.08	19.35	4.77	2.19	0.06
16.80	4.55	2.01	0.08	19.40	4.78	2.19	0.06
16.85	4.56	2.02	0.08	19.45	4.78	2.19	0.06
16.90	4.57	2.02	0.08	19.50	4.79	2.19	0.06
16.95	4.57	2.03	0.08	19.55	4.79	2.20	0.06
17.00	4.58	2.03	0.08	19.60	4.79	2.20	0.06
17.05	4.58	2.03	0.08	19.65	4.80	2.20	0.06
17.10	4.59	2.04	0.08	19.70	4.80	2.21	0.05
17.15	4.59	2.04	0.08	19.75	4.80	2.21	0.05
17.20	4.60	2.05	0.07	19.80	4.81	2.21	0.05
17.25	4.60	2.05	0.07	19.85	4.81	2.21	0.05
17.30	4.61	2.05	0.07	19.90	4.81	2.22	0.05
17.35	4.61	2.06	0.07	19.95	4.82	2.22	0.05
17.40	4.61	2.06	0.07	20.00	4.82	2.22	0.05
17.45	4.62	2.06	0.07	20.05	4.83	2.23	0.05
17.50	4.62	2.07	0.07	20.10	4.83	2.23	0.05
17.55	4.63	2.07	0.07	20.15	4.83	2.23	0.05
17.60	4.63	2.08	0.07	20.20	4.84	2.23	0.05
17.65	4.64	2.08	0.07	20.25	4.84	2.24	0.05
17.70	4.64	2.08	0.07	20.30	4.84	2.24	0.05
17.75	4.65	2.09	0.07	20.35	4.85	2.24	0.05
17.80	4.65	2.09	0.07	20.40	4.85	2.25	0.05
17.85	4.66	2.09	0.07	20.45	4.85	2.25	0.05
17.90	4.66	2.10	0.06	20.50	4.86	2.25	0.05
17.95	4.66	2.10	0.06	20.55	4.86	2.25	0.05
18.00	4.67	2.10	0.06	20.60	4.86	2.26	0.05
18.05	4.67	2.11	0.06	20.65	4.87	2.26	0.05
18.10	4.68	2.11	0.06	20.70	4.87	2.26	0.05
18.15	4.68	2.11	0.06	20.75	4.87	2.26	0.05

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	2.27	0.05	23.40	5.04	2.39	0.04
20.85	4.88	2.27	0.05	23.45	5.04	2.40	0.04
20.90	4.88	2.27	0.05	23.50	5.04	2.40	0.04
20.95	4.89	2.28	0.05	23.55	5.04	2.40	0.04
21.00	4.89	2.28	0.05	23.60	5.05	2.40	0.04
21.05	4.89	2.28	0.05	23.65	5.05	2.40	0.04
21.10	4.90	2.28	0.05	23.70	5.05	2.41	0.04
21.15	4.90	2.29	0.05	23.75	5.06	2.41	0.04
21.20	4.90	2.29	0.05	23.80	5.06	2.41	0.04
21.25	4.91	2.29	0.05	23.85	5.06	2.41	0.04
21.30	4.91	2.29	0.05	23.90	5.06	2.42	0.04
21.35	4.91	2.30	0.05	23.95	5.07	2.42	0.04
21.40	4.92	2.30	0.05	24.00	**5.07**	**2.42**	0.04
21.45	4.92	2.30	0.05	24.05	5.07	2.42	0.04
21.50	4.92	2.30	0.05	24.10	5.07	2.42	0.04
21.55	4.93	2.31	0.05	24.15	5.07	2.42	0.03
21.60	4.93	2.31	0.05	24.20	5.07	2.42	0.02
21.65	4.93	2.31	0.05	24.25	5.07	2.42	0.01
21.70	4.94	2.31	0.05	24.30	5.07	2.42	0.01
21.75	4.94	2.32	0.05	24.35	5.07	2.42	0.00
21.80	4.94	2.32	0.05	24.40	5.07	2.42	0.00
21.85	4.95	2.32	0.05	24.45	5.07	2.42	0.00
21.90	4.95	2.32	0.05	24.50	5.07	2.42	0.00
21.95	4.95	2.33	0.05	24.55	5.07	2.42	0.00
22.00	4.96	2.33	0.05	24.60	5.07	2.42	0.00
22.05	4.96	2.33	0.05	24.65	5.07	2.42	0.00
22.10	4.96	2.33	0.05	24.70	5.07	2.42	0.00
22.15	4.96	2.34	0.05	24.75	5.07	2.42	0.00
22.20	4.97	2.34	0.05	24.80	5.07	2.42	0.00
22.25	4.97	2.34	0.05	24.85	5.07	2.42	0.00
22.30	4.97	2.34	0.05	24.90	5.07	2.42	0.00
22.35	4.98	2.35	0.05	24.95	5.07	2.42	0.00
22.40	4.98	2.35	0.05	25.00	5.07	2.42	0.00
22.45	4.98	2.35	0.05	25.05	5.07	2.42	0.00
22.50	4.99	2.35	0.05	25.10	5.07	2.42	0.00
22.55	4.99	2.36	0.04	25.15	5.07	2.42	0.00
22.60	4.99	2.36	0.04	25.20	5.07	2.42	0.00
22.65	4.99	2.36	0.04	25.25	5.07	2.42	0.00
22.70	5.00	2.36	0.04	25.30	5.07	2.42	0.00
22.75	5.00	2.36	0.04	25.35	5.07	2.42	0.00
22.80	5.00	2.37	0.04	25.40	5.07	2.42	0.00
22.85	5.01	2.37	0.04	25.45	5.07	2.42	0.00
22.90	5.01	2.37	0.04	25.50	5.07	2.42	0.00
22.95	5.01	2.37	0.04	25.55	5.07	2.42	0.00
23.00	5.01	2.38	0.04	25.60	5.07	2.42	0.00
23.05	5.02	2.38	0.04	25.65	5.07	2.42	0.00
23.10	5.02	2.38	0.04	25.70	5.07	2.42	0.00
23.15	5.02	2.38	0.04	25.75	5.07	2.42	0.00
23.20	5.03	2.38	0.04	25.80	5.07	2.42	0.00
23.25	5.03	2.39	0.04	25.85	5.07	2.42	0.00
23.30	5.03	2.39	0.04	25.90	5.07	2.42	0.00
23.35	5.03	2.39	0.04	25.95	5.07	2.42	0.00

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	2.42	0.00	28.60	5.07	2.42	0.00
26.05	5.07	2.42	0.00	28.65	5.07	2.42	0.00
26.10	5.07	2.42	0.00	28.70	5.07	2.42	0.00
26.15	5.07	2.42	0.00	28.75	5.07	2.42	0.00
26.20	5.07	2.42	0.00	28.80	5.07	2.42	0.00
26.25	5.07	2.42	0.00	28.85	5.07	2.42	0.00
26.30	5.07	2.42	0.00	28.90	5.07	2.42	0.00
26.35	5.07	2.42	0.00	28.95	5.07	2.42	0.00
26.40	5.07	2.42	0.00	29.00	5.07	2.42	0.00
26.45	5.07	2.42	0.00	29.05	5.07	2.42	0.00
26.50	5.07	2.42	0.00	29.10	5.07	2.42	0.00
26.55	5.07	2.42	0.00	29.15	5.07	2.42	0.00
26.60	5.07	2.42	0.00	29.20	5.07	2.42	0.00
26.65	5.07	2.42	0.00	29.25	5.07	2.42	0.00
26.70	5.07	2.42	0.00	29.30	5.07	2.42	0.00
26.75	5.07	2.42	0.00	29.35	5.07	2.42	0.00
26.80	5.07	2.42	0.00	29.40	5.07	2.42	0.00
26.85	5.07	2.42	0.00	29.45	5.07	2.42	0.00
26.90	5.07	2.42	0.00	29.50	5.07	2.42	0.00
26.95	5.07	2.42	0.00	29.55	5.07	2.42	0.00
27.00	5.07	2.42	0.00	29.60	5.07	2.42	0.00
27.05	5.07	2.42	0.00	29.65	5.07	2.42	0.00
27.10	5.07	2.42	0.00	29.70	5.07	2.42	0.00
27.15	5.07	2.42	0.00	29.75	5.07	2.42	0.00
27.20	5.07	2.42	0.00	29.80	5.07	2.42	0.00
27.25	5.07	2.42	0.00	29.85	5.07	2.42	0.00
27.30	5.07	2.42	0.00	29.90	5.07	2.42	0.00
27.35	5.07	2.42	0.00	29.95	5.07	2.42	0.00
27.40	5.07	2.42	0.00	30.00	5.07	2.42	0.00
27.45	5.07	2.42	0.00	30.05	5.07	2.42	0.00
27.50	5.07	2.42	0.00	30.10	5.07	2.42	0.00
27.55	5.07	2.42	0.00	30.15	5.07	2.42	0.00
27.60	5.07	2.42	0.00	30.20	5.07	2.42	0.00
27.65	5.07	2.42	0.00	30.25	5.07	2.42	0.00
27.70	5.07	2.42	0.00	30.30	5.07	2.42	0.00
27.75	5.07	2.42	0.00	30.35	5.07	2.42	0.00
27.80	5.07	2.42	0.00	30.40	5.07	2.42	0.00
27.85	5.07	2.42	0.00	30.45	5.07	2.42	0.00
27.90	5.07	2.42	0.00	30.50	5.07	2.42	0.00
27.95	5.07	2.42	0.00	30.55	5.07	2.42	0.00
28.00	5.07	2.42	0.00	30.60	5.07	2.42	0.00
28.05	5.07	2.42	0.00	30.65	5.07	2.42	0.00
28.10	5.07	2.42	0.00	30.70	5.07	2.42	0.00
28.15	5.07	2.42	0.00	30.75	5.07	2.42	0.00
28.20	5.07	2.42	0.00	30.80	5.07	2.42	0.00
28.25	5.07	2.42	0.00	30.85	5.07	2.42	0.00
28.30	5.07	2.42	0.00	30.90	5.07	2.42	0.00
28.35	5.07	2.42	0.00	30.95	5.07	2.42	0.00
28.40	5.07	2.42	0.00	31.00	5.07	2.42	0.00
28.45	5.07	2.42	0.00	31.05	5.07	2.42	0.00
28.50	5.07	2.42	0.00	31.10	5.07	2.42	0.00
28.55	5.07	2.42	0.00	31.15	5.07	2.42	0.00

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	2.42	0.00	33.80	5.07	2.42	0.00
31.25	5.07	2.42	0.00	33.85	5.07	2.42	0.00
31.30	5.07	2.42	0.00	33.90	5.07	2.42	0.00
31.35	5.07	2.42	0.00	33.95	5.07	2.42	0.00
31.40	5.07	2.42	0.00	34.00	5.07	2.42	0.00
31.45	5.07	2.42	0.00	34.05	5.07	2.42	0.00
31.50	5.07	2.42	0.00	34.10	5.07	2.42	0.00
31.55	5.07	2.42	0.00	34.15	5.07	2.42	0.00
31.60	5.07	2.42	0.00	34.20	5.07	2.42	0.00
31.65	5.07	2.42	0.00	34.25	5.07	2.42	0.00
31.70	5.07	2.42	0.00	34.30	5.07	2.42	0.00
31.75	5.07	2.42	0.00	34.35	5.07	2.42	0.00
31.80	5.07	2.42	0.00	34.40	5.07	2.42	0.00
31.85	5.07	2.42	0.00	34.45	5.07	2.42	0.00
31.90	5.07	2.42	0.00	34.50	5.07	2.42	0.00
31.95	5.07	2.42	0.00	34.55	5.07	2.42	0.00
32.00	5.07	2.42	0.00	34.60	5.07	2.42	0.00
32.05	5.07	2.42	0.00	34.65	5.07	2.42	0.00
32.10	5.07	2.42	0.00	34.70	5.07	2.42	0.00
32.15	5.07	2.42	0.00	34.75	5.07	2.42	0.00
32.20	5.07	2.42	0.00	34.80	5.07	2.42	0.00
32.25	5.07	2.42	0.00	34.85	5.07	2.42	0.00
32.30	5.07	2.42	0.00	34.90	5.07	2.42	0.00
32.35	5.07	2.42	0.00	34.95	5.07	2.42	0.00
32.40	5.07	2.42	0.00	35.00	5.07	2.42	0.00
32.45	5.07	2.42	0.00	35.05	5.07	2.42	0.00
32.50	5.07	2.42	0.00	35.10	5.07	2.42	0.00
32.55	5.07	2.42	0.00	35.15	5.07	2.42	0.00
32.60	5.07	2.42	0.00	35.20	5.07	2.42	0.00
32.65	5.07	2.42	0.00	35.25	5.07	2.42	0.00
32.70	5.07	2.42	0.00	35.30	5.07	2.42	0.00
32.75	5.07	2.42	0.00	35.35	5.07	2.42	0.00
32.80	5.07	2.42	0.00	35.40	5.07	2.42	0.00
32.85	5.07	2.42	0.00	35.45	5.07	2.42	0.00
32.90	5.07	2.42	0.00	35.50	5.07	2.42	0.00
32.95	5.07	2.42	0.00	35.55	5.07	2.42	0.00
33.00	5.07	2.42	0.00	35.60	5.07	2.42	0.00
33.05	5.07	2.42	0.00	35.65	5.07	2.42	0.00
33.10	5.07	2.42	0.00	35.70	5.07	2.42	0.00
33.15	5.07	2.42	0.00	35.75	5.07	2.42	0.00
33.20	5.07	2.42	0.00	35.80	5.07	2.42	0.00
33.25	5.07	2.42	0.00	35.85	5.07	2.42	0.00
33.30	5.07	2.42	0.00	35.90	5.07	2.42	0.00
33.35	5.07	2.42	0.00	35.95	5.07	2.42	0.00
33.40	5.07	2.42	0.00	36.00	5.07	2.42	0.00
33.45	5.07	2.42	0.00	36.05	5.07	2.42	0.00
33.50	5.07	2.42	0.00	36.10	5.07	2.42	0.00
33.55	5.07	2.42	0.00	36.15	5.07	2.42	0.00
33.60	5.07	2.42	0.00	36.20	5.07	2.42	0.00
33.65	5.07	2.42	0.00	36.25	5.07	2.42	0.00
33.70	5.07	2.42	0.00	36.30	5.07	2.42	0.00
33.75	5.07	2.42	0.00	36.35	5.07	2.42	0.00

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	2.42	0.00
36.45	5.07	2.42	0.00
36.50	5.07	2.42	0.00
36.55	5.07	2.42	0.00
36.60	5.07	2.42	0.00
36.65	5.07	2.42	0.00
36.70	5.07	2.42	0.00
36.75	5.07	2.42	0.00
36.80	5.07	2.42	0.00
36.85	5.07	2.42	0.00
36.90	5.07	2.42	0.00
36.95	5.07	2.42	0.00
37.00	5.07	2.42	0.00
37.05	5.07	2.42	0.00
37.10	5.07	2.42	0.00
37.15	5.07	2.42	0.00
37.20	5.07	2.42	0.00
37.25	5.07	2.42	0.00
37.30	5.07	2.42	0.00
37.35	5.07	2.42	0.00
37.40	5.07	2.42	0.00
37.45	5.07	2.42	0.00
37.50	5.07	2.42	0.00
37.55	5.07	2.42	0.00
37.60	5.07	2.42	0.00
37.65	5.07	2.42	0.00
37.70	5.07	2.42	0.00
37.75	5.07	2.42	0.00
37.80	5.07	2.42	0.00
37.85	5.07	2.42	0.00
37.90	5.07	2.42	0.00
37.95	5.07	2.42	0.00
38.00	5.07	2.42	0.00
38.05	5.07	2.42	0.00
38.10	5.07	2.42	0.00
38.15	5.07	2.42	0.00
38.20	5.07	2.42	0.00
38.25	5.07	2.42	0.00
38.30	5.07	2.42	0.00
38.35	5.07	2.42	0.00
38.40	5.07	2.42	0.00
38.45	5.07	2.42	0.00
38.50	5.07	2.42	0.00
38.55	5.07	2.42	0.00
38.60	5.07	2.42	0.00
38.65	5.07	2.42	0.00
38.70	5.07	2.42	0.00
38.75	5.07	2.42	0.00
38.80	5.07	2.42	0.00
38.85	5.07	2.42	0.00
38.90	5.07	2.42	0.00
38.95	5.07	2.42	0.00
39.00	5.07	2.42	0.00
39.05	5.07	2.42	0.00
39.10	5.07	2.42	0.00
39.15	5.07	2.42	0.00
39.20	5.07	2.42	0.00
39.25	5.07	2.42	0.00
39.30	5.07	2.42	0.00
39.35	5.07	2.42	0.00
39.40	5.07	2.42	0.00
39.45	5.07	2.42	0.00
39.50	5.07	2.42	0.00
39.55	5.07	2.42	0.00
39.60	5.07	2.42	0.00
39.65	5.07	2.42	0.00
39.70	5.07	2.42	0.00
39.75	5.07	2.42	0.00
39.80	5.07	2.42	0.00
39.85	5.07	2.42	0.00
39.90	5.07	2.42	0.00
39.95	5.07	2.42	0.00
40.00	5.07	2.42	0.00

Summary for Subcatchment 53I: PDA-53 (impervious)

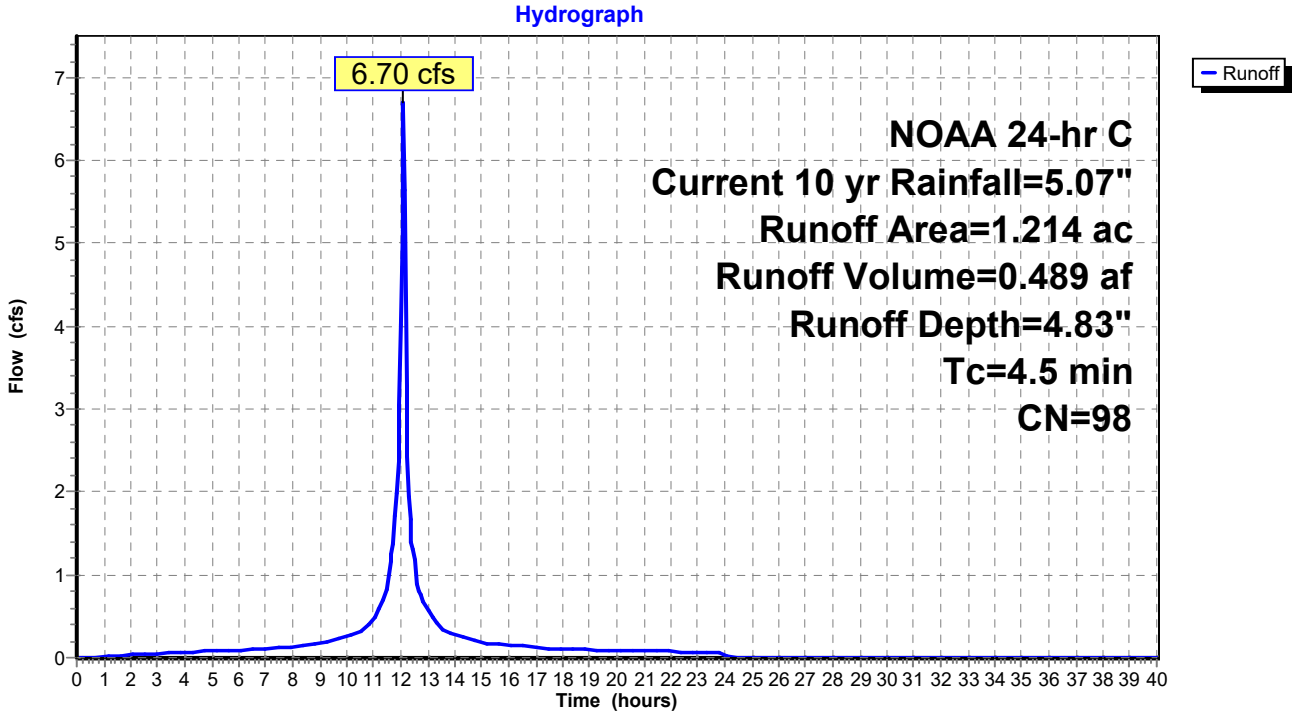
Runoff = 6.70 cfs @ 12.10 hrs, Volume= 0.489 af, Depth= 4.83"
Routed to Pond B-53 : Basin #53

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

	Area (ac)	CN	Description
*	0.628	98	Pavement, HSG C
*	0.450	98	Roof, HSG C
*	0.136	98	Concrete, HSG C
	1.214	98	Weighted Average
	1.214		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
4.5					**Direct Entry,**

Subcatchment 53I: PDA-53 (impervious)



Hydrograph for Subcatchment 53I: PDA-53 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.04	0.04
0.05	0.00	0.00	0.00	2.65	0.16	0.04	0.05
0.10	0.01	0.00	0.00	2.70	0.16	0.04	0.05
0.15	0.01	0.00	0.00	2.75	0.16	0.05	0.05
0.20	0.01	0.00	0.00	2.80	0.17	0.05	0.05
0.25	0.01	0.00	0.00	2.85	0.17	0.05	0.05
0.30	0.02	0.00	0.00	2.90	0.17	0.05	0.05
0.35	0.02	0.00	0.00	2.95	0.18	0.05	0.05
0.40	0.02	0.00	0.00	3.00	0.18	0.06	0.05
0.45	0.03	0.00	0.00	3.05	0.18	0.06	0.05
0.50	0.03	0.00	0.00	3.10	0.19	0.06	0.05
0.55	0.03	0.00	0.00	3.15	0.19	0.06	0.05
0.60	0.03	0.00	0.00	3.20	0.19	0.06	0.05
0.65	0.04	0.00	0.00	3.25	0.20	0.07	0.06
0.70	0.04	0.00	0.00	3.30	0.20	0.07	0.06
0.75	0.04	0.00	0.00	3.35	0.20	0.07	0.06
0.80	0.04	0.00	0.00	3.40	0.21	0.07	0.06
0.85	0.05	0.00	0.00	3.45	0.21	0.08	0.06
0.90	0.05	0.00	0.00	3.50	0.21	0.08	0.06
0.95	0.05	0.00	0.00	3.55	0.22	0.08	0.06
1.00	0.06	0.00	0.01	3.60	0.22	0.08	0.06
1.05	0.06	0.00	0.01	3.65	0.22	0.09	0.06
1.10	0.06	0.00	0.01	3.70	0.23	0.09	0.06
1.15	0.06	0.00	0.01	3.75	0.23	0.09	0.06
1.20	0.07	0.00	0.01	3.80	0.23	0.09	0.06
1.25	0.07	0.00	0.01	3.85	0.24	0.10	0.06
1.30	0.07	0.00	0.02	3.90	0.24	0.10	0.06
1.35	0.08	0.01	0.02	3.95	0.24	0.10	0.06
1.40	0.08	0.01	0.02	4.00	0.25	0.10	0.07
1.45	0.08	0.01	0.02	4.05	0.25	0.11	0.07
1.50	0.08	0.01	0.02	4.10	0.26	0.11	0.07
1.55	0.09	0.01	0.02	4.15	0.26	0.11	0.07
1.60	0.09	0.01	0.02	4.20	0.26	0.12	0.07
1.65	0.09	0.01	0.03	4.25	0.27	0.12	0.07
1.70	0.10	0.01	0.03	4.30	0.27	0.12	0.07
1.75	0.10	0.01	0.03	4.35	0.27	0.12	0.07
1.80	0.10	0.01	0.03	4.40	0.28	0.13	0.07
1.85	0.11	0.02	0.03	4.45	0.28	0.13	0.07
1.90	0.11	0.02	0.03	4.50	0.28	0.13	0.07
1.95	0.11	0.02	0.03	4.55	0.29	0.14	0.07
2.00	0.11	0.02	0.03	4.60	0.29	0.14	0.07
2.05	0.12	0.02	0.03	4.65	0.30	0.14	0.07
2.10	0.12	0.02	0.04	4.70	0.30	0.14	0.07
2.15	0.12	0.02	0.04	4.75	0.30	0.15	0.07
2.20	0.13	0.03	0.04	4.80	0.31	0.15	0.07
2.25	0.13	0.03	0.04	4.85	0.31	0.15	0.08
2.30	0.13	0.03	0.04	4.90	0.31	0.16	0.08
2.35	0.14	0.03	0.04	4.95	0.32	0.16	0.08
2.40	0.14	0.03	0.04	5.00	0.32	0.16	0.08
2.45	0.14	0.03	0.04	5.05	0.33	0.17	0.08
2.50	0.15	0.04	0.04	5.10	0.33	0.17	0.08
2.55	0.15	0.04	0.04	5.15	0.33	0.17	0.08

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.18	0.08	7.80	0.58	0.39	0.13
5.25	0.34	0.18	0.08	7.85	0.59	0.40	0.13
5.30	0.35	0.18	0.08	7.90	0.60	0.41	0.14
5.35	0.35	0.19	0.08	7.95	0.60	0.41	0.14
5.40	0.35	0.19	0.08	8.00	0.61	0.42	0.14
5.45	0.36	0.19	0.08	8.05	0.61	0.42	0.14
5.50	0.36	0.20	0.08	8.10	0.62	0.43	0.14
5.55	0.37	0.20	0.08	8.15	0.63	0.43	0.14
5.60	0.37	0.20	0.08	8.20	0.63	0.44	0.14
5.65	0.37	0.21	0.08	8.25	0.64	0.45	0.14
5.70	0.38	0.21	0.08	8.30	0.65	0.45	0.15
5.75	0.38	0.21	0.08	8.35	0.65	0.46	0.15
5.80	0.39	0.22	0.08	8.40	0.66	0.46	0.15
5.85	0.39	0.22	0.09	8.45	0.66	0.47	0.15
5.90	0.39	0.22	0.09	8.50	0.67	0.48	0.15
5.95	0.40	0.23	0.09	8.55	0.68	0.48	0.15
6.00	0.40	0.23	0.09	8.60	0.68	0.49	0.15
6.05	0.41	0.23	0.09	8.65	0.69	0.50	0.16
6.10	0.41	0.24	0.09	8.70	0.70	0.50	0.16
6.15	0.41	0.24	0.09	8.75	0.71	0.51	0.16
6.20	0.42	0.25	0.09	8.80	0.71	0.51	0.16
6.25	0.42	0.25	0.09	8.85	0.72	0.52	0.16
6.30	0.43	0.25	0.09	8.90	0.73	0.53	0.16
6.35	0.43	0.26	0.10	8.95	0.73	0.53	0.16
6.40	0.44	0.26	0.10	9.00	0.74	0.54	0.16
6.45	0.44	0.27	0.10	9.05	0.75	0.55	0.17
6.50	0.45	0.27	0.10	9.10	0.76	0.56	0.17
6.55	0.45	0.27	0.10	9.15	0.76	0.56	0.18
6.60	0.46	0.28	0.10	9.20	0.77	0.57	0.18
6.65	0.46	0.28	0.10	9.25	0.78	0.58	0.19
6.70	0.46	0.29	0.10	9.30	0.79	0.59	0.19
6.75	0.47	0.29	0.11	9.35	0.80	0.59	0.20
6.80	0.47	0.29	0.11	9.40	0.80	0.60	0.20
6.85	0.48	0.30	0.11	9.45	0.81	0.61	0.20
6.90	0.48	0.30	0.11	9.50	0.82	0.62	0.21
6.95	0.49	0.31	0.11	9.55	0.83	0.63	0.21
7.00	0.49	0.31	0.11	9.60	0.84	0.64	0.22
7.05	0.50	0.32	0.11	9.65	0.85	0.65	0.22
7.10	0.50	0.32	0.11	9.70	0.86	0.66	0.23
7.15	0.51	0.33	0.12	9.75	0.87	0.67	0.23
7.20	0.52	0.33	0.12	9.80	0.88	0.68	0.24
7.25	0.52	0.34	0.12	9.85	0.89	0.69	0.24
7.30	0.53	0.34	0.12	9.90	0.90	0.70	0.25
7.35	0.53	0.35	0.12	9.95	0.91	0.71	0.25
7.40	0.54	0.35	0.12	10.00	0.92	0.72	0.26
7.45	0.54	0.36	0.12	10.05	0.94	0.73	0.26
7.50	0.55	0.36	0.13	10.10	0.95	0.74	0.27
7.55	0.55	0.37	0.13	10.15	0.96	0.75	0.27
7.60	0.56	0.37	0.13	10.20	0.97	0.76	0.27
7.65	0.57	0.38	0.13	10.25	0.98	0.77	0.28
7.70	0.57	0.38	0.13	10.30	0.99	0.79	0.28
7.75	0.58	0.39	0.13	10.35	1.01	0.80	0.29

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.81	0.29	13.00	3.85	3.62	0.57
10.45	1.03	0.82	0.30	13.05	3.87	3.64	0.54
10.50	1.04	0.83	0.30	13.10	3.89	3.66	0.50
10.55	1.06	0.85	0.32	13.15	3.91	3.68	0.48
10.60	1.07	0.86	0.33	13.20	3.93	3.70	0.46
10.65	1.09	0.88	0.35	13.25	3.95	3.71	0.45
10.70	1.10	0.89	0.37	13.30	3.97	3.73	0.43
10.75	1.12	0.91	0.38	13.35	3.98	3.75	0.41
10.80	1.14	0.93	0.40	13.40	4.00	3.76	0.39
10.85	1.16	0.94	0.42	13.45	4.01	3.78	0.37
10.90	1.18	0.96	0.44	13.50	4.03	3.79	0.35
10.95	1.20	0.98	0.46	13.55	4.04	3.80	0.34
11.00	1.22	1.00	0.48	13.60	4.05	3.82	0.32
11.05	1.24	1.02	0.50	13.65	4.06	3.83	0.31
11.10	1.26	1.05	0.54	13.70	4.08	3.84	0.31
11.15	1.29	1.07	0.57	13.75	4.09	3.85	0.30
11.20	1.31	1.10	0.60	13.80	4.10	3.86	0.30
11.25	1.34	1.12	0.63	13.85	4.11	3.88	0.29
11.30	1.37	1.15	0.67	13.90	4.12	3.89	0.29
11.35	1.40	1.18	0.70	13.95	4.13	3.90	0.28
11.40	1.43	1.21	0.73	14.00	4.15	3.91	0.28
11.45	1.47	1.25	0.76	14.05	4.16	3.92	0.27
11.50	1.50	1.28	0.79	14.10	4.17	3.93	0.27
11.55	1.55	1.33	0.93	14.15	4.18	3.94	0.26
11.60	1.60	1.38	1.16	14.20	4.19	3.95	0.26
11.65	1.65	1.43	1.24	14.25	4.20	3.96	0.25
11.70	1.71	1.49	1.29	14.30	4.21	3.97	0.25
11.75	1.78	1.56	1.45	14.35	4.22	3.98	0.25
11.80	1.86	1.63	1.71	14.40	4.23	3.99	0.24
11.85	1.96	1.73	1.99	14.45	4.24	4.00	0.24
11.90	2.06	1.84	2.38	14.50	4.25	4.01	0.23
11.95	2.24	2.01	3.04	14.55	4.26	4.02	0.23
12.00	2.42	2.19	4.01	14.60	4.27	4.03	0.22
12.05	2.71	2.48	5.16	14.65	4.27	4.04	0.22
12.10	3.01	2.78	**6.69**	14.70	4.28	4.05	0.21
12.15	3.11	2.88	5.64	14.75	4.29	4.06	0.21
12.20	3.21	2.98	3.28	14.80	4.30	4.06	0.20
12.25	3.29	3.05	2.44	14.85	4.31	4.07	0.20
12.30	3.36	3.13	1.95	14.90	4.31	4.08	0.19
12.35	3.42	3.18	1.68	14.95	4.32	4.09	0.19
12.40	3.47	3.24	1.40	15.00	4.33	4.09	0.18
12.45	3.52	3.29	1.31	15.05	4.34	4.10	0.18
12.50	3.57	3.34	1.26	15.10	4.34	4.11	0.18
12.55	3.60	3.37	1.11	15.15	4.35	4.12	0.17
12.60	3.64	3.40	0.88	15.20	4.36	4.12	0.17
12.65	3.67	3.43	0.81	15.25	4.36	4.13	0.17
12.70	3.70	3.47	0.77	15.30	4.37	4.14	0.17
12.75	3.73	3.49	0.74	15.35	4.38	4.14	0.17
12.80	3.76	3.52	0.70	15.40	4.39	4.15	0.17
12.85	3.78	3.55	0.67	15.45	4.39	4.16	0.17
12.90	3.81	3.57	0.64	15.50	4.40	4.16	0.16
12.95	3.83	3.60	0.61	15.55	4.41	4.17	0.16

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	4.18	0.16	18.20	4.68	4.45	0.10
15.65	4.42	4.18	0.16	18.25	4.69	4.45	0.10
15.70	4.42	4.19	0.16	18.30	4.69	4.46	0.10
15.75	4.43	4.20	0.16	18.35	4.70	4.46	0.10
15.80	4.44	4.20	0.16	18.40	4.70	4.46	0.10
15.85	4.44	4.21	0.16	18.45	4.70	4.47	0.10
15.90	4.45	4.21	0.15	18.50	4.71	4.47	0.10
15.95	4.46	4.22	0.15	18.55	4.71	4.48	0.10
16.00	4.46	4.23	0.15	18.60	4.72	4.48	0.10
16.05	4.47	4.23	0.15	18.65	4.72	4.48	0.10
16.10	4.47	4.24	0.15	18.70	4.72	4.49	0.10
16.15	4.48	4.24	0.15	18.75	4.73	4.49	0.10
16.20	4.49	4.25	0.15	18.80	4.73	4.50	0.10
16.25	4.49	4.26	0.15	18.85	4.74	4.50	0.10
16.30	4.50	4.26	0.14	18.90	4.74	4.50	0.09
16.35	4.50	4.27	0.14	18.95	4.74	4.51	0.09
16.40	4.51	4.27	0.14	19.00	4.75	4.51	0.09
16.45	4.52	4.28	0.14	19.05	4.75	4.51	0.09
16.50	4.52	4.29	0.14	19.10	4.76	4.52	0.09
16.55	4.53	4.29	0.14	19.15	4.76	4.52	0.09
16.60	4.53	4.30	0.14	19.20	4.76	4.53	0.09
16.65	4.54	4.30	0.14	19.25	4.77	4.53	0.09
16.70	4.54	4.31	0.13	19.30	4.77	4.53	0.09
16.75	4.55	4.31	0.13	19.35	4.77	4.54	0.09
16.80	4.55	4.32	0.13	19.40	4.78	4.54	0.09
16.85	4.56	4.32	0.13	19.45	4.78	4.55	0.09
16.90	4.57	4.33	0.13	19.50	4.79	4.55	0.09
16.95	4.57	4.33	0.13	19.55	4.79	4.55	0.09
17.00	4.58	4.34	0.13	19.60	4.79	4.56	0.09
17.05	4.58	4.34	0.13	19.65	4.80	4.56	0.09
17.10	4.59	4.35	0.12	19.70	4.80	4.56	0.09
17.15	4.59	4.35	0.12	19.75	4.80	4.57	0.09
17.20	4.60	4.36	0.12	19.80	4.81	4.57	0.09
17.25	4.60	4.36	0.12	19.85	4.81	4.57	0.09
17.30	4.61	4.37	0.12	19.90	4.81	4.58	0.09
17.35	4.61	4.37	0.12	19.95	4.82	4.58	0.09
17.40	4.61	4.38	0.12	20.00	4.82	4.59	0.09
17.45	4.62	4.38	0.12	20.05	4.83	4.59	0.09
17.50	4.62	4.39	0.12	20.10	4.83	4.59	0.09
17.55	4.63	4.39	0.11	20.15	4.83	4.60	0.09
17.60	4.63	4.40	0.11	20.20	4.84	4.60	0.09
17.65	4.64	4.40	0.11	20.25	4.84	4.60	0.09
17.70	4.64	4.41	0.11	20.30	4.84	4.61	0.09
17.75	4.65	4.41	0.11	20.35	4.85	4.61	0.09
17.80	4.65	4.42	0.11	20.40	4.85	4.61	0.09
17.85	4.66	4.42	0.11	20.45	4.85	4.62	0.09
17.90	4.66	4.42	0.11	20.50	4.86	4.62	0.08
17.95	4.66	4.43	0.10	20.55	4.86	4.62	0.08
18.00	4.67	4.43	0.10	20.60	4.86	4.63	0.08
18.05	4.67	4.44	0.10	20.65	4.87	4.63	0.08
18.10	4.68	4.44	0.10	20.70	4.87	4.63	0.08
18.15	4.68	4.44	0.10	20.75	4.87	4.64	0.08

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	4.64	0.08	23.40	5.04	4.80	0.07
20.85	4.88	4.64	0.08	23.45	5.04	4.80	0.07
20.90	4.88	4.65	0.08	23.50	5.04	4.81	0.07
20.95	4.89	4.65	0.08	23.55	5.04	4.81	0.07
21.00	4.89	4.65	0.08	23.60	5.05	4.81	0.07
21.05	4.89	4.66	0.08	23.65	5.05	4.81	0.07
21.10	4.90	4.66	0.08	23.70	5.05	4.82	0.07
21.15	4.90	4.66	0.08	23.75	5.06	4.82	0.07
21.20	4.90	4.67	0.08	23.80	5.06	4.82	0.06
21.25	4.91	4.67	0.08	23.85	5.06	4.82	0.06
21.30	4.91	4.67	0.08	23.90	5.06	4.83	0.06
21.35	4.91	4.68	0.08	23.95	5.07	4.83	0.07
21.40	4.92	4.68	0.08	24.00	**5.07**	**4.83**	0.08
21.45	4.92	4.68	0.08	24.05	5.07	4.83	0.05
21.50	4.92	4.69	0.08	24.10	5.07	4.83	0.01
21.55	4.93	4.69	0.08	24.15	5.07	4.83	0.00
21.60	4.93	4.69	0.08	24.20	5.07	4.83	0.00
21.65	4.93	4.70	0.08	24.25	5.07	4.83	0.00
21.70	4.94	4.70	0.08	24.30	5.07	4.83	0.00
21.75	4.94	4.70	0.08	24.35	5.07	4.83	0.00
21.80	4.94	4.71	0.08	24.40	5.07	4.83	0.00
21.85	4.95	4.71	0.08	24.45	5.07	4.83	0.00
21.90	4.95	4.71	0.08	24.50	5.07	4.83	0.00
21.95	4.95	4.72	0.08	24.55	5.07	4.83	0.00
22.00	4.96	4.72	0.08	24.60	5.07	4.83	0.00
22.05	4.96	4.72	0.08	24.65	5.07	4.83	0.00
22.10	4.96	4.72	0.08	24.70	5.07	4.83	0.00
22.15	4.96	4.73	0.07	24.75	5.07	4.83	0.00
22.20	4.97	4.73	0.07	24.80	5.07	4.83	0.00
22.25	4.97	4.73	0.07	24.85	5.07	4.83	0.00
22.30	4.97	4.74	0.07	24.90	5.07	4.83	0.00
22.35	4.98	4.74	0.07	24.95	5.07	4.83	0.00
22.40	4.98	4.74	0.07	25.00	5.07	4.83	0.00
22.45	4.98	4.75	0.07	25.05	5.07	4.83	0.00
22.50	4.99	4.75	0.07	25.10	5.07	4.83	0.00
22.55	4.99	4.75	0.07	25.15	5.07	4.83	0.00
22.60	4.99	4.75	0.07	25.20	5.07	4.83	0.00
22.65	4.99	4.76	0.07	25.25	5.07	4.83	0.00
22.70	5.00	4.76	0.07	25.30	5.07	4.83	0.00
22.75	5.00	4.76	0.07	25.35	5.07	4.83	0.00
22.80	5.00	4.77	0.07	25.40	5.07	4.83	0.00
22.85	5.01	4.77	0.07	25.45	5.07	4.83	0.00
22.90	5.01	4.77	0.07	25.50	5.07	4.83	0.00
22.95	5.01	4.77	0.07	25.55	5.07	4.83	0.00
23.00	5.01	4.78	0.07	25.60	5.07	4.83	0.00
23.05	5.02	4.78	0.07	25.65	5.07	4.83	0.00
23.10	5.02	4.78	0.07	25.70	5.07	4.83	0.00
23.15	5.02	4.79	0.07	25.75	5.07	4.83	0.00
23.20	5.03	4.79	0.07	25.80	5.07	4.83	0.00
23.25	5.03	4.79	0.07	25.85	5.07	4.83	0.00
23.30	5.03	4.79	0.07	25.90	5.07	4.83	0.00
23.35	5.03	4.80	0.07	25.95	5.07	4.83	0.00

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	4.83	0.00	28.60	5.07	4.83	0.00
26.05	5.07	4.83	0.00	28.65	5.07	4.83	0.00
26.10	5.07	4.83	0.00	28.70	5.07	4.83	0.00
26.15	5.07	4.83	0.00	28.75	5.07	4.83	0.00
26.20	5.07	4.83	0.00	28.80	5.07	4.83	0.00
26.25	5.07	4.83	0.00	28.85	5.07	4.83	0.00
26.30	5.07	4.83	0.00	28.90	5.07	4.83	0.00
26.35	5.07	4.83	0.00	28.95	5.07	4.83	0.00
26.40	5.07	4.83	0.00	29.00	5.07	4.83	0.00
26.45	5.07	4.83	0.00	29.05	5.07	4.83	0.00
26.50	5.07	4.83	0.00	29.10	5.07	4.83	0.00
26.55	5.07	4.83	0.00	29.15	5.07	4.83	0.00
26.60	5.07	4.83	0.00	29.20	5.07	4.83	0.00
26.65	5.07	4.83	0.00	29.25	5.07	4.83	0.00
26.70	5.07	4.83	0.00	29.30	5.07	4.83	0.00
26.75	5.07	4.83	0.00	29.35	5.07	4.83	0.00
26.80	5.07	4.83	0.00	29.40	5.07	4.83	0.00
26.85	5.07	4.83	0.00	29.45	5.07	4.83	0.00
26.90	5.07	4.83	0.00	29.50	5.07	4.83	0.00
26.95	5.07	4.83	0.00	29.55	5.07	4.83	0.00
27.00	5.07	4.83	0.00	29.60	5.07	4.83	0.00
27.05	5.07	4.83	0.00	29.65	5.07	4.83	0.00
27.10	5.07	4.83	0.00	29.70	5.07	4.83	0.00
27.15	5.07	4.83	0.00	29.75	5.07	4.83	0.00
27.20	5.07	4.83	0.00	29.80	5.07	4.83	0.00
27.25	5.07	4.83	0.00	29.85	5.07	4.83	0.00
27.30	5.07	4.83	0.00	29.90	5.07	4.83	0.00
27.35	5.07	4.83	0.00	29.95	5.07	4.83	0.00
27.40	5.07	4.83	0.00	30.00	5.07	4.83	0.00
27.45	5.07	4.83	0.00	30.05	5.07	4.83	0.00
27.50	5.07	4.83	0.00	30.10	5.07	4.83	0.00
27.55	5.07	4.83	0.00	30.15	5.07	4.83	0.00
27.60	5.07	4.83	0.00	30.20	5.07	4.83	0.00
27.65	5.07	4.83	0.00	30.25	5.07	4.83	0.00
27.70	5.07	4.83	0.00	30.30	5.07	4.83	0.00
27.75	5.07	4.83	0.00	30.35	5.07	4.83	0.00
27.80	5.07	4.83	0.00	30.40	5.07	4.83	0.00
27.85	5.07	4.83	0.00	30.45	5.07	4.83	0.00
27.90	5.07	4.83	0.00	30.50	5.07	4.83	0.00
27.95	5.07	4.83	0.00	30.55	5.07	4.83	0.00
28.00	5.07	4.83	0.00	30.60	5.07	4.83	0.00
28.05	5.07	4.83	0.00	30.65	5.07	4.83	0.00
28.10	5.07	4.83	0.00	30.70	5.07	4.83	0.00
28.15	5.07	4.83	0.00	30.75	5.07	4.83	0.00
28.20	5.07	4.83	0.00	30.80	5.07	4.83	0.00
28.25	5.07	4.83	0.00	30.85	5.07	4.83	0.00
28.30	5.07	4.83	0.00	30.90	5.07	4.83	0.00
28.35	5.07	4.83	0.00	30.95	5.07	4.83	0.00
28.40	5.07	4.83	0.00	31.00	5.07	4.83	0.00
28.45	5.07	4.83	0.00	31.05	5.07	4.83	0.00
28.50	5.07	4.83	0.00	31.10	5.07	4.83	0.00
28.55	5.07	4.83	0.00	31.15	5.07	4.83	0.00

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	4.83	0.00	33.80	5.07	4.83	0.00
31.25	5.07	4.83	0.00	33.85	5.07	4.83	0.00
31.30	5.07	4.83	0.00	33.90	5.07	4.83	0.00
31.35	5.07	4.83	0.00	33.95	5.07	4.83	0.00
31.40	5.07	4.83	0.00	34.00	5.07	4.83	0.00
31.45	5.07	4.83	0.00	34.05	5.07	4.83	0.00
31.50	5.07	4.83	0.00	34.10	5.07	4.83	0.00
31.55	5.07	4.83	0.00	34.15	5.07	4.83	0.00
31.60	5.07	4.83	0.00	34.20	5.07	4.83	0.00
31.65	5.07	4.83	0.00	34.25	5.07	4.83	0.00
31.70	5.07	4.83	0.00	34.30	5.07	4.83	0.00
31.75	5.07	4.83	0.00	34.35	5.07	4.83	0.00
31.80	5.07	4.83	0.00	34.40	5.07	4.83	0.00
31.85	5.07	4.83	0.00	34.45	5.07	4.83	0.00
31.90	5.07	4.83	0.00	34.50	5.07	4.83	0.00
31.95	5.07	4.83	0.00	34.55	5.07	4.83	0.00
32.00	5.07	4.83	0.00	34.60	5.07	4.83	0.00
32.05	5.07	4.83	0.00	34.65	5.07	4.83	0.00
32.10	5.07	4.83	0.00	34.70	5.07	4.83	0.00
32.15	5.07	4.83	0.00	34.75	5.07	4.83	0.00
32.20	5.07	4.83	0.00	34.80	5.07	4.83	0.00
32.25	5.07	4.83	0.00	34.85	5.07	4.83	0.00
32.30	5.07	4.83	0.00	34.90	5.07	4.83	0.00
32.35	5.07	4.83	0.00	34.95	5.07	4.83	0.00
32.40	5.07	4.83	0.00	35.00	5.07	4.83	0.00
32.45	5.07	4.83	0.00	35.05	5.07	4.83	0.00
32.50	5.07	4.83	0.00	35.10	5.07	4.83	0.00
32.55	5.07	4.83	0.00	35.15	5.07	4.83	0.00
32.60	5.07	4.83	0.00	35.20	5.07	4.83	0.00
32.65	5.07	4.83	0.00	35.25	5.07	4.83	0.00
32.70	5.07	4.83	0.00	35.30	5.07	4.83	0.00
32.75	5.07	4.83	0.00	35.35	5.07	4.83	0.00
32.80	5.07	4.83	0.00	35.40	5.07	4.83	0.00
32.85	5.07	4.83	0.00	35.45	5.07	4.83	0.00
32.90	5.07	4.83	0.00	35.50	5.07	4.83	0.00
32.95	5.07	4.83	0.00	35.55	5.07	4.83	0.00
33.00	5.07	4.83	0.00	35.60	5.07	4.83	0.00
33.05	5.07	4.83	0.00	35.65	5.07	4.83	0.00
33.10	5.07	4.83	0.00	35.70	5.07	4.83	0.00
33.15	5.07	4.83	0.00	35.75	5.07	4.83	0.00
33.20	5.07	4.83	0.00	35.80	5.07	4.83	0.00
33.25	5.07	4.83	0.00	35.85	5.07	4.83	0.00
33.30	5.07	4.83	0.00	35.90	5.07	4.83	0.00
33.35	5.07	4.83	0.00	35.95	5.07	4.83	0.00
33.40	5.07	4.83	0.00	36.00	5.07	4.83	0.00
33.45	5.07	4.83	0.00	36.05	5.07	4.83	0.00
33.50	5.07	4.83	0.00	36.10	5.07	4.83	0.00
33.55	5.07	4.83	0.00	36.15	5.07	4.83	0.00
33.60	5.07	4.83	0.00	36.20	5.07	4.83	0.00
33.65	5.07	4.83	0.00	36.25	5.07	4.83	0.00
33.70	5.07	4.83	0.00	36.30	5.07	4.83	0.00
33.75	5.07	4.83	0.00	36.35	5.07	4.83	0.00

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	4.83	0.00
36.45	5.07	4.83	0.00
36.50	5.07	4.83	0.00
36.55	5.07	4.83	0.00
36.60	5.07	4.83	0.00
36.65	5.07	4.83	0.00
36.70	5.07	4.83	0.00
36.75	5.07	4.83	0.00
36.80	5.07	4.83	0.00
36.85	5.07	4.83	0.00
36.90	5.07	4.83	0.00
36.95	5.07	4.83	0.00
37.00	5.07	4.83	0.00
37.05	5.07	4.83	0.00
37.10	5.07	4.83	0.00
37.15	5.07	4.83	0.00
37.20	5.07	4.83	0.00
37.25	5.07	4.83	0.00
37.30	5.07	4.83	0.00
37.35	5.07	4.83	0.00
37.40	5.07	4.83	0.00
37.45	5.07	4.83	0.00
37.50	5.07	4.83	0.00
37.55	5.07	4.83	0.00
37.60	5.07	4.83	0.00
37.65	5.07	4.83	0.00
37.70	5.07	4.83	0.00
37.75	5.07	4.83	0.00
37.80	5.07	4.83	0.00
37.85	5.07	4.83	0.00
37.90	5.07	4.83	0.00
37.95	5.07	4.83	0.00
38.00	5.07	4.83	0.00
38.05	5.07	4.83	0.00
38.10	5.07	4.83	0.00
38.15	5.07	4.83	0.00
38.20	5.07	4.83	0.00
38.25	5.07	4.83	0.00
38.30	5.07	4.83	0.00
38.35	5.07	4.83	0.00
38.40	5.07	4.83	0.00
38.45	5.07	4.83	0.00
38.50	5.07	4.83	0.00
38.55	5.07	4.83	0.00
38.60	5.07	4.83	0.00
38.65	5.07	4.83	0.00
38.70	5.07	4.83	0.00
38.75	5.07	4.83	0.00
38.80	5.07	4.83	0.00
38.85	5.07	4.83	0.00
38.90	5.07	4.83	0.00
38.95	5.07	4.83	0.00
39.00	5.07	4.83	0.00
39.05	5.07	4.83	0.00
39.10	5.07	4.83	0.00
39.15	5.07	4.83	0.00
39.20	5.07	4.83	0.00
39.25	5.07	4.83	0.00
39.30	5.07	4.83	0.00
39.35	5.07	4.83	0.00
39.40	5.07	4.83	0.00
39.45	5.07	4.83	0.00
39.50	5.07	4.83	0.00
39.55	5.07	4.83	0.00
39.60	5.07	4.83	0.00
39.65	5.07	4.83	0.00
39.70	5.07	4.83	0.00
39.75	5.07	4.83	0.00
39.80	5.07	4.83	0.00
39.85	5.07	4.83	0.00
39.90	5.07	4.83	0.00
39.95	5.07	4.83	0.00
40.00	5.07	4.83	0.00

Summary for Subcatchment 53P: PDA-53 (pervious)

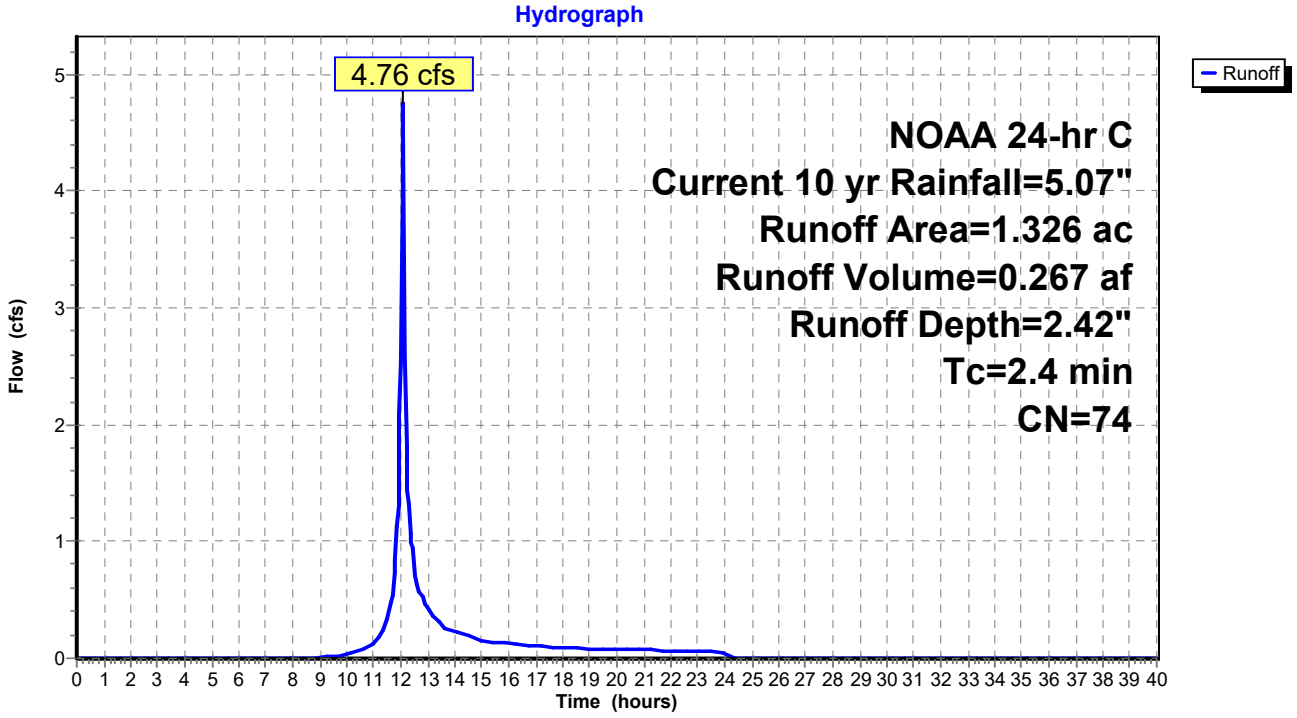
Runoff = 4.76 cfs @ 12.09 hrs, Volume= 0.267 af, Depth= 2.42"
Routed to Pond B-53 : Basin #53

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
1.326	74	>75% Grass cover, Good, HSG C
1.326		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.4					**Direct Entry,**

Subcatchment 53P: PDA-53 (pervious)



Hydrograph for Subcatchment 53P: PDA-53 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.00
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.01
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.01
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.01
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.01
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.01
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.01
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.01
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.01
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.01
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.02
7.00	0.49	0.00	0.00	9.60	0.84	0.01	0.02
7.05	0.50	0.00	0.00	9.65	0.85	0.01	0.02
7.10	0.50	0.00	0.00	9.70	0.86	0.01	0.02
7.15	0.51	0.00	0.00	9.75	0.87	0.01	0.02
7.20	0.52	0.00	0.00	9.80	0.88	0.01	0.02
7.25	0.52	0.00	0.00	9.85	0.89	0.01	0.03
7.30	0.53	0.00	0.00	9.90	0.90	0.01	0.03
7.35	0.53	0.00	0.00	9.95	0.91	0.01	0.03
7.40	0.54	0.00	0.00	10.00	0.92	0.01	0.03
7.45	0.54	0.00	0.00	10.05	0.94	0.01	0.03
7.50	0.55	0.00	0.00	10.10	0.95	0.02	0.04
7.55	0.55	0.00	0.00	10.15	0.96	0.02	0.04
7.60	0.56	0.00	0.00	10.20	0.97	0.02	0.04
7.65	0.57	0.00	0.00	10.25	0.98	0.02	0.04
7.70	0.57	0.00	0.00	10.30	0.99	0.02	0.05
7.75	0.58	0.00	0.00	10.35	1.01	0.02	0.05

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.03	0.05	13.00	3.85	1.49	0.44
10.45	1.03	0.03	0.05	13.05	3.87	1.50	0.40
10.50	1.04	0.03	0.06	13.10	3.89	1.52	0.39
10.55	1.06	0.03	0.06	13.15	3.91	1.53	0.37
10.60	1.07	0.04	0.07	13.20	3.93	1.55	0.36
10.65	1.09	0.04	0.08	13.25	3.95	1.56	0.34
10.70	1.10	0.04	0.08	13.30	3.97	1.57	0.33
10.75	1.12	0.04	0.09	13.35	3.98	1.58	0.31
10.80	1.14	0.05	0.09	13.40	4.00	1.59	0.31
10.85	1.16	0.05	0.10	13.45	4.01	1.60	0.29
10.90	1.18	0.06	0.11	13.50	4.03	1.61	0.28
10.95	1.20	0.06	0.12	13.55	4.04	1.62	0.26
11.00	1.22	0.07	0.13	13.60	4.05	1.63	0.25
11.05	1.24	0.07	0.14	13.65	4.06	1.64	0.25
11.10	1.26	0.08	0.15	13.70	4.08	1.65	0.25
11.15	1.29	0.08	0.17	13.75	4.09	1.66	0.24
11.20	1.31	0.09	0.18	13.80	4.10	1.67	0.24
11.25	1.34	0.10	0.20	13.85	4.11	1.68	0.23
11.30	1.37	0.11	0.22	13.90	4.12	1.69	0.23
11.35	1.40	0.12	0.24	13.95	4.13	1.70	0.23
11.40	1.43	0.13	0.25	14.00	4.15	1.70	0.22
11.45	1.47	0.14	0.28	14.05	4.16	1.71	0.22
11.50	1.50	0.15	0.29	14.10	4.17	1.72	0.22
11.55	1.55	0.16	0.42	14.15	4.18	1.73	0.21
11.60	1.60	0.18	0.48	14.20	4.19	1.74	0.21
11.65	1.65	0.20	0.53	14.25	4.20	1.74	0.21
11.70	1.71	0.22	0.56	14.30	4.21	1.75	0.20
11.75	1.78	0.25	0.74	14.35	4.22	1.76	0.20
11.80	1.86	0.29	0.84	14.40	4.23	1.77	0.20
11.85	1.96	0.33	1.12	14.45	4.24	1.77	0.19
11.90	2.06	0.38	1.30	14.50	4.25	1.78	0.19
11.95	2.24	0.47	2.08	14.55	4.26	1.79	0.18
12.00	2.42	0.56	2.53	14.60	4.27	1.79	0.18
12.05	2.71	0.73	4.00	14.65	4.27	1.80	0.18
12.10	3.01	0.91	**4.66**	14.70	4.28	1.81	0.17
12.15	3.11	0.98	2.59	14.75	4.29	1.81	0.17
12.20	3.21	1.05	1.81	14.80	4.30	1.82	0.17
12.25	3.29	1.10	1.44	14.85	4.31	1.82	0.16
12.30	3.36	1.15	1.32	14.90	4.31	1.83	0.16
12.35	3.42	1.18	1.07	14.95	4.32	1.84	0.15
12.40	3.47	1.22	0.99	15.00	4.33	1.84	0.15
12.45	3.52	1.25	0.96	15.05	4.34	1.85	0.15
12.50	3.57	1.29	0.94	15.10	4.34	1.85	0.14
12.55	3.60	1.31	0.71	15.15	4.35	1.86	0.14
12.60	3.64	1.34	0.62	15.20	4.36	1.86	0.14
12.65	3.67	1.36	0.59	15.25	4.36	1.87	0.14
12.70	3.70	1.38	0.58	15.30	4.37	1.87	0.14
12.75	3.73	1.40	0.55	15.35	4.38	1.88	0.14
12.80	3.76	1.42	0.54	15.40	4.39	1.88	0.14
12.85	3.78	1.44	0.50	15.45	4.39	1.89	0.14
12.90	3.81	1.46	0.49	15.50	4.40	1.89	0.14
12.95	3.83	1.47	0.45	15.55	4.41	1.90	0.14

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	1.90	0.13	18.20	4.68	2.12	0.08
15.65	4.42	1.91	0.13	18.25	4.69	2.12	0.08
15.70	4.42	1.91	0.13	18.30	4.69	2.12	0.08
15.75	4.43	1.92	0.13	18.35	4.70	2.12	0.08
15.80	4.44	1.92	0.13	18.40	4.70	2.13	0.08
15.85	4.44	1.93	0.13	18.45	4.70	2.13	0.08
15.90	4.45	1.93	0.13	18.50	4.71	2.13	0.08
15.95	4.46	1.94	0.13	18.55	4.71	2.14	0.08
16.00	4.46	1.94	0.13	18.60	4.72	2.14	0.08
16.05	4.47	1.95	0.13	18.65	4.72	2.14	0.08
16.10	4.47	1.95	0.13	18.70	4.72	2.15	0.08
16.15	4.48	1.96	0.12	18.75	4.73	2.15	0.08
16.20	4.49	1.96	0.12	18.80	4.73	2.15	0.08
16.25	4.49	1.97	0.12	18.85	4.74	2.16	0.08
16.30	4.50	1.97	0.12	18.90	4.74	2.16	0.08
16.35	4.50	1.98	0.12	18.95	4.74	2.16	0.08
16.40	4.51	1.98	0.12	19.00	4.75	2.16	0.08
16.45	4.52	1.98	0.12	19.05	4.75	2.17	0.08
16.50	4.52	1.99	0.12	19.10	4.76	2.17	0.08
16.55	4.53	1.99	0.12	19.15	4.76	2.17	0.08
16.60	4.53	2.00	0.12	19.20	4.76	2.18	0.08
16.65	4.54	2.00	0.11	19.25	4.77	2.18	0.08
16.70	4.54	2.01	0.11	19.30	4.77	2.18	0.08
16.75	4.55	2.01	0.11	19.35	4.77	2.19	0.08
16.80	4.55	2.01	0.11	19.40	4.78	2.19	0.08
16.85	4.56	2.02	0.11	19.45	4.78	2.19	0.08
16.90	4.57	2.02	0.11	19.50	4.79	2.19	0.08
16.95	4.57	2.03	0.11	19.55	4.79	2.20	0.08
17.00	4.58	2.03	0.11	19.60	4.79	2.20	0.08
17.05	4.58	2.03	0.11	19.65	4.80	2.20	0.08
17.10	4.59	2.04	0.11	19.70	4.80	2.21	0.08
17.15	4.59	2.04	0.10	19.75	4.80	2.21	0.08
17.20	4.60	2.05	0.10	19.80	4.81	2.21	0.08
17.25	4.60	2.05	0.10	19.85	4.81	2.21	0.08
17.30	4.61	2.05	0.10	19.90	4.81	2.22	0.08
17.35	4.61	2.06	0.10	19.95	4.82	2.22	0.08
17.40	4.61	2.06	0.10	20.00	4.82	2.22	0.08
17.45	4.62	2.06	0.10	20.05	4.83	2.23	0.08
17.50	4.62	2.07	0.10	20.10	4.83	2.23	0.08
17.55	4.63	2.07	0.10	20.15	4.83	2.23	0.07
17.60	4.63	2.08	0.10	20.20	4.84	2.23	0.07
17.65	4.64	2.08	0.09	20.25	4.84	2.24	0.07
17.70	4.64	2.08	0.09	20.30	4.84	2.24	0.07
17.75	4.65	2.09	0.09	20.35	4.85	2.24	0.07
17.80	4.65	2.09	0.09	20.40	4.85	2.25	0.07
17.85	4.66	2.09	0.09	20.45	4.85	2.25	0.07
17.90	4.66	2.10	0.09	20.50	4.86	2.25	0.07
17.95	4.66	2.10	0.09	20.55	4.86	2.25	0.07
18.00	4.67	2.10	0.09	20.60	4.86	2.26	0.07
18.05	4.67	2.11	0.09	20.65	4.87	2.26	0.07
18.10	4.68	2.11	0.09	20.70	4.87	2.26	0.07
18.15	4.68	2.11	0.08	20.75	4.87	2.26	0.07

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	2.27	0.07	23.40	5.04	2.39	0.06
20.85	4.88	2.27	0.07	23.45	5.04	2.40	0.06
20.90	4.88	2.27	0.07	23.50	5.04	2.40	0.06
20.95	4.89	2.28	0.07	23.55	5.04	2.40	0.06
21.00	4.89	2.28	0.07	23.60	5.05	2.40	0.06
21.05	4.89	2.28	0.07	23.65	5.05	2.40	0.06
21.10	4.90	2.28	0.07	23.70	5.05	2.41	0.06
21.15	4.90	2.29	0.07	23.75	5.06	2.41	0.06
21.20	4.90	2.29	0.07	23.80	5.06	2.41	0.06
21.25	4.91	2.29	0.07	23.85	5.06	2.41	0.06
21.30	4.91	2.29	0.07	23.90	5.06	2.42	0.06
21.35	4.91	2.30	0.07	23.95	5.07	2.42	0.07
21.40	4.92	2.30	0.07	24.00	**5.07**	**2.42**	0.07
21.45	4.92	2.30	0.07	24.05	5.07	2.42	0.02
21.50	4.92	2.30	0.07	24.10	5.07	2.42	0.00
21.55	4.93	2.31	0.07	24.15	5.07	2.42	0.00
21.60	4.93	2.31	0.07	24.20	5.07	2.42	0.00
21.65	4.93	2.31	0.07	24.25	5.07	2.42	0.00
21.70	4.94	2.31	0.07	24.30	5.07	2.42	0.00
21.75	4.94	2.32	0.07	24.35	5.07	2.42	0.00
21.80	4.94	2.32	0.07	24.40	5.07	2.42	0.00
21.85	4.95	2.32	0.07	24.45	5.07	2.42	0.00
21.90	4.95	2.32	0.07	24.50	5.07	2.42	0.00
21.95	4.95	2.33	0.07	24.55	5.07	2.42	0.00
22.00	4.96	2.33	0.07	24.60	5.07	2.42	0.00
22.05	4.96	2.33	0.07	24.65	5.07	2.42	0.00
22.10	4.96	2.33	0.07	24.70	5.07	2.42	0.00
22.15	4.96	2.34	0.07	24.75	5.07	2.42	0.00
22.20	4.97	2.34	0.07	24.80	5.07	2.42	0.00
22.25	4.97	2.34	0.06	24.85	5.07	2.42	0.00
22.30	4.97	2.34	0.06	24.90	5.07	2.42	0.00
22.35	4.98	2.35	0.06	24.95	5.07	2.42	0.00
22.40	4.98	2.35	0.06	25.00	5.07	2.42	0.00
22.45	4.98	2.35	0.06	25.05	5.07	2.42	0.00
22.50	4.99	2.35	0.06	25.10	5.07	2.42	0.00
22.55	4.99	2.36	0.06	25.15	5.07	2.42	0.00
22.60	4.99	2.36	0.06	25.20	5.07	2.42	0.00
22.65	4.99	2.36	0.06	25.25	5.07	2.42	0.00
22.70	5.00	2.36	0.06	25.30	5.07	2.42	0.00
22.75	5.00	2.36	0.06	25.35	5.07	2.42	0.00
22.80	5.00	2.37	0.06	25.40	5.07	2.42	0.00
22.85	5.01	2.37	0.06	25.45	5.07	2.42	0.00
22.90	5.01	2.37	0.06	25.50	5.07	2.42	0.00
22.95	5.01	2.37	0.06	25.55	5.07	2.42	0.00
23.00	5.01	2.38	0.06	25.60	5.07	2.42	0.00
23.05	5.02	2.38	0.06	25.65	5.07	2.42	0.00
23.10	5.02	2.38	0.06	25.70	5.07	2.42	0.00
23.15	5.02	2.38	0.06	25.75	5.07	2.42	0.00
23.20	5.03	2.38	0.06	25.80	5.07	2.42	0.00
23.25	5.03	2.39	0.06	25.85	5.07	2.42	0.00
23.30	5.03	2.39	0.06	25.90	5.07	2.42	0.00
23.35	5.03	2.39	0.06	25.95	5.07	2.42	0.00

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	2.42	0.00	28.60	5.07	2.42	0.00
26.05	5.07	2.42	0.00	28.65	5.07	2.42	0.00
26.10	5.07	2.42	0.00	28.70	5.07	2.42	0.00
26.15	5.07	2.42	0.00	28.75	5.07	2.42	0.00
26.20	5.07	2.42	0.00	28.80	5.07	2.42	0.00
26.25	5.07	2.42	0.00	28.85	5.07	2.42	0.00
26.30	5.07	2.42	0.00	28.90	5.07	2.42	0.00
26.35	5.07	2.42	0.00	28.95	5.07	2.42	0.00
26.40	5.07	2.42	0.00	29.00	5.07	2.42	0.00
26.45	5.07	2.42	0.00	29.05	5.07	2.42	0.00
26.50	5.07	2.42	0.00	29.10	5.07	2.42	0.00
26.55	5.07	2.42	0.00	29.15	5.07	2.42	0.00
26.60	5.07	2.42	0.00	29.20	5.07	2.42	0.00
26.65	5.07	2.42	0.00	29.25	5.07	2.42	0.00
26.70	5.07	2.42	0.00	29.30	5.07	2.42	0.00
26.75	5.07	2.42	0.00	29.35	5.07	2.42	0.00
26.80	5.07	2.42	0.00	29.40	5.07	2.42	0.00
26.85	5.07	2.42	0.00	29.45	5.07	2.42	0.00
26.90	5.07	2.42	0.00	29.50	5.07	2.42	0.00
26.95	5.07	2.42	0.00	29.55	5.07	2.42	0.00
27.00	5.07	2.42	0.00	29.60	5.07	2.42	0.00
27.05	5.07	2.42	0.00	29.65	5.07	2.42	0.00
27.10	5.07	2.42	0.00	29.70	5.07	2.42	0.00
27.15	5.07	2.42	0.00	29.75	5.07	2.42	0.00
27.20	5.07	2.42	0.00	29.80	5.07	2.42	0.00
27.25	5.07	2.42	0.00	29.85	5.07	2.42	0.00
27.30	5.07	2.42	0.00	29.90	5.07	2.42	0.00
27.35	5.07	2.42	0.00	29.95	5.07	2.42	0.00
27.40	5.07	2.42	0.00	30.00	5.07	2.42	0.00
27.45	5.07	2.42	0.00	30.05	5.07	2.42	0.00
27.50	5.07	2.42	0.00	30.10	5.07	2.42	0.00
27.55	5.07	2.42	0.00	30.15	5.07	2.42	0.00
27.60	5.07	2.42	0.00	30.20	5.07	2.42	0.00
27.65	5.07	2.42	0.00	30.25	5.07	2.42	0.00
27.70	5.07	2.42	0.00	30.30	5.07	2.42	0.00
27.75	5.07	2.42	0.00	30.35	5.07	2.42	0.00
27.80	5.07	2.42	0.00	30.40	5.07	2.42	0.00
27.85	5.07	2.42	0.00	30.45	5.07	2.42	0.00
27.90	5.07	2.42	0.00	30.50	5.07	2.42	0.00
27.95	5.07	2.42	0.00	30.55	5.07	2.42	0.00
28.00	5.07	2.42	0.00	30.60	5.07	2.42	0.00
28.05	5.07	2.42	0.00	30.65	5.07	2.42	0.00
28.10	5.07	2.42	0.00	30.70	5.07	2.42	0.00
28.15	5.07	2.42	0.00	30.75	5.07	2.42	0.00
28.20	5.07	2.42	0.00	30.80	5.07	2.42	0.00
28.25	5.07	2.42	0.00	30.85	5.07	2.42	0.00
28.30	5.07	2.42	0.00	30.90	5.07	2.42	0.00
28.35	5.07	2.42	0.00	30.95	5.07	2.42	0.00
28.40	5.07	2.42	0.00	31.00	5.07	2.42	0.00
28.45	5.07	2.42	0.00	31.05	5.07	2.42	0.00
28.50	5.07	2.42	0.00	31.10	5.07	2.42	0.00
28.55	5.07	2.42	0.00	31.15	5.07	2.42	0.00

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	2.42	0.00	33.80	5.07	2.42	0.00
31.25	5.07	2.42	0.00	33.85	5.07	2.42	0.00
31.30	5.07	2.42	0.00	33.90	5.07	2.42	0.00
31.35	5.07	2.42	0.00	33.95	5.07	2.42	0.00
31.40	5.07	2.42	0.00	34.00	5.07	2.42	0.00
31.45	5.07	2.42	0.00	34.05	5.07	2.42	0.00
31.50	5.07	2.42	0.00	34.10	5.07	2.42	0.00
31.55	5.07	2.42	0.00	34.15	5.07	2.42	0.00
31.60	5.07	2.42	0.00	34.20	5.07	2.42	0.00
31.65	5.07	2.42	0.00	34.25	5.07	2.42	0.00
31.70	5.07	2.42	0.00	34.30	5.07	2.42	0.00
31.75	5.07	2.42	0.00	34.35	5.07	2.42	0.00
31.80	5.07	2.42	0.00	34.40	5.07	2.42	0.00
31.85	5.07	2.42	0.00	34.45	5.07	2.42	0.00
31.90	5.07	2.42	0.00	34.50	5.07	2.42	0.00
31.95	5.07	2.42	0.00	34.55	5.07	2.42	0.00
32.00	5.07	2.42	0.00	34.60	5.07	2.42	0.00
32.05	5.07	2.42	0.00	34.65	5.07	2.42	0.00
32.10	5.07	2.42	0.00	34.70	5.07	2.42	0.00
32.15	5.07	2.42	0.00	34.75	5.07	2.42	0.00
32.20	5.07	2.42	0.00	34.80	5.07	2.42	0.00
32.25	5.07	2.42	0.00	34.85	5.07	2.42	0.00
32.30	5.07	2.42	0.00	34.90	5.07	2.42	0.00
32.35	5.07	2.42	0.00	34.95	5.07	2.42	0.00
32.40	5.07	2.42	0.00	35.00	5.07	2.42	0.00
32.45	5.07	2.42	0.00	35.05	5.07	2.42	0.00
32.50	5.07	2.42	0.00	35.10	5.07	2.42	0.00
32.55	5.07	2.42	0.00	35.15	5.07	2.42	0.00
32.60	5.07	2.42	0.00	35.20	5.07	2.42	0.00
32.65	5.07	2.42	0.00	35.25	5.07	2.42	0.00
32.70	5.07	2.42	0.00	35.30	5.07	2.42	0.00
32.75	5.07	2.42	0.00	35.35	5.07	2.42	0.00
32.80	5.07	2.42	0.00	35.40	5.07	2.42	0.00
32.85	5.07	2.42	0.00	35.45	5.07	2.42	0.00
32.90	5.07	2.42	0.00	35.50	5.07	2.42	0.00
32.95	5.07	2.42	0.00	35.55	5.07	2.42	0.00
33.00	5.07	2.42	0.00	35.60	5.07	2.42	0.00
33.05	5.07	2.42	0.00	35.65	5.07	2.42	0.00
33.10	5.07	2.42	0.00	35.70	5.07	2.42	0.00
33.15	5.07	2.42	0.00	35.75	5.07	2.42	0.00
33.20	5.07	2.42	0.00	35.80	5.07	2.42	0.00
33.25	5.07	2.42	0.00	35.85	5.07	2.42	0.00
33.30	5.07	2.42	0.00	35.90	5.07	2.42	0.00
33.35	5.07	2.42	0.00	35.95	5.07	2.42	0.00
33.40	5.07	2.42	0.00	36.00	5.07	2.42	0.00
33.45	5.07	2.42	0.00	36.05	5.07	2.42	0.00
33.50	5.07	2.42	0.00	36.10	5.07	2.42	0.00
33.55	5.07	2.42	0.00	36.15	5.07	2.42	0.00
33.60	5.07	2.42	0.00	36.20	5.07	2.42	0.00
33.65	5.07	2.42	0.00	36.25	5.07	2.42	0.00
33.70	5.07	2.42	0.00	36.30	5.07	2.42	0.00
33.75	5.07	2.42	0.00	36.35	5.07	2.42	0.00

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	2.42	0.00
36.45	5.07	2.42	0.00
36.50	5.07	2.42	0.00
36.55	5.07	2.42	0.00
36.60	5.07	2.42	0.00
36.65	5.07	2.42	0.00
36.70	5.07	2.42	0.00
36.75	5.07	2.42	0.00
36.80	5.07	2.42	0.00
36.85	5.07	2.42	0.00
36.90	5.07	2.42	0.00
36.95	5.07	2.42	0.00
37.00	5.07	2.42	0.00
37.05	5.07	2.42	0.00
37.10	5.07	2.42	0.00
37.15	5.07	2.42	0.00
37.20	5.07	2.42	0.00
37.25	5.07	2.42	0.00
37.30	5.07	2.42	0.00
37.35	5.07	2.42	0.00
37.40	5.07	2.42	0.00
37.45	5.07	2.42	0.00
37.50	5.07	2.42	0.00
37.55	5.07	2.42	0.00
37.60	5.07	2.42	0.00
37.65	5.07	2.42	0.00
37.70	5.07	2.42	0.00
37.75	5.07	2.42	0.00
37.80	5.07	2.42	0.00
37.85	5.07	2.42	0.00
37.90	5.07	2.42	0.00
37.95	5.07	2.42	0.00
38.00	5.07	2.42	0.00
38.05	5.07	2.42	0.00
38.10	5.07	2.42	0.00
38.15	5.07	2.42	0.00
38.20	5.07	2.42	0.00
38.25	5.07	2.42	0.00
38.30	5.07	2.42	0.00
38.35	5.07	2.42	0.00
38.40	5.07	2.42	0.00
38.45	5.07	2.42	0.00
38.50	5.07	2.42	0.00
38.55	5.07	2.42	0.00
38.60	5.07	2.42	0.00
38.65	5.07	2.42	0.00
38.70	5.07	2.42	0.00
38.75	5.07	2.42	0.00
38.80	5.07	2.42	0.00
38.85	5.07	2.42	0.00
38.90	5.07	2.42	0.00
38.95	5.07	2.42	0.00
39.00	5.07	2.42	0.00
39.05	5.07	2.42	0.00
39.10	5.07	2.42	0.00
39.15	5.07	2.42	0.00
39.20	5.07	2.42	0.00
39.25	5.07	2.42	0.00
39.30	5.07	2.42	0.00
39.35	5.07	2.42	0.00
39.40	5.07	2.42	0.00
39.45	5.07	2.42	0.00
39.50	5.07	2.42	0.00
39.55	5.07	2.42	0.00
39.60	5.07	2.42	0.00
39.65	5.07	2.42	0.00
39.70	5.07	2.42	0.00
39.75	5.07	2.42	0.00
39.80	5.07	2.42	0.00
39.85	5.07	2.42	0.00
39.90	5.07	2.42	0.00
39.95	5.07	2.42	0.00
40.00	5.07	2.42	0.00

Summary for Subcatchment 54l: PDA-54 (impervious)

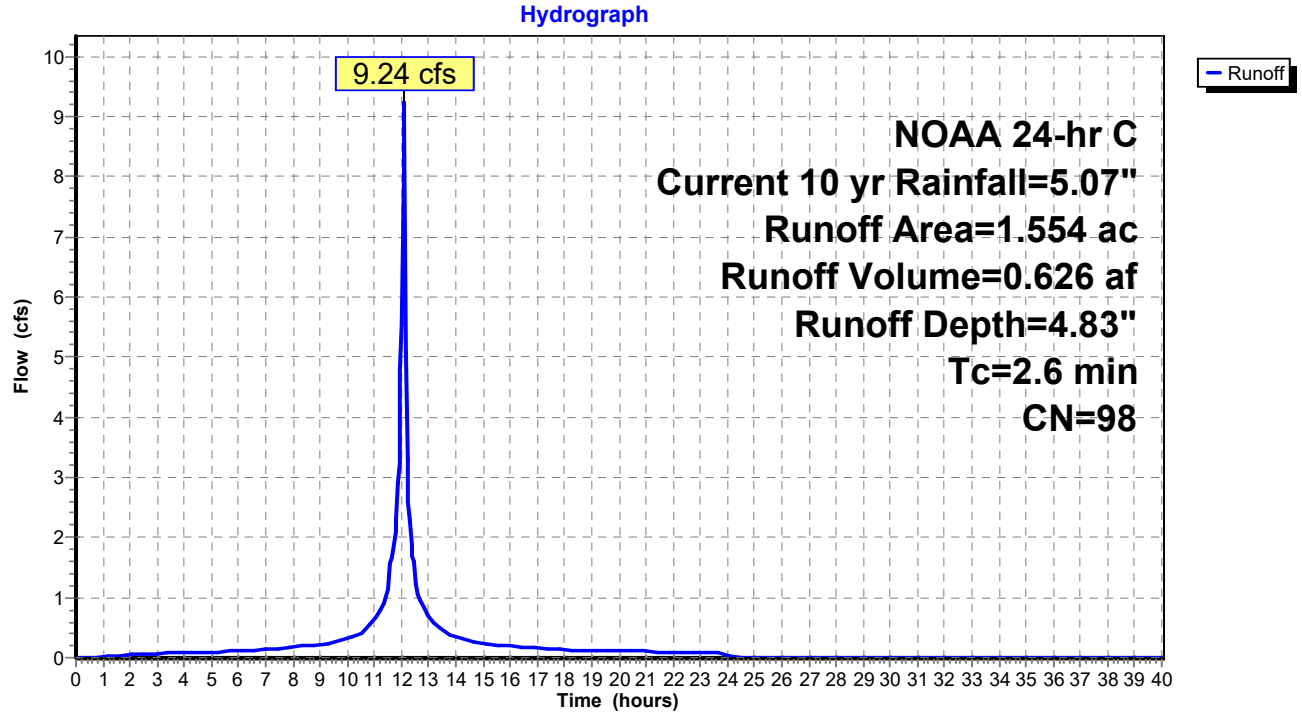
Runoff = 9.24 cfs @ 12.08 hrs, Volume= 0.626 af, Depth= 4.83"
Routed to Pond B-54 : Basin #54

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

	Area (ac)	CN	Description
*	0.983	98	Pavement, HSG C
*	0.361	98	Roof, HSG C
*	0.210	98	Concrete, HSG C
	1.554	98	Weighted Average
	1.554		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.6					**Direct Entry,**

Subcatchment 54l: PDA-54 (impervious)



Hydrograph for Subcatchment 54I: PDA-54 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.04	0.06
0.05	0.00	0.00	0.00	2.65	0.16	0.04	0.06
0.10	0.01	0.00	0.00	2.70	0.16	0.04	0.06
0.15	0.01	0.00	0.00	2.75	0.16	0.05	0.06
0.20	0.01	0.00	0.00	2.80	0.17	0.05	0.06
0.25	0.01	0.00	0.00	2.85	0.17	0.05	0.06
0.30	0.02	0.00	0.00	2.90	0.17	0.05	0.06
0.35	0.02	0.00	0.00	2.95	0.18	0.05	0.07
0.40	0.02	0.00	0.00	3.00	0.18	0.06	0.07
0.45	0.03	0.00	0.00	3.05	0.18	0.06	0.07
0.50	0.03	0.00	0.00	3.10	0.19	0.06	0.07
0.55	0.03	0.00	0.00	3.15	0.19	0.06	0.07
0.60	0.03	0.00	0.00	3.20	0.19	0.06	0.07
0.65	0.04	0.00	0.00	3.25	0.20	0.07	0.07
0.70	0.04	0.00	0.00	3.30	0.20	0.07	0.07
0.75	0.04	0.00	0.00	3.35	0.20	0.07	0.07
0.80	0.04	0.00	0.00	3.40	0.21	0.07	0.07
0.85	0.05	0.00	0.00	3.45	0.21	0.08	0.08
0.90	0.05	0.00	0.01	3.50	0.21	0.08	0.08
0.95	0.05	0.00	0.01	3.55	0.22	0.08	0.08
1.00	0.06	0.00	0.01	3.60	0.22	0.08	0.08
1.05	0.06	0.00	0.01	3.65	0.22	0.09	0.08
1.10	0.06	0.00	0.01	3.70	0.23	0.09	0.08
1.15	0.06	0.00	0.02	3.75	0.23	0.09	0.08
1.20	0.07	0.00	0.02	3.80	0.23	0.09	0.08
1.25	0.07	0.00	0.02	3.85	0.24	0.10	0.08
1.30	0.07	0.00	0.02	3.90	0.24	0.10	0.08
1.35	0.08	0.01	0.02	3.95	0.24	0.10	0.08
1.40	0.08	0.01	0.02	4.00	0.25	0.10	0.08
1.45	0.08	0.01	0.03	4.05	0.25	0.11	0.08
1.50	0.08	0.01	0.03	4.10	0.26	0.11	0.09
1.55	0.09	0.01	0.03	4.15	0.26	0.11	0.09
1.60	0.09	0.01	0.03	4.20	0.26	0.12	0.09
1.65	0.09	0.01	0.03	4.25	0.27	0.12	0.09
1.70	0.10	0.01	0.03	4.30	0.27	0.12	0.09
1.75	0.10	0.01	0.04	4.35	0.27	0.12	0.09
1.80	0.10	0.01	0.04	4.40	0.28	0.13	0.09
1.85	0.11	0.02	0.04	4.45	0.28	0.13	0.09
1.90	0.11	0.02	0.04	4.50	0.28	0.13	0.09
1.95	0.11	0.02	0.04	4.55	0.29	0.14	0.09
2.00	0.11	0.02	0.04	4.60	0.29	0.14	0.09
2.05	0.12	0.02	0.04	4.65	0.30	0.14	0.09
2.10	0.12	0.02	0.05	4.70	0.30	0.14	0.09
2.15	0.12	0.02	0.05	4.75	0.30	0.15	0.10
2.20	0.13	0.03	0.05	4.80	0.31	0.15	0.10
2.25	0.13	0.03	0.05	4.85	0.31	0.15	0.10
2.30	0.13	0.03	0.05	4.90	0.31	0.16	0.10
2.35	0.14	0.03	0.05	4.95	0.32	0.16	0.10
2.40	0.14	0.03	0.05	5.00	0.32	0.16	0.10
2.45	0.14	0.03	0.05	5.05	0.33	0.17	0.10
2.50	0.15	0.04	0.06	5.10	0.33	0.17	0.10
2.55	0.15	0.04	0.06	5.15	0.33	0.17	0.10

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.18	0.10	7.80	0.58	0.39	0.17
5.25	0.34	0.18	0.10	7.85	0.59	0.40	0.17
5.30	0.35	0.18	0.10	7.90	0.60	0.41	0.17
5.35	0.35	0.19	0.10	7.95	0.60	0.41	0.18
5.40	0.35	0.19	0.10	8.00	0.61	0.42	0.18
5.45	0.36	0.19	0.10	8.05	0.61	0.42	0.18
5.50	0.36	0.20	0.10	8.10	0.62	0.43	0.18
5.55	0.37	0.20	0.11	8.15	0.63	0.43	0.18
5.60	0.37	0.20	0.11	8.20	0.63	0.44	0.18
5.65	0.37	0.21	0.11	8.25	0.64	0.45	0.19
5.70	0.38	0.21	0.11	8.30	0.65	0.45	0.19
5.75	0.38	0.21	0.11	8.35	0.65	0.46	0.19
5.80	0.39	0.22	0.11	8.40	0.66	0.46	0.19
5.85	0.39	0.22	0.11	8.45	0.66	0.47	0.19
5.90	0.39	0.22	0.11	8.50	0.67	0.48	0.19
5.95	0.40	0.23	0.11	8.55	0.68	0.48	0.20
6.00	0.40	0.23	0.11	8.60	0.68	0.49	0.20
6.05	0.41	0.23	0.11	8.65	0.69	0.50	0.20
6.10	0.41	0.24	0.11	8.70	0.70	0.50	0.20
6.15	0.41	0.24	0.12	8.75	0.71	0.51	0.20
6.20	0.42	0.25	0.12	8.80	0.71	0.51	0.20
6.25	0.42	0.25	0.12	8.85	0.72	0.52	0.21
6.30	0.43	0.25	0.12	8.90	0.73	0.53	0.21
6.35	0.43	0.26	0.12	8.95	0.73	0.53	0.21
6.40	0.44	0.26	0.12	9.00	0.74	0.54	0.21
6.45	0.44	0.27	0.13	9.05	0.75	0.55	0.22
6.50	0.45	0.27	0.13	9.10	0.76	0.56	0.22
6.55	0.45	0.27	0.13	9.15	0.76	0.56	0.23
6.60	0.46	0.28	0.13	9.20	0.77	0.57	0.23
6.65	0.46	0.28	0.13	9.25	0.78	0.58	0.24
6.70	0.46	0.29	0.13	9.30	0.79	0.59	0.25
6.75	0.47	0.29	0.14	9.35	0.80	0.59	0.25
6.80	0.47	0.29	0.14	9.40	0.80	0.60	0.26
6.85	0.48	0.30	0.14	9.45	0.81	0.61	0.27
6.90	0.48	0.30	0.14	9.50	0.82	0.62	0.27
6.95	0.49	0.31	0.14	9.55	0.83	0.63	0.28
7.00	0.49	0.31	0.14	9.60	0.84	0.64	0.28
7.05	0.50	0.32	0.15	9.65	0.85	0.65	0.29
7.10	0.50	0.32	0.15	9.70	0.86	0.66	0.29
7.15	0.51	0.33	0.15	9.75	0.87	0.67	0.30
7.20	0.52	0.33	0.15	9.80	0.88	0.68	0.31
7.25	0.52	0.34	0.15	9.85	0.89	0.69	0.31
7.30	0.53	0.34	0.15	9.90	0.90	0.70	0.32
7.35	0.53	0.35	0.16	9.95	0.91	0.71	0.33
7.40	0.54	0.35	0.16	10.00	0.92	0.72	0.33
7.45	0.54	0.36	0.16	10.05	0.94	0.73	0.34
7.50	0.55	0.36	0.16	10.10	0.95	0.74	0.34
7.55	0.55	0.37	0.16	10.15	0.96	0.75	0.35
7.60	0.56	0.37	0.16	10.20	0.97	0.76	0.35
7.65	0.57	0.38	0.17	10.25	0.98	0.77	0.36
7.70	0.57	0.38	0.17	10.30	0.99	0.79	0.37
7.75	0.58	0.39	0.17	10.35	1.01	0.80	0.37

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.81	0.38	13.00	3.85	3.62	0.71
10.45	1.03	0.82	0.39	13.05	3.87	3.64	0.65
10.50	1.04	0.83	0.39	13.10	3.89	3.66	0.63
10.55	1.06	0.85	0.42	13.15	3.91	3.68	0.60
10.60	1.07	0.86	0.44	13.20	3.93	3.70	0.58
10.65	1.09	0.88	0.47	13.25	3.95	3.71	0.55
10.70	1.10	0.89	0.48	13.30	3.97	3.73	0.54
10.75	1.12	0.91	0.51	13.35	3.98	3.75	0.51
10.80	1.14	0.93	0.53	13.40	4.00	3.76	0.49
10.85	1.16	0.94	0.56	13.45	4.01	3.78	0.46
10.90	1.18	0.96	0.57	13.50	4.03	3.79	0.45
10.95	1.20	0.98	0.60	13.55	4.04	3.80	0.42
11.00	1.22	1.00	0.62	13.60	4.05	3.82	0.40
11.05	1.24	1.02	0.67	13.65	4.06	3.83	0.39
11.10	1.26	1.05	0.70	13.70	4.08	3.84	0.39
11.15	1.29	1.07	0.76	13.75	4.09	3.85	0.38
11.20	1.31	1.10	0.79	13.80	4.10	3.86	0.38
11.25	1.34	1.12	0.84	13.85	4.11	3.88	0.37
11.30	1.37	1.15	0.87	13.90	4.12	3.89	0.37
11.35	1.40	1.18	0.93	13.95	4.13	3.90	0.36
11.40	1.43	1.21	0.96	14.00	4.15	3.91	0.35
11.45	1.47	1.25	1.00	14.05	4.16	3.92	0.34
11.50	1.50	1.28	1.03	14.10	4.17	3.93	0.34
11.55	1.55	1.33	1.41	14.15	4.18	3.94	0.33
11.60	1.60	1.38	1.58	14.20	4.19	3.95	0.33
11.65	1.65	1.43	1.64	14.25	4.20	3.96	0.32
11.70	1.71	1.49	1.68	14.30	4.21	3.97	0.32
11.75	1.78	1.56	2.10	14.35	4.22	3.98	0.31
11.80	1.86	1.63	2.30	14.40	4.23	3.99	0.31
11.85	1.96	1.73	2.91	14.45	4.24	4.00	0.30
11.90	2.06	1.84	3.23	14.50	4.25	4.01	0.29
11.95	2.24	2.01	4.79	14.55	4.26	4.02	0.29
12.00	2.42	2.19	5.56	14.60	4.27	4.03	0.28
12.05	2.71	2.48	8.07	14.65	4.27	4.04	0.27
12.10	3.01	2.78	**9.01**	14.70	4.28	4.05	0.27
12.15	3.11	2.88	5.07	14.75	4.29	4.06	0.26
12.20	3.21	2.98	3.29	14.80	4.30	4.06	0.26
12.25	3.29	3.05	2.59	14.85	4.31	4.07	0.25
12.30	3.36	3.13	2.31	14.90	4.31	4.08	0.25
12.35	3.42	3.18	1.88	14.95	4.32	4.09	0.24
12.40	3.47	3.24	1.69	15.00	4.33	4.09	0.23
12.45	3.52	3.29	1.63	15.05	4.34	4.10	0.23
12.50	3.57	3.34	1.59	15.10	4.34	4.11	0.22
12.55	3.60	3.37	1.21	15.15	4.35	4.12	0.22
12.60	3.64	3.40	1.04	15.20	4.36	4.12	0.22
12.65	3.67	3.43	0.99	15.25	4.36	4.13	0.22
12.70	3.70	3.47	0.97	15.30	4.37	4.14	0.22
12.75	3.73	3.49	0.91	15.35	4.38	4.14	0.21
12.80	3.76	3.52	0.88	15.40	4.39	4.15	0.21
12.85	3.78	3.55	0.82	15.45	4.39	4.16	0.21
12.90	3.81	3.57	0.80	15.50	4.40	4.16	0.21
12.95	3.83	3.60	0.74	15.55	4.41	4.17	0.21

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	4.18	0.21	18.20	4.68	4.45	0.13
15.65	4.42	4.18	0.20	18.25	4.69	4.45	0.13
15.70	4.42	4.19	0.20	18.30	4.69	4.46	0.13
15.75	4.43	4.20	0.20	18.35	4.70	4.46	0.13
15.80	4.44	4.20	0.20	18.40	4.70	4.46	0.13
15.85	4.44	4.21	0.20	18.45	4.70	4.47	0.12
15.90	4.45	4.21	0.20	18.50	4.71	4.47	0.12
15.95	4.46	4.22	0.19	18.55	4.71	4.48	0.12
16.00	4.46	4.23	0.19	18.60	4.72	4.48	0.12
16.05	4.47	4.23	0.19	18.65	4.72	4.48	0.12
16.10	4.47	4.24	0.19	18.70	4.72	4.49	0.12
16.15	4.48	4.24	0.19	18.75	4.73	4.49	0.12
16.20	4.49	4.25	0.19	18.80	4.73	4.50	0.12
16.25	4.49	4.26	0.19	18.85	4.74	4.50	0.12
16.30	4.50	4.26	0.18	18.90	4.74	4.50	0.12
16.35	4.50	4.27	0.18	18.95	4.74	4.51	0.12
16.40	4.51	4.27	0.18	19.00	4.75	4.51	0.12
16.45	4.52	4.28	0.18	19.05	4.75	4.51	0.12
16.50	4.52	4.29	0.18	19.10	4.76	4.52	0.12
16.55	4.53	4.29	0.18	19.15	4.76	4.52	0.12
16.60	4.53	4.30	0.18	19.20	4.76	4.53	0.12
16.65	4.54	4.30	0.17	19.25	4.77	4.53	0.12
16.70	4.54	4.31	0.17	19.30	4.77	4.53	0.12
16.75	4.55	4.31	0.17	19.35	4.77	4.54	0.12
16.80	4.55	4.32	0.17	19.40	4.78	4.54	0.12
16.85	4.56	4.32	0.17	19.45	4.78	4.55	0.12
16.90	4.57	4.33	0.17	19.50	4.79	4.55	0.12
16.95	4.57	4.33	0.16	19.55	4.79	4.55	0.12
17.00	4.58	4.34	0.16	19.60	4.79	4.56	0.12
17.05	4.58	4.34	0.16	19.65	4.80	4.56	0.12
17.10	4.59	4.35	0.16	19.70	4.80	4.56	0.12
17.15	4.59	4.35	0.16	19.75	4.80	4.57	0.12
17.20	4.60	4.36	0.16	19.80	4.81	4.57	0.11
17.25	4.60	4.36	0.15	19.85	4.81	4.57	0.11
17.30	4.61	4.37	0.15	19.90	4.81	4.58	0.11
17.35	4.61	4.37	0.15	19.95	4.82	4.58	0.11
17.40	4.61	4.38	0.15	20.00	4.82	4.59	0.11
17.45	4.62	4.38	0.15	20.05	4.83	4.59	0.11
17.50	4.62	4.39	0.15	20.10	4.83	4.59	0.11
17.55	4.63	4.39	0.14	20.15	4.83	4.60	0.11
17.60	4.63	4.40	0.14	20.20	4.84	4.60	0.11
17.65	4.64	4.40	0.14	20.25	4.84	4.60	0.11
17.70	4.64	4.41	0.14	20.30	4.84	4.61	0.11
17.75	4.65	4.41	0.14	20.35	4.85	4.61	0.11
17.80	4.65	4.42	0.14	20.40	4.85	4.61	0.11
17.85	4.66	4.42	0.14	20.45	4.85	4.62	0.11
17.90	4.66	4.42	0.13	20.50	4.86	4.62	0.11
17.95	4.66	4.43	0.13	20.55	4.86	4.62	0.11
18.00	4.67	4.43	0.13	20.60	4.86	4.63	0.11
18.05	4.67	4.44	0.13	20.65	4.87	4.63	0.11
18.10	4.68	4.44	0.13	20.70	4.87	4.63	0.11
18.15	4.68	4.44	0.13	20.75	4.87	4.64	0.11

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	4.64	0.11	23.40	5.04	4.80	0.09
20.85	4.88	4.64	0.11	23.45	5.04	4.80	0.09
20.90	4.88	4.65	0.11	23.50	5.04	4.81	0.08
20.95	4.89	4.65	0.10	23.55	5.04	4.81	0.08
21.00	4.89	4.65	0.10	23.60	5.05	4.81	0.08
21.05	4.89	4.66	0.10	23.65	5.05	4.81	0.08
21.10	4.90	4.66	0.10	23.70	5.05	4.82	0.08
21.15	4.90	4.66	0.10	23.75	5.06	4.82	0.08
21.20	4.90	4.67	0.10	23.80	5.06	4.82	0.08
21.25	4.91	4.67	0.10	23.85	5.06	4.82	0.08
21.30	4.91	4.67	0.10	23.90	5.06	4.83	0.08
21.35	4.91	4.68	0.10	23.95	5.07	4.83	0.10
21.40	4.92	4.68	0.10	24.00	**5.07**	**4.83**	0.10
21.45	4.92	4.68	0.10	24.05	5.07	4.83	0.03
21.50	4.92	4.69	0.10	24.10	5.07	4.83	0.00
21.55	4.93	4.69	0.10	24.15	5.07	4.83	0.00
21.60	4.93	4.69	0.10	24.20	5.07	4.83	0.00
21.65	4.93	4.70	0.10	24.25	5.07	4.83	0.00
21.70	4.94	4.70	0.10	24.30	5.07	4.83	0.00
21.75	4.94	4.70	0.10	24.35	5.07	4.83	0.00
21.80	4.94	4.71	0.10	24.40	5.07	4.83	0.00
21.85	4.95	4.71	0.10	24.45	5.07	4.83	0.00
21.90	4.95	4.71	0.10	24.50	5.07	4.83	0.00
21.95	4.95	4.72	0.10	24.55	5.07	4.83	0.00
22.00	4.96	4.72	0.10	24.60	5.07	4.83	0.00
22.05	4.96	4.72	0.10	24.65	5.07	4.83	0.00
22.10	4.96	4.72	0.10	24.70	5.07	4.83	0.00
22.15	4.96	4.73	0.10	24.75	5.07	4.83	0.00
22.20	4.97	4.73	0.10	24.80	5.07	4.83	0.00
22.25	4.97	4.73	0.09	24.85	5.07	4.83	0.00
22.30	4.97	4.74	0.09	24.90	5.07	4.83	0.00
22.35	4.98	4.74	0.09	24.95	5.07	4.83	0.00
22.40	4.98	4.74	0.09	25.00	5.07	4.83	0.00
22.45	4.98	4.75	0.09	25.05	5.07	4.83	0.00
22.50	4.99	4.75	0.09	25.10	5.07	4.83	0.00
22.55	4.99	4.75	0.09	25.15	5.07	4.83	0.00
22.60	4.99	4.75	0.09	25.20	5.07	4.83	0.00
22.65	4.99	4.76	0.09	25.25	5.07	4.83	0.00
22.70	5.00	4.76	0.09	25.30	5.07	4.83	0.00
22.75	5.00	4.76	0.09	25.35	5.07	4.83	0.00
22.80	5.00	4.77	0.09	25.40	5.07	4.83	0.00
22.85	5.01	4.77	0.09	25.45	5.07	4.83	0.00
22.90	5.01	4.77	0.09	25.50	5.07	4.83	0.00
22.95	5.01	4.77	0.09	25.55	5.07	4.83	0.00
23.00	5.01	4.78	0.09	25.60	5.07	4.83	0.00
23.05	5.02	4.78	0.09	25.65	5.07	4.83	0.00
23.10	5.02	4.78	0.09	25.70	5.07	4.83	0.00
23.15	5.02	4.79	0.09	25.75	5.07	4.83	0.00
23.20	5.03	4.79	0.09	25.80	5.07	4.83	0.00
23.25	5.03	4.79	0.09	25.85	5.07	4.83	0.00
23.30	5.03	4.79	0.09	25.90	5.07	4.83	0.00
23.35	5.03	4.80	0.09	25.95	5.07	4.83	0.00

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	4.83	0.00	28.60	5.07	4.83	0.00
26.05	5.07	4.83	0.00	28.65	5.07	4.83	0.00
26.10	5.07	4.83	0.00	28.70	5.07	4.83	0.00
26.15	5.07	4.83	0.00	28.75	5.07	4.83	0.00
26.20	5.07	4.83	0.00	28.80	5.07	4.83	0.00
26.25	5.07	4.83	0.00	28.85	5.07	4.83	0.00
26.30	5.07	4.83	0.00	28.90	5.07	4.83	0.00
26.35	5.07	4.83	0.00	28.95	5.07	4.83	0.00
26.40	5.07	4.83	0.00	29.00	5.07	4.83	0.00
26.45	5.07	4.83	0.00	29.05	5.07	4.83	0.00
26.50	5.07	4.83	0.00	29.10	5.07	4.83	0.00
26.55	5.07	4.83	0.00	29.15	5.07	4.83	0.00
26.60	5.07	4.83	0.00	29.20	5.07	4.83	0.00
26.65	5.07	4.83	0.00	29.25	5.07	4.83	0.00
26.70	5.07	4.83	0.00	29.30	5.07	4.83	0.00
26.75	5.07	4.83	0.00	29.35	5.07	4.83	0.00
26.80	5.07	4.83	0.00	29.40	5.07	4.83	0.00
26.85	5.07	4.83	0.00	29.45	5.07	4.83	0.00
26.90	5.07	4.83	0.00	29.50	5.07	4.83	0.00
26.95	5.07	4.83	0.00	29.55	5.07	4.83	0.00
27.00	5.07	4.83	0.00	29.60	5.07	4.83	0.00
27.05	5.07	4.83	0.00	29.65	5.07	4.83	0.00
27.10	5.07	4.83	0.00	29.70	5.07	4.83	0.00
27.15	5.07	4.83	0.00	29.75	5.07	4.83	0.00
27.20	5.07	4.83	0.00	29.80	5.07	4.83	0.00
27.25	5.07	4.83	0.00	29.85	5.07	4.83	0.00
27.30	5.07	4.83	0.00	29.90	5.07	4.83	0.00
27.35	5.07	4.83	0.00	29.95	5.07	4.83	0.00
27.40	5.07	4.83	0.00	30.00	5.07	4.83	0.00
27.45	5.07	4.83	0.00	30.05	5.07	4.83	0.00
27.50	5.07	4.83	0.00	30.10	5.07	4.83	0.00
27.55	5.07	4.83	0.00	30.15	5.07	4.83	0.00
27.60	5.07	4.83	0.00	30.20	5.07	4.83	0.00
27.65	5.07	4.83	0.00	30.25	5.07	4.83	0.00
27.70	5.07	4.83	0.00	30.30	5.07	4.83	0.00
27.75	5.07	4.83	0.00	30.35	5.07	4.83	0.00
27.80	5.07	4.83	0.00	30.40	5.07	4.83	0.00
27.85	5.07	4.83	0.00	30.45	5.07	4.83	0.00
27.90	5.07	4.83	0.00	30.50	5.07	4.83	0.00
27.95	5.07	4.83	0.00	30.55	5.07	4.83	0.00
28.00	5.07	4.83	0.00	30.60	5.07	4.83	0.00
28.05	5.07	4.83	0.00	30.65	5.07	4.83	0.00
28.10	5.07	4.83	0.00	30.70	5.07	4.83	0.00
28.15	5.07	4.83	0.00	30.75	5.07	4.83	0.00
28.20	5.07	4.83	0.00	30.80	5.07	4.83	0.00
28.25	5.07	4.83	0.00	30.85	5.07	4.83	0.00
28.30	5.07	4.83	0.00	30.90	5.07	4.83	0.00
28.35	5.07	4.83	0.00	30.95	5.07	4.83	0.00
28.40	5.07	4.83	0.00	31.00	5.07	4.83	0.00
28.45	5.07	4.83	0.00	31.05	5.07	4.83	0.00
28.50	5.07	4.83	0.00	31.10	5.07	4.83	0.00
28.55	5.07	4.83	0.00	31.15	5.07	4.83	0.00

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	4.83	0.00	33.80	5.07	4.83	0.00
31.25	5.07	4.83	0.00	33.85	5.07	4.83	0.00
31.30	5.07	4.83	0.00	33.90	5.07	4.83	0.00
31.35	5.07	4.83	0.00	33.95	5.07	4.83	0.00
31.40	5.07	4.83	0.00	34.00	5.07	4.83	0.00
31.45	5.07	4.83	0.00	34.05	5.07	4.83	0.00
31.50	5.07	4.83	0.00	34.10	5.07	4.83	0.00
31.55	5.07	4.83	0.00	34.15	5.07	4.83	0.00
31.60	5.07	4.83	0.00	34.20	5.07	4.83	0.00
31.65	5.07	4.83	0.00	34.25	5.07	4.83	0.00
31.70	5.07	4.83	0.00	34.30	5.07	4.83	0.00
31.75	5.07	4.83	0.00	34.35	5.07	4.83	0.00
31.80	5.07	4.83	0.00	34.40	5.07	4.83	0.00
31.85	5.07	4.83	0.00	34.45	5.07	4.83	0.00
31.90	5.07	4.83	0.00	34.50	5.07	4.83	0.00
31.95	5.07	4.83	0.00	34.55	5.07	4.83	0.00
32.00	5.07	4.83	0.00	34.60	5.07	4.83	0.00
32.05	5.07	4.83	0.00	34.65	5.07	4.83	0.00
32.10	5.07	4.83	0.00	34.70	5.07	4.83	0.00
32.15	5.07	4.83	0.00	34.75	5.07	4.83	0.00
32.20	5.07	4.83	0.00	34.80	5.07	4.83	0.00
32.25	5.07	4.83	0.00	34.85	5.07	4.83	0.00
32.30	5.07	4.83	0.00	34.90	5.07	4.83	0.00
32.35	5.07	4.83	0.00	34.95	5.07	4.83	0.00
32.40	5.07	4.83	0.00	35.00	5.07	4.83	0.00
32.45	5.07	4.83	0.00	35.05	5.07	4.83	0.00
32.50	5.07	4.83	0.00	35.10	5.07	4.83	0.00
32.55	5.07	4.83	0.00	35.15	5.07	4.83	0.00
32.60	5.07	4.83	0.00	35.20	5.07	4.83	0.00
32.65	5.07	4.83	0.00	35.25	5.07	4.83	0.00
32.70	5.07	4.83	0.00	35.30	5.07	4.83	0.00
32.75	5.07	4.83	0.00	35.35	5.07	4.83	0.00
32.80	5.07	4.83	0.00	35.40	5.07	4.83	0.00
32.85	5.07	4.83	0.00	35.45	5.07	4.83	0.00
32.90	5.07	4.83	0.00	35.50	5.07	4.83	0.00
32.95	5.07	4.83	0.00	35.55	5.07	4.83	0.00
33.00	5.07	4.83	0.00	35.60	5.07	4.83	0.00
33.05	5.07	4.83	0.00	35.65	5.07	4.83	0.00
33.10	5.07	4.83	0.00	35.70	5.07	4.83	0.00
33.15	5.07	4.83	0.00	35.75	5.07	4.83	0.00
33.20	5.07	4.83	0.00	35.80	5.07	4.83	0.00
33.25	5.07	4.83	0.00	35.85	5.07	4.83	0.00
33.30	5.07	4.83	0.00	35.90	5.07	4.83	0.00
33.35	5.07	4.83	0.00	35.95	5.07	4.83	0.00
33.40	5.07	4.83	0.00	36.00	5.07	4.83	0.00
33.45	5.07	4.83	0.00	36.05	5.07	4.83	0.00
33.50	5.07	4.83	0.00	36.10	5.07	4.83	0.00
33.55	5.07	4.83	0.00	36.15	5.07	4.83	0.00
33.60	5.07	4.83	0.00	36.20	5.07	4.83	0.00
33.65	5.07	4.83	0.00	36.25	5.07	4.83	0.00
33.70	5.07	4.83	0.00	36.30	5.07	4.83	0.00
33.75	5.07	4.83	0.00	36.35	5.07	4.83	0.00

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	4.83	0.00
36.45	5.07	4.83	0.00
36.50	5.07	4.83	0.00
36.55	5.07	4.83	0.00
36.60	5.07	4.83	0.00
36.65	5.07	4.83	0.00
36.70	5.07	4.83	0.00
36.75	5.07	4.83	0.00
36.80	5.07	4.83	0.00
36.85	5.07	4.83	0.00
36.90	5.07	4.83	0.00
36.95	5.07	4.83	0.00
37.00	5.07	4.83	0.00
37.05	5.07	4.83	0.00
37.10	5.07	4.83	0.00
37.15	5.07	4.83	0.00
37.20	5.07	4.83	0.00
37.25	5.07	4.83	0.00
37.30	5.07	4.83	0.00
37.35	5.07	4.83	0.00
37.40	5.07	4.83	0.00
37.45	5.07	4.83	0.00
37.50	5.07	4.83	0.00
37.55	5.07	4.83	0.00
37.60	5.07	4.83	0.00
37.65	5.07	4.83	0.00
37.70	5.07	4.83	0.00
37.75	5.07	4.83	0.00
37.80	5.07	4.83	0.00
37.85	5.07	4.83	0.00
37.90	5.07	4.83	0.00
37.95	5.07	4.83	0.00
38.00	5.07	4.83	0.00
38.05	5.07	4.83	0.00
38.10	5.07	4.83	0.00
38.15	5.07	4.83	0.00
38.20	5.07	4.83	0.00
38.25	5.07	4.83	0.00
38.30	5.07	4.83	0.00
38.35	5.07	4.83	0.00
38.40	5.07	4.83	0.00
38.45	5.07	4.83	0.00
38.50	5.07	4.83	0.00
38.55	5.07	4.83	0.00
38.60	5.07	4.83	0.00
38.65	5.07	4.83	0.00
38.70	5.07	4.83	0.00
38.75	5.07	4.83	0.00
38.80	5.07	4.83	0.00
38.85	5.07	4.83	0.00
38.90	5.07	4.83	0.00
38.95	5.07	4.83	0.00
39.00	5.07	4.83	0.00
39.05	5.07	4.83	0.00
39.10	5.07	4.83	0.00
39.15	5.07	4.83	0.00
39.20	5.07	4.83	0.00
39.25	5.07	4.83	0.00
39.30	5.07	4.83	0.00
39.35	5.07	4.83	0.00
39.40	5.07	4.83	0.00
39.45	5.07	4.83	0.00
39.50	5.07	4.83	0.00
39.55	5.07	4.83	0.00
39.60	5.07	4.83	0.00
39.65	5.07	4.83	0.00
39.70	5.07	4.83	0.00
39.75	5.07	4.83	0.00
39.80	5.07	4.83	0.00
39.85	5.07	4.83	0.00
39.90	5.07	4.83	0.00
39.95	5.07	4.83	0.00
40.00	5.07	4.83	0.00

Summary for Subcatchment 54P: PDA-54 (pervious)

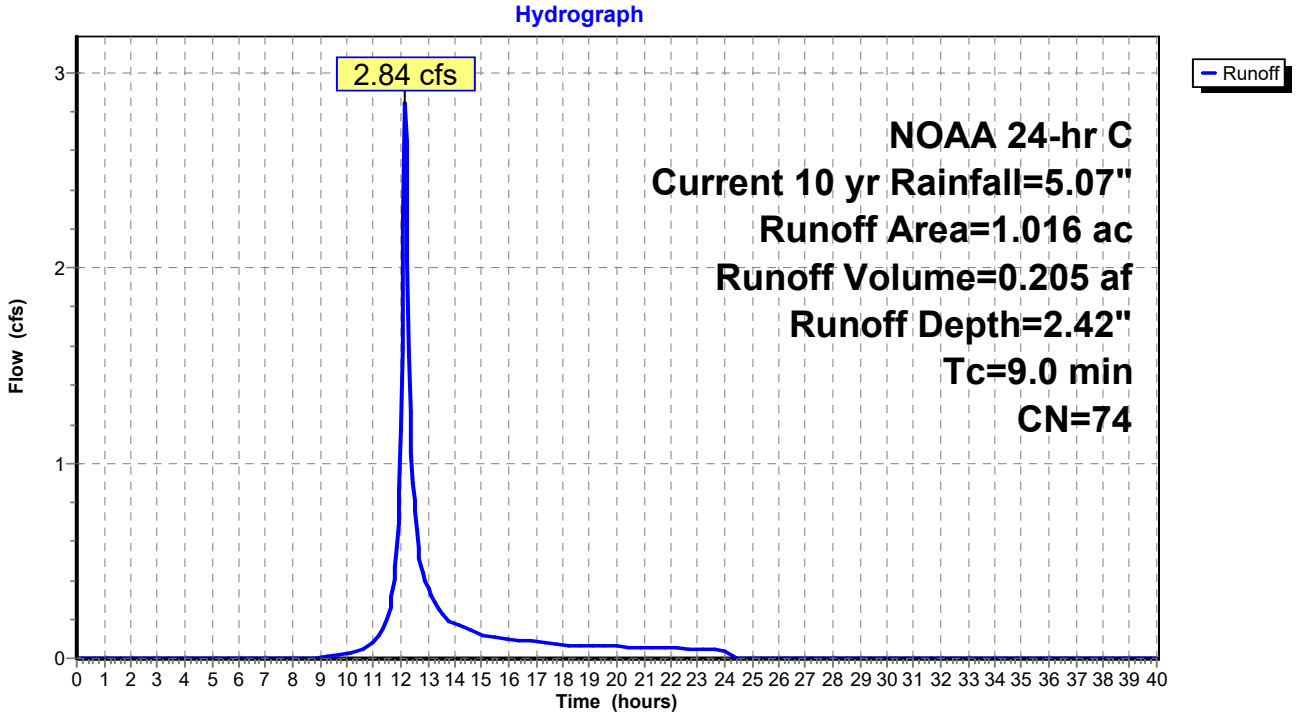
Runoff = 2.84 cfs @ 12.16 hrs, Volume= 0.205 af, Depth= 2.42"
Routed to Pond B-54 : Basin #54

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
1.016	74	>75% Grass cover, Good, HSG C
1.016		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.0					**Direct Entry,**

Subcatchment 54P: PDA-54 (pervious)



Hydrograph for Subcatchment 54P: PDA-54 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.00
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.00
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.00
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.00
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.00
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.01
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.01
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.01
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.01
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.01
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.01
7.00	0.49	0.00	0.00	9.60	0.84	0.01	0.01
7.05	0.50	0.00	0.00	9.65	0.85	0.01	0.01
7.10	0.50	0.00	0.00	9.70	0.86	0.01	0.01
7.15	0.51	0.00	0.00	9.75	0.87	0.01	0.01
7.20	0.52	0.00	0.00	9.80	0.88	0.01	0.02
7.25	0.52	0.00	0.00	9.85	0.89	0.01	0.02
7.30	0.53	0.00	0.00	9.90	0.90	0.01	0.02
7.35	0.53	0.00	0.00	9.95	0.91	0.01	0.02
7.40	0.54	0.00	0.00	10.00	0.92	0.01	0.02
7.45	0.54	0.00	0.00	10.05	0.94	0.01	0.02
7.50	0.55	0.00	0.00	10.10	0.95	0.02	0.02
7.55	0.55	0.00	0.00	10.15	0.96	0.02	0.03
7.60	0.56	0.00	0.00	10.20	0.97	0.02	0.03
7.65	0.57	0.00	0.00	10.25	0.98	0.02	0.03
7.70	0.57	0.00	0.00	10.30	0.99	0.02	0.03
7.75	0.58	0.00	0.00	10.35	1.01	0.02	0.03

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.03	0.04	13.00	3.85	1.49	0.37
10.45	1.03	0.03	0.04	13.05	3.87	1.50	0.35
10.50	1.04	0.03	0.04	13.10	3.89	1.52	0.33
10.55	1.06	0.03	0.04	13.15	3.91	1.53	0.31
10.60	1.07	0.04	0.04	13.20	3.93	1.55	0.30
10.65	1.09	0.04	0.05	13.25	3.95	1.56	0.29
10.70	1.10	0.04	0.05	13.30	3.97	1.57	0.28
10.75	1.12	0.04	0.06	13.35	3.98	1.58	0.27
10.80	1.14	0.05	0.06	13.40	4.00	1.59	0.25
10.85	1.16	0.05	0.07	13.45	4.01	1.60	0.24
10.90	1.18	0.06	0.07	13.50	4.03	1.61	0.23
10.95	1.20	0.06	0.08	13.55	4.04	1.62	0.22
11.00	1.22	0.07	0.08	13.60	4.05	1.63	0.21
11.05	1.24	0.07	0.09	13.65	4.06	1.64	0.20
11.10	1.26	0.08	0.10	13.70	4.08	1.65	0.20
11.15	1.29	0.08	0.11	13.75	4.09	1.66	0.19
11.20	1.31	0.09	0.12	13.80	4.10	1.67	0.19
11.25	1.34	0.10	0.13	13.85	4.11	1.68	0.19
11.30	1.37	0.11	0.14	13.90	4.12	1.69	0.18
11.35	1.40	0.12	0.15	13.95	4.13	1.70	0.18
11.40	1.43	0.13	0.17	14.00	4.15	1.70	0.18
11.45	1.47	0.14	0.18	14.05	4.16	1.71	0.17
11.50	1.50	0.15	0.20	14.10	4.17	1.72	0.17
11.55	1.55	0.16	0.21	14.15	4.18	1.73	0.17
11.60	1.60	0.18	0.26	14.20	4.19	1.74	0.17
11.65	1.65	0.20	0.31	14.25	4.20	1.74	0.16
11.70	1.71	0.22	0.36	14.30	4.21	1.75	0.16
11.75	1.78	0.25	0.40	14.35	4.22	1.76	0.16
11.80	1.86	0.29	0.47	14.40	4.23	1.77	0.15
11.85	1.96	0.33	0.56	14.45	4.24	1.77	0.15
11.90	2.06	0.38	0.69	14.50	4.25	1.78	0.15
11.95	2.24	0.47	0.86	14.55	4.26	1.79	0.15
12.00	2.42	0.56	1.17	14.60	4.27	1.79	0.14
12.05	2.71	0.73	1.59	14.65	4.27	1.80	0.14
12.10	3.01	0.91	2.22	14.70	4.28	1.81	0.14
12.15	3.11	0.98	**2.81**	14.75	4.29	1.81	0.14
12.20	3.21	1.05	2.65	14.80	4.30	1.82	0.13
12.25	3.29	1.10	2.03	14.85	4.31	1.82	0.13
12.30	3.36	1.15	1.56	14.90	4.31	1.83	0.13
12.35	3.42	1.18	1.26	14.95	4.32	1.84	0.12
12.40	3.47	1.22	1.05	15.00	4.33	1.84	0.12
12.45	3.52	1.25	0.90	15.05	4.34	1.85	0.12
12.50	3.57	1.29	0.81	15.10	4.34	1.85	0.12
12.55	3.60	1.31	0.75	15.15	4.35	1.86	0.11
12.60	3.64	1.34	0.66	15.20	4.36	1.86	0.11
12.65	3.67	1.36	0.57	15.25	4.36	1.87	0.11
12.70	3.70	1.38	0.51	15.30	4.37	1.87	0.11
12.75	3.73	1.40	0.47	15.35	4.38	1.88	0.11
12.80	3.76	1.42	0.45	15.40	4.39	1.88	0.11
12.85	3.78	1.44	0.43	15.45	4.39	1.89	0.11
12.90	3.81	1.46	0.41	15.50	4.40	1.89	0.11
12.95	3.83	1.47	0.39	15.55	4.41	1.90	0.11

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	1.90	0.10	18.20	4.68	2.12	0.07
15.65	4.42	1.91	0.10	18.25	4.69	2.12	0.07
15.70	4.42	1.91	0.10	18.30	4.69	2.12	0.06
15.75	4.43	1.92	0.10	18.35	4.70	2.12	0.06
15.80	4.44	1.92	0.10	18.40	4.70	2.13	0.06
15.85	4.44	1.93	0.10	18.45	4.70	2.13	0.06
15.90	4.45	1.93	0.10	18.50	4.71	2.13	0.06
15.95	4.46	1.94	0.10	18.55	4.71	2.14	0.06
16.00	4.46	1.94	0.10	18.60	4.72	2.14	0.06
16.05	4.47	1.95	0.10	18.65	4.72	2.14	0.06
16.10	4.47	1.95	0.10	18.70	4.72	2.15	0.06
16.15	4.48	1.96	0.10	18.75	4.73	2.15	0.06
16.20	4.49	1.96	0.10	18.80	4.73	2.15	0.06
16.25	4.49	1.97	0.10	18.85	4.74	2.16	0.06
16.30	4.50	1.97	0.09	18.90	4.74	2.16	0.06
16.35	4.50	1.98	0.09	18.95	4.74	2.16	0.06
16.40	4.51	1.98	0.09	19.00	4.75	2.16	0.06
16.45	4.52	1.98	0.09	19.05	4.75	2.17	0.06
16.50	4.52	1.99	0.09	19.10	4.76	2.17	0.06
16.55	4.53	1.99	0.09	19.15	4.76	2.17	0.06
16.60	4.53	2.00	0.09	19.20	4.76	2.18	0.06
16.65	4.54	2.00	0.09	19.25	4.77	2.18	0.06
16.70	4.54	2.01	0.09	19.30	4.77	2.18	0.06
16.75	4.55	2.01	0.09	19.35	4.77	2.19	0.06
16.80	4.55	2.01	0.09	19.40	4.78	2.19	0.06
16.85	4.56	2.02	0.09	19.45	4.78	2.19	0.06
16.90	4.57	2.02	0.09	19.50	4.79	2.19	0.06
16.95	4.57	2.03	0.08	19.55	4.79	2.20	0.06
17.00	4.58	2.03	0.08	19.60	4.79	2.20	0.06
17.05	4.58	2.03	0.08	19.65	4.80	2.20	0.06
17.10	4.59	2.04	0.08	19.70	4.80	2.21	0.06
17.15	4.59	2.04	0.08	19.75	4.80	2.21	0.06
17.20	4.60	2.05	0.08	19.80	4.81	2.21	0.06
17.25	4.60	2.05	0.08	19.85	4.81	2.21	0.06
17.30	4.61	2.05	0.08	19.90	4.81	2.22	0.06
17.35	4.61	2.06	0.08	19.95	4.82	2.22	0.06
17.40	4.61	2.06	0.08	20.00	4.82	2.22	0.06
17.45	4.62	2.06	0.08	20.05	4.83	2.23	0.06
17.50	4.62	2.07	0.08	20.10	4.83	2.23	0.06
17.55	4.63	2.07	0.08	20.15	4.83	2.23	0.06
17.60	4.63	2.08	0.07	20.20	4.84	2.23	0.06
17.65	4.64	2.08	0.07	20.25	4.84	2.24	0.06
17.70	4.64	2.08	0.07	20.30	4.84	2.24	0.06
17.75	4.65	2.09	0.07	20.35	4.85	2.24	0.06
17.80	4.65	2.09	0.07	20.40	4.85	2.25	0.06
17.85	4.66	2.09	0.07	20.45	4.85	2.25	0.06
17.90	4.66	2.10	0.07	20.50	4.86	2.25	0.06
17.95	4.66	2.10	0.07	20.55	4.86	2.25	0.06
18.00	4.67	2.10	0.07	20.60	4.86	2.26	0.06
18.05	4.67	2.11	0.07	20.65	4.87	2.26	0.06
18.10	4.68	2.11	0.07	20.70	4.87	2.26	0.06
18.15	4.68	2.11	0.07	20.75	4.87	2.26	0.06

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	2.27	0.06	23.40	5.04	2.39	0.05
20.85	4.88	2.27	0.06	23.45	5.04	2.40	0.05
20.90	4.88	2.27	0.06	23.50	5.04	2.40	0.05
20.95	4.89	2.28	0.05	23.55	5.04	2.40	0.04
21.00	4.89	2.28	0.05	23.60	5.05	2.40	0.04
21.05	4.89	2.28	0.05	23.65	5.05	2.40	0.04
21.10	4.90	2.28	0.05	23.70	5.05	2.41	0.04
21.15	4.90	2.29	0.05	23.75	5.06	2.41	0.04
21.20	4.90	2.29	0.05	23.80	5.06	2.41	0.04
21.25	4.91	2.29	0.05	23.85	5.06	2.41	0.04
21.30	4.91	2.29	0.05	23.90	5.06	2.42	0.04
21.35	4.91	2.30	0.05	23.95	5.07	2.42	0.04
21.40	4.92	2.30	0.05	24.00	**5.07**	**2.42**	0.05
21.45	4.92	2.30	0.05	24.05	5.07	2.42	0.05
21.50	4.92	2.30	0.05	24.10	5.07	2.42	0.04
21.55	4.93	2.31	0.05	24.15	5.07	2.42	0.02
21.60	4.93	2.31	0.05	24.20	5.07	2.42	0.01
21.65	4.93	2.31	0.05	24.25	5.07	2.42	0.00
21.70	4.94	2.31	0.05	24.30	5.07	2.42	0.00
21.75	4.94	2.32	0.05	24.35	5.07	2.42	0.00
21.80	4.94	2.32	0.05	24.40	5.07	2.42	0.00
21.85	4.95	2.32	0.05	24.45	5.07	2.42	0.00
21.90	4.95	2.32	0.05	24.50	5.07	2.42	0.00
21.95	4.95	2.33	0.05	24.55	5.07	2.42	0.00
22.00	4.96	2.33	0.05	24.60	5.07	2.42	0.00
22.05	4.96	2.33	0.05	24.65	5.07	2.42	0.00
22.10	4.96	2.33	0.05	24.70	5.07	2.42	0.00
22.15	4.96	2.34	0.05	24.75	5.07	2.42	0.00
22.20	4.97	2.34	0.05	24.80	5.07	2.42	0.00
22.25	4.97	2.34	0.05	24.85	5.07	2.42	0.00
22.30	4.97	2.34	0.05	24.90	5.07	2.42	0.00
22.35	4.98	2.35	0.05	24.95	5.07	2.42	0.00
22.40	4.98	2.35	0.05	25.00	5.07	2.42	0.00
22.45	4.98	2.35	0.05	25.05	5.07	2.42	0.00
22.50	4.99	2.35	0.05	25.10	5.07	2.42	0.00
22.55	4.99	2.36	0.05	25.15	5.07	2.42	0.00
22.60	4.99	2.36	0.05	25.20	5.07	2.42	0.00
22.65	4.99	2.36	0.05	25.25	5.07	2.42	0.00
22.70	5.00	2.36	0.05	25.30	5.07	2.42	0.00
22.75	5.00	2.36	0.05	25.35	5.07	2.42	0.00
22.80	5.00	2.37	0.05	25.40	5.07	2.42	0.00
22.85	5.01	2.37	0.05	25.45	5.07	2.42	0.00
22.90	5.01	2.37	0.05	25.50	5.07	2.42	0.00
22.95	5.01	2.37	0.05	25.55	5.07	2.42	0.00
23.00	5.01	2.38	0.05	25.60	5.07	2.42	0.00
23.05	5.02	2.38	0.05	25.65	5.07	2.42	0.00
23.10	5.02	2.38	0.05	25.70	5.07	2.42	0.00
23.15	5.02	2.38	0.05	25.75	5.07	2.42	0.00
23.20	5.03	2.38	0.05	25.80	5.07	2.42	0.00
23.25	5.03	2.39	0.05	25.85	5.07	2.42	0.00
23.30	5.03	2.39	0.05	25.90	5.07	2.42	0.00
23.35	5.03	2.39	0.05	25.95	5.07	2.42	0.00

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	2.42	0.00	28.60	5.07	2.42	0.00
26.05	5.07	2.42	0.00	28.65	5.07	2.42	0.00
26.10	5.07	2.42	0.00	28.70	5.07	2.42	0.00
26.15	5.07	2.42	0.00	28.75	5.07	2.42	0.00
26.20	5.07	2.42	0.00	28.80	5.07	2.42	0.00
26.25	5.07	2.42	0.00	28.85	5.07	2.42	0.00
26.30	5.07	2.42	0.00	28.90	5.07	2.42	0.00
26.35	5.07	2.42	0.00	28.95	5.07	2.42	0.00
26.40	5.07	2.42	0.00	29.00	5.07	2.42	0.00
26.45	5.07	2.42	0.00	29.05	5.07	2.42	0.00
26.50	5.07	2.42	0.00	29.10	5.07	2.42	0.00
26.55	5.07	2.42	0.00	29.15	5.07	2.42	0.00
26.60	5.07	2.42	0.00	29.20	5.07	2.42	0.00
26.65	5.07	2.42	0.00	29.25	5.07	2.42	0.00
26.70	5.07	2.42	0.00	29.30	5.07	2.42	0.00
26.75	5.07	2.42	0.00	29.35	5.07	2.42	0.00
26.80	5.07	2.42	0.00	29.40	5.07	2.42	0.00
26.85	5.07	2.42	0.00	29.45	5.07	2.42	0.00
26.90	5.07	2.42	0.00	29.50	5.07	2.42	0.00
26.95	5.07	2.42	0.00	29.55	5.07	2.42	0.00
27.00	5.07	2.42	0.00	29.60	5.07	2.42	0.00
27.05	5.07	2.42	0.00	29.65	5.07	2.42	0.00
27.10	5.07	2.42	0.00	29.70	5.07	2.42	0.00
27.15	5.07	2.42	0.00	29.75	5.07	2.42	0.00
27.20	5.07	2.42	0.00	29.80	5.07	2.42	0.00
27.25	5.07	2.42	0.00	29.85	5.07	2.42	0.00
27.30	5.07	2.42	0.00	29.90	5.07	2.42	0.00
27.35	5.07	2.42	0.00	29.95	5.07	2.42	0.00
27.40	5.07	2.42	0.00	30.00	5.07	2.42	0.00
27.45	5.07	2.42	0.00	30.05	5.07	2.42	0.00
27.50	5.07	2.42	0.00	30.10	5.07	2.42	0.00
27.55	5.07	2.42	0.00	30.15	5.07	2.42	0.00
27.60	5.07	2.42	0.00	30.20	5.07	2.42	0.00
27.65	5.07	2.42	0.00	30.25	5.07	2.42	0.00
27.70	5.07	2.42	0.00	30.30	5.07	2.42	0.00
27.75	5.07	2.42	0.00	30.35	5.07	2.42	0.00
27.80	5.07	2.42	0.00	30.40	5.07	2.42	0.00
27.85	5.07	2.42	0.00	30.45	5.07	2.42	0.00
27.90	5.07	2.42	0.00	30.50	5.07	2.42	0.00
27.95	5.07	2.42	0.00	30.55	5.07	2.42	0.00
28.00	5.07	2.42	0.00	30.60	5.07	2.42	0.00
28.05	5.07	2.42	0.00	30.65	5.07	2.42	0.00
28.10	5.07	2.42	0.00	30.70	5.07	2.42	0.00
28.15	5.07	2.42	0.00	30.75	5.07	2.42	0.00
28.20	5.07	2.42	0.00	30.80	5.07	2.42	0.00
28.25	5.07	2.42	0.00	30.85	5.07	2.42	0.00
28.30	5.07	2.42	0.00	30.90	5.07	2.42	0.00
28.35	5.07	2.42	0.00	30.95	5.07	2.42	0.00
28.40	5.07	2.42	0.00	31.00	5.07	2.42	0.00
28.45	5.07	2.42	0.00	31.05	5.07	2.42	0.00
28.50	5.07	2.42	0.00	31.10	5.07	2.42	0.00
28.55	5.07	2.42	0.00	31.15	5.07	2.42	0.00

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	2.42	0.00	33.80	5.07	2.42	0.00
31.25	5.07	2.42	0.00	33.85	5.07	2.42	0.00
31.30	5.07	2.42	0.00	33.90	5.07	2.42	0.00
31.35	5.07	2.42	0.00	33.95	5.07	2.42	0.00
31.40	5.07	2.42	0.00	34.00	5.07	2.42	0.00
31.45	5.07	2.42	0.00	34.05	5.07	2.42	0.00
31.50	5.07	2.42	0.00	34.10	5.07	2.42	0.00
31.55	5.07	2.42	0.00	34.15	5.07	2.42	0.00
31.60	5.07	2.42	0.00	34.20	5.07	2.42	0.00
31.65	5.07	2.42	0.00	34.25	5.07	2.42	0.00
31.70	5.07	2.42	0.00	34.30	5.07	2.42	0.00
31.75	5.07	2.42	0.00	34.35	5.07	2.42	0.00
31.80	5.07	2.42	0.00	34.40	5.07	2.42	0.00
31.85	5.07	2.42	0.00	34.45	5.07	2.42	0.00
31.90	5.07	2.42	0.00	34.50	5.07	2.42	0.00
31.95	5.07	2.42	0.00	34.55	5.07	2.42	0.00
32.00	5.07	2.42	0.00	34.60	5.07	2.42	0.00
32.05	5.07	2.42	0.00	34.65	5.07	2.42	0.00
32.10	5.07	2.42	0.00	34.70	5.07	2.42	0.00
32.15	5.07	2.42	0.00	34.75	5.07	2.42	0.00
32.20	5.07	2.42	0.00	34.80	5.07	2.42	0.00
32.25	5.07	2.42	0.00	34.85	5.07	2.42	0.00
32.30	5.07	2.42	0.00	34.90	5.07	2.42	0.00
32.35	5.07	2.42	0.00	34.95	5.07	2.42	0.00
32.40	5.07	2.42	0.00	35.00	5.07	2.42	0.00
32.45	5.07	2.42	0.00	35.05	5.07	2.42	0.00
32.50	5.07	2.42	0.00	35.10	5.07	2.42	0.00
32.55	5.07	2.42	0.00	35.15	5.07	2.42	0.00
32.60	5.07	2.42	0.00	35.20	5.07	2.42	0.00
32.65	5.07	2.42	0.00	35.25	5.07	2.42	0.00
32.70	5.07	2.42	0.00	35.30	5.07	2.42	0.00
32.75	5.07	2.42	0.00	35.35	5.07	2.42	0.00
32.80	5.07	2.42	0.00	35.40	5.07	2.42	0.00
32.85	5.07	2.42	0.00	35.45	5.07	2.42	0.00
32.90	5.07	2.42	0.00	35.50	5.07	2.42	0.00
32.95	5.07	2.42	0.00	35.55	5.07	2.42	0.00
33.00	5.07	2.42	0.00	35.60	5.07	2.42	0.00
33.05	5.07	2.42	0.00	35.65	5.07	2.42	0.00
33.10	5.07	2.42	0.00	35.70	5.07	2.42	0.00
33.15	5.07	2.42	0.00	35.75	5.07	2.42	0.00
33.20	5.07	2.42	0.00	35.80	5.07	2.42	0.00
33.25	5.07	2.42	0.00	35.85	5.07	2.42	0.00
33.30	5.07	2.42	0.00	35.90	5.07	2.42	0.00
33.35	5.07	2.42	0.00	35.95	5.07	2.42	0.00
33.40	5.07	2.42	0.00	36.00	5.07	2.42	0.00
33.45	5.07	2.42	0.00	36.05	5.07	2.42	0.00
33.50	5.07	2.42	0.00	36.10	5.07	2.42	0.00
33.55	5.07	2.42	0.00	36.15	5.07	2.42	0.00
33.60	5.07	2.42	0.00	36.20	5.07	2.42	0.00
33.65	5.07	2.42	0.00	36.25	5.07	2.42	0.00
33.70	5.07	2.42	0.00	36.30	5.07	2.42	0.00
33.75	5.07	2.42	0.00	36.35	5.07	2.42	0.00

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	2.42	0.00
36.45	5.07	2.42	0.00
36.50	5.07	2.42	0.00
36.55	5.07	2.42	0.00
36.60	5.07	2.42	0.00
36.65	5.07	2.42	0.00
36.70	5.07	2.42	0.00
36.75	5.07	2.42	0.00
36.80	5.07	2.42	0.00
36.85	5.07	2.42	0.00
36.90	5.07	2.42	0.00
36.95	5.07	2.42	0.00
37.00	5.07	2.42	0.00
37.05	5.07	2.42	0.00
37.10	5.07	2.42	0.00
37.15	5.07	2.42	0.00
37.20	5.07	2.42	0.00
37.25	5.07	2.42	0.00
37.30	5.07	2.42	0.00
37.35	5.07	2.42	0.00
37.40	5.07	2.42	0.00
37.45	5.07	2.42	0.00
37.50	5.07	2.42	0.00
37.55	5.07	2.42	0.00
37.60	5.07	2.42	0.00
37.65	5.07	2.42	0.00
37.70	5.07	2.42	0.00
37.75	5.07	2.42	0.00
37.80	5.07	2.42	0.00
37.85	5.07	2.42	0.00
37.90	5.07	2.42	0.00
37.95	5.07	2.42	0.00
38.00	5.07	2.42	0.00
38.05	5.07	2.42	0.00
38.10	5.07	2.42	0.00
38.15	5.07	2.42	0.00
38.20	5.07	2.42	0.00
38.25	5.07	2.42	0.00
38.30	5.07	2.42	0.00
38.35	5.07	2.42	0.00
38.40	5.07	2.42	0.00
38.45	5.07	2.42	0.00
38.50	5.07	2.42	0.00
38.55	5.07	2.42	0.00
38.60	5.07	2.42	0.00
38.65	5.07	2.42	0.00
38.70	5.07	2.42	0.00
38.75	5.07	2.42	0.00
38.80	5.07	2.42	0.00
38.85	5.07	2.42	0.00
38.90	5.07	2.42	0.00
38.95	5.07	2.42	0.00
39.00	5.07	2.42	0.00
39.05	5.07	2.42	0.00
39.10	5.07	2.42	0.00
39.15	5.07	2.42	0.00
39.20	5.07	2.42	0.00
39.25	5.07	2.42	0.00
39.30	5.07	2.42	0.00
39.35	5.07	2.42	0.00
39.40	5.07	2.42	0.00
39.45	5.07	2.42	0.00
39.50	5.07	2.42	0.00
39.55	5.07	2.42	0.00
39.60	5.07	2.42	0.00
39.65	5.07	2.42	0.00
39.70	5.07	2.42	0.00
39.75	5.07	2.42	0.00
39.80	5.07	2.42	0.00
39.85	5.07	2.42	0.00
39.90	5.07	2.42	0.00
39.95	5.07	2.42	0.00
40.00	5.07	2.42	0.00

Summary for Subcatchment 55l: PDA-55 (impervious)

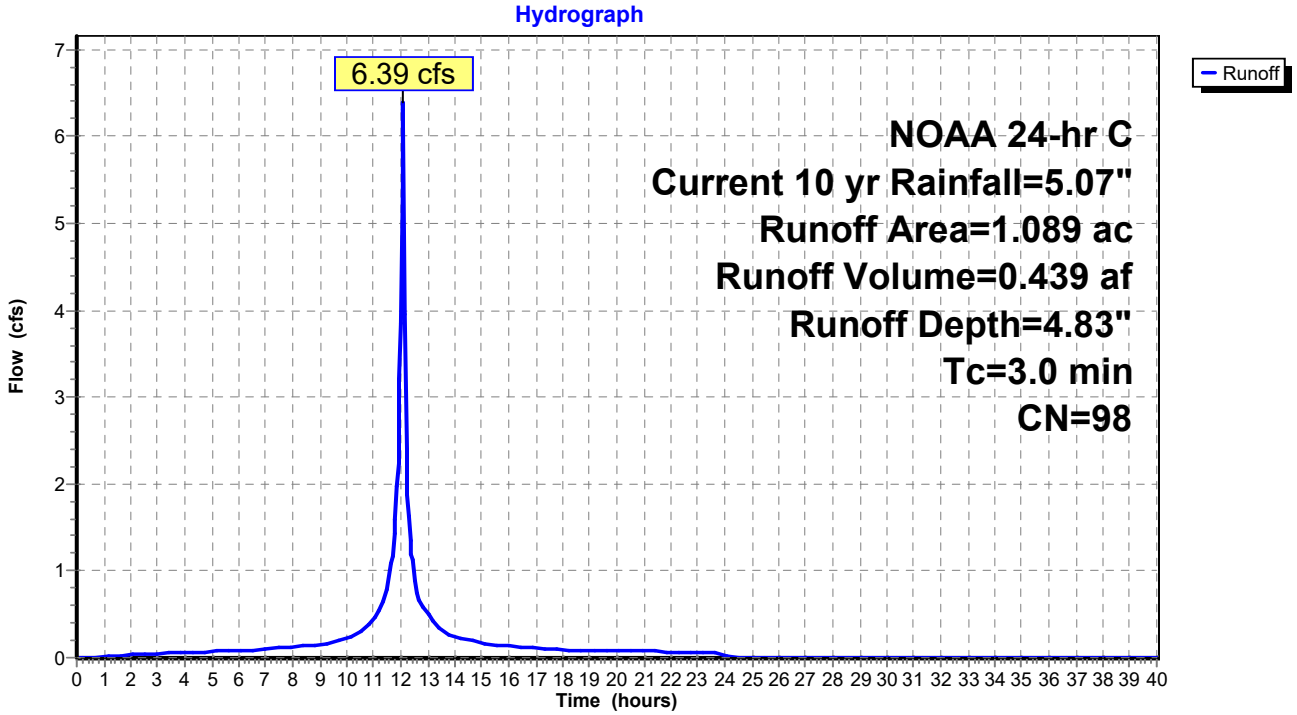
Runoff = 6.39 cfs @ 12.09 hrs, Volume= 0.439 af, Depth= 4.83"
Routed to Pond B-55 : Basin #55

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

	Area (ac)	CN	Description
*	0.467	98	Pavement, HSG C
*	0.574	98	Roof, HSG C
*	0.048	98	Concrete, HSG C
	1.089	98	Weighted Average
	1.089		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.0					**Direct Entry,**

Subcatchment 55l: PDA-55 (impervious)



Hydrograph for Subcatchment 55I: PDA-55 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.04	0.04
0.05	0.00	0.00	0.00	2.65	0.16	0.04	0.04
0.10	0.01	0.00	0.00	2.70	0.16	0.04	0.04
0.15	0.01	0.00	0.00	2.75	0.16	0.05	0.04
0.20	0.01	0.00	0.00	2.80	0.17	0.05	0.04
0.25	0.01	0.00	0.00	2.85	0.17	0.05	0.04
0.30	0.02	0.00	0.00	2.90	0.17	0.05	0.05
0.35	0.02	0.00	0.00	2.95	0.18	0.05	0.05
0.40	0.02	0.00	0.00	3.00	0.18	0.06	0.05
0.45	0.03	0.00	0.00	3.05	0.18	0.06	0.05
0.50	0.03	0.00	0.00	3.10	0.19	0.06	0.05
0.55	0.03	0.00	0.00	3.15	0.19	0.06	0.05
0.60	0.03	0.00	0.00	3.20	0.19	0.06	0.05
0.65	0.04	0.00	0.00	3.25	0.20	0.07	0.05
0.70	0.04	0.00	0.00	3.30	0.20	0.07	0.05
0.75	0.04	0.00	0.00	3.35	0.20	0.07	0.05
0.80	0.04	0.00	0.00	3.40	0.21	0.07	0.05
0.85	0.05	0.00	0.00	3.45	0.21	0.08	0.05
0.90	0.05	0.00	0.00	3.50	0.21	0.08	0.05
0.95	0.05	0.00	0.01	3.55	0.22	0.08	0.05
1.00	0.06	0.00	0.01	3.60	0.22	0.08	0.05
1.05	0.06	0.00	0.01	3.65	0.22	0.09	0.05
1.10	0.06	0.00	0.01	3.70	0.23	0.09	0.06
1.15	0.06	0.00	0.01	3.75	0.23	0.09	0.06
1.20	0.07	0.00	0.01	3.80	0.23	0.09	0.06
1.25	0.07	0.00	0.01	3.85	0.24	0.10	0.06
1.30	0.07	0.00	0.01	3.90	0.24	0.10	0.06
1.35	0.08	0.01	0.02	3.95	0.24	0.10	0.06
1.40	0.08	0.01	0.02	4.00	0.25	0.10	0.06
1.45	0.08	0.01	0.02	4.05	0.25	0.11	0.06
1.50	0.08	0.01	0.02	4.10	0.26	0.11	0.06
1.55	0.09	0.01	0.02	4.15	0.26	0.11	0.06
1.60	0.09	0.01	0.02	4.20	0.26	0.12	0.06
1.65	0.09	0.01	0.02	4.25	0.27	0.12	0.06
1.70	0.10	0.01	0.02	4.30	0.27	0.12	0.06
1.75	0.10	0.01	0.03	4.35	0.27	0.12	0.06
1.80	0.10	0.01	0.03	4.40	0.28	0.13	0.06
1.85	0.11	0.02	0.03	4.45	0.28	0.13	0.06
1.90	0.11	0.02	0.03	4.50	0.28	0.13	0.06
1.95	0.11	0.02	0.03	4.55	0.29	0.14	0.06
2.00	0.11	0.02	0.03	4.60	0.29	0.14	0.07
2.05	0.12	0.02	0.03	4.65	0.30	0.14	0.07
2.10	0.12	0.02	0.03	4.70	0.30	0.14	0.07
2.15	0.12	0.02	0.03	4.75	0.30	0.15	0.07
2.20	0.13	0.03	0.03	4.80	0.31	0.15	0.07
2.25	0.13	0.03	0.04	4.85	0.31	0.15	0.07
2.30	0.13	0.03	0.04	4.90	0.31	0.16	0.07
2.35	0.14	0.03	0.04	4.95	0.32	0.16	0.07
2.40	0.14	0.03	0.04	5.00	0.32	0.16	0.07
2.45	0.14	0.03	0.04	5.05	0.33	0.17	0.07
2.50	0.15	0.04	0.04	5.10	0.33	0.17	0.07
2.55	0.15	0.04	0.04	5.15	0.33	0.17	0.07

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.18	0.07	7.80	0.58	0.39	0.12
5.25	0.34	0.18	0.07	7.85	0.59	0.40	0.12
5.30	0.35	0.18	0.07	7.90	0.60	0.41	0.12
5.35	0.35	0.19	0.07	7.95	0.60	0.41	0.12
5.40	0.35	0.19	0.07	8.00	0.61	0.42	0.12
5.45	0.36	0.19	0.07	8.05	0.61	0.42	0.13
5.50	0.36	0.20	0.07	8.10	0.62	0.43	0.13
5.55	0.37	0.20	0.07	8.15	0.63	0.43	0.13
5.60	0.37	0.20	0.07	8.20	0.63	0.44	0.13
5.65	0.37	0.21	0.07	8.25	0.64	0.45	0.13
5.70	0.38	0.21	0.08	8.30	0.65	0.45	0.13
5.75	0.38	0.21	0.08	8.35	0.65	0.46	0.13
5.80	0.39	0.22	0.08	8.40	0.66	0.46	0.13
5.85	0.39	0.22	0.08	8.45	0.66	0.47	0.14
5.90	0.39	0.22	0.08	8.50	0.67	0.48	0.14
5.95	0.40	0.23	0.08	8.55	0.68	0.48	0.14
6.00	0.40	0.23	0.08	8.60	0.68	0.49	0.14
6.05	0.41	0.23	0.08	8.65	0.69	0.50	0.14
6.10	0.41	0.24	0.08	8.70	0.70	0.50	0.14
6.15	0.41	0.24	0.08	8.75	0.71	0.51	0.14
6.20	0.42	0.25	0.08	8.80	0.71	0.51	0.14
6.25	0.42	0.25	0.08	8.85	0.72	0.52	0.14
6.30	0.43	0.25	0.08	8.90	0.73	0.53	0.15
6.35	0.43	0.26	0.09	8.95	0.73	0.53	0.15
6.40	0.44	0.26	0.09	9.00	0.74	0.54	0.15
6.45	0.44	0.27	0.09	9.05	0.75	0.55	0.15
6.50	0.45	0.27	0.09	9.10	0.76	0.56	0.16
6.55	0.45	0.27	0.09	9.15	0.76	0.56	0.16
6.60	0.46	0.28	0.09	9.20	0.77	0.57	0.16
6.65	0.46	0.28	0.09	9.25	0.78	0.58	0.17
6.70	0.46	0.29	0.09	9.30	0.79	0.59	0.17
6.75	0.47	0.29	0.10	9.35	0.80	0.59	0.18
6.80	0.47	0.29	0.10	9.40	0.80	0.60	0.18
6.85	0.48	0.30	0.10	9.45	0.81	0.61	0.19
6.90	0.48	0.30	0.10	9.50	0.82	0.62	0.19
6.95	0.49	0.31	0.10	9.55	0.83	0.63	0.19
7.00	0.49	0.31	0.10	9.60	0.84	0.64	0.20
7.05	0.50	0.32	0.10	9.65	0.85	0.65	0.20
7.10	0.50	0.32	0.10	9.70	0.86	0.66	0.21
7.15	0.51	0.33	0.10	9.75	0.87	0.67	0.21
7.20	0.52	0.33	0.11	9.80	0.88	0.68	0.21
7.25	0.52	0.34	0.11	9.85	0.89	0.69	0.22
7.30	0.53	0.34	0.11	9.90	0.90	0.70	0.22
7.35	0.53	0.35	0.11	9.95	0.91	0.71	0.23
7.40	0.54	0.35	0.11	10.00	0.92	0.72	0.23
7.45	0.54	0.36	0.11	10.05	0.94	0.73	0.24
7.50	0.55	0.36	0.11	10.10	0.95	0.74	0.24
7.55	0.55	0.37	0.11	10.15	0.96	0.75	0.24
7.60	0.56	0.37	0.11	10.20	0.97	0.76	0.25
7.65	0.57	0.38	0.12	10.25	0.98	0.77	0.25
7.70	0.57	0.38	0.12	10.30	0.99	0.79	0.26
7.75	0.58	0.39	0.12	10.35	1.01	0.80	0.26

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.81	0.26	13.00	3.85	3.62	0.50
10.45	1.03	0.82	0.27	13.05	3.87	3.64	0.46
10.50	1.04	0.83	0.27	13.10	3.89	3.66	0.44
10.55	1.06	0.85	0.29	13.15	3.91	3.68	0.42
10.60	1.07	0.86	0.30	13.20	3.93	3.70	0.41
10.65	1.09	0.88	0.32	13.25	3.95	3.71	0.39
10.70	1.10	0.89	0.34	13.30	3.97	3.73	0.38
10.75	1.12	0.91	0.35	13.35	3.98	3.75	0.36
10.80	1.14	0.93	0.37	13.40	4.00	3.76	0.35
10.85	1.16	0.94	0.39	13.45	4.01	3.78	0.33
10.90	1.18	0.96	0.40	13.50	4.03	3.79	0.31
10.95	1.20	0.98	0.42	13.55	4.04	3.80	0.29
11.00	1.22	1.00	0.43	13.60	4.05	3.82	0.28
11.05	1.24	1.02	0.47	13.65	4.06	3.83	0.28
11.10	1.26	1.05	0.49	13.70	4.08	3.84	0.27
11.15	1.29	1.07	0.53	13.75	4.09	3.85	0.27
11.20	1.31	1.10	0.55	13.80	4.10	3.86	0.26
11.25	1.34	1.12	0.59	13.85	4.11	3.88	0.26
11.30	1.37	1.15	0.61	13.90	4.12	3.89	0.26
11.35	1.40	1.18	0.64	13.95	4.13	3.90	0.25
11.40	1.43	1.21	0.67	14.00	4.15	3.91	0.25
11.45	1.47	1.25	0.70	14.05	4.16	3.92	0.24
11.50	1.50	1.28	0.72	14.10	4.17	3.93	0.24
11.55	1.55	1.33	0.95	14.15	4.18	3.94	0.23
11.60	1.60	1.38	1.10	14.20	4.19	3.95	0.23
11.65	1.65	1.43	1.14	14.25	4.20	3.96	0.23
11.70	1.71	1.49	1.17	14.30	4.21	3.97	0.22
11.75	1.78	1.56	1.43	14.35	4.22	3.98	0.22
11.80	1.86	1.63	1.60	14.40	4.23	3.99	0.21
11.85	1.96	1.73	1.98	14.45	4.24	4.00	0.21
11.90	2.06	1.84	2.24	14.50	4.25	4.01	0.21
11.95	2.24	2.01	3.20	14.55	4.26	4.02	0.20
12.00	2.42	2.19	3.84	14.60	4.27	4.03	0.20
12.05	2.71	2.48	5.41	14.65	4.27	4.04	0.19
12.10	3.01	2.78	**6.31**	14.70	4.28	4.05	0.19
12.15	3.11	2.88	3.94	14.75	4.29	4.06	0.18
12.20	3.21	2.98	2.39	14.80	4.30	4.06	0.18
12.25	3.29	3.05	1.88	14.85	4.31	4.07	0.18
12.30	3.36	3.13	1.64	14.90	4.31	4.08	0.17
12.35	3.42	3.18	1.36	14.95	4.32	4.09	0.17
12.40	3.47	3.24	1.20	15.00	4.33	4.09	0.16
12.45	3.52	3.29	1.15	15.05	4.34	4.10	0.16
12.50	3.57	3.34	1.12	15.10	4.34	4.11	0.16
12.55	3.60	3.37	0.88	15.15	4.35	4.12	0.15
12.60	3.64	3.40	0.74	15.20	4.36	4.12	0.15
12.65	3.67	3.43	0.70	15.25	4.36	4.13	0.15
12.70	3.70	3.47	0.68	15.30	4.37	4.14	0.15
12.75	3.73	3.49	0.64	15.35	4.38	4.14	0.15
12.80	3.76	3.52	0.62	15.40	4.39	4.15	0.15
12.85	3.78	3.55	0.58	15.45	4.39	4.16	0.15
12.90	3.81	3.57	0.56	15.50	4.40	4.16	0.15
12.95	3.83	3.60	0.52	15.55	4.41	4.17	0.15

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	4.18	0.15	18.20	4.68	4.45	0.09
15.65	4.42	4.18	0.14	18.25	4.69	4.45	0.09
15.70	4.42	4.19	0.14	18.30	4.69	4.46	0.09
15.75	4.43	4.20	0.14	18.35	4.70	4.46	0.09
15.80	4.44	4.20	0.14	18.40	4.70	4.46	0.09
15.85	4.44	4.21	0.14	18.45	4.70	4.47	0.09
15.90	4.45	4.21	0.14	18.50	4.71	4.47	0.09
15.95	4.46	4.22	0.14	18.55	4.71	4.48	0.09
16.00	4.46	4.23	0.14	18.60	4.72	4.48	0.09
16.05	4.47	4.23	0.13	18.65	4.72	4.48	0.09
16.10	4.47	4.24	0.13	18.70	4.72	4.49	0.09
16.15	4.48	4.24	0.13	18.75	4.73	4.49	0.09
16.20	4.49	4.25	0.13	18.80	4.73	4.50	0.09
16.25	4.49	4.26	0.13	18.85	4.74	4.50	0.09
16.30	4.50	4.26	0.13	18.90	4.74	4.50	0.09
16.35	4.50	4.27	0.13	18.95	4.74	4.51	0.08
16.40	4.51	4.27	0.13	19.00	4.75	4.51	0.08
16.45	4.52	4.28	0.13	19.05	4.75	4.51	0.08
16.50	4.52	4.29	0.12	19.10	4.76	4.52	0.08
16.55	4.53	4.29	0.12	19.15	4.76	4.52	0.08
16.60	4.53	4.30	0.12	19.20	4.76	4.53	0.08
16.65	4.54	4.30	0.12	19.25	4.77	4.53	0.08
16.70	4.54	4.31	0.12	19.30	4.77	4.53	0.08
16.75	4.55	4.31	0.12	19.35	4.77	4.54	0.08
16.80	4.55	4.32	0.12	19.40	4.78	4.54	0.08
16.85	4.56	4.32	0.12	19.45	4.78	4.55	0.08
16.90	4.57	4.33	0.12	19.50	4.79	4.55	0.08
16.95	4.57	4.33	0.11	19.55	4.79	4.55	0.08
17.00	4.58	4.34	0.11	19.60	4.79	4.56	0.08
17.05	4.58	4.34	0.11	19.65	4.80	4.56	0.08
17.10	4.59	4.35	0.11	19.70	4.80	4.56	0.08
17.15	4.59	4.35	0.11	19.75	4.80	4.57	0.08
17.20	4.60	4.36	0.11	19.80	4.81	4.57	0.08
17.25	4.60	4.36	0.11	19.85	4.81	4.57	0.08
17.30	4.61	4.37	0.11	19.90	4.81	4.58	0.08
17.35	4.61	4.37	0.11	19.95	4.82	4.58	0.08
17.40	4.61	4.38	0.11	20.00	4.82	4.59	0.08
17.45	4.62	4.38	0.10	20.05	4.83	4.59	0.08
17.50	4.62	4.39	0.10	20.10	4.83	4.59	0.08
17.55	4.63	4.39	0.10	20.15	4.83	4.60	0.08
17.60	4.63	4.40	0.10	20.20	4.84	4.60	0.08
17.65	4.64	4.40	0.10	20.25	4.84	4.60	0.08
17.70	4.64	4.41	0.10	20.30	4.84	4.61	0.08
17.75	4.65	4.41	0.10	20.35	4.85	4.61	0.08
17.80	4.65	4.42	0.10	20.40	4.85	4.61	0.08
17.85	4.66	4.42	0.09	20.45	4.85	4.62	0.08
17.90	4.66	4.42	0.09	20.50	4.86	4.62	0.08
17.95	4.66	4.43	0.09	20.55	4.86	4.62	0.08
18.00	4.67	4.43	0.09	20.60	4.86	4.63	0.08
18.05	4.67	4.44	0.09	20.65	4.87	4.63	0.08
18.10	4.68	4.44	0.09	20.70	4.87	4.63	0.08
18.15	4.68	4.44	0.09	20.75	4.87	4.64	0.07

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	4.64	0.07	23.40	5.04	4.80	0.06
20.85	4.88	4.64	0.07	23.45	5.04	4.80	0.06
20.90	4.88	4.65	0.07	23.50	5.04	4.81	0.06
20.95	4.89	4.65	0.07	23.55	5.04	4.81	0.06
21.00	4.89	4.65	0.07	23.60	5.05	4.81	0.06
21.05	4.89	4.66	0.07	23.65	5.05	4.81	0.06
21.10	4.90	4.66	0.07	23.70	5.05	4.82	0.06
21.15	4.90	4.66	0.07	23.75	5.06	4.82	0.06
21.20	4.90	4.67	0.07	23.80	5.06	4.82	0.06
21.25	4.91	4.67	0.07	23.85	5.06	4.82	0.06
21.30	4.91	4.67	0.07	23.90	5.06	4.83	0.06
21.35	4.91	4.68	0.07	23.95	5.07	4.83	0.07
21.40	4.92	4.68	0.07	24.00	**5.07**	**4.83**	0.07
21.45	4.92	4.68	0.07	24.05	5.07	4.83	0.03
21.50	4.92	4.69	0.07	24.10	5.07	4.83	0.00
21.55	4.93	4.69	0.07	24.15	5.07	4.83	0.00
21.60	4.93	4.69	0.07	24.20	5.07	4.83	0.00
21.65	4.93	4.70	0.07	24.25	5.07	4.83	0.00
21.70	4.94	4.70	0.07	24.30	5.07	4.83	0.00
21.75	4.94	4.70	0.07	24.35	5.07	4.83	0.00
21.80	4.94	4.71	0.07	24.40	5.07	4.83	0.00
21.85	4.95	4.71	0.07	24.45	5.07	4.83	0.00
21.90	4.95	4.71	0.07	24.50	5.07	4.83	0.00
21.95	4.95	4.72	0.07	24.55	5.07	4.83	0.00
22.00	4.96	4.72	0.07	24.60	5.07	4.83	0.00
22.05	4.96	4.72	0.07	24.65	5.07	4.83	0.00
22.10	4.96	4.72	0.07	24.70	5.07	4.83	0.00
22.15	4.96	4.73	0.07	24.75	5.07	4.83	0.00
22.20	4.97	4.73	0.07	24.80	5.07	4.83	0.00
22.25	4.97	4.73	0.07	24.85	5.07	4.83	0.00
22.30	4.97	4.74	0.07	24.90	5.07	4.83	0.00
22.35	4.98	4.74	0.07	24.95	5.07	4.83	0.00
22.40	4.98	4.74	0.07	25.00	5.07	4.83	0.00
22.45	4.98	4.75	0.07	25.05	5.07	4.83	0.00
22.50	4.99	4.75	0.07	25.10	5.07	4.83	0.00
22.55	4.99	4.75	0.07	25.15	5.07	4.83	0.00
22.60	4.99	4.75	0.07	25.20	5.07	4.83	0.00
22.65	4.99	4.76	0.06	25.25	5.07	4.83	0.00
22.70	5.00	4.76	0.06	25.30	5.07	4.83	0.00
22.75	5.00	4.76	0.06	25.35	5.07	4.83	0.00
22.80	5.00	4.77	0.06	25.40	5.07	4.83	0.00
22.85	5.01	4.77	0.06	25.45	5.07	4.83	0.00
22.90	5.01	4.77	0.06	25.50	5.07	4.83	0.00
22.95	5.01	4.77	0.06	25.55	5.07	4.83	0.00
23.00	5.01	4.78	0.06	25.60	5.07	4.83	0.00
23.05	5.02	4.78	0.06	25.65	5.07	4.83	0.00
23.10	5.02	4.78	0.06	25.70	5.07	4.83	0.00
23.15	5.02	4.79	0.06	25.75	5.07	4.83	0.00
23.20	5.03	4.79	0.06	25.80	5.07	4.83	0.00
23.25	5.03	4.79	0.06	25.85	5.07	4.83	0.00
23.30	5.03	4.79	0.06	25.90	5.07	4.83	0.00
23.35	5.03	4.80	0.06	25.95	5.07	4.83	0.00

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	4.83	0.00	28.60	5.07	4.83	0.00
26.05	5.07	4.83	0.00	28.65	5.07	4.83	0.00
26.10	5.07	4.83	0.00	28.70	5.07	4.83	0.00
26.15	5.07	4.83	0.00	28.75	5.07	4.83	0.00
26.20	5.07	4.83	0.00	28.80	5.07	4.83	0.00
26.25	5.07	4.83	0.00	28.85	5.07	4.83	0.00
26.30	5.07	4.83	0.00	28.90	5.07	4.83	0.00
26.35	5.07	4.83	0.00	28.95	5.07	4.83	0.00
26.40	5.07	4.83	0.00	29.00	5.07	4.83	0.00
26.45	5.07	4.83	0.00	29.05	5.07	4.83	0.00
26.50	5.07	4.83	0.00	29.10	5.07	4.83	0.00
26.55	5.07	4.83	0.00	29.15	5.07	4.83	0.00
26.60	5.07	4.83	0.00	29.20	5.07	4.83	0.00
26.65	5.07	4.83	0.00	29.25	5.07	4.83	0.00
26.70	5.07	4.83	0.00	29.30	5.07	4.83	0.00
26.75	5.07	4.83	0.00	29.35	5.07	4.83	0.00
26.80	5.07	4.83	0.00	29.40	5.07	4.83	0.00
26.85	5.07	4.83	0.00	29.45	5.07	4.83	0.00
26.90	5.07	4.83	0.00	29.50	5.07	4.83	0.00
26.95	5.07	4.83	0.00	29.55	5.07	4.83	0.00
27.00	5.07	4.83	0.00	29.60	5.07	4.83	0.00
27.05	5.07	4.83	0.00	29.65	5.07	4.83	0.00
27.10	5.07	4.83	0.00	29.70	5.07	4.83	0.00
27.15	5.07	4.83	0.00	29.75	5.07	4.83	0.00
27.20	5.07	4.83	0.00	29.80	5.07	4.83	0.00
27.25	5.07	4.83	0.00	29.85	5.07	4.83	0.00
27.30	5.07	4.83	0.00	29.90	5.07	4.83	0.00
27.35	5.07	4.83	0.00	29.95	5.07	4.83	0.00
27.40	5.07	4.83	0.00	30.00	5.07	4.83	0.00
27.45	5.07	4.83	0.00	30.05	5.07	4.83	0.00
27.50	5.07	4.83	0.00	30.10	5.07	4.83	0.00
27.55	5.07	4.83	0.00	30.15	5.07	4.83	0.00
27.60	5.07	4.83	0.00	30.20	5.07	4.83	0.00
27.65	5.07	4.83	0.00	30.25	5.07	4.83	0.00
27.70	5.07	4.83	0.00	30.30	5.07	4.83	0.00
27.75	5.07	4.83	0.00	30.35	5.07	4.83	0.00
27.80	5.07	4.83	0.00	30.40	5.07	4.83	0.00
27.85	5.07	4.83	0.00	30.45	5.07	4.83	0.00
27.90	5.07	4.83	0.00	30.50	5.07	4.83	0.00
27.95	5.07	4.83	0.00	30.55	5.07	4.83	0.00
28.00	5.07	4.83	0.00	30.60	5.07	4.83	0.00
28.05	5.07	4.83	0.00	30.65	5.07	4.83	0.00
28.10	5.07	4.83	0.00	30.70	5.07	4.83	0.00
28.15	5.07	4.83	0.00	30.75	5.07	4.83	0.00
28.20	5.07	4.83	0.00	30.80	5.07	4.83	0.00
28.25	5.07	4.83	0.00	30.85	5.07	4.83	0.00
28.30	5.07	4.83	0.00	30.90	5.07	4.83	0.00
28.35	5.07	4.83	0.00	30.95	5.07	4.83	0.00
28.40	5.07	4.83	0.00	31.00	5.07	4.83	0.00
28.45	5.07	4.83	0.00	31.05	5.07	4.83	0.00
28.50	5.07	4.83	0.00	31.10	5.07	4.83	0.00
28.55	5.07	4.83	0.00	31.15	5.07	4.83	0.00

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	4.83	0.00	33.80	5.07	4.83	0.00
31.25	5.07	4.83	0.00	33.85	5.07	4.83	0.00
31.30	5.07	4.83	0.00	33.90	5.07	4.83	0.00
31.35	5.07	4.83	0.00	33.95	5.07	4.83	0.00
31.40	5.07	4.83	0.00	34.00	5.07	4.83	0.00
31.45	5.07	4.83	0.00	34.05	5.07	4.83	0.00
31.50	5.07	4.83	0.00	34.10	5.07	4.83	0.00
31.55	5.07	4.83	0.00	34.15	5.07	4.83	0.00
31.60	5.07	4.83	0.00	34.20	5.07	4.83	0.00
31.65	5.07	4.83	0.00	34.25	5.07	4.83	0.00
31.70	5.07	4.83	0.00	34.30	5.07	4.83	0.00
31.75	5.07	4.83	0.00	34.35	5.07	4.83	0.00
31.80	5.07	4.83	0.00	34.40	5.07	4.83	0.00
31.85	5.07	4.83	0.00	34.45	5.07	4.83	0.00
31.90	5.07	4.83	0.00	34.50	5.07	4.83	0.00
31.95	5.07	4.83	0.00	34.55	5.07	4.83	0.00
32.00	5.07	4.83	0.00	34.60	5.07	4.83	0.00
32.05	5.07	4.83	0.00	34.65	5.07	4.83	0.00
32.10	5.07	4.83	0.00	34.70	5.07	4.83	0.00
32.15	5.07	4.83	0.00	34.75	5.07	4.83	0.00
32.20	5.07	4.83	0.00	34.80	5.07	4.83	0.00
32.25	5.07	4.83	0.00	34.85	5.07	4.83	0.00
32.30	5.07	4.83	0.00	34.90	5.07	4.83	0.00
32.35	5.07	4.83	0.00	34.95	5.07	4.83	0.00
32.40	5.07	4.83	0.00	35.00	5.07	4.83	0.00
32.45	5.07	4.83	0.00	35.05	5.07	4.83	0.00
32.50	5.07	4.83	0.00	35.10	5.07	4.83	0.00
32.55	5.07	4.83	0.00	35.15	5.07	4.83	0.00
32.60	5.07	4.83	0.00	35.20	5.07	4.83	0.00
32.65	5.07	4.83	0.00	35.25	5.07	4.83	0.00
32.70	5.07	4.83	0.00	35.30	5.07	4.83	0.00
32.75	5.07	4.83	0.00	35.35	5.07	4.83	0.00
32.80	5.07	4.83	0.00	35.40	5.07	4.83	0.00
32.85	5.07	4.83	0.00	35.45	5.07	4.83	0.00
32.90	5.07	4.83	0.00	35.50	5.07	4.83	0.00
32.95	5.07	4.83	0.00	35.55	5.07	4.83	0.00
33.00	5.07	4.83	0.00	35.60	5.07	4.83	0.00
33.05	5.07	4.83	0.00	35.65	5.07	4.83	0.00
33.10	5.07	4.83	0.00	35.70	5.07	4.83	0.00
33.15	5.07	4.83	0.00	35.75	5.07	4.83	0.00
33.20	5.07	4.83	0.00	35.80	5.07	4.83	0.00
33.25	5.07	4.83	0.00	35.85	5.07	4.83	0.00
33.30	5.07	4.83	0.00	35.90	5.07	4.83	0.00
33.35	5.07	4.83	0.00	35.95	5.07	4.83	0.00
33.40	5.07	4.83	0.00	36.00	5.07	4.83	0.00
33.45	5.07	4.83	0.00	36.05	5.07	4.83	0.00
33.50	5.07	4.83	0.00	36.10	5.07	4.83	0.00
33.55	5.07	4.83	0.00	36.15	5.07	4.83	0.00
33.60	5.07	4.83	0.00	36.20	5.07	4.83	0.00
33.65	5.07	4.83	0.00	36.25	5.07	4.83	0.00
33.70	5.07	4.83	0.00	36.30	5.07	4.83	0.00
33.75	5.07	4.83	0.00	36.35	5.07	4.83	0.00

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	4.83	0.00
36.45	5.07	4.83	0.00
36.50	5.07	4.83	0.00
36.55	5.07	4.83	0.00
36.60	5.07	4.83	0.00
36.65	5.07	4.83	0.00
36.70	5.07	4.83	0.00
36.75	5.07	4.83	0.00
36.80	5.07	4.83	0.00
36.85	5.07	4.83	0.00
36.90	5.07	4.83	0.00
36.95	5.07	4.83	0.00
37.00	5.07	4.83	0.00
37.05	5.07	4.83	0.00
37.10	5.07	4.83	0.00
37.15	5.07	4.83	0.00
37.20	5.07	4.83	0.00
37.25	5.07	4.83	0.00
37.30	5.07	4.83	0.00
37.35	5.07	4.83	0.00
37.40	5.07	4.83	0.00
37.45	5.07	4.83	0.00
37.50	5.07	4.83	0.00
37.55	5.07	4.83	0.00
37.60	5.07	4.83	0.00
37.65	5.07	4.83	0.00
37.70	5.07	4.83	0.00
37.75	5.07	4.83	0.00
37.80	5.07	4.83	0.00
37.85	5.07	4.83	0.00
37.90	5.07	4.83	0.00
37.95	5.07	4.83	0.00
38.00	5.07	4.83	0.00
38.05	5.07	4.83	0.00
38.10	5.07	4.83	0.00
38.15	5.07	4.83	0.00
38.20	5.07	4.83	0.00
38.25	5.07	4.83	0.00
38.30	5.07	4.83	0.00
38.35	5.07	4.83	0.00
38.40	5.07	4.83	0.00
38.45	5.07	4.83	0.00
38.50	5.07	4.83	0.00
38.55	5.07	4.83	0.00
38.60	5.07	4.83	0.00
38.65	5.07	4.83	0.00
38.70	5.07	4.83	0.00
38.75	5.07	4.83	0.00
38.80	5.07	4.83	0.00
38.85	5.07	4.83	0.00
38.90	5.07	4.83	0.00
38.95	5.07	4.83	0.00
39.00	5.07	4.83	0.00
39.05	5.07	4.83	0.00
39.10	5.07	4.83	0.00
39.15	5.07	4.83	0.00
39.20	5.07	4.83	0.00
39.25	5.07	4.83	0.00
39.30	5.07	4.83	0.00
39.35	5.07	4.83	0.00
39.40	5.07	4.83	0.00
39.45	5.07	4.83	0.00
39.50	5.07	4.83	0.00
39.55	5.07	4.83	0.00
39.60	5.07	4.83	0.00
39.65	5.07	4.83	0.00
39.70	5.07	4.83	0.00
39.75	5.07	4.83	0.00
39.80	5.07	4.83	0.00
39.85	5.07	4.83	0.00
39.90	5.07	4.83	0.00
39.95	5.07	4.83	0.00
40.00	5.07	4.83	0.00

Summary for Subcatchment 55P: PDA-55 (pervious)

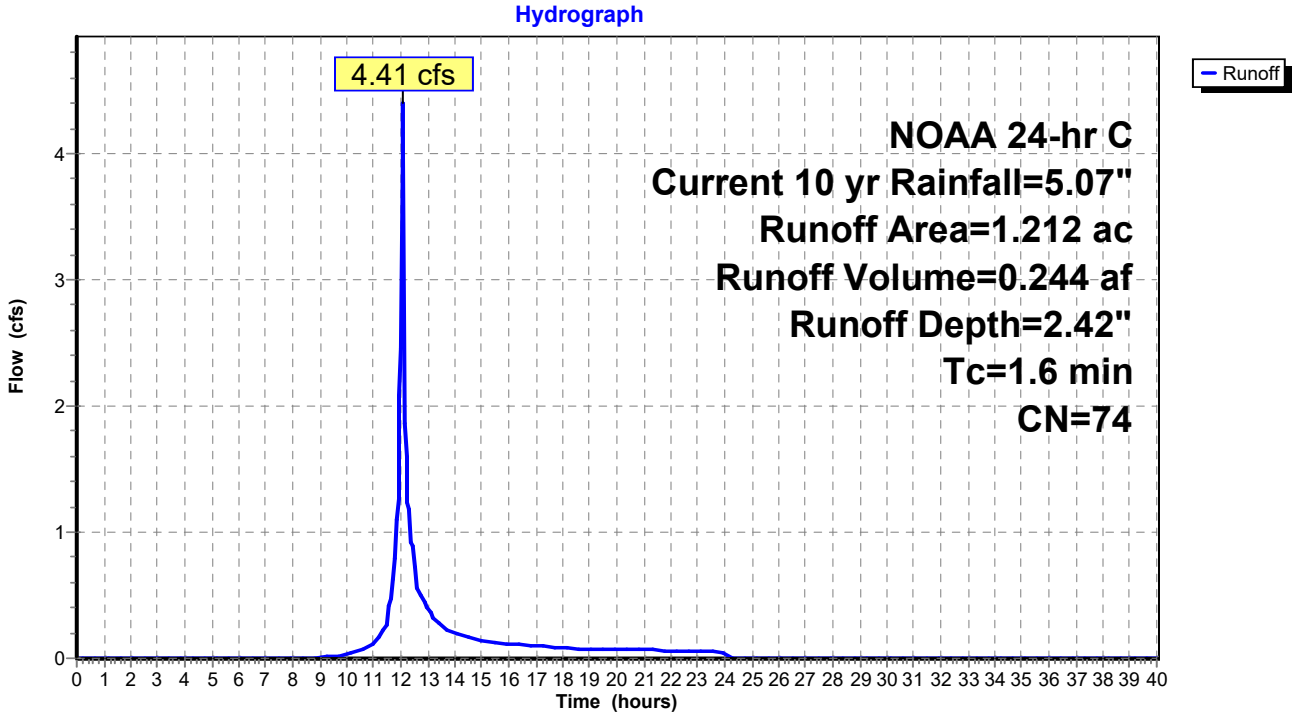
Runoff = 4.41 cfs @ 12.08 hrs, Volume= 0.244 af, Depth= 2.42"
Routed to Pond B-55 : Basin #55

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
1.212	74	>75% Grass cover, Good, HSG C
1.212		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.6					**Direct Entry,**

Subcatchment 55P: PDA-55 (pervious)



Hydrograph for Subcatchment 55P: PDA-55 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.00
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.01
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.01
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.01
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.01
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.01
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.01
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.01
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.01
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.01
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.02
7.00	0.49	0.00	0.00	9.60	0.84	0.01	0.02
7.05	0.50	0.00	0.00	9.65	0.85	0.01	0.02
7.10	0.50	0.00	0.00	9.70	0.86	0.01	0.02
7.15	0.51	0.00	0.00	9.75	0.87	0.01	0.02
7.20	0.52	0.00	0.00	9.80	0.88	0.01	0.02
7.25	0.52	0.00	0.00	9.85	0.89	0.01	0.02
7.30	0.53	0.00	0.00	9.90	0.90	0.01	0.03
7.35	0.53	0.00	0.00	9.95	0.91	0.01	0.03
7.40	0.54	0.00	0.00	10.00	0.92	0.01	0.03
7.45	0.54	0.00	0.00	10.05	0.94	0.01	0.03
7.50	0.55	0.00	0.00	10.10	0.95	0.02	0.03
7.55	0.55	0.00	0.00	10.15	0.96	0.02	0.04
7.60	0.56	0.00	0.00	10.20	0.97	0.02	0.04
7.65	0.57	0.00	0.00	10.25	0.98	0.02	0.04
7.70	0.57	0.00	0.00	10.30	0.99	0.02	0.04
7.75	0.58	0.00	0.00	10.35	1.01	0.02	0.05

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.03	0.05	13.00	3.85	1.49	0.40
10.45	1.03	0.03	0.05	13.05	3.87	1.50	0.36
10.50	1.04	0.03	0.05	13.10	3.89	1.52	0.35
10.55	1.06	0.03	0.06	13.15	3.91	1.53	0.33
10.60	1.07	0.04	0.06	13.20	3.93	1.55	0.33
10.65	1.09	0.04	0.07	13.25	3.95	1.56	0.31
10.70	1.10	0.04	0.07	13.30	3.97	1.57	0.30
10.75	1.12	0.04	0.08	13.35	3.98	1.58	0.28
10.80	1.14	0.05	0.09	13.40	4.00	1.59	0.28
10.85	1.16	0.05	0.10	13.45	4.01	1.60	0.26
10.90	1.18	0.06	0.10	13.50	4.03	1.61	0.25
10.95	1.20	0.06	0.11	13.55	4.04	1.62	0.23
11.00	1.22	0.07	0.12	13.60	4.05	1.63	0.23
11.05	1.24	0.07	0.13	13.65	4.06	1.64	0.22
11.10	1.26	0.08	0.14	13.70	4.08	1.65	0.22
11.15	1.29	0.08	0.16	13.75	4.09	1.66	0.22
11.20	1.31	0.09	0.17	13.80	4.10	1.67	0.22
11.25	1.34	0.10	0.19	13.85	4.11	1.68	0.21
11.30	1.37	0.11	0.20	13.90	4.12	1.69	0.21
11.35	1.40	0.12	0.22	13.95	4.13	1.70	0.21
11.40	1.43	0.13	0.24	14.00	4.15	1.70	0.20
11.45	1.47	0.14	0.26	14.05	4.16	1.71	0.20
11.50	1.50	0.15	0.28	14.10	4.17	1.72	0.20
11.55	1.55	0.16	0.42	14.15	4.18	1.73	0.19
11.60	1.60	0.18	0.45	14.20	4.19	1.74	0.19
11.65	1.65	0.20	0.49	14.25	4.20	1.74	0.19
11.70	1.71	0.22	0.53	14.30	4.21	1.75	0.19
11.75	1.78	0.25	0.72	14.35	4.22	1.76	0.18
11.80	1.86	0.29	0.80	14.40	4.23	1.77	0.18
11.85	1.96	0.33	1.09	14.45	4.24	1.77	0.17
11.90	2.06	0.38	1.26	14.50	4.25	1.78	0.17
11.95	2.24	0.47	2.09	14.55	4.26	1.79	0.17
12.00	2.42	0.56	2.45	14.60	4.27	1.79	0.17
12.05	2.71	0.73	4.01	14.65	4.27	1.80	0.16
12.10	3.01	0.91	**4.17**	14.70	4.28	1.81	0.16
12.15	3.11	0.98	1.87	14.75	4.29	1.81	0.15
12.20	3.21	1.05	1.60	14.80	4.30	1.82	0.15
12.25	3.29	1.10	1.24	14.85	4.31	1.82	0.15
12.30	3.36	1.15	1.18	14.90	4.31	1.83	0.14
12.35	3.42	1.18	0.92	14.95	4.32	1.84	0.14
12.40	3.47	1.22	0.90	15.00	4.33	1.84	0.14
12.45	3.52	1.25	0.87	15.05	4.34	1.85	0.13
12.50	3.57	1.29	0.84	15.10	4.34	1.85	0.13
12.55	3.60	1.31	0.59	15.15	4.35	1.86	0.13
12.60	3.64	1.34	0.56	15.20	4.36	1.86	0.13
12.65	3.67	1.36	0.54	15.25	4.36	1.87	0.13
12.70	3.70	1.38	0.53	15.30	4.37	1.87	0.13
12.75	3.73	1.40	0.49	15.35	4.38	1.88	0.13
12.80	3.76	1.42	0.49	15.40	4.39	1.88	0.13
12.85	3.78	1.44	0.45	15.45	4.39	1.89	0.12
12.90	3.81	1.46	0.44	15.50	4.40	1.89	0.12
12.95	3.83	1.47	0.41	15.55	4.41	1.90	0.12

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	1.90	0.12	18.20	4.68	2.12	0.08
15.65	4.42	1.91	0.12	18.25	4.69	2.12	0.08
15.70	4.42	1.91	0.12	18.30	4.69	2.12	0.08
15.75	4.43	1.92	0.12	18.35	4.70	2.12	0.08
15.80	4.44	1.92	0.12	18.40	4.70	2.13	0.08
15.85	4.44	1.93	0.12	18.45	4.70	2.13	0.08
15.90	4.45	1.93	0.12	18.50	4.71	2.13	0.08
15.95	4.46	1.94	0.12	18.55	4.71	2.14	0.08
16.00	4.46	1.94	0.12	18.60	4.72	2.14	0.08
16.05	4.47	1.95	0.11	18.65	4.72	2.14	0.08
16.10	4.47	1.95	0.11	18.70	4.72	2.15	0.08
16.15	4.48	1.96	0.11	18.75	4.73	2.15	0.07
16.20	4.49	1.96	0.11	18.80	4.73	2.15	0.07
16.25	4.49	1.97	0.11	18.85	4.74	2.16	0.07
16.30	4.50	1.97	0.11	18.90	4.74	2.16	0.07
16.35	4.50	1.98	0.11	18.95	4.74	2.16	0.07
16.40	4.51	1.98	0.11	19.00	4.75	2.16	0.07
16.45	4.52	1.98	0.11	19.05	4.75	2.17	0.07
16.50	4.52	1.99	0.11	19.10	4.76	2.17	0.07
16.55	4.53	1.99	0.11	19.15	4.76	2.17	0.07
16.60	4.53	2.00	0.11	19.20	4.76	2.18	0.07
16.65	4.54	2.00	0.10	19.25	4.77	2.18	0.07
16.70	4.54	2.01	0.10	19.30	4.77	2.18	0.07
16.75	4.55	2.01	0.10	19.35	4.77	2.19	0.07
16.80	4.55	2.01	0.10	19.40	4.78	2.19	0.07
16.85	4.56	2.02	0.10	19.45	4.78	2.19	0.07
16.90	4.57	2.02	0.10	19.50	4.79	2.19	0.07
16.95	4.57	2.03	0.10	19.55	4.79	2.20	0.07
17.00	4.58	2.03	0.10	19.60	4.79	2.20	0.07
17.05	4.58	2.03	0.10	19.65	4.80	2.20	0.07
17.10	4.59	2.04	0.10	19.70	4.80	2.21	0.07
17.15	4.59	2.04	0.09	19.75	4.80	2.21	0.07
17.20	4.60	2.05	0.09	19.80	4.81	2.21	0.07
17.25	4.60	2.05	0.09	19.85	4.81	2.21	0.07
17.30	4.61	2.05	0.09	19.90	4.81	2.22	0.07
17.35	4.61	2.06	0.09	19.95	4.82	2.22	0.07
17.40	4.61	2.06	0.09	20.00	4.82	2.22	0.07
17.45	4.62	2.06	0.09	20.05	4.83	2.23	0.07
17.50	4.62	2.07	0.09	20.10	4.83	2.23	0.07
17.55	4.63	2.07	0.09	20.15	4.83	2.23	0.07
17.60	4.63	2.08	0.09	20.20	4.84	2.23	0.07
17.65	4.64	2.08	0.09	20.25	4.84	2.24	0.07
17.70	4.64	2.08	0.09	20.30	4.84	2.24	0.07
17.75	4.65	2.09	0.08	20.35	4.85	2.24	0.07
17.80	4.65	2.09	0.08	20.40	4.85	2.25	0.07
17.85	4.66	2.09	0.08	20.45	4.85	2.25	0.07
17.90	4.66	2.10	0.08	20.50	4.86	2.25	0.07
17.95	4.66	2.10	0.08	20.55	4.86	2.25	0.07
18.00	4.67	2.10	0.08	20.60	4.86	2.26	0.07
18.05	4.67	2.11	0.08	20.65	4.87	2.26	0.07
18.10	4.68	2.11	0.08	20.70	4.87	2.26	0.07
18.15	4.68	2.11	0.08	20.75	4.87	2.26	0.07

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	2.27	0.07	23.40	5.04	2.39	0.05
20.85	4.88	2.27	0.07	23.45	5.04	2.40	0.05
20.90	4.88	2.27	0.07	23.50	5.04	2.40	0.05
20.95	4.89	2.28	0.06	23.55	5.04	2.40	0.05
21.00	4.89	2.28	0.06	23.60	5.05	2.40	0.05
21.05	4.89	2.28	0.06	23.65	5.05	2.40	0.05
21.10	4.90	2.28	0.06	23.70	5.05	2.41	0.05
21.15	4.90	2.29	0.06	23.75	5.06	2.41	0.05
21.20	4.90	2.29	0.06	23.80	5.06	2.41	0.05
21.25	4.91	2.29	0.06	23.85	5.06	2.41	0.05
21.30	4.91	2.29	0.06	23.90	5.06	2.42	0.05
21.35	4.91	2.30	0.06	23.95	5.07	2.42	0.06
21.40	4.92	2.30	0.06	24.00	**5.07**	**2.42**	0.06
21.45	4.92	2.30	0.06	24.05	5.07	2.42	0.01
21.50	4.92	2.30	0.06	24.10	5.07	2.42	0.00
21.55	4.93	2.31	0.06	24.15	5.07	2.42	0.00
21.60	4.93	2.31	0.06	24.20	5.07	2.42	0.00
21.65	4.93	2.31	0.06	24.25	5.07	2.42	0.00
21.70	4.94	2.31	0.06	24.30	5.07	2.42	0.00
21.75	4.94	2.32	0.06	24.35	5.07	2.42	0.00
21.80	4.94	2.32	0.06	24.40	5.07	2.42	0.00
21.85	4.95	2.32	0.06	24.45	5.07	2.42	0.00
21.90	4.95	2.32	0.06	24.50	5.07	2.42	0.00
21.95	4.95	2.33	0.06	24.55	5.07	2.42	0.00
22.00	4.96	2.33	0.06	24.60	5.07	2.42	0.00
22.05	4.96	2.33	0.06	24.65	5.07	2.42	0.00
22.10	4.96	2.33	0.06	24.70	5.07	2.42	0.00
22.15	4.96	2.34	0.06	24.75	5.07	2.42	0.00
22.20	4.97	2.34	0.06	24.80	5.07	2.42	0.00
22.25	4.97	2.34	0.06	24.85	5.07	2.42	0.00
22.30	4.97	2.34	0.06	24.90	5.07	2.42	0.00
22.35	4.98	2.35	0.06	24.95	5.07	2.42	0.00
22.40	4.98	2.35	0.06	25.00	5.07	2.42	0.00
22.45	4.98	2.35	0.06	25.05	5.07	2.42	0.00
22.50	4.99	2.35	0.06	25.10	5.07	2.42	0.00
22.55	4.99	2.36	0.06	25.15	5.07	2.42	0.00
22.60	4.99	2.36	0.06	25.20	5.07	2.42	0.00
22.65	4.99	2.36	0.06	25.25	5.07	2.42	0.00
22.70	5.00	2.36	0.06	25.30	5.07	2.42	0.00
22.75	5.00	2.36	0.06	25.35	5.07	2.42	0.00
22.80	5.00	2.37	0.06	25.40	5.07	2.42	0.00
22.85	5.01	2.37	0.06	25.45	5.07	2.42	0.00
22.90	5.01	2.37	0.06	25.50	5.07	2.42	0.00
22.95	5.01	2.37	0.06	25.55	5.07	2.42	0.00
23.00	5.01	2.38	0.06	25.60	5.07	2.42	0.00
23.05	5.02	2.38	0.06	25.65	5.07	2.42	0.00
23.10	5.02	2.38	0.05	25.70	5.07	2.42	0.00
23.15	5.02	2.38	0.05	25.75	5.07	2.42	0.00
23.20	5.03	2.38	0.05	25.80	5.07	2.42	0.00
23.25	5.03	2.39	0.05	25.85	5.07	2.42	0.00
23.30	5.03	2.39	0.05	25.90	5.07	2.42	0.00
23.35	5.03	2.39	0.05	25.95	5.07	2.42	0.00

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	2.42	0.00	28.60	5.07	2.42	0.00
26.05	5.07	2.42	0.00	28.65	5.07	2.42	0.00
26.10	5.07	2.42	0.00	28.70	5.07	2.42	0.00
26.15	5.07	2.42	0.00	28.75	5.07	2.42	0.00
26.20	5.07	2.42	0.00	28.80	5.07	2.42	0.00
26.25	5.07	2.42	0.00	28.85	5.07	2.42	0.00
26.30	5.07	2.42	0.00	28.90	5.07	2.42	0.00
26.35	5.07	2.42	0.00	28.95	5.07	2.42	0.00
26.40	5.07	2.42	0.00	29.00	5.07	2.42	0.00
26.45	5.07	2.42	0.00	29.05	5.07	2.42	0.00
26.50	5.07	2.42	0.00	29.10	5.07	2.42	0.00
26.55	5.07	2.42	0.00	29.15	5.07	2.42	0.00
26.60	5.07	2.42	0.00	29.20	5.07	2.42	0.00
26.65	5.07	2.42	0.00	29.25	5.07	2.42	0.00
26.70	5.07	2.42	0.00	29.30	5.07	2.42	0.00
26.75	5.07	2.42	0.00	29.35	5.07	2.42	0.00
26.80	5.07	2.42	0.00	29.40	5.07	2.42	0.00
26.85	5.07	2.42	0.00	29.45	5.07	2.42	0.00
26.90	5.07	2.42	0.00	29.50	5.07	2.42	0.00
26.95	5.07	2.42	0.00	29.55	5.07	2.42	0.00
27.00	5.07	2.42	0.00	29.60	5.07	2.42	0.00
27.05	5.07	2.42	0.00	29.65	5.07	2.42	0.00
27.10	5.07	2.42	0.00	29.70	5.07	2.42	0.00
27.15	5.07	2.42	0.00	29.75	5.07	2.42	0.00
27.20	5.07	2.42	0.00	29.80	5.07	2.42	0.00
27.25	5.07	2.42	0.00	29.85	5.07	2.42	0.00
27.30	5.07	2.42	0.00	29.90	5.07	2.42	0.00
27.35	5.07	2.42	0.00	29.95	5.07	2.42	0.00
27.40	5.07	2.42	0.00	30.00	5.07	2.42	0.00
27.45	5.07	2.42	0.00	30.05	5.07	2.42	0.00
27.50	5.07	2.42	0.00	30.10	5.07	2.42	0.00
27.55	5.07	2.42	0.00	30.15	5.07	2.42	0.00
27.60	5.07	2.42	0.00	30.20	5.07	2.42	0.00
27.65	5.07	2.42	0.00	30.25	5.07	2.42	0.00
27.70	5.07	2.42	0.00	30.30	5.07	2.42	0.00
27.75	5.07	2.42	0.00	30.35	5.07	2.42	0.00
27.80	5.07	2.42	0.00	30.40	5.07	2.42	0.00
27.85	5.07	2.42	0.00	30.45	5.07	2.42	0.00
27.90	5.07	2.42	0.00	30.50	5.07	2.42	0.00
27.95	5.07	2.42	0.00	30.55	5.07	2.42	0.00
28.00	5.07	2.42	0.00	30.60	5.07	2.42	0.00
28.05	5.07	2.42	0.00	30.65	5.07	2.42	0.00
28.10	5.07	2.42	0.00	30.70	5.07	2.42	0.00
28.15	5.07	2.42	0.00	30.75	5.07	2.42	0.00
28.20	5.07	2.42	0.00	30.80	5.07	2.42	0.00
28.25	5.07	2.42	0.00	30.85	5.07	2.42	0.00
28.30	5.07	2.42	0.00	30.90	5.07	2.42	0.00
28.35	5.07	2.42	0.00	30.95	5.07	2.42	0.00
28.40	5.07	2.42	0.00	31.00	5.07	2.42	0.00
28.45	5.07	2.42	0.00	31.05	5.07	2.42	0.00
28.50	5.07	2.42	0.00	31.10	5.07	2.42	0.00
28.55	5.07	2.42	0.00	31.15	5.07	2.42	0.00

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	2.42	0.00	33.80	5.07	2.42	0.00
31.25	5.07	2.42	0.00	33.85	5.07	2.42	0.00
31.30	5.07	2.42	0.00	33.90	5.07	2.42	0.00
31.35	5.07	2.42	0.00	33.95	5.07	2.42	0.00
31.40	5.07	2.42	0.00	34.00	5.07	2.42	0.00
31.45	5.07	2.42	0.00	34.05	5.07	2.42	0.00
31.50	5.07	2.42	0.00	34.10	5.07	2.42	0.00
31.55	5.07	2.42	0.00	34.15	5.07	2.42	0.00
31.60	5.07	2.42	0.00	34.20	5.07	2.42	0.00
31.65	5.07	2.42	0.00	34.25	5.07	2.42	0.00
31.70	5.07	2.42	0.00	34.30	5.07	2.42	0.00
31.75	5.07	2.42	0.00	34.35	5.07	2.42	0.00
31.80	5.07	2.42	0.00	34.40	5.07	2.42	0.00
31.85	5.07	2.42	0.00	34.45	5.07	2.42	0.00
31.90	5.07	2.42	0.00	34.50	5.07	2.42	0.00
31.95	5.07	2.42	0.00	34.55	5.07	2.42	0.00
32.00	5.07	2.42	0.00	34.60	5.07	2.42	0.00
32.05	5.07	2.42	0.00	34.65	5.07	2.42	0.00
32.10	5.07	2.42	0.00	34.70	5.07	2.42	0.00
32.15	5.07	2.42	0.00	34.75	5.07	2.42	0.00
32.20	5.07	2.42	0.00	34.80	5.07	2.42	0.00
32.25	5.07	2.42	0.00	34.85	5.07	2.42	0.00
32.30	5.07	2.42	0.00	34.90	5.07	2.42	0.00
32.35	5.07	2.42	0.00	34.95	5.07	2.42	0.00
32.40	5.07	2.42	0.00	35.00	5.07	2.42	0.00
32.45	5.07	2.42	0.00	35.05	5.07	2.42	0.00
32.50	5.07	2.42	0.00	35.10	5.07	2.42	0.00
32.55	5.07	2.42	0.00	35.15	5.07	2.42	0.00
32.60	5.07	2.42	0.00	35.20	5.07	2.42	0.00
32.65	5.07	2.42	0.00	35.25	5.07	2.42	0.00
32.70	5.07	2.42	0.00	35.30	5.07	2.42	0.00
32.75	5.07	2.42	0.00	35.35	5.07	2.42	0.00
32.80	5.07	2.42	0.00	35.40	5.07	2.42	0.00
32.85	5.07	2.42	0.00	35.45	5.07	2.42	0.00
32.90	5.07	2.42	0.00	35.50	5.07	2.42	0.00
32.95	5.07	2.42	0.00	35.55	5.07	2.42	0.00
33.00	5.07	2.42	0.00	35.60	5.07	2.42	0.00
33.05	5.07	2.42	0.00	35.65	5.07	2.42	0.00
33.10	5.07	2.42	0.00	35.70	5.07	2.42	0.00
33.15	5.07	2.42	0.00	35.75	5.07	2.42	0.00
33.20	5.07	2.42	0.00	35.80	5.07	2.42	0.00
33.25	5.07	2.42	0.00	35.85	5.07	2.42	0.00
33.30	5.07	2.42	0.00	35.90	5.07	2.42	0.00
33.35	5.07	2.42	0.00	35.95	5.07	2.42	0.00
33.40	5.07	2.42	0.00	36.00	5.07	2.42	0.00
33.45	5.07	2.42	0.00	36.05	5.07	2.42	0.00
33.50	5.07	2.42	0.00	36.10	5.07	2.42	0.00
33.55	5.07	2.42	0.00	36.15	5.07	2.42	0.00
33.60	5.07	2.42	0.00	36.20	5.07	2.42	0.00
33.65	5.07	2.42	0.00	36.25	5.07	2.42	0.00
33.70	5.07	2.42	0.00	36.30	5.07	2.42	0.00
33.75	5.07	2.42	0.00	36.35	5.07	2.42	0.00

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	2.42	0.00
36.45	5.07	2.42	0.00
36.50	5.07	2.42	0.00
36.55	5.07	2.42	0.00
36.60	5.07	2.42	0.00
36.65	5.07	2.42	0.00
36.70	5.07	2.42	0.00
36.75	5.07	2.42	0.00
36.80	5.07	2.42	0.00
36.85	5.07	2.42	0.00
36.90	5.07	2.42	0.00
36.95	5.07	2.42	0.00
37.00	5.07	2.42	0.00
37.05	5.07	2.42	0.00
37.10	5.07	2.42	0.00
37.15	5.07	2.42	0.00
37.20	5.07	2.42	0.00
37.25	5.07	2.42	0.00
37.30	5.07	2.42	0.00
37.35	5.07	2.42	0.00
37.40	5.07	2.42	0.00
37.45	5.07	2.42	0.00
37.50	5.07	2.42	0.00
37.55	5.07	2.42	0.00
37.60	5.07	2.42	0.00
37.65	5.07	2.42	0.00
37.70	5.07	2.42	0.00
37.75	5.07	2.42	0.00
37.80	5.07	2.42	0.00
37.85	5.07	2.42	0.00
37.90	5.07	2.42	0.00
37.95	5.07	2.42	0.00
38.00	5.07	2.42	0.00
38.05	5.07	2.42	0.00
38.10	5.07	2.42	0.00
38.15	5.07	2.42	0.00
38.20	5.07	2.42	0.00
38.25	5.07	2.42	0.00
38.30	5.07	2.42	0.00
38.35	5.07	2.42	0.00
38.40	5.07	2.42	0.00
38.45	5.07	2.42	0.00
38.50	5.07	2.42	0.00
38.55	5.07	2.42	0.00
38.60	5.07	2.42	0.00
38.65	5.07	2.42	0.00
38.70	5.07	2.42	0.00
38.75	5.07	2.42	0.00
38.80	5.07	2.42	0.00
38.85	5.07	2.42	0.00
38.90	5.07	2.42	0.00
38.95	5.07	2.42	0.00
39.00	5.07	2.42	0.00
39.05	5.07	2.42	0.00
39.10	5.07	2.42	0.00
39.15	5.07	2.42	0.00
39.20	5.07	2.42	0.00
39.25	5.07	2.42	0.00
39.30	5.07	2.42	0.00
39.35	5.07	2.42	0.00
39.40	5.07	2.42	0.00
39.45	5.07	2.42	0.00
39.50	5.07	2.42	0.00
39.55	5.07	2.42	0.00
39.60	5.07	2.42	0.00
39.65	5.07	2.42	0.00
39.70	5.07	2.42	0.00
39.75	5.07	2.42	0.00
39.80	5.07	2.42	0.00
39.85	5.07	2.42	0.00
39.90	5.07	2.42	0.00
39.95	5.07	2.42	0.00
40.00	5.07	2.42	0.00

Summary for Subcatchment 56l: PDA-56 (impervious)

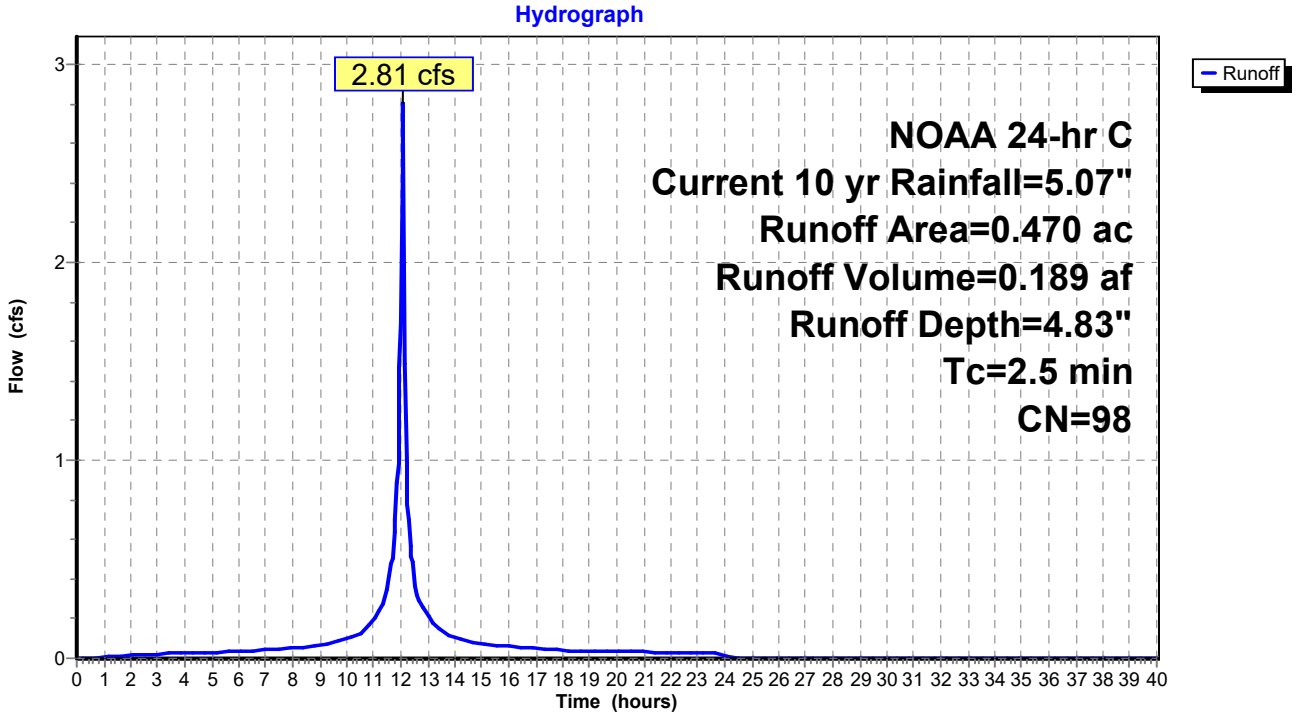
Runoff = 2.81 cfs @ 12.08 hrs, Volume= 0.189 af, Depth= 4.83"
Routed to Pond B-56 : Basin #56

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

	Area (ac)	CN	Description
*	0.470	98	Roof, HSG C
	0.470		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.5					**Direct Entry,**

Subcatchment 56l: PDA-56 (impervious)



Hydrograph for Subcatchment 56I: PDA-56 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.04	0.02
0.05	0.00	0.00	0.00	2.65	0.16	0.04	0.02
0.10	0.01	0.00	0.00	2.70	0.16	0.04	0.02
0.15	0.01	0.00	0.00	2.75	0.16	0.05	0.02
0.20	0.01	0.00	0.00	2.80	0.17	0.05	0.02
0.25	0.01	0.00	0.00	2.85	0.17	0.05	0.02
0.30	0.02	0.00	0.00	2.90	0.17	0.05	0.02
0.35	0.02	0.00	0.00	2.95	0.18	0.05	0.02
0.40	0.02	0.00	0.00	3.00	0.18	0.06	0.02
0.45	0.03	0.00	0.00	3.05	0.18	0.06	0.02
0.50	0.03	0.00	0.00	3.10	0.19	0.06	0.02
0.55	0.03	0.00	0.00	3.15	0.19	0.06	0.02
0.60	0.03	0.00	0.00	3.20	0.19	0.06	0.02
0.65	0.04	0.00	0.00	3.25	0.20	0.07	0.02
0.70	0.04	0.00	0.00	3.30	0.20	0.07	0.02
0.75	0.04	0.00	0.00	3.35	0.20	0.07	0.02
0.80	0.04	0.00	0.00	3.40	0.21	0.07	0.02
0.85	0.05	0.00	0.00	3.45	0.21	0.08	0.02
0.90	0.05	0.00	0.00	3.50	0.21	0.08	0.02
0.95	0.05	0.00	0.00	3.55	0.22	0.08	0.02
1.00	0.06	0.00	0.00	3.60	0.22	0.08	0.02
1.05	0.06	0.00	0.00	3.65	0.22	0.09	0.02
1.10	0.06	0.00	0.00	3.70	0.23	0.09	0.02
1.15	0.06	0.00	0.00	3.75	0.23	0.09	0.02
1.20	0.07	0.00	0.01	3.80	0.23	0.09	0.02
1.25	0.07	0.00	0.01	3.85	0.24	0.10	0.02
1.30	0.07	0.00	0.01	3.90	0.24	0.10	0.02
1.35	0.08	0.01	0.01	3.95	0.24	0.10	0.03
1.40	0.08	0.01	0.01	4.00	0.25	0.10	0.03
1.45	0.08	0.01	0.01	4.05	0.25	0.11	0.03
1.50	0.08	0.01	0.01	4.10	0.26	0.11	0.03
1.55	0.09	0.01	0.01	4.15	0.26	0.11	0.03
1.60	0.09	0.01	0.01	4.20	0.26	0.12	0.03
1.65	0.09	0.01	0.01	4.25	0.27	0.12	0.03
1.70	0.10	0.01	0.01	4.30	0.27	0.12	0.03
1.75	0.10	0.01	0.01	4.35	0.27	0.12	0.03
1.80	0.10	0.01	0.01	4.40	0.28	0.13	0.03
1.85	0.11	0.02	0.01	4.45	0.28	0.13	0.03
1.90	0.11	0.02	0.01	4.50	0.28	0.13	0.03
1.95	0.11	0.02	0.01	4.55	0.29	0.14	0.03
2.00	0.11	0.02	0.01	4.60	0.29	0.14	0.03
2.05	0.12	0.02	0.01	4.65	0.30	0.14	0.03
2.10	0.12	0.02	0.01	4.70	0.30	0.14	0.03
2.15	0.12	0.02	0.01	4.75	0.30	0.15	0.03
2.20	0.13	0.03	0.01	4.80	0.31	0.15	0.03
2.25	0.13	0.03	0.02	4.85	0.31	0.15	0.03
2.30	0.13	0.03	0.02	4.90	0.31	0.16	0.03
2.35	0.14	0.03	0.02	4.95	0.32	0.16	0.03
2.40	0.14	0.03	0.02	5.00	0.32	0.16	0.03
2.45	0.14	0.03	0.02	5.05	0.33	0.17	0.03
2.50	0.15	0.04	0.02	5.10	0.33	0.17	0.03
2.55	0.15	0.04	0.02	5.15	0.33	0.17	0.03

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.18	0.03	7.80	0.58	0.39	0.05
5.25	0.34	0.18	0.03	7.85	0.59	0.40	0.05
5.30	0.35	0.18	0.03	7.90	0.60	0.41	0.05
5.35	0.35	0.19	0.03	7.95	0.60	0.41	0.05
5.40	0.35	0.19	0.03	8.00	0.61	0.42	0.05
5.45	0.36	0.19	0.03	8.05	0.61	0.42	0.05
5.50	0.36	0.20	0.03	8.10	0.62	0.43	0.05
5.55	0.37	0.20	0.03	8.15	0.63	0.43	0.06
5.60	0.37	0.20	0.03	8.20	0.63	0.44	0.06
5.65	0.37	0.21	0.03	8.25	0.64	0.45	0.06
5.70	0.38	0.21	0.03	8.30	0.65	0.45	0.06
5.75	0.38	0.21	0.03	8.35	0.65	0.46	0.06
5.80	0.39	0.22	0.03	8.40	0.66	0.46	0.06
5.85	0.39	0.22	0.03	8.45	0.66	0.47	0.06
5.90	0.39	0.22	0.03	8.50	0.67	0.48	0.06
5.95	0.40	0.23	0.03	8.55	0.68	0.48	0.06
6.00	0.40	0.23	0.03	8.60	0.68	0.49	0.06
6.05	0.41	0.23	0.03	8.65	0.69	0.50	0.06
6.10	0.41	0.24	0.03	8.70	0.70	0.50	0.06
6.15	0.41	0.24	0.04	8.75	0.71	0.51	0.06
6.20	0.42	0.25	0.04	8.80	0.71	0.51	0.06
6.25	0.42	0.25	0.04	8.85	0.72	0.52	0.06
6.30	0.43	0.25	0.04	8.90	0.73	0.53	0.06
6.35	0.43	0.26	0.04	8.95	0.73	0.53	0.06
6.40	0.44	0.26	0.04	9.00	0.74	0.54	0.06
6.45	0.44	0.27	0.04	9.05	0.75	0.55	0.07
6.50	0.45	0.27	0.04	9.10	0.76	0.56	0.07
6.55	0.45	0.27	0.04	9.15	0.76	0.56	0.07
6.60	0.46	0.28	0.04	9.20	0.77	0.57	0.07
6.65	0.46	0.28	0.04	9.25	0.78	0.58	0.07
6.70	0.46	0.29	0.04	9.30	0.79	0.59	0.07
6.75	0.47	0.29	0.04	9.35	0.80	0.59	0.08
6.80	0.47	0.29	0.04	9.40	0.80	0.60	0.08
6.85	0.48	0.30	0.04	9.45	0.81	0.61	0.08
6.90	0.48	0.30	0.04	9.50	0.82	0.62	0.08
6.95	0.49	0.31	0.04	9.55	0.83	0.63	0.08
7.00	0.49	0.31	0.04	9.60	0.84	0.64	0.09
7.05	0.50	0.32	0.04	9.65	0.85	0.65	0.09
7.10	0.50	0.32	0.04	9.70	0.86	0.66	0.09
7.15	0.51	0.33	0.05	9.75	0.87	0.67	0.09
7.20	0.52	0.33	0.05	9.80	0.88	0.68	0.09
7.25	0.52	0.34	0.05	9.85	0.89	0.69	0.10
7.30	0.53	0.34	0.05	9.90	0.90	0.70	0.10
7.35	0.53	0.35	0.05	9.95	0.91	0.71	0.10
7.40	0.54	0.35	0.05	10.00	0.92	0.72	0.10
7.45	0.54	0.36	0.05	10.05	0.94	0.73	0.10
7.50	0.55	0.36	0.05	10.10	0.95	0.74	0.10
7.55	0.55	0.37	0.05	10.15	0.96	0.75	0.11
7.60	0.56	0.37	0.05	10.20	0.97	0.76	0.11
7.65	0.57	0.38	0.05	10.25	0.98	0.77	0.11
7.70	0.57	0.38	0.05	10.30	0.99	0.79	0.11
7.75	0.58	0.39	0.05	10.35	1.01	0.80	0.11

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.81	0.11	13.00	3.85	3.62	0.22
10.45	1.03	0.82	0.12	13.05	3.87	3.64	0.20
10.50	1.04	0.83	0.12	13.10	3.89	3.66	0.19
10.55	1.06	0.85	0.13	13.15	3.91	3.68	0.18
10.60	1.07	0.86	0.13	13.20	3.93	3.70	0.18
10.65	1.09	0.88	0.14	13.25	3.95	3.71	0.17
10.70	1.10	0.89	0.15	13.30	3.97	3.73	0.16
10.75	1.12	0.91	0.15	13.35	3.98	3.75	0.15
10.80	1.14	0.93	0.16	13.40	4.00	3.76	0.15
10.85	1.16	0.94	0.17	13.45	4.01	3.78	0.14
10.90	1.18	0.96	0.17	13.50	4.03	3.79	0.13
10.95	1.20	0.98	0.18	13.55	4.04	3.80	0.13
11.00	1.22	1.00	0.19	13.60	4.05	3.82	0.12
11.05	1.24	1.02	0.20	13.65	4.06	3.83	0.12
11.10	1.26	1.05	0.21	13.70	4.08	3.84	0.12
11.15	1.29	1.07	0.23	13.75	4.09	3.85	0.11
11.20	1.31	1.10	0.24	13.80	4.10	3.86	0.11
11.25	1.34	1.12	0.26	13.85	4.11	3.88	0.11
11.30	1.37	1.15	0.26	13.90	4.12	3.89	0.11
11.35	1.40	1.18	0.28	13.95	4.13	3.90	0.11
11.40	1.43	1.21	0.29	14.00	4.15	3.91	0.11
11.45	1.47	1.25	0.30	14.05	4.16	3.92	0.10
11.50	1.50	1.28	0.31	14.10	4.17	3.93	0.10
11.55	1.55	1.33	0.43	14.15	4.18	3.94	0.10
11.60	1.60	1.38	0.48	14.20	4.19	3.95	0.10
11.65	1.65	1.43	0.50	14.25	4.20	3.96	0.10
11.70	1.71	1.49	0.51	14.30	4.21	3.97	0.10
11.75	1.78	1.56	0.64	14.35	4.22	3.98	0.09
11.80	1.86	1.63	0.70	14.40	4.23	3.99	0.09
11.85	1.96	1.73	0.89	14.45	4.24	4.00	0.09
11.90	2.06	1.84	0.98	14.50	4.25	4.01	0.09
11.95	2.24	2.01	1.47	14.55	4.26	4.02	0.09
12.00	2.42	2.19	1.69	14.60	4.27	4.03	0.09
12.05	2.71	2.48	2.47	14.65	4.27	4.04	0.08
12.10	3.01	2.78	**2.72**	14.70	4.28	4.05	0.08
12.15	3.11	2.88	1.49	14.75	4.29	4.06	0.08
12.20	3.21	2.98	0.99	14.80	4.30	4.06	0.08
12.25	3.29	3.05	0.78	14.85	4.31	4.07	0.08
12.30	3.36	3.13	0.70	14.90	4.31	4.08	0.07
12.35	3.42	3.18	0.56	14.95	4.32	4.09	0.07
12.40	3.47	3.24	0.51	15.00	4.33	4.09	0.07
12.45	3.52	3.29	0.49	15.05	4.34	4.10	0.07
12.50	3.57	3.34	0.48	15.10	4.34	4.11	0.07
12.55	3.60	3.37	0.36	15.15	4.35	4.12	0.07
12.60	3.64	3.40	0.31	15.20	4.36	4.12	0.07
12.65	3.67	3.43	0.30	15.25	4.36	4.13	0.07
12.70	3.70	3.47	0.29	15.30	4.37	4.14	0.07
12.75	3.73	3.49	0.27	15.35	4.38	4.14	0.06
12.80	3.76	3.52	0.27	15.40	4.39	4.15	0.06
12.85	3.78	3.55	0.25	15.45	4.39	4.16	0.06
12.90	3.81	3.57	0.24	15.50	4.40	4.16	0.06
12.95	3.83	3.60	0.22	15.55	4.41	4.17	0.06

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	4.18	0.06	18.20	4.68	4.45	0.04
15.65	4.42	4.18	0.06	18.25	4.69	4.45	0.04
15.70	4.42	4.19	0.06	18.30	4.69	4.46	0.04
15.75	4.43	4.20	0.06	18.35	4.70	4.46	0.04
15.80	4.44	4.20	0.06	18.40	4.70	4.46	0.04
15.85	4.44	4.21	0.06	18.45	4.70	4.47	0.04
15.90	4.45	4.21	0.06	18.50	4.71	4.47	0.04
15.95	4.46	4.22	0.06	18.55	4.71	4.48	0.04
16.00	4.46	4.23	0.06	18.60	4.72	4.48	0.04
16.05	4.47	4.23	0.06	18.65	4.72	4.48	0.04
16.10	4.47	4.24	0.06	18.70	4.72	4.49	0.04
16.15	4.48	4.24	0.06	18.75	4.73	4.49	0.04
16.20	4.49	4.25	0.06	18.80	4.73	4.50	0.04
16.25	4.49	4.26	0.06	18.85	4.74	4.50	0.04
16.30	4.50	4.26	0.06	18.90	4.74	4.50	0.04
16.35	4.50	4.27	0.06	18.95	4.74	4.51	0.04
16.40	4.51	4.27	0.05	19.00	4.75	4.51	0.04
16.45	4.52	4.28	0.05	19.05	4.75	4.51	0.04
16.50	4.52	4.29	0.05	19.10	4.76	4.52	0.04
16.55	4.53	4.29	0.05	19.15	4.76	4.52	0.04
16.60	4.53	4.30	0.05	19.20	4.76	4.53	0.04
16.65	4.54	4.30	0.05	19.25	4.77	4.53	0.04
16.70	4.54	4.31	0.05	19.30	4.77	4.53	0.04
16.75	4.55	4.31	0.05	19.35	4.77	4.54	0.04
16.80	4.55	4.32	0.05	19.40	4.78	4.54	0.04
16.85	4.56	4.32	0.05	19.45	4.78	4.55	0.04
16.90	4.57	4.33	0.05	19.50	4.79	4.55	0.04
16.95	4.57	4.33	0.05	19.55	4.79	4.55	0.04
17.00	4.58	4.34	0.05	19.60	4.79	4.56	0.04
17.05	4.58	4.34	0.05	19.65	4.80	4.56	0.03
17.10	4.59	4.35	0.05	19.70	4.80	4.56	0.03
17.15	4.59	4.35	0.05	19.75	4.80	4.57	0.03
17.20	4.60	4.36	0.05	19.80	4.81	4.57	0.03
17.25	4.60	4.36	0.05	19.85	4.81	4.57	0.03
17.30	4.61	4.37	0.05	19.90	4.81	4.58	0.03
17.35	4.61	4.37	0.05	19.95	4.82	4.58	0.03
17.40	4.61	4.38	0.05	20.00	4.82	4.59	0.03
17.45	4.62	4.38	0.04	20.05	4.83	4.59	0.03
17.50	4.62	4.39	0.04	20.10	4.83	4.59	0.03
17.55	4.63	4.39	0.04	20.15	4.83	4.60	0.03
17.60	4.63	4.40	0.04	20.20	4.84	4.60	0.03
17.65	4.64	4.40	0.04	20.25	4.84	4.60	0.03
17.70	4.64	4.41	0.04	20.30	4.84	4.61	0.03
17.75	4.65	4.41	0.04	20.35	4.85	4.61	0.03
17.80	4.65	4.42	0.04	20.40	4.85	4.61	0.03
17.85	4.66	4.42	0.04	20.45	4.85	4.62	0.03
17.90	4.66	4.42	0.04	20.50	4.86	4.62	0.03
17.95	4.66	4.43	0.04	20.55	4.86	4.62	0.03
18.00	4.67	4.43	0.04	20.60	4.86	4.63	0.03
18.05	4.67	4.44	0.04	20.65	4.87	4.63	0.03
18.10	4.68	4.44	0.04	20.70	4.87	4.63	0.03
18.15	4.68	4.44	0.04	20.75	4.87	4.64	0.03

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	4.64	0.03	23.40	5.04	4.80	0.03
20.85	4.88	4.64	0.03	23.45	5.04	4.80	0.03
20.90	4.88	4.65	0.03	23.50	5.04	4.81	0.03
20.95	4.89	4.65	0.03	23.55	5.04	4.81	0.03
21.00	4.89	4.65	0.03	23.60	5.05	4.81	0.03
21.05	4.89	4.66	0.03	23.65	5.05	4.81	0.03
21.10	4.90	4.66	0.03	23.70	5.05	4.82	0.03
21.15	4.90	4.66	0.03	23.75	5.06	4.82	0.03
21.20	4.90	4.67	0.03	23.80	5.06	4.82	0.02
21.25	4.91	4.67	0.03	23.85	5.06	4.82	0.02
21.30	4.91	4.67	0.03	23.90	5.06	4.83	0.02
21.35	4.91	4.68	0.03	23.95	5.07	4.83	0.03
21.40	4.92	4.68	0.03	24.00	**5.07**	**4.83**	0.03
21.45	4.92	4.68	0.03	24.05	5.07	4.83	0.01
21.50	4.92	4.69	0.03	24.10	5.07	4.83	0.00
21.55	4.93	4.69	0.03	24.15	5.07	4.83	0.00
21.60	4.93	4.69	0.03	24.20	5.07	4.83	0.00
21.65	4.93	4.70	0.03	24.25	5.07	4.83	0.00
21.70	4.94	4.70	0.03	24.30	5.07	4.83	0.00
21.75	4.94	4.70	0.03	24.35	5.07	4.83	0.00
21.80	4.94	4.71	0.03	24.40	5.07	4.83	0.00
21.85	4.95	4.71	0.03	24.45	5.07	4.83	0.00
21.90	4.95	4.71	0.03	24.50	5.07	4.83	0.00
21.95	4.95	4.72	0.03	24.55	5.07	4.83	0.00
22.00	4.96	4.72	0.03	24.60	5.07	4.83	0.00
22.05	4.96	4.72	0.03	24.65	5.07	4.83	0.00
22.10	4.96	4.72	0.03	24.70	5.07	4.83	0.00
22.15	4.96	4.73	0.03	24.75	5.07	4.83	0.00
22.20	4.97	4.73	0.03	24.80	5.07	4.83	0.00
22.25	4.97	4.73	0.03	24.85	5.07	4.83	0.00
22.30	4.97	4.74	0.03	24.90	5.07	4.83	0.00
22.35	4.98	4.74	0.03	24.95	5.07	4.83	0.00
22.40	4.98	4.74	0.03	25.00	5.07	4.83	0.00
22.45	4.98	4.75	0.03	25.05	5.07	4.83	0.00
22.50	4.99	4.75	0.03	25.10	5.07	4.83	0.00
22.55	4.99	4.75	0.03	25.15	5.07	4.83	0.00
22.60	4.99	4.75	0.03	25.20	5.07	4.83	0.00
22.65	4.99	4.76	0.03	25.25	5.07	4.83	0.00
22.70	5.00	4.76	0.03	25.30	5.07	4.83	0.00
22.75	5.00	4.76	0.03	25.35	5.07	4.83	0.00
22.80	5.00	4.77	0.03	25.40	5.07	4.83	0.00
22.85	5.01	4.77	0.03	25.45	5.07	4.83	0.00
22.90	5.01	4.77	0.03	25.50	5.07	4.83	0.00
22.95	5.01	4.77	0.03	25.55	5.07	4.83	0.00
23.00	5.01	4.78	0.03	25.60	5.07	4.83	0.00
23.05	5.02	4.78	0.03	25.65	5.07	4.83	0.00
23.10	5.02	4.78	0.03	25.70	5.07	4.83	0.00
23.15	5.02	4.79	0.03	25.75	5.07	4.83	0.00
23.20	5.03	4.79	0.03	25.80	5.07	4.83	0.00
23.25	5.03	4.79	0.03	25.85	5.07	4.83	0.00
23.30	5.03	4.79	0.03	25.90	5.07	4.83	0.00
23.35	5.03	4.80	0.03	25.95	5.07	4.83	0.00

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	4.83	0.00	28.60	5.07	4.83	0.00
26.05	5.07	4.83	0.00	28.65	5.07	4.83	0.00
26.10	5.07	4.83	0.00	28.70	5.07	4.83	0.00
26.15	5.07	4.83	0.00	28.75	5.07	4.83	0.00
26.20	5.07	4.83	0.00	28.80	5.07	4.83	0.00
26.25	5.07	4.83	0.00	28.85	5.07	4.83	0.00
26.30	5.07	4.83	0.00	28.90	5.07	4.83	0.00
26.35	5.07	4.83	0.00	28.95	5.07	4.83	0.00
26.40	5.07	4.83	0.00	29.00	5.07	4.83	0.00
26.45	5.07	4.83	0.00	29.05	5.07	4.83	0.00
26.50	5.07	4.83	0.00	29.10	5.07	4.83	0.00
26.55	5.07	4.83	0.00	29.15	5.07	4.83	0.00
26.60	5.07	4.83	0.00	29.20	5.07	4.83	0.00
26.65	5.07	4.83	0.00	29.25	5.07	4.83	0.00
26.70	5.07	4.83	0.00	29.30	5.07	4.83	0.00
26.75	5.07	4.83	0.00	29.35	5.07	4.83	0.00
26.80	5.07	4.83	0.00	29.40	5.07	4.83	0.00
26.85	5.07	4.83	0.00	29.45	5.07	4.83	0.00
26.90	5.07	4.83	0.00	29.50	5.07	4.83	0.00
26.95	5.07	4.83	0.00	29.55	5.07	4.83	0.00
27.00	5.07	4.83	0.00	29.60	5.07	4.83	0.00
27.05	5.07	4.83	0.00	29.65	5.07	4.83	0.00
27.10	5.07	4.83	0.00	29.70	5.07	4.83	0.00
27.15	5.07	4.83	0.00	29.75	5.07	4.83	0.00
27.20	5.07	4.83	0.00	29.80	5.07	4.83	0.00
27.25	5.07	4.83	0.00	29.85	5.07	4.83	0.00
27.30	5.07	4.83	0.00	29.90	5.07	4.83	0.00
27.35	5.07	4.83	0.00	29.95	5.07	4.83	0.00
27.40	5.07	4.83	0.00	30.00	5.07	4.83	0.00
27.45	5.07	4.83	0.00	30.05	5.07	4.83	0.00
27.50	5.07	4.83	0.00	30.10	5.07	4.83	0.00
27.55	5.07	4.83	0.00	30.15	5.07	4.83	0.00
27.60	5.07	4.83	0.00	30.20	5.07	4.83	0.00
27.65	5.07	4.83	0.00	30.25	5.07	4.83	0.00
27.70	5.07	4.83	0.00	30.30	5.07	4.83	0.00
27.75	5.07	4.83	0.00	30.35	5.07	4.83	0.00
27.80	5.07	4.83	0.00	30.40	5.07	4.83	0.00
27.85	5.07	4.83	0.00	30.45	5.07	4.83	0.00
27.90	5.07	4.83	0.00	30.50	5.07	4.83	0.00
27.95	5.07	4.83	0.00	30.55	5.07	4.83	0.00
28.00	5.07	4.83	0.00	30.60	5.07	4.83	0.00
28.05	5.07	4.83	0.00	30.65	5.07	4.83	0.00
28.10	5.07	4.83	0.00	30.70	5.07	4.83	0.00
28.15	5.07	4.83	0.00	30.75	5.07	4.83	0.00
28.20	5.07	4.83	0.00	30.80	5.07	4.83	0.00
28.25	5.07	4.83	0.00	30.85	5.07	4.83	0.00
28.30	5.07	4.83	0.00	30.90	5.07	4.83	0.00
28.35	5.07	4.83	0.00	30.95	5.07	4.83	0.00
28.40	5.07	4.83	0.00	31.00	5.07	4.83	0.00
28.45	5.07	4.83	0.00	31.05	5.07	4.83	0.00
28.50	5.07	4.83	0.00	31.10	5.07	4.83	0.00
28.55	5.07	4.83	0.00	31.15	5.07	4.83	0.00

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	4.83	0.00	33.80	5.07	4.83	0.00
31.25	5.07	4.83	0.00	33.85	5.07	4.83	0.00
31.30	5.07	4.83	0.00	33.90	5.07	4.83	0.00
31.35	5.07	4.83	0.00	33.95	5.07	4.83	0.00
31.40	5.07	4.83	0.00	34.00	5.07	4.83	0.00
31.45	5.07	4.83	0.00	34.05	5.07	4.83	0.00
31.50	5.07	4.83	0.00	34.10	5.07	4.83	0.00
31.55	5.07	4.83	0.00	34.15	5.07	4.83	0.00
31.60	5.07	4.83	0.00	34.20	5.07	4.83	0.00
31.65	5.07	4.83	0.00	34.25	5.07	4.83	0.00
31.70	5.07	4.83	0.00	34.30	5.07	4.83	0.00
31.75	5.07	4.83	0.00	34.35	5.07	4.83	0.00
31.80	5.07	4.83	0.00	34.40	5.07	4.83	0.00
31.85	5.07	4.83	0.00	34.45	5.07	4.83	0.00
31.90	5.07	4.83	0.00	34.50	5.07	4.83	0.00
31.95	5.07	4.83	0.00	34.55	5.07	4.83	0.00
32.00	5.07	4.83	0.00	34.60	5.07	4.83	0.00
32.05	5.07	4.83	0.00	34.65	5.07	4.83	0.00
32.10	5.07	4.83	0.00	34.70	5.07	4.83	0.00
32.15	5.07	4.83	0.00	34.75	5.07	4.83	0.00
32.20	5.07	4.83	0.00	34.80	5.07	4.83	0.00
32.25	5.07	4.83	0.00	34.85	5.07	4.83	0.00
32.30	5.07	4.83	0.00	34.90	5.07	4.83	0.00
32.35	5.07	4.83	0.00	34.95	5.07	4.83	0.00
32.40	5.07	4.83	0.00	35.00	5.07	4.83	0.00
32.45	5.07	4.83	0.00	35.05	5.07	4.83	0.00
32.50	5.07	4.83	0.00	35.10	5.07	4.83	0.00
32.55	5.07	4.83	0.00	35.15	5.07	4.83	0.00
32.60	5.07	4.83	0.00	35.20	5.07	4.83	0.00
32.65	5.07	4.83	0.00	35.25	5.07	4.83	0.00
32.70	5.07	4.83	0.00	35.30	5.07	4.83	0.00
32.75	5.07	4.83	0.00	35.35	5.07	4.83	0.00
32.80	5.07	4.83	0.00	35.40	5.07	4.83	0.00
32.85	5.07	4.83	0.00	35.45	5.07	4.83	0.00
32.90	5.07	4.83	0.00	35.50	5.07	4.83	0.00
32.95	5.07	4.83	0.00	35.55	5.07	4.83	0.00
33.00	5.07	4.83	0.00	35.60	5.07	4.83	0.00
33.05	5.07	4.83	0.00	35.65	5.07	4.83	0.00
33.10	5.07	4.83	0.00	35.70	5.07	4.83	0.00
33.15	5.07	4.83	0.00	35.75	5.07	4.83	0.00
33.20	5.07	4.83	0.00	35.80	5.07	4.83	0.00
33.25	5.07	4.83	0.00	35.85	5.07	4.83	0.00
33.30	5.07	4.83	0.00	35.90	5.07	4.83	0.00
33.35	5.07	4.83	0.00	35.95	5.07	4.83	0.00
33.40	5.07	4.83	0.00	36.00	5.07	4.83	0.00
33.45	5.07	4.83	0.00	36.05	5.07	4.83	0.00
33.50	5.07	4.83	0.00	36.10	5.07	4.83	0.00
33.55	5.07	4.83	0.00	36.15	5.07	4.83	0.00
33.60	5.07	4.83	0.00	36.20	5.07	4.83	0.00
33.65	5.07	4.83	0.00	36.25	5.07	4.83	0.00
33.70	5.07	4.83	0.00	36.30	5.07	4.83	0.00
33.75	5.07	4.83	0.00	36.35	5.07	4.83	0.00

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	4.83	0.00
36.45	5.07	4.83	0.00
36.50	5.07	4.83	0.00
36.55	5.07	4.83	0.00
36.60	5.07	4.83	0.00
36.65	5.07	4.83	0.00
36.70	5.07	4.83	0.00
36.75	5.07	4.83	0.00
36.80	5.07	4.83	0.00
36.85	5.07	4.83	0.00
36.90	5.07	4.83	0.00
36.95	5.07	4.83	0.00
37.00	5.07	4.83	0.00
37.05	5.07	4.83	0.00
37.10	5.07	4.83	0.00
37.15	5.07	4.83	0.00
37.20	5.07	4.83	0.00
37.25	5.07	4.83	0.00
37.30	5.07	4.83	0.00
37.35	5.07	4.83	0.00
37.40	5.07	4.83	0.00
37.45	5.07	4.83	0.00
37.50	5.07	4.83	0.00
37.55	5.07	4.83	0.00
37.60	5.07	4.83	0.00
37.65	5.07	4.83	0.00
37.70	5.07	4.83	0.00
37.75	5.07	4.83	0.00
37.80	5.07	4.83	0.00
37.85	5.07	4.83	0.00
37.90	5.07	4.83	0.00
37.95	5.07	4.83	0.00
38.00	5.07	4.83	0.00
38.05	5.07	4.83	0.00
38.10	5.07	4.83	0.00
38.15	5.07	4.83	0.00
38.20	5.07	4.83	0.00
38.25	5.07	4.83	0.00
38.30	5.07	4.83	0.00
38.35	5.07	4.83	0.00
38.40	5.07	4.83	0.00
38.45	5.07	4.83	0.00
38.50	5.07	4.83	0.00
38.55	5.07	4.83	0.00
38.60	5.07	4.83	0.00
38.65	5.07	4.83	0.00
38.70	5.07	4.83	0.00
38.75	5.07	4.83	0.00
38.80	5.07	4.83	0.00
38.85	5.07	4.83	0.00
38.90	5.07	4.83	0.00
38.95	5.07	4.83	0.00
39.00	5.07	4.83	0.00
39.05	5.07	4.83	0.00
39.10	5.07	4.83	0.00
39.15	5.07	4.83	0.00
39.20	5.07	4.83	0.00
39.25	5.07	4.83	0.00
39.30	5.07	4.83	0.00
39.35	5.07	4.83	0.00
39.40	5.07	4.83	0.00
39.45	5.07	4.83	0.00
39.50	5.07	4.83	0.00
39.55	5.07	4.83	0.00
39.60	5.07	4.83	0.00
39.65	5.07	4.83	0.00
39.70	5.07	4.83	0.00
39.75	5.07	4.83	0.00
39.80	5.07	4.83	0.00
39.85	5.07	4.83	0.00
39.90	5.07	4.83	0.00
39.95	5.07	4.83	0.00
40.00	5.07	4.83	0.00

Summary for Subcatchment 56P: PDA-56 (pervious)

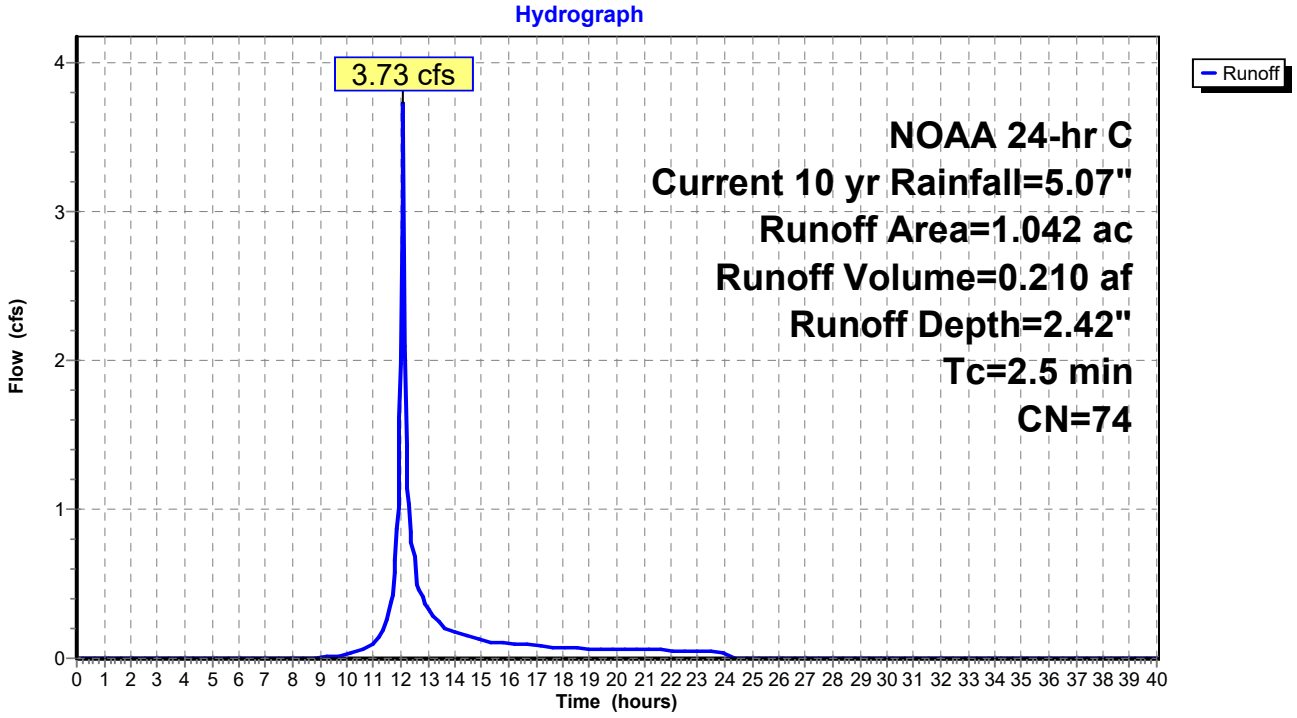
Runoff = 3.73 cfs @ 12.09 hrs, Volume= 0.210 af, Depth= 2.42"
Routed to Pond B-56 : Basin #56

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
1.042	74	>75% Grass cover, Good, HSG C
1.042		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.5					**Direct Entry,**

Subcatchment 56P: PDA-56 (pervious)



Hydrograph for Subcatchment 56P: PDA-56 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.00
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.00
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.00
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.01
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.01
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.01
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.01
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.01
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.01
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.01
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.01
7.00	0.49	0.00	0.00	9.60	0.84	0.01	0.01
7.05	0.50	0.00	0.00	9.65	0.85	0.01	0.02
7.10	0.50	0.00	0.00	9.70	0.86	0.01	0.02
7.15	0.51	0.00	0.00	9.75	0.87	0.01	0.02
7.20	0.52	0.00	0.00	9.80	0.88	0.01	0.02
7.25	0.52	0.00	0.00	9.85	0.89	0.01	0.02
7.30	0.53	0.00	0.00	9.90	0.90	0.01	0.02
7.35	0.53	0.00	0.00	9.95	0.91	0.01	0.02
7.40	0.54	0.00	0.00	10.00	0.92	0.01	0.03
7.45	0.54	0.00	0.00	10.05	0.94	0.01	0.03
7.50	0.55	0.00	0.00	10.10	0.95	0.02	0.03
7.55	0.55	0.00	0.00	10.15	0.96	0.02	0.03
7.60	0.56	0.00	0.00	10.20	0.97	0.02	0.03
7.65	0.57	0.00	0.00	10.25	0.98	0.02	0.03
7.70	0.57	0.00	0.00	10.30	0.99	0.02	0.04
7.75	0.58	0.00	0.00	10.35	1.01	0.02	0.04

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.03	0.04	13.00	3.85	1.49	0.34
10.45	1.03	0.03	0.04	13.05	3.87	1.50	0.32
10.50	1.04	0.03	0.04	13.10	3.89	1.52	0.31
10.55	1.06	0.03	0.05	13.15	3.91	1.53	0.29
10.60	1.07	0.04	0.05	13.20	3.93	1.55	0.28
10.65	1.09	0.04	0.06	13.25	3.95	1.56	0.27
10.70	1.10	0.04	0.06	13.30	3.97	1.57	0.26
10.75	1.12	0.04	0.07	13.35	3.98	1.58	0.25
10.80	1.14	0.05	0.07	13.40	4.00	1.59	0.24
10.85	1.16	0.05	0.08	13.45	4.01	1.60	0.23
10.90	1.18	0.06	0.09	13.50	4.03	1.61	0.22
10.95	1.20	0.06	0.09	13.55	4.04	1.62	0.20
11.00	1.22	0.07	0.10	13.60	4.05	1.63	0.20
11.05	1.24	0.07	0.11	13.65	4.06	1.64	0.19
11.10	1.26	0.08	0.12	13.70	4.08	1.65	0.19
11.15	1.29	0.08	0.13	13.75	4.09	1.66	0.19
11.20	1.31	0.09	0.14	13.80	4.10	1.67	0.19
11.25	1.34	0.10	0.16	13.85	4.11	1.68	0.18
11.30	1.37	0.11	0.17	13.90	4.12	1.69	0.18
11.35	1.40	0.12	0.19	13.95	4.13	1.70	0.18
11.40	1.43	0.13	0.20	14.00	4.15	1.70	0.18
11.45	1.47	0.14	0.22	14.05	4.16	1.71	0.17
11.50	1.50	0.15	0.23	14.10	4.17	1.72	0.17
11.55	1.55	0.16	0.33	14.15	4.18	1.73	0.17
11.60	1.60	0.18	0.38	14.20	4.19	1.74	0.17
11.65	1.65	0.20	0.41	14.25	4.20	1.74	0.16
11.70	1.71	0.22	0.44	14.30	4.21	1.75	0.16
11.75	1.78	0.25	0.58	14.35	4.22	1.76	0.16
11.80	1.86	0.29	0.66	14.40	4.23	1.77	0.15
11.85	1.96	0.33	0.87	14.45	4.24	1.77	0.15
11.90	2.06	0.38	1.02	14.50	4.25	1.78	0.15
11.95	2.24	0.47	1.61	14.55	4.26	1.79	0.14
12.00	2.42	0.56	1.98	14.60	4.27	1.79	0.14
12.05	2.71	0.73	3.10	14.65	4.27	1.80	0.14
12.10	3.01	0.91	**3.67**	14.70	4.28	1.81	0.14
12.15	3.11	0.98	2.09	14.75	4.29	1.81	0.13
12.20	3.21	1.05	1.43	14.80	4.30	1.82	0.13
12.25	3.29	1.10	1.14	14.85	4.31	1.82	0.13
12.30	3.36	1.15	1.04	14.90	4.31	1.83	0.12
12.35	3.42	1.18	0.85	14.95	4.32	1.84	0.12
12.40	3.47	1.22	0.78	15.00	4.33	1.84	0.12
12.45	3.52	1.25	0.75	15.05	4.34	1.85	0.12
12.50	3.57	1.29	0.74	15.10	4.34	1.85	0.11
12.55	3.60	1.31	0.56	15.15	4.35	1.86	0.11
12.60	3.64	1.34	0.49	15.20	4.36	1.86	0.11
12.65	3.67	1.36	0.47	15.25	4.36	1.87	0.11
12.70	3.70	1.38	0.46	15.30	4.37	1.87	0.11
12.75	3.73	1.40	0.43	15.35	4.38	1.88	0.11
12.80	3.76	1.42	0.42	15.40	4.39	1.88	0.11
12.85	3.78	1.44	0.40	15.45	4.39	1.89	0.11
12.90	3.81	1.46	0.38	15.50	4.40	1.89	0.11
12.95	3.83	1.47	0.36	15.55	4.41	1.90	0.11

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	1.90	0.11	18.20	4.68	2.12	0.07
15.65	4.42	1.91	0.10	18.25	4.69	2.12	0.07
15.70	4.42	1.91	0.10	18.30	4.69	2.12	0.07
15.75	4.43	1.92	0.10	18.35	4.70	2.12	0.07
15.80	4.44	1.92	0.10	18.40	4.70	2.13	0.07
15.85	4.44	1.93	0.10	18.45	4.70	2.13	0.07
15.90	4.45	1.93	0.10	18.50	4.71	2.13	0.07
15.95	4.46	1.94	0.10	18.55	4.71	2.14	0.07
16.00	4.46	1.94	0.10	18.60	4.72	2.14	0.06
16.05	4.47	1.95	0.10	18.65	4.72	2.14	0.06
16.10	4.47	1.95	0.10	18.70	4.72	2.15	0.06
16.15	4.48	1.96	0.10	18.75	4.73	2.15	0.06
16.20	4.49	1.96	0.10	18.80	4.73	2.15	0.06
16.25	4.49	1.97	0.10	18.85	4.74	2.16	0.06
16.30	4.50	1.97	0.09	18.90	4.74	2.16	0.06
16.35	4.50	1.98	0.09	18.95	4.74	2.16	0.06
16.40	4.51	1.98	0.09	19.00	4.75	2.16	0.06
16.45	4.52	1.98	0.09	19.05	4.75	2.17	0.06
16.50	4.52	1.99	0.09	19.10	4.76	2.17	0.06
16.55	4.53	1.99	0.09	19.15	4.76	2.17	0.06
16.60	4.53	2.00	0.09	19.20	4.76	2.18	0.06
16.65	4.54	2.00	0.09	19.25	4.77	2.18	0.06
16.70	4.54	2.01	0.09	19.30	4.77	2.18	0.06
16.75	4.55	2.01	0.09	19.35	4.77	2.19	0.06
16.80	4.55	2.01	0.09	19.40	4.78	2.19	0.06
16.85	4.56	2.02	0.09	19.45	4.78	2.19	0.06
16.90	4.57	2.02	0.09	19.50	4.79	2.19	0.06
16.95	4.57	2.03	0.08	19.55	4.79	2.20	0.06
17.00	4.58	2.03	0.08	19.60	4.79	2.20	0.06
17.05	4.58	2.03	0.08	19.65	4.80	2.20	0.06
17.10	4.59	2.04	0.08	19.70	4.80	2.21	0.06
17.15	4.59	2.04	0.08	19.75	4.80	2.21	0.06
17.20	4.60	2.05	0.08	19.80	4.81	2.21	0.06
17.25	4.60	2.05	0.08	19.85	4.81	2.21	0.06
17.30	4.61	2.05	0.08	19.90	4.81	2.22	0.06
17.35	4.61	2.06	0.08	19.95	4.82	2.22	0.06
17.40	4.61	2.06	0.08	20.00	4.82	2.22	0.06
17.45	4.62	2.06	0.08	20.05	4.83	2.23	0.06
17.50	4.62	2.07	0.08	20.10	4.83	2.23	0.06
17.55	4.63	2.07	0.08	20.15	4.83	2.23	0.06
17.60	4.63	2.08	0.07	20.20	4.84	2.23	0.06
17.65	4.64	2.08	0.07	20.25	4.84	2.24	0.06
17.70	4.64	2.08	0.07	20.30	4.84	2.24	0.06
17.75	4.65	2.09	0.07	20.35	4.85	2.24	0.06
17.80	4.65	2.09	0.07	20.40	4.85	2.25	0.06
17.85	4.66	2.09	0.07	20.45	4.85	2.25	0.06
17.90	4.66	2.10	0.07	20.50	4.86	2.25	0.06
17.95	4.66	2.10	0.07	20.55	4.86	2.25	0.06
18.00	4.67	2.10	0.07	20.60	4.86	2.26	0.06
18.05	4.67	2.11	0.07	20.65	4.87	2.26	0.06
18.10	4.68	2.11	0.07	20.70	4.87	2.26	0.06
18.15	4.68	2.11	0.07	20.75	4.87	2.26	0.06

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	2.27	0.06	23.40	5.04	2.39	0.05
20.85	4.88	2.27	0.06	23.45	5.04	2.40	0.05
20.90	4.88	2.27	0.06	23.50	5.04	2.40	0.05
20.95	4.89	2.28	0.06	23.55	5.04	2.40	0.05
21.00	4.89	2.28	0.06	23.60	5.05	2.40	0.05
21.05	4.89	2.28	0.06	23.65	5.05	2.40	0.05
21.10	4.90	2.28	0.06	23.70	5.05	2.41	0.05
21.15	4.90	2.29	0.05	23.75	5.06	2.41	0.04
21.20	4.90	2.29	0.05	23.80	5.06	2.41	0.04
21.25	4.91	2.29	0.05	23.85	5.06	2.41	0.04
21.30	4.91	2.29	0.05	23.90	5.06	2.42	0.04
21.35	4.91	2.30	0.05	23.95	5.07	2.42	0.05
21.40	4.92	2.30	0.05	24.00	**5.07**	**2.42**	0.05
21.45	4.92	2.30	0.05	24.05	5.07	2.42	0.02
21.50	4.92	2.30	0.05	24.10	5.07	2.42	0.00
21.55	4.93	2.31	0.05	24.15	5.07	2.42	0.00
21.60	4.93	2.31	0.05	24.20	5.07	2.42	0.00
21.65	4.93	2.31	0.05	24.25	5.07	2.42	0.00
21.70	4.94	2.31	0.05	24.30	5.07	2.42	0.00
21.75	4.94	2.32	0.05	24.35	5.07	2.42	0.00
21.80	4.94	2.32	0.05	24.40	5.07	2.42	0.00
21.85	4.95	2.32	0.05	24.45	5.07	2.42	0.00
21.90	4.95	2.32	0.05	24.50	5.07	2.42	0.00
21.95	4.95	2.33	0.05	24.55	5.07	2.42	0.00
22.00	4.96	2.33	0.05	24.60	5.07	2.42	0.00
22.05	4.96	2.33	0.05	24.65	5.07	2.42	0.00
22.10	4.96	2.33	0.05	24.70	5.07	2.42	0.00
22.15	4.96	2.34	0.05	24.75	5.07	2.42	0.00
22.20	4.97	2.34	0.05	24.80	5.07	2.42	0.00
22.25	4.97	2.34	0.05	24.85	5.07	2.42	0.00
22.30	4.97	2.34	0.05	24.90	5.07	2.42	0.00
22.35	4.98	2.35	0.05	24.95	5.07	2.42	0.00
22.40	4.98	2.35	0.05	25.00	5.07	2.42	0.00
22.45	4.98	2.35	0.05	25.05	5.07	2.42	0.00
22.50	4.99	2.35	0.05	25.10	5.07	2.42	0.00
22.55	4.99	2.36	0.05	25.15	5.07	2.42	0.00
22.60	4.99	2.36	0.05	25.20	5.07	2.42	0.00
22.65	4.99	2.36	0.05	25.25	5.07	2.42	0.00
22.70	5.00	2.36	0.05	25.30	5.07	2.42	0.00
22.75	5.00	2.36	0.05	25.35	5.07	2.42	0.00
22.80	5.00	2.37	0.05	25.40	5.07	2.42	0.00
22.85	5.01	2.37	0.05	25.45	5.07	2.42	0.00
22.90	5.01	2.37	0.05	25.50	5.07	2.42	0.00
22.95	5.01	2.37	0.05	25.55	5.07	2.42	0.00
23.00	5.01	2.38	0.05	25.60	5.07	2.42	0.00
23.05	5.02	2.38	0.05	25.65	5.07	2.42	0.00
23.10	5.02	2.38	0.05	25.70	5.07	2.42	0.00
23.15	5.02	2.38	0.05	25.75	5.07	2.42	0.00
23.20	5.03	2.38	0.05	25.80	5.07	2.42	0.00
23.25	5.03	2.39	0.05	25.85	5.07	2.42	0.00
23.30	5.03	2.39	0.05	25.90	5.07	2.42	0.00
23.35	5.03	2.39	0.05	25.95	5.07	2.42	0.00

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	2.42	0.00	28.60	5.07	2.42	0.00
26.05	5.07	2.42	0.00	28.65	5.07	2.42	0.00
26.10	5.07	2.42	0.00	28.70	5.07	2.42	0.00
26.15	5.07	2.42	0.00	28.75	5.07	2.42	0.00
26.20	5.07	2.42	0.00	28.80	5.07	2.42	0.00
26.25	5.07	2.42	0.00	28.85	5.07	2.42	0.00
26.30	5.07	2.42	0.00	28.90	5.07	2.42	0.00
26.35	5.07	2.42	0.00	28.95	5.07	2.42	0.00
26.40	5.07	2.42	0.00	29.00	5.07	2.42	0.00
26.45	5.07	2.42	0.00	29.05	5.07	2.42	0.00
26.50	5.07	2.42	0.00	29.10	5.07	2.42	0.00
26.55	5.07	2.42	0.00	29.15	5.07	2.42	0.00
26.60	5.07	2.42	0.00	29.20	5.07	2.42	0.00
26.65	5.07	2.42	0.00	29.25	5.07	2.42	0.00
26.70	5.07	2.42	0.00	29.30	5.07	2.42	0.00
26.75	5.07	2.42	0.00	29.35	5.07	2.42	0.00
26.80	5.07	2.42	0.00	29.40	5.07	2.42	0.00
26.85	5.07	2.42	0.00	29.45	5.07	2.42	0.00
26.90	5.07	2.42	0.00	29.50	5.07	2.42	0.00
26.95	5.07	2.42	0.00	29.55	5.07	2.42	0.00
27.00	5.07	2.42	0.00	29.60	5.07	2.42	0.00
27.05	5.07	2.42	0.00	29.65	5.07	2.42	0.00
27.10	5.07	2.42	0.00	29.70	5.07	2.42	0.00
27.15	5.07	2.42	0.00	29.75	5.07	2.42	0.00
27.20	5.07	2.42	0.00	29.80	5.07	2.42	0.00
27.25	5.07	2.42	0.00	29.85	5.07	2.42	0.00
27.30	5.07	2.42	0.00	29.90	5.07	2.42	0.00
27.35	5.07	2.42	0.00	29.95	5.07	2.42	0.00
27.40	5.07	2.42	0.00	30.00	5.07	2.42	0.00
27.45	5.07	2.42	0.00	30.05	5.07	2.42	0.00
27.50	5.07	2.42	0.00	30.10	5.07	2.42	0.00
27.55	5.07	2.42	0.00	30.15	5.07	2.42	0.00
27.60	5.07	2.42	0.00	30.20	5.07	2.42	0.00
27.65	5.07	2.42	0.00	30.25	5.07	2.42	0.00
27.70	5.07	2.42	0.00	30.30	5.07	2.42	0.00
27.75	5.07	2.42	0.00	30.35	5.07	2.42	0.00
27.80	5.07	2.42	0.00	30.40	5.07	2.42	0.00
27.85	5.07	2.42	0.00	30.45	5.07	2.42	0.00
27.90	5.07	2.42	0.00	30.50	5.07	2.42	0.00
27.95	5.07	2.42	0.00	30.55	5.07	2.42	0.00
28.00	5.07	2.42	0.00	30.60	5.07	2.42	0.00
28.05	5.07	2.42	0.00	30.65	5.07	2.42	0.00
28.10	5.07	2.42	0.00	30.70	5.07	2.42	0.00
28.15	5.07	2.42	0.00	30.75	5.07	2.42	0.00
28.20	5.07	2.42	0.00	30.80	5.07	2.42	0.00
28.25	5.07	2.42	0.00	30.85	5.07	2.42	0.00
28.30	5.07	2.42	0.00	30.90	5.07	2.42	0.00
28.35	5.07	2.42	0.00	30.95	5.07	2.42	0.00
28.40	5.07	2.42	0.00	31.00	5.07	2.42	0.00
28.45	5.07	2.42	0.00	31.05	5.07	2.42	0.00
28.50	5.07	2.42	0.00	31.10	5.07	2.42	0.00
28.55	5.07	2.42	0.00	31.15	5.07	2.42	0.00

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	2.42	0.00	33.80	5.07	2.42	0.00
31.25	5.07	2.42	0.00	33.85	5.07	2.42	0.00
31.30	5.07	2.42	0.00	33.90	5.07	2.42	0.00
31.35	5.07	2.42	0.00	33.95	5.07	2.42	0.00
31.40	5.07	2.42	0.00	34.00	5.07	2.42	0.00
31.45	5.07	2.42	0.00	34.05	5.07	2.42	0.00
31.50	5.07	2.42	0.00	34.10	5.07	2.42	0.00
31.55	5.07	2.42	0.00	34.15	5.07	2.42	0.00
31.60	5.07	2.42	0.00	34.20	5.07	2.42	0.00
31.65	5.07	2.42	0.00	34.25	5.07	2.42	0.00
31.70	5.07	2.42	0.00	34.30	5.07	2.42	0.00
31.75	5.07	2.42	0.00	34.35	5.07	2.42	0.00
31.80	5.07	2.42	0.00	34.40	5.07	2.42	0.00
31.85	5.07	2.42	0.00	34.45	5.07	2.42	0.00
31.90	5.07	2.42	0.00	34.50	5.07	2.42	0.00
31.95	5.07	2.42	0.00	34.55	5.07	2.42	0.00
32.00	5.07	2.42	0.00	34.60	5.07	2.42	0.00
32.05	5.07	2.42	0.00	34.65	5.07	2.42	0.00
32.10	5.07	2.42	0.00	34.70	5.07	2.42	0.00
32.15	5.07	2.42	0.00	34.75	5.07	2.42	0.00
32.20	5.07	2.42	0.00	34.80	5.07	2.42	0.00
32.25	5.07	2.42	0.00	34.85	5.07	2.42	0.00
32.30	5.07	2.42	0.00	34.90	5.07	2.42	0.00
32.35	5.07	2.42	0.00	34.95	5.07	2.42	0.00
32.40	5.07	2.42	0.00	35.00	5.07	2.42	0.00
32.45	5.07	2.42	0.00	35.05	5.07	2.42	0.00
32.50	5.07	2.42	0.00	35.10	5.07	2.42	0.00
32.55	5.07	2.42	0.00	35.15	5.07	2.42	0.00
32.60	5.07	2.42	0.00	35.20	5.07	2.42	0.00
32.65	5.07	2.42	0.00	35.25	5.07	2.42	0.00
32.70	5.07	2.42	0.00	35.30	5.07	2.42	0.00
32.75	5.07	2.42	0.00	35.35	5.07	2.42	0.00
32.80	5.07	2.42	0.00	35.40	5.07	2.42	0.00
32.85	5.07	2.42	0.00	35.45	5.07	2.42	0.00
32.90	5.07	2.42	0.00	35.50	5.07	2.42	0.00
32.95	5.07	2.42	0.00	35.55	5.07	2.42	0.00
33.00	5.07	2.42	0.00	35.60	5.07	2.42	0.00
33.05	5.07	2.42	0.00	35.65	5.07	2.42	0.00
33.10	5.07	2.42	0.00	35.70	5.07	2.42	0.00
33.15	5.07	2.42	0.00	35.75	5.07	2.42	0.00
33.20	5.07	2.42	0.00	35.80	5.07	2.42	0.00
33.25	5.07	2.42	0.00	35.85	5.07	2.42	0.00
33.30	5.07	2.42	0.00	35.90	5.07	2.42	0.00
33.35	5.07	2.42	0.00	35.95	5.07	2.42	0.00
33.40	5.07	2.42	0.00	36.00	5.07	2.42	0.00
33.45	5.07	2.42	0.00	36.05	5.07	2.42	0.00
33.50	5.07	2.42	0.00	36.10	5.07	2.42	0.00
33.55	5.07	2.42	0.00	36.15	5.07	2.42	0.00
33.60	5.07	2.42	0.00	36.20	5.07	2.42	0.00
33.65	5.07	2.42	0.00	36.25	5.07	2.42	0.00
33.70	5.07	2.42	0.00	36.30	5.07	2.42	0.00
33.75	5.07	2.42	0.00	36.35	5.07	2.42	0.00

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	2.42	0.00
36.45	5.07	2.42	0.00
36.50	5.07	2.42	0.00
36.55	5.07	2.42	0.00
36.60	5.07	2.42	0.00
36.65	5.07	2.42	0.00
36.70	5.07	2.42	0.00
36.75	5.07	2.42	0.00
36.80	5.07	2.42	0.00
36.85	5.07	2.42	0.00
36.90	5.07	2.42	0.00
36.95	5.07	2.42	0.00
37.00	5.07	2.42	0.00
37.05	5.07	2.42	0.00
37.10	5.07	2.42	0.00
37.15	5.07	2.42	0.00
37.20	5.07	2.42	0.00
37.25	5.07	2.42	0.00
37.30	5.07	2.42	0.00
37.35	5.07	2.42	0.00
37.40	5.07	2.42	0.00
37.45	5.07	2.42	0.00
37.50	5.07	2.42	0.00
37.55	5.07	2.42	0.00
37.60	5.07	2.42	0.00
37.65	5.07	2.42	0.00
37.70	5.07	2.42	0.00
37.75	5.07	2.42	0.00
37.80	5.07	2.42	0.00
37.85	5.07	2.42	0.00
37.90	5.07	2.42	0.00
37.95	5.07	2.42	0.00
38.00	5.07	2.42	0.00
38.05	5.07	2.42	0.00
38.10	5.07	2.42	0.00
38.15	5.07	2.42	0.00
38.20	5.07	2.42	0.00
38.25	5.07	2.42	0.00
38.30	5.07	2.42	0.00
38.35	5.07	2.42	0.00
38.40	5.07	2.42	0.00
38.45	5.07	2.42	0.00
38.50	5.07	2.42	0.00
38.55	5.07	2.42	0.00
38.60	5.07	2.42	0.00
38.65	5.07	2.42	0.00
38.70	5.07	2.42	0.00
38.75	5.07	2.42	0.00
38.80	5.07	2.42	0.00
38.85	5.07	2.42	0.00
38.90	5.07	2.42	0.00
38.95	5.07	2.42	0.00
39.00	5.07	2.42	0.00
39.05	5.07	2.42	0.00
39.10	5.07	2.42	0.00
39.15	5.07	2.42	0.00
39.20	5.07	2.42	0.00
39.25	5.07	2.42	0.00
39.30	5.07	2.42	0.00
39.35	5.07	2.42	0.00
39.40	5.07	2.42	0.00
39.45	5.07	2.42	0.00
39.50	5.07	2.42	0.00
39.55	5.07	2.42	0.00
39.60	5.07	2.42	0.00
39.65	5.07	2.42	0.00
39.70	5.07	2.42	0.00
39.75	5.07	2.42	0.00
39.80	5.07	2.42	0.00
39.85	5.07	2.42	0.00
39.90	5.07	2.42	0.00
39.95	5.07	2.42	0.00
40.00	5.07	2.42	0.00

Summary for Subcatchment 57I: PDA-57 (impervious)

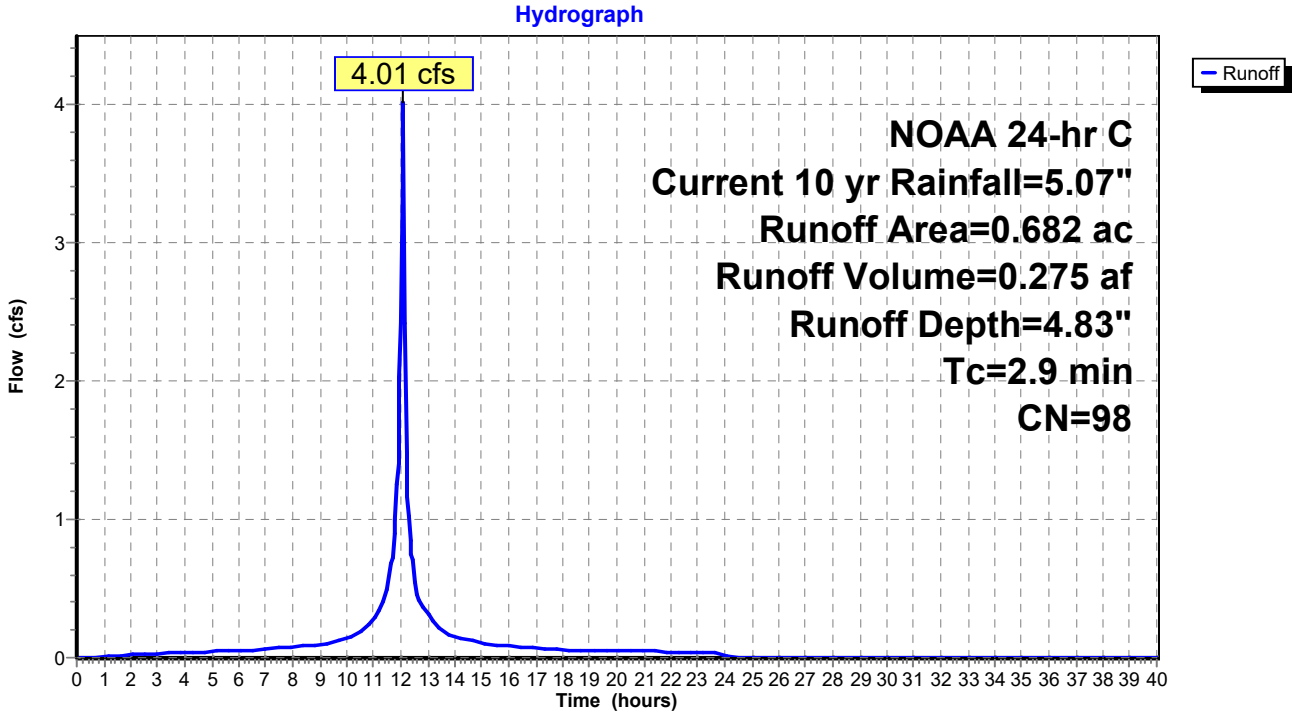
Runoff = 4.01 cfs @ 12.09 hrs, Volume= 0.275 af, Depth= 4.83"
Routed to Pond B-57 : Basin #57

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

	Area (ac)	CN	Description
*	0.268	98	Pavement, HSG C
*	0.378	98	Roof, HSG C
*	0.036	98	Concrete, HSG C
	0.682	98	Weighted Average
	0.682		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.9					**Direct Entry,**

Subcatchment 57I: PDA-57 (impervious)



Hydrograph for Subcatchment 57I: PDA-57 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.04	0.03
0.05	0.00	0.00	0.00	2.65	0.16	0.04	0.03
0.10	0.01	0.00	0.00	2.70	0.16	0.04	0.03
0.15	0.01	0.00	0.00	2.75	0.16	0.05	0.03
0.20	0.01	0.00	0.00	2.80	0.17	0.05	0.03
0.25	0.01	0.00	0.00	2.85	0.17	0.05	0.03
0.30	0.02	0.00	0.00	2.90	0.17	0.05	0.03
0.35	0.02	0.00	0.00	2.95	0.18	0.05	0.03
0.40	0.02	0.00	0.00	3.00	0.18	0.06	0.03
0.45	0.03	0.00	0.00	3.05	0.18	0.06	0.03
0.50	0.03	0.00	0.00	3.10	0.19	0.06	0.03
0.55	0.03	0.00	0.00	3.15	0.19	0.06	0.03
0.60	0.03	0.00	0.00	3.20	0.19	0.06	0.03
0.65	0.04	0.00	0.00	3.25	0.20	0.07	0.03
0.70	0.04	0.00	0.00	3.30	0.20	0.07	0.03
0.75	0.04	0.00	0.00	3.35	0.20	0.07	0.03
0.80	0.04	0.00	0.00	3.40	0.21	0.07	0.03
0.85	0.05	0.00	0.00	3.45	0.21	0.08	0.03
0.90	0.05	0.00	0.00	3.50	0.21	0.08	0.03
0.95	0.05	0.00	0.00	3.55	0.22	0.08	0.03
1.00	0.06	0.00	0.00	3.60	0.22	0.08	0.03
1.05	0.06	0.00	0.01	3.65	0.22	0.09	0.03
1.10	0.06	0.00	0.01	3.70	0.23	0.09	0.03
1.15	0.06	0.00	0.01	3.75	0.23	0.09	0.04
1.20	0.07	0.00	0.01	3.80	0.23	0.09	0.04
1.25	0.07	0.00	0.01	3.85	0.24	0.10	0.04
1.30	0.07	0.00	0.01	3.90	0.24	0.10	0.04
1.35	0.08	0.01	0.01	3.95	0.24	0.10	0.04
1.40	0.08	0.01	0.01	4.00	0.25	0.10	0.04
1.45	0.08	0.01	0.01	4.05	0.25	0.11	0.04
1.50	0.08	0.01	0.01	4.10	0.26	0.11	0.04
1.55	0.09	0.01	0.01	4.15	0.26	0.11	0.04
1.60	0.09	0.01	0.01	4.20	0.26	0.12	0.04
1.65	0.09	0.01	0.01	4.25	0.27	0.12	0.04
1.70	0.10	0.01	0.02	4.30	0.27	0.12	0.04
1.75	0.10	0.01	0.02	4.35	0.27	0.12	0.04
1.80	0.10	0.01	0.02	4.40	0.28	0.13	0.04
1.85	0.11	0.02	0.02	4.45	0.28	0.13	0.04
1.90	0.11	0.02	0.02	4.50	0.28	0.13	0.04
1.95	0.11	0.02	0.02	4.55	0.29	0.14	0.04
2.00	0.11	0.02	0.02	4.60	0.29	0.14	0.04
2.05	0.12	0.02	0.02	4.65	0.30	0.14	0.04
2.10	0.12	0.02	0.02	4.70	0.30	0.14	0.04
2.15	0.12	0.02	0.02	4.75	0.30	0.15	0.04
2.20	0.13	0.03	0.02	4.80	0.31	0.15	0.04
2.25	0.13	0.03	0.02	4.85	0.31	0.15	0.04
2.30	0.13	0.03	0.02	4.90	0.31	0.16	0.04
2.35	0.14	0.03	0.02	4.95	0.32	0.16	0.04
2.40	0.14	0.03	0.02	5.00	0.32	0.16	0.04
2.45	0.14	0.03	0.02	5.05	0.33	0.17	0.04
2.50	0.15	0.04	0.02	5.10	0.33	0.17	0.04
2.55	0.15	0.04	0.02	5.15	0.33	0.17	0.04

Hydrograph for Subcatchment 57l: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.18	0.04	7.80	0.58	0.39	0.07
5.25	0.34	0.18	0.04	7.85	0.59	0.40	0.08
5.30	0.35	0.18	0.04	7.90	0.60	0.41	0.08
5.35	0.35	0.19	0.05	7.95	0.60	0.41	0.08
5.40	0.35	0.19	0.05	8.00	0.61	0.42	0.08
5.45	0.36	0.19	0.05	8.05	0.61	0.42	0.08
5.50	0.36	0.20	0.05	8.10	0.62	0.43	0.08
5.55	0.37	0.20	0.05	8.15	0.63	0.43	0.08
5.60	0.37	0.20	0.05	8.20	0.63	0.44	0.08
5.65	0.37	0.21	0.05	8.25	0.64	0.45	0.08
5.70	0.38	0.21	0.05	8.30	0.65	0.45	0.08
5.75	0.38	0.21	0.05	8.35	0.65	0.46	0.08
5.80	0.39	0.22	0.05	8.40	0.66	0.46	0.08
5.85	0.39	0.22	0.05	8.45	0.66	0.47	0.08
5.90	0.39	0.22	0.05	8.50	0.67	0.48	0.09
5.95	0.40	0.23	0.05	8.55	0.68	0.48	0.09
6.00	0.40	0.23	0.05	8.60	0.68	0.49	0.09
6.05	0.41	0.23	0.05	8.65	0.69	0.50	0.09
6.10	0.41	0.24	0.05	8.70	0.70	0.50	0.09
6.15	0.41	0.24	0.05	8.75	0.71	0.51	0.09
6.20	0.42	0.25	0.05	8.80	0.71	0.51	0.09
6.25	0.42	0.25	0.05	8.85	0.72	0.52	0.09
6.30	0.43	0.25	0.05	8.90	0.73	0.53	0.09
6.35	0.43	0.26	0.05	8.95	0.73	0.53	0.09
6.40	0.44	0.26	0.05	9.00	0.74	0.54	0.09
6.45	0.44	0.27	0.06	9.05	0.75	0.55	0.10
6.50	0.45	0.27	0.06	9.10	0.76	0.56	0.10
6.55	0.45	0.27	0.06	9.15	0.76	0.56	0.10
6.60	0.46	0.28	0.06	9.20	0.77	0.57	0.10
6.65	0.46	0.28	0.06	9.25	0.78	0.58	0.11
6.70	0.46	0.29	0.06	9.30	0.79	0.59	0.11
6.75	0.47	0.29	0.06	9.35	0.80	0.59	0.11
6.80	0.47	0.29	0.06	9.40	0.80	0.60	0.11
6.85	0.48	0.30	0.06	9.45	0.81	0.61	0.12
6.90	0.48	0.30	0.06	9.50	0.82	0.62	0.12
6.95	0.49	0.31	0.06	9.55	0.83	0.63	0.12
7.00	0.49	0.31	0.06	9.60	0.84	0.64	0.12
7.05	0.50	0.32	0.06	9.65	0.85	0.65	0.13
7.10	0.50	0.32	0.06	9.70	0.86	0.66	0.13
7.15	0.51	0.33	0.07	9.75	0.87	0.67	0.13
7.20	0.52	0.33	0.07	9.80	0.88	0.68	0.13
7.25	0.52	0.34	0.07	9.85	0.89	0.69	0.14
7.30	0.53	0.34	0.07	9.90	0.90	0.70	0.14
7.35	0.53	0.35	0.07	9.95	0.91	0.71	0.14
7.40	0.54	0.35	0.07	10.00	0.92	0.72	0.14
7.45	0.54	0.36	0.07	10.05	0.94	0.73	0.15
7.50	0.55	0.36	0.07	10.10	0.95	0.74	0.15
7.55	0.55	0.37	0.07	10.15	0.96	0.75	0.15
7.60	0.56	0.37	0.07	10.20	0.97	0.76	0.16
7.65	0.57	0.38	0.07	10.25	0.98	0.77	0.16
7.70	0.57	0.38	0.07	10.30	0.99	0.79	0.16
7.75	0.58	0.39	0.07	10.35	1.01	0.80	0.16

Hydrograph for Subcatchment 57I: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.81	0.17	13.00	3.85	3.62	0.31
10.45	1.03	0.82	0.17	13.05	3.87	3.64	0.29
10.50	1.04	0.83	0.17	13.10	3.89	3.66	0.28
10.55	1.06	0.85	0.18	13.15	3.91	3.68	0.26
10.60	1.07	0.86	0.19	13.20	3.93	3.70	0.26
10.65	1.09	0.88	0.20	13.25	3.95	3.71	0.24
10.70	1.10	0.89	0.21	13.30	3.97	3.73	0.24
10.75	1.12	0.91	0.22	13.35	3.98	3.75	0.22
10.80	1.14	0.93	0.23	13.40	4.00	3.76	0.22
10.85	1.16	0.94	0.24	13.45	4.01	3.78	0.20
10.90	1.18	0.96	0.25	13.50	4.03	3.79	0.20
10.95	1.20	0.98	0.26	13.55	4.04	3.80	0.18
11.00	1.22	1.00	0.27	13.60	4.05	3.82	0.18
11.05	1.24	1.02	0.29	13.65	4.06	3.83	0.17
11.10	1.26	1.05	0.31	13.70	4.08	3.84	0.17
11.15	1.29	1.07	0.33	13.75	4.09	3.85	0.17
11.20	1.31	1.10	0.34	13.80	4.10	3.86	0.17
11.25	1.34	1.12	0.37	13.85	4.11	3.88	0.16
11.30	1.37	1.15	0.38	13.90	4.12	3.89	0.16
11.35	1.40	1.18	0.40	13.95	4.13	3.90	0.16
11.40	1.43	1.21	0.42	14.00	4.15	3.91	0.15
11.45	1.47	1.25	0.44	14.05	4.16	3.92	0.15
11.50	1.50	1.28	0.45	14.10	4.17	3.93	0.15
11.55	1.55	1.33	0.60	14.15	4.18	3.94	0.15
11.60	1.60	1.38	0.69	14.20	4.19	3.95	0.14
11.65	1.65	1.43	0.72	14.25	4.20	3.96	0.14
11.70	1.71	1.49	0.74	14.30	4.21	3.97	0.14
11.75	1.78	1.56	0.90	14.35	4.22	3.98	0.14
11.80	1.86	1.63	1.00	14.40	4.23	3.99	0.13
11.85	1.96	1.73	1.25	14.45	4.24	4.00	0.13
11.90	2.06	1.84	1.41	14.50	4.25	4.01	0.13
11.95	2.24	2.01	2.03	14.55	4.26	4.02	0.13
12.00	2.42	2.19	2.42	14.60	4.27	4.03	0.12
12.05	2.71	2.48	3.43	14.65	4.27	4.04	0.12
12.10	3.01	2.78	**3.95**	14.70	4.28	4.05	0.12
12.15	3.11	2.88	2.41	14.75	4.29	4.06	0.12
12.20	3.21	2.98	1.48	14.80	4.30	4.06	0.11
12.25	3.29	3.05	1.17	14.85	4.31	4.07	0.11
12.30	3.36	3.13	1.02	14.90	4.31	4.08	0.11
12.35	3.42	3.18	0.84	14.95	4.32	4.09	0.10
12.40	3.47	3.24	0.75	15.00	4.33	4.09	0.10
12.45	3.52	3.29	0.72	15.05	4.34	4.10	0.10
12.50	3.57	3.34	0.70	15.10	4.34	4.11	0.10
12.55	3.60	3.37	0.55	15.15	4.35	4.12	0.10
12.60	3.64	3.40	0.46	15.20	4.36	4.12	0.10
12.65	3.67	3.43	0.44	15.25	4.36	4.13	0.10
12.70	3.70	3.47	0.43	15.30	4.37	4.14	0.09
12.75	3.73	3.49	0.40	15.35	4.38	4.14	0.09
12.80	3.76	3.52	0.39	15.40	4.39	4.15	0.09
12.85	3.78	3.55	0.36	15.45	4.39	4.16	0.09
12.90	3.81	3.57	0.35	15.50	4.40	4.16	0.09
12.95	3.83	3.60	0.33	15.55	4.41	4.17	0.09

Hydrograph for Subcatchment 57l: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	4.18	0.09	18.20	4.68	4.45	0.06
15.65	4.42	4.18	0.09	18.25	4.69	4.45	0.06
15.70	4.42	4.19	0.09	18.30	4.69	4.46	0.06
15.75	4.43	4.20	0.09	18.35	4.70	4.46	0.06
15.80	4.44	4.20	0.09	18.40	4.70	4.46	0.05
15.85	4.44	4.21	0.09	18.45	4.70	4.47	0.05
15.90	4.45	4.21	0.09	18.50	4.71	4.47	0.05
15.95	4.46	4.22	0.09	18.55	4.71	4.48	0.05
16.00	4.46	4.23	0.08	18.60	4.72	4.48	0.05
16.05	4.47	4.23	0.08	18.65	4.72	4.48	0.05
16.10	4.47	4.24	0.08	18.70	4.72	4.49	0.05
16.15	4.48	4.24	0.08	18.75	4.73	4.49	0.05
16.20	4.49	4.25	0.08	18.80	4.73	4.50	0.05
16.25	4.49	4.26	0.08	18.85	4.74	4.50	0.05
16.30	4.50	4.26	0.08	18.90	4.74	4.50	0.05
16.35	4.50	4.27	0.08	18.95	4.74	4.51	0.05
16.40	4.51	4.27	0.08	19.00	4.75	4.51	0.05
16.45	4.52	4.28	0.08	19.05	4.75	4.51	0.05
16.50	4.52	4.29	0.08	19.10	4.76	4.52	0.05
16.55	4.53	4.29	0.08	19.15	4.76	4.52	0.05
16.60	4.53	4.30	0.08	19.20	4.76	4.53	0.05
16.65	4.54	4.30	0.08	19.25	4.77	4.53	0.05
16.70	4.54	4.31	0.08	19.30	4.77	4.53	0.05
16.75	4.55	4.31	0.07	19.35	4.77	4.54	0.05
16.80	4.55	4.32	0.07	19.40	4.78	4.54	0.05
16.85	4.56	4.32	0.07	19.45	4.78	4.55	0.05
16.90	4.57	4.33	0.07	19.50	4.79	4.55	0.05
16.95	4.57	4.33	0.07	19.55	4.79	4.55	0.05
17.00	4.58	4.34	0.07	19.60	4.79	4.56	0.05
17.05	4.58	4.34	0.07	19.65	4.80	4.56	0.05
17.10	4.59	4.35	0.07	19.70	4.80	4.56	0.05
17.15	4.59	4.35	0.07	19.75	4.80	4.57	0.05
17.20	4.60	4.36	0.07	19.80	4.81	4.57	0.05
17.25	4.60	4.36	0.07	19.85	4.81	4.57	0.05
17.30	4.61	4.37	0.07	19.90	4.81	4.58	0.05
17.35	4.61	4.37	0.07	19.95	4.82	4.58	0.05
17.40	4.61	4.38	0.07	20.00	4.82	4.59	0.05
17.45	4.62	4.38	0.06	20.05	4.83	4.59	0.05
17.50	4.62	4.39	0.06	20.10	4.83	4.59	0.05
17.55	4.63	4.39	0.06	20.15	4.83	4.60	0.05
17.60	4.63	4.40	0.06	20.20	4.84	4.60	0.05
17.65	4.64	4.40	0.06	20.25	4.84	4.60	0.05
17.70	4.64	4.41	0.06	20.30	4.84	4.61	0.05
17.75	4.65	4.41	0.06	20.35	4.85	4.61	0.05
17.80	4.65	4.42	0.06	20.40	4.85	4.61	0.05
17.85	4.66	4.42	0.06	20.45	4.85	4.62	0.05
17.90	4.66	4.42	0.06	20.50	4.86	4.62	0.05
17.95	4.66	4.43	0.06	20.55	4.86	4.62	0.05
18.00	4.67	4.43	0.06	20.60	4.86	4.63	0.05
18.05	4.67	4.44	0.06	20.65	4.87	4.63	0.05
18.10	4.68	4.44	0.06	20.70	4.87	4.63	0.05
18.15	4.68	4.44	0.06	20.75	4.87	4.64	0.05

Hydrograph for Subcatchment 57I: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	4.64	0.05	23.40	5.04	4.80	0.04
20.85	4.88	4.64	0.05	23.45	5.04	4.80	0.04
20.90	4.88	4.65	0.05	23.50	5.04	4.81	0.04
20.95	4.89	4.65	0.05	23.55	5.04	4.81	0.04
21.00	4.89	4.65	0.05	23.60	5.05	4.81	0.04
21.05	4.89	4.66	0.05	23.65	5.05	4.81	0.04
21.10	4.90	4.66	0.05	23.70	5.05	4.82	0.04
21.15	4.90	4.66	0.05	23.75	5.06	4.82	0.04
21.20	4.90	4.67	0.05	23.80	5.06	4.82	0.04
21.25	4.91	4.67	0.05	23.85	5.06	4.82	0.04
21.30	4.91	4.67	0.05	23.90	5.06	4.83	0.04
21.35	4.91	4.68	0.04	23.95	5.07	4.83	0.04
21.40	4.92	4.68	0.04	24.00	**5.07**	**4.83**	0.04
21.45	4.92	4.68	0.04	24.05	5.07	4.83	0.02
21.50	4.92	4.69	0.04	24.10	5.07	4.83	0.00
21.55	4.93	4.69	0.04	24.15	5.07	4.83	0.00
21.60	4.93	4.69	0.04	24.20	5.07	4.83	0.00
21.65	4.93	4.70	0.04	24.25	5.07	4.83	0.00
21.70	4.94	4.70	0.04	24.30	5.07	4.83	0.00
21.75	4.94	4.70	0.04	24.35	5.07	4.83	0.00
21.80	4.94	4.71	0.04	24.40	5.07	4.83	0.00
21.85	4.95	4.71	0.04	24.45	5.07	4.83	0.00
21.90	4.95	4.71	0.04	24.50	5.07	4.83	0.00
21.95	4.95	4.72	0.04	24.55	5.07	4.83	0.00
22.00	4.96	4.72	0.04	24.60	5.07	4.83	0.00
22.05	4.96	4.72	0.04	24.65	5.07	4.83	0.00
22.10	4.96	4.72	0.04	24.70	5.07	4.83	0.00
22.15	4.96	4.73	0.04	24.75	5.07	4.83	0.00
22.20	4.97	4.73	0.04	24.80	5.07	4.83	0.00
22.25	4.97	4.73	0.04	24.85	5.07	4.83	0.00
22.30	4.97	4.74	0.04	24.90	5.07	4.83	0.00
22.35	4.98	4.74	0.04	24.95	5.07	4.83	0.00
22.40	4.98	4.74	0.04	25.00	5.07	4.83	0.00
22.45	4.98	4.75	0.04	25.05	5.07	4.83	0.00
22.50	4.99	4.75	0.04	25.10	5.07	4.83	0.00
22.55	4.99	4.75	0.04	25.15	5.07	4.83	0.00
22.60	4.99	4.75	0.04	25.20	5.07	4.83	0.00
22.65	4.99	4.76	0.04	25.25	5.07	4.83	0.00
22.70	5.00	4.76	0.04	25.30	5.07	4.83	0.00
22.75	5.00	4.76	0.04	25.35	5.07	4.83	0.00
22.80	5.00	4.77	0.04	25.40	5.07	4.83	0.00
22.85	5.01	4.77	0.04	25.45	5.07	4.83	0.00
22.90	5.01	4.77	0.04	25.50	5.07	4.83	0.00
22.95	5.01	4.77	0.04	25.55	5.07	4.83	0.00
23.00	5.01	4.78	0.04	25.60	5.07	4.83	0.00
23.05	5.02	4.78	0.04	25.65	5.07	4.83	0.00
23.10	5.02	4.78	0.04	25.70	5.07	4.83	0.00
23.15	5.02	4.79	0.04	25.75	5.07	4.83	0.00
23.20	5.03	4.79	0.04	25.80	5.07	4.83	0.00
23.25	5.03	4.79	0.04	25.85	5.07	4.83	0.00
23.30	5.03	4.79	0.04	25.90	5.07	4.83	0.00
23.35	5.03	4.80	0.04	25.95	5.07	4.83	0.00

Hydrograph for Subcatchment 57I: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	4.83	0.00	28.60	5.07	4.83	0.00
26.05	5.07	4.83	0.00	28.65	5.07	4.83	0.00
26.10	5.07	4.83	0.00	28.70	5.07	4.83	0.00
26.15	5.07	4.83	0.00	28.75	5.07	4.83	0.00
26.20	5.07	4.83	0.00	28.80	5.07	4.83	0.00
26.25	5.07	4.83	0.00	28.85	5.07	4.83	0.00
26.30	5.07	4.83	0.00	28.90	5.07	4.83	0.00
26.35	5.07	4.83	0.00	28.95	5.07	4.83	0.00
26.40	5.07	4.83	0.00	29.00	5.07	4.83	0.00
26.45	5.07	4.83	0.00	29.05	5.07	4.83	0.00
26.50	5.07	4.83	0.00	29.10	5.07	4.83	0.00
26.55	5.07	4.83	0.00	29.15	5.07	4.83	0.00
26.60	5.07	4.83	0.00	29.20	5.07	4.83	0.00
26.65	5.07	4.83	0.00	29.25	5.07	4.83	0.00
26.70	5.07	4.83	0.00	29.30	5.07	4.83	0.00
26.75	5.07	4.83	0.00	29.35	5.07	4.83	0.00
26.80	5.07	4.83	0.00	29.40	5.07	4.83	0.00
26.85	5.07	4.83	0.00	29.45	5.07	4.83	0.00
26.90	5.07	4.83	0.00	29.50	5.07	4.83	0.00
26.95	5.07	4.83	0.00	29.55	5.07	4.83	0.00
27.00	5.07	4.83	0.00	29.60	5.07	4.83	0.00
27.05	5.07	4.83	0.00	29.65	5.07	4.83	0.00
27.10	5.07	4.83	0.00	29.70	5.07	4.83	0.00
27.15	5.07	4.83	0.00	29.75	5.07	4.83	0.00
27.20	5.07	4.83	0.00	29.80	5.07	4.83	0.00
27.25	5.07	4.83	0.00	29.85	5.07	4.83	0.00
27.30	5.07	4.83	0.00	29.90	5.07	4.83	0.00
27.35	5.07	4.83	0.00	29.95	5.07	4.83	0.00
27.40	5.07	4.83	0.00	30.00	5.07	4.83	0.00
27.45	5.07	4.83	0.00	30.05	5.07	4.83	0.00
27.50	5.07	4.83	0.00	30.10	5.07	4.83	0.00
27.55	5.07	4.83	0.00	30.15	5.07	4.83	0.00
27.60	5.07	4.83	0.00	30.20	5.07	4.83	0.00
27.65	5.07	4.83	0.00	30.25	5.07	4.83	0.00
27.70	5.07	4.83	0.00	30.30	5.07	4.83	0.00
27.75	5.07	4.83	0.00	30.35	5.07	4.83	0.00
27.80	5.07	4.83	0.00	30.40	5.07	4.83	0.00
27.85	5.07	4.83	0.00	30.45	5.07	4.83	0.00
27.90	5.07	4.83	0.00	30.50	5.07	4.83	0.00
27.95	5.07	4.83	0.00	30.55	5.07	4.83	0.00
28.00	5.07	4.83	0.00	30.60	5.07	4.83	0.00
28.05	5.07	4.83	0.00	30.65	5.07	4.83	0.00
28.10	5.07	4.83	0.00	30.70	5.07	4.83	0.00
28.15	5.07	4.83	0.00	30.75	5.07	4.83	0.00
28.20	5.07	4.83	0.00	30.80	5.07	4.83	0.00
28.25	5.07	4.83	0.00	30.85	5.07	4.83	0.00
28.30	5.07	4.83	0.00	30.90	5.07	4.83	0.00
28.35	5.07	4.83	0.00	30.95	5.07	4.83	0.00
28.40	5.07	4.83	0.00	31.00	5.07	4.83	0.00
28.45	5.07	4.83	0.00	31.05	5.07	4.83	0.00
28.50	5.07	4.83	0.00	31.10	5.07	4.83	0.00
28.55	5.07	4.83	0.00	31.15	5.07	4.83	0.00

Hydrograph for Subcatchment 57l: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	4.83	0.00	33.80	5.07	4.83	0.00
31.25	5.07	4.83	0.00	33.85	5.07	4.83	0.00
31.30	5.07	4.83	0.00	33.90	5.07	4.83	0.00
31.35	5.07	4.83	0.00	33.95	5.07	4.83	0.00
31.40	5.07	4.83	0.00	34.00	5.07	4.83	0.00
31.45	5.07	4.83	0.00	34.05	5.07	4.83	0.00
31.50	5.07	4.83	0.00	34.10	5.07	4.83	0.00
31.55	5.07	4.83	0.00	34.15	5.07	4.83	0.00
31.60	5.07	4.83	0.00	34.20	5.07	4.83	0.00
31.65	5.07	4.83	0.00	34.25	5.07	4.83	0.00
31.70	5.07	4.83	0.00	34.30	5.07	4.83	0.00
31.75	5.07	4.83	0.00	34.35	5.07	4.83	0.00
31.80	5.07	4.83	0.00	34.40	5.07	4.83	0.00
31.85	5.07	4.83	0.00	34.45	5.07	4.83	0.00
31.90	5.07	4.83	0.00	34.50	5.07	4.83	0.00
31.95	5.07	4.83	0.00	34.55	5.07	4.83	0.00
32.00	5.07	4.83	0.00	34.60	5.07	4.83	0.00
32.05	5.07	4.83	0.00	34.65	5.07	4.83	0.00
32.10	5.07	4.83	0.00	34.70	5.07	4.83	0.00
32.15	5.07	4.83	0.00	34.75	5.07	4.83	0.00
32.20	5.07	4.83	0.00	34.80	5.07	4.83	0.00
32.25	5.07	4.83	0.00	34.85	5.07	4.83	0.00
32.30	5.07	4.83	0.00	34.90	5.07	4.83	0.00
32.35	5.07	4.83	0.00	34.95	5.07	4.83	0.00
32.40	5.07	4.83	0.00	35.00	5.07	4.83	0.00
32.45	5.07	4.83	0.00	35.05	5.07	4.83	0.00
32.50	5.07	4.83	0.00	35.10	5.07	4.83	0.00
32.55	5.07	4.83	0.00	35.15	5.07	4.83	0.00
32.60	5.07	4.83	0.00	35.20	5.07	4.83	0.00
32.65	5.07	4.83	0.00	35.25	5.07	4.83	0.00
32.70	5.07	4.83	0.00	35.30	5.07	4.83	0.00
32.75	5.07	4.83	0.00	35.35	5.07	4.83	0.00
32.80	5.07	4.83	0.00	35.40	5.07	4.83	0.00
32.85	5.07	4.83	0.00	35.45	5.07	4.83	0.00
32.90	5.07	4.83	0.00	35.50	5.07	4.83	0.00
32.95	5.07	4.83	0.00	35.55	5.07	4.83	0.00
33.00	5.07	4.83	0.00	35.60	5.07	4.83	0.00
33.05	5.07	4.83	0.00	35.65	5.07	4.83	0.00
33.10	5.07	4.83	0.00	35.70	5.07	4.83	0.00
33.15	5.07	4.83	0.00	35.75	5.07	4.83	0.00
33.20	5.07	4.83	0.00	35.80	5.07	4.83	0.00
33.25	5.07	4.83	0.00	35.85	5.07	4.83	0.00
33.30	5.07	4.83	0.00	35.90	5.07	4.83	0.00
33.35	5.07	4.83	0.00	35.95	5.07	4.83	0.00
33.40	5.07	4.83	0.00	36.00	5.07	4.83	0.00
33.45	5.07	4.83	0.00	36.05	5.07	4.83	0.00
33.50	5.07	4.83	0.00	36.10	5.07	4.83	0.00
33.55	5.07	4.83	0.00	36.15	5.07	4.83	0.00
33.60	5.07	4.83	0.00	36.20	5.07	4.83	0.00
33.65	5.07	4.83	0.00	36.25	5.07	4.83	0.00
33.70	5.07	4.83	0.00	36.30	5.07	4.83	0.00
33.75	5.07	4.83	0.00	36.35	5.07	4.83	0.00

Hydrograph for Subcatchment 57l: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	4.83	0.00
36.45	5.07	4.83	0.00
36.50	5.07	4.83	0.00
36.55	5.07	4.83	0.00
36.60	5.07	4.83	0.00
36.65	5.07	4.83	0.00
36.70	5.07	4.83	0.00
36.75	5.07	4.83	0.00
36.80	5.07	4.83	0.00
36.85	5.07	4.83	0.00
36.90	5.07	4.83	0.00
36.95	5.07	4.83	0.00
37.00	5.07	4.83	0.00
37.05	5.07	4.83	0.00
37.10	5.07	4.83	0.00
37.15	5.07	4.83	0.00
37.20	5.07	4.83	0.00
37.25	5.07	4.83	0.00
37.30	5.07	4.83	0.00
37.35	5.07	4.83	0.00
37.40	5.07	4.83	0.00
37.45	5.07	4.83	0.00
37.50	5.07	4.83	0.00
37.55	5.07	4.83	0.00
37.60	5.07	4.83	0.00
37.65	5.07	4.83	0.00
37.70	5.07	4.83	0.00
37.75	5.07	4.83	0.00
37.80	5.07	4.83	0.00
37.85	5.07	4.83	0.00
37.90	5.07	4.83	0.00
37.95	5.07	4.83	0.00
38.00	5.07	4.83	0.00
38.05	5.07	4.83	0.00
38.10	5.07	4.83	0.00
38.15	5.07	4.83	0.00
38.20	5.07	4.83	0.00
38.25	5.07	4.83	0.00
38.30	5.07	4.83	0.00
38.35	5.07	4.83	0.00
38.40	5.07	4.83	0.00
38.45	5.07	4.83	0.00
38.50	5.07	4.83	0.00
38.55	5.07	4.83	0.00
38.60	5.07	4.83	0.00
38.65	5.07	4.83	0.00
38.70	5.07	4.83	0.00
38.75	5.07	4.83	0.00
38.80	5.07	4.83	0.00
38.85	5.07	4.83	0.00
38.90	5.07	4.83	0.00
38.95	5.07	4.83	0.00
39.00	5.07	4.83	0.00
39.05	5.07	4.83	0.00
39.10	5.07	4.83	0.00
39.15	5.07	4.83	0.00
39.20	5.07	4.83	0.00
39.25	5.07	4.83	0.00
39.30	5.07	4.83	0.00
39.35	5.07	4.83	0.00
39.40	5.07	4.83	0.00
39.45	5.07	4.83	0.00
39.50	5.07	4.83	0.00
39.55	5.07	4.83	0.00
39.60	5.07	4.83	0.00
39.65	5.07	4.83	0.00
39.70	5.07	4.83	0.00
39.75	5.07	4.83	0.00
39.80	5.07	4.83	0.00
39.85	5.07	4.83	0.00
39.90	5.07	4.83	0.00
39.95	5.07	4.83	0.00
40.00	5.07	4.83	0.00

Summary for Subcatchment 57P: PDA-57 (pervious)

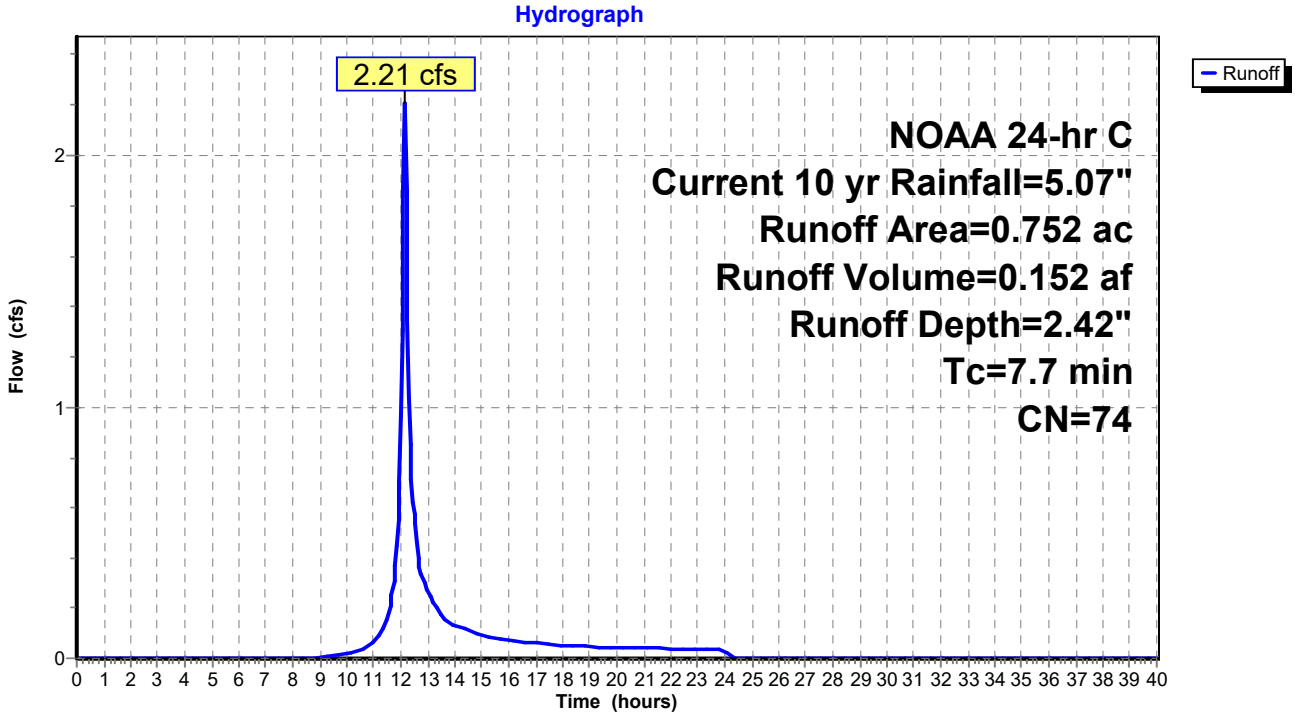
Runoff = 2.21 cfs @ 12.15 hrs, Volume= 0.152 af, Depth= 2.42"
Routed to Pond B-57 : Basin #57

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
0.752	74	>75% Grass cover, Good, HSG C
0.752		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
7.7					**Direct Entry,**

Subcatchment 57P: PDA-57 (pervious)



Hydrograph for Subcatchment 57P: PDA-57 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.00
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.00
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.00
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.00
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.00
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.00
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.01
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.01
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.01
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.01
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.01
7.00	0.49	0.00	0.00	9.60	0.84	0.01	0.01
7.05	0.50	0.00	0.00	9.65	0.85	0.01	0.01
7.10	0.50	0.00	0.00	9.70	0.86	0.01	0.01
7.15	0.51	0.00	0.00	9.75	0.87	0.01	0.01
7.20	0.52	0.00	0.00	9.80	0.88	0.01	0.01
7.25	0.52	0.00	0.00	9.85	0.89	0.01	0.01
7.30	0.53	0.00	0.00	9.90	0.90	0.01	0.01
7.35	0.53	0.00	0.00	9.95	0.91	0.01	0.02
7.40	0.54	0.00	0.00	10.00	0.92	0.01	0.02
7.45	0.54	0.00	0.00	10.05	0.94	0.01	0.02
7.50	0.55	0.00	0.00	10.10	0.95	0.02	0.02
7.55	0.55	0.00	0.00	10.15	0.96	0.02	0.02
7.60	0.56	0.00	0.00	10.20	0.97	0.02	0.02
7.65	0.57	0.00	0.00	10.25	0.98	0.02	0.02
7.70	0.57	0.00	0.00	10.30	0.99	0.02	0.02
7.75	0.58	0.00	0.00	10.35	1.01	0.02	0.03

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.03	0.03	13.00	3.85	1.49	0.27
10.45	1.03	0.03	0.03	13.05	3.87	1.50	0.25
10.50	1.04	0.03	0.03	13.10	3.89	1.52	0.24
10.55	1.06	0.03	0.03	13.15	3.91	1.53	0.23
10.60	1.07	0.04	0.03	13.20	3.93	1.55	0.22
10.65	1.09	0.04	0.04	13.25	3.95	1.56	0.21
10.70	1.10	0.04	0.04	13.30	3.97	1.57	0.20
10.75	1.12	0.04	0.04	13.35	3.98	1.58	0.19
10.80	1.14	0.05	0.05	13.40	4.00	1.59	0.19
10.85	1.16	0.05	0.05	13.45	4.01	1.60	0.18
10.90	1.18	0.06	0.06	13.50	4.03	1.61	0.17
10.95	1.20	0.06	0.06	13.55	4.04	1.62	0.16
11.00	1.22	0.07	0.06	13.60	4.05	1.63	0.15
11.05	1.24	0.07	0.07	13.65	4.06	1.64	0.15
11.10	1.26	0.08	0.08	13.70	4.08	1.65	0.14
11.15	1.29	0.08	0.08	13.75	4.09	1.66	0.14
11.20	1.31	0.09	0.09	13.80	4.10	1.67	0.14
11.25	1.34	0.10	0.10	13.85	4.11	1.68	0.14
11.30	1.37	0.11	0.11	13.90	4.12	1.69	0.13
11.35	1.40	0.12	0.12	13.95	4.13	1.70	0.13
11.40	1.43	0.13	0.13	14.00	4.15	1.70	0.13
11.45	1.47	0.14	0.14	14.05	4.16	1.71	0.13
11.50	1.50	0.15	0.15	14.10	4.17	1.72	0.13
11.55	1.55	0.16	0.17	14.15	4.18	1.73	0.12
11.60	1.60	0.18	0.21	14.20	4.19	1.74	0.12
11.65	1.65	0.20	0.25	14.25	4.20	1.74	0.12
11.70	1.71	0.22	0.28	14.30	4.21	1.75	0.12
11.75	1.78	0.25	0.31	14.35	4.22	1.76	0.12
11.80	1.86	0.29	0.37	14.40	4.23	1.77	0.11
11.85	1.96	0.33	0.45	14.45	4.24	1.77	0.11
11.90	2.06	0.38	0.55	14.50	4.25	1.78	0.11
11.95	2.24	0.47	0.70	14.55	4.26	1.79	0.11
12.00	2.42	0.56	0.96	14.60	4.27	1.79	0.11
12.05	2.71	0.73	1.31	14.65	4.27	1.80	0.10
12.10	3.01	0.91	1.84	14.70	4.28	1.81	0.10
12.15	3.11	0.98	**2.21**	14.75	4.29	1.81	0.10
12.20	3.21	1.05	1.86	14.80	4.30	1.82	0.10
12.25	3.29	1.10	1.35	14.85	4.31	1.82	0.10
12.30	3.36	1.15	1.04	14.90	4.31	1.83	0.09
12.35	3.42	1.18	0.85	14.95	4.32	1.84	0.09
12.40	3.47	1.22	0.71	15.00	4.33	1.84	0.09
12.45	3.52	1.25	0.62	15.05	4.34	1.85	0.09
12.50	3.57	1.29	0.57	15.10	4.34	1.85	0.08
12.55	3.60	1.31	0.54	15.15	4.35	1.86	0.08
12.60	3.64	1.34	0.46	15.20	4.36	1.86	0.08
12.65	3.67	1.36	0.40	15.25	4.36	1.87	0.08
12.70	3.70	1.38	0.36	15.30	4.37	1.87	0.08
12.75	3.73	1.40	0.34	15.35	4.38	1.88	0.08
12.80	3.76	1.42	0.32	15.40	4.39	1.88	0.08
12.85	3.78	1.44	0.31	15.45	4.39	1.89	0.08
12.90	3.81	1.46	0.30	15.50	4.40	1.89	0.08
12.95	3.83	1.47	0.28	15.55	4.41	1.90	0.08

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	1.90	0.08	18.20	4.68	2.12	0.05
15.65	4.42	1.91	0.08	18.25	4.69	2.12	0.05
15.70	4.42	1.91	0.08	18.30	4.69	2.12	0.05
15.75	4.43	1.92	0.08	18.35	4.70	2.12	0.05
15.80	4.44	1.92	0.07	18.40	4.70	2.13	0.05
15.85	4.44	1.93	0.07	18.45	4.70	2.13	0.05
15.90	4.45	1.93	0.07	18.50	4.71	2.13	0.05
15.95	4.46	1.94	0.07	18.55	4.71	2.14	0.05
16.00	4.46	1.94	0.07	18.60	4.72	2.14	0.05
16.05	4.47	1.95	0.07	18.65	4.72	2.14	0.05
16.10	4.47	1.95	0.07	18.70	4.72	2.15	0.05
16.15	4.48	1.96	0.07	18.75	4.73	2.15	0.05
16.20	4.49	1.96	0.07	18.80	4.73	2.15	0.05
16.25	4.49	1.97	0.07	18.85	4.74	2.16	0.05
16.30	4.50	1.97	0.07	18.90	4.74	2.16	0.05
16.35	4.50	1.98	0.07	18.95	4.74	2.16	0.05
16.40	4.51	1.98	0.07	19.00	4.75	2.16	0.05
16.45	4.52	1.98	0.07	19.05	4.75	2.17	0.05
16.50	4.52	1.99	0.07	19.10	4.76	2.17	0.05
16.55	4.53	1.99	0.07	19.15	4.76	2.17	0.05
16.60	4.53	2.00	0.07	19.20	4.76	2.18	0.05
16.65	4.54	2.00	0.07	19.25	4.77	2.18	0.05
16.70	4.54	2.01	0.07	19.30	4.77	2.18	0.05
16.75	4.55	2.01	0.06	19.35	4.77	2.19	0.05
16.80	4.55	2.01	0.06	19.40	4.78	2.19	0.04
16.85	4.56	2.02	0.06	19.45	4.78	2.19	0.04
16.90	4.57	2.02	0.06	19.50	4.79	2.19	0.04
16.95	4.57	2.03	0.06	19.55	4.79	2.20	0.04
17.00	4.58	2.03	0.06	19.60	4.79	2.20	0.04
17.05	4.58	2.03	0.06	19.65	4.80	2.20	0.04
17.10	4.59	2.04	0.06	19.70	4.80	2.21	0.04
17.15	4.59	2.04	0.06	19.75	4.80	2.21	0.04
17.20	4.60	2.05	0.06	19.80	4.81	2.21	0.04
17.25	4.60	2.05	0.06	19.85	4.81	2.21	0.04
17.30	4.61	2.05	0.06	19.90	4.81	2.22	0.04
17.35	4.61	2.06	0.06	19.95	4.82	2.22	0.04
17.40	4.61	2.06	0.06	20.00	4.82	2.22	0.04
17.45	4.62	2.06	0.06	20.05	4.83	2.23	0.04
17.50	4.62	2.07	0.06	20.10	4.83	2.23	0.04
17.55	4.63	2.07	0.06	20.15	4.83	2.23	0.04
17.60	4.63	2.08	0.05	20.20	4.84	2.23	0.04
17.65	4.64	2.08	0.05	20.25	4.84	2.24	0.04
17.70	4.64	2.08	0.05	20.30	4.84	2.24	0.04
17.75	4.65	2.09	0.05	20.35	4.85	2.24	0.04
17.80	4.65	2.09	0.05	20.40	4.85	2.25	0.04
17.85	4.66	2.09	0.05	20.45	4.85	2.25	0.04
17.90	4.66	2.10	0.05	20.50	4.86	2.25	0.04
17.95	4.66	2.10	0.05	20.55	4.86	2.25	0.04
18.00	4.67	2.10	0.05	20.60	4.86	2.26	0.04
18.05	4.67	2.11	0.05	20.65	4.87	2.26	0.04
18.10	4.68	2.11	0.05	20.70	4.87	2.26	0.04
18.15	4.68	2.11	0.05	20.75	4.87	2.26	0.04

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	2.27	0.04	23.40	5.04	2.39	0.03
20.85	4.88	2.27	0.04	23.45	5.04	2.40	0.03
20.90	4.88	2.27	0.04	23.50	5.04	2.40	0.03
20.95	4.89	2.28	0.04	23.55	5.04	2.40	0.03
21.00	4.89	2.28	0.04	23.60	5.05	2.40	0.03
21.05	4.89	2.28	0.04	23.65	5.05	2.40	0.03
21.10	4.90	2.28	0.04	23.70	5.05	2.41	0.03
21.15	4.90	2.29	0.04	23.75	5.06	2.41	0.03
21.20	4.90	2.29	0.04	23.80	5.06	2.41	0.03
21.25	4.91	2.29	0.04	23.85	5.06	2.41	0.03
21.30	4.91	2.29	0.04	23.90	5.06	2.42	0.03
21.35	4.91	2.30	0.04	23.95	5.07	2.42	0.03
21.40	4.92	2.30	0.04	24.00	**5.07**	**2.42**	0.03
21.45	4.92	2.30	0.04	24.05	5.07	2.42	0.03
21.50	4.92	2.30	0.04	24.10	5.07	2.42	0.02
21.55	4.93	2.31	0.04	24.15	5.07	2.42	0.01
21.60	4.93	2.31	0.04	24.20	5.07	2.42	0.00
21.65	4.93	2.31	0.04	24.25	5.07	2.42	0.00
21.70	4.94	2.31	0.04	24.30	5.07	2.42	0.00
21.75	4.94	2.32	0.04	24.35	5.07	2.42	0.00
21.80	4.94	2.32	0.04	24.40	5.07	2.42	0.00
21.85	4.95	2.32	0.04	24.45	5.07	2.42	0.00
21.90	4.95	2.32	0.04	24.50	5.07	2.42	0.00
21.95	4.95	2.33	0.04	24.55	5.07	2.42	0.00
22.00	4.96	2.33	0.04	24.60	5.07	2.42	0.00
22.05	4.96	2.33	0.04	24.65	5.07	2.42	0.00
22.10	4.96	2.33	0.04	24.70	5.07	2.42	0.00
22.15	4.96	2.34	0.04	24.75	5.07	2.42	0.00
22.20	4.97	2.34	0.04	24.80	5.07	2.42	0.00
22.25	4.97	2.34	0.04	24.85	5.07	2.42	0.00
22.30	4.97	2.34	0.04	24.90	5.07	2.42	0.00
22.35	4.98	2.35	0.04	24.95	5.07	2.42	0.00
22.40	4.98	2.35	0.04	25.00	5.07	2.42	0.00
22.45	4.98	2.35	0.04	25.05	5.07	2.42	0.00
22.50	4.99	2.35	0.04	25.10	5.07	2.42	0.00
22.55	4.99	2.36	0.04	25.15	5.07	2.42	0.00
22.60	4.99	2.36	0.04	25.20	5.07	2.42	0.00
22.65	4.99	2.36	0.04	25.25	5.07	2.42	0.00
22.70	5.00	2.36	0.04	25.30	5.07	2.42	0.00
22.75	5.00	2.36	0.04	25.35	5.07	2.42	0.00
22.80	5.00	2.37	0.04	25.40	5.07	2.42	0.00
22.85	5.01	2.37	0.04	25.45	5.07	2.42	0.00
22.90	5.01	2.37	0.03	25.50	5.07	2.42	0.00
22.95	5.01	2.37	0.03	25.55	5.07	2.42	0.00
23.00	5.01	2.38	0.03	25.60	5.07	2.42	0.00
23.05	5.02	2.38	0.03	25.65	5.07	2.42	0.00
23.10	5.02	2.38	0.03	25.70	5.07	2.42	0.00
23.15	5.02	2.38	0.03	25.75	5.07	2.42	0.00
23.20	5.03	2.38	0.03	25.80	5.07	2.42	0.00
23.25	5.03	2.39	0.03	25.85	5.07	2.42	0.00
23.30	5.03	2.39	0.03	25.90	5.07	2.42	0.00
23.35	5.03	2.39	0.03	25.95	5.07	2.42	0.00

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	2.42	0.00	28.60	5.07	2.42	0.00
26.05	5.07	2.42	0.00	28.65	5.07	2.42	0.00
26.10	5.07	2.42	0.00	28.70	5.07	2.42	0.00
26.15	5.07	2.42	0.00	28.75	5.07	2.42	0.00
26.20	5.07	2.42	0.00	28.80	5.07	2.42	0.00
26.25	5.07	2.42	0.00	28.85	5.07	2.42	0.00
26.30	5.07	2.42	0.00	28.90	5.07	2.42	0.00
26.35	5.07	2.42	0.00	28.95	5.07	2.42	0.00
26.40	5.07	2.42	0.00	29.00	5.07	2.42	0.00
26.45	5.07	2.42	0.00	29.05	5.07	2.42	0.00
26.50	5.07	2.42	0.00	29.10	5.07	2.42	0.00
26.55	5.07	2.42	0.00	29.15	5.07	2.42	0.00
26.60	5.07	2.42	0.00	29.20	5.07	2.42	0.00
26.65	5.07	2.42	0.00	29.25	5.07	2.42	0.00
26.70	5.07	2.42	0.00	29.30	5.07	2.42	0.00
26.75	5.07	2.42	0.00	29.35	5.07	2.42	0.00
26.80	5.07	2.42	0.00	29.40	5.07	2.42	0.00
26.85	5.07	2.42	0.00	29.45	5.07	2.42	0.00
26.90	5.07	2.42	0.00	29.50	5.07	2.42	0.00
26.95	5.07	2.42	0.00	29.55	5.07	2.42	0.00
27.00	5.07	2.42	0.00	29.60	5.07	2.42	0.00
27.05	5.07	2.42	0.00	29.65	5.07	2.42	0.00
27.10	5.07	2.42	0.00	29.70	5.07	2.42	0.00
27.15	5.07	2.42	0.00	29.75	5.07	2.42	0.00
27.20	5.07	2.42	0.00	29.80	5.07	2.42	0.00
27.25	5.07	2.42	0.00	29.85	5.07	2.42	0.00
27.30	5.07	2.42	0.00	29.90	5.07	2.42	0.00
27.35	5.07	2.42	0.00	29.95	5.07	2.42	0.00
27.40	5.07	2.42	0.00	30.00	5.07	2.42	0.00
27.45	5.07	2.42	0.00	30.05	5.07	2.42	0.00
27.50	5.07	2.42	0.00	30.10	5.07	2.42	0.00
27.55	5.07	2.42	0.00	30.15	5.07	2.42	0.00
27.60	5.07	2.42	0.00	30.20	5.07	2.42	0.00
27.65	5.07	2.42	0.00	30.25	5.07	2.42	0.00
27.70	5.07	2.42	0.00	30.30	5.07	2.42	0.00
27.75	5.07	2.42	0.00	30.35	5.07	2.42	0.00
27.80	5.07	2.42	0.00	30.40	5.07	2.42	0.00
27.85	5.07	2.42	0.00	30.45	5.07	2.42	0.00
27.90	5.07	2.42	0.00	30.50	5.07	2.42	0.00
27.95	5.07	2.42	0.00	30.55	5.07	2.42	0.00
28.00	5.07	2.42	0.00	30.60	5.07	2.42	0.00
28.05	5.07	2.42	0.00	30.65	5.07	2.42	0.00
28.10	5.07	2.42	0.00	30.70	5.07	2.42	0.00
28.15	5.07	2.42	0.00	30.75	5.07	2.42	0.00
28.20	5.07	2.42	0.00	30.80	5.07	2.42	0.00
28.25	5.07	2.42	0.00	30.85	5.07	2.42	0.00
28.30	5.07	2.42	0.00	30.90	5.07	2.42	0.00
28.35	5.07	2.42	0.00	30.95	5.07	2.42	0.00
28.40	5.07	2.42	0.00	31.00	5.07	2.42	0.00
28.45	5.07	2.42	0.00	31.05	5.07	2.42	0.00
28.50	5.07	2.42	0.00	31.10	5.07	2.42	0.00
28.55	5.07	2.42	0.00	31.15	5.07	2.42	0.00

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	2.42	0.00	33.80	5.07	2.42	0.00
31.25	5.07	2.42	0.00	33.85	5.07	2.42	0.00
31.30	5.07	2.42	0.00	33.90	5.07	2.42	0.00
31.35	5.07	2.42	0.00	33.95	5.07	2.42	0.00
31.40	5.07	2.42	0.00	34.00	5.07	2.42	0.00
31.45	5.07	2.42	0.00	34.05	5.07	2.42	0.00
31.50	5.07	2.42	0.00	34.10	5.07	2.42	0.00
31.55	5.07	2.42	0.00	34.15	5.07	2.42	0.00
31.60	5.07	2.42	0.00	34.20	5.07	2.42	0.00
31.65	5.07	2.42	0.00	34.25	5.07	2.42	0.00
31.70	5.07	2.42	0.00	34.30	5.07	2.42	0.00
31.75	5.07	2.42	0.00	34.35	5.07	2.42	0.00
31.80	5.07	2.42	0.00	34.40	5.07	2.42	0.00
31.85	5.07	2.42	0.00	34.45	5.07	2.42	0.00
31.90	5.07	2.42	0.00	34.50	5.07	2.42	0.00
31.95	5.07	2.42	0.00	34.55	5.07	2.42	0.00
32.00	5.07	2.42	0.00	34.60	5.07	2.42	0.00
32.05	5.07	2.42	0.00	34.65	5.07	2.42	0.00
32.10	5.07	2.42	0.00	34.70	5.07	2.42	0.00
32.15	5.07	2.42	0.00	34.75	5.07	2.42	0.00
32.20	5.07	2.42	0.00	34.80	5.07	2.42	0.00
32.25	5.07	2.42	0.00	34.85	5.07	2.42	0.00
32.30	5.07	2.42	0.00	34.90	5.07	2.42	0.00
32.35	5.07	2.42	0.00	34.95	5.07	2.42	0.00
32.40	5.07	2.42	0.00	35.00	5.07	2.42	0.00
32.45	5.07	2.42	0.00	35.05	5.07	2.42	0.00
32.50	5.07	2.42	0.00	35.10	5.07	2.42	0.00
32.55	5.07	2.42	0.00	35.15	5.07	2.42	0.00
32.60	5.07	2.42	0.00	35.20	5.07	2.42	0.00
32.65	5.07	2.42	0.00	35.25	5.07	2.42	0.00
32.70	5.07	2.42	0.00	35.30	5.07	2.42	0.00
32.75	5.07	2.42	0.00	35.35	5.07	2.42	0.00
32.80	5.07	2.42	0.00	35.40	5.07	2.42	0.00
32.85	5.07	2.42	0.00	35.45	5.07	2.42	0.00
32.90	5.07	2.42	0.00	35.50	5.07	2.42	0.00
32.95	5.07	2.42	0.00	35.55	5.07	2.42	0.00
33.00	5.07	2.42	0.00	35.60	5.07	2.42	0.00
33.05	5.07	2.42	0.00	35.65	5.07	2.42	0.00
33.10	5.07	2.42	0.00	35.70	5.07	2.42	0.00
33.15	5.07	2.42	0.00	35.75	5.07	2.42	0.00
33.20	5.07	2.42	0.00	35.80	5.07	2.42	0.00
33.25	5.07	2.42	0.00	35.85	5.07	2.42	0.00
33.30	5.07	2.42	0.00	35.90	5.07	2.42	0.00
33.35	5.07	2.42	0.00	35.95	5.07	2.42	0.00
33.40	5.07	2.42	0.00	36.00	5.07	2.42	0.00
33.45	5.07	2.42	0.00	36.05	5.07	2.42	0.00
33.50	5.07	2.42	0.00	36.10	5.07	2.42	0.00
33.55	5.07	2.42	0.00	36.15	5.07	2.42	0.00
33.60	5.07	2.42	0.00	36.20	5.07	2.42	0.00
33.65	5.07	2.42	0.00	36.25	5.07	2.42	0.00
33.70	5.07	2.42	0.00	36.30	5.07	2.42	0.00
33.75	5.07	2.42	0.00	36.35	5.07	2.42	0.00

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	2.42	0.00
36.45	5.07	2.42	0.00
36.50	5.07	2.42	0.00
36.55	5.07	2.42	0.00
36.60	5.07	2.42	0.00
36.65	5.07	2.42	0.00
36.70	5.07	2.42	0.00
36.75	5.07	2.42	0.00
36.80	5.07	2.42	0.00
36.85	5.07	2.42	0.00
36.90	5.07	2.42	0.00
36.95	5.07	2.42	0.00
37.00	5.07	2.42	0.00
37.05	5.07	2.42	0.00
37.10	5.07	2.42	0.00
37.15	5.07	2.42	0.00
37.20	5.07	2.42	0.00
37.25	5.07	2.42	0.00
37.30	5.07	2.42	0.00
37.35	5.07	2.42	0.00
37.40	5.07	2.42	0.00
37.45	5.07	2.42	0.00
37.50	5.07	2.42	0.00
37.55	5.07	2.42	0.00
37.60	5.07	2.42	0.00
37.65	5.07	2.42	0.00
37.70	5.07	2.42	0.00
37.75	5.07	2.42	0.00
37.80	5.07	2.42	0.00
37.85	5.07	2.42	0.00
37.90	5.07	2.42	0.00
37.95	5.07	2.42	0.00
38.00	5.07	2.42	0.00
38.05	5.07	2.42	0.00
38.10	5.07	2.42	0.00
38.15	5.07	2.42	0.00
38.20	5.07	2.42	0.00
38.25	5.07	2.42	0.00
38.30	5.07	2.42	0.00
38.35	5.07	2.42	0.00
38.40	5.07	2.42	0.00
38.45	5.07	2.42	0.00
38.50	5.07	2.42	0.00
38.55	5.07	2.42	0.00
38.60	5.07	2.42	0.00
38.65	5.07	2.42	0.00
38.70	5.07	2.42	0.00
38.75	5.07	2.42	0.00
38.80	5.07	2.42	0.00
38.85	5.07	2.42	0.00
38.90	5.07	2.42	0.00
38.95	5.07	2.42	0.00
39.00	5.07	2.42	0.00
39.05	5.07	2.42	0.00
39.10	5.07	2.42	0.00
39.15	5.07	2.42	0.00
39.20	5.07	2.42	0.00
39.25	5.07	2.42	0.00
39.30	5.07	2.42	0.00
39.35	5.07	2.42	0.00
39.40	5.07	2.42	0.00
39.45	5.07	2.42	0.00
39.50	5.07	2.42	0.00
39.55	5.07	2.42	0.00
39.60	5.07	2.42	0.00
39.65	5.07	2.42	0.00
39.70	5.07	2.42	0.00
39.75	5.07	2.42	0.00
39.80	5.07	2.42	0.00
39.85	5.07	2.42	0.00
39.90	5.07	2.42	0.00
39.95	5.07	2.42	0.00
40.00	5.07	2.42	0.00

Summary for Subcatchment 58I: PDA-58 (impervious)

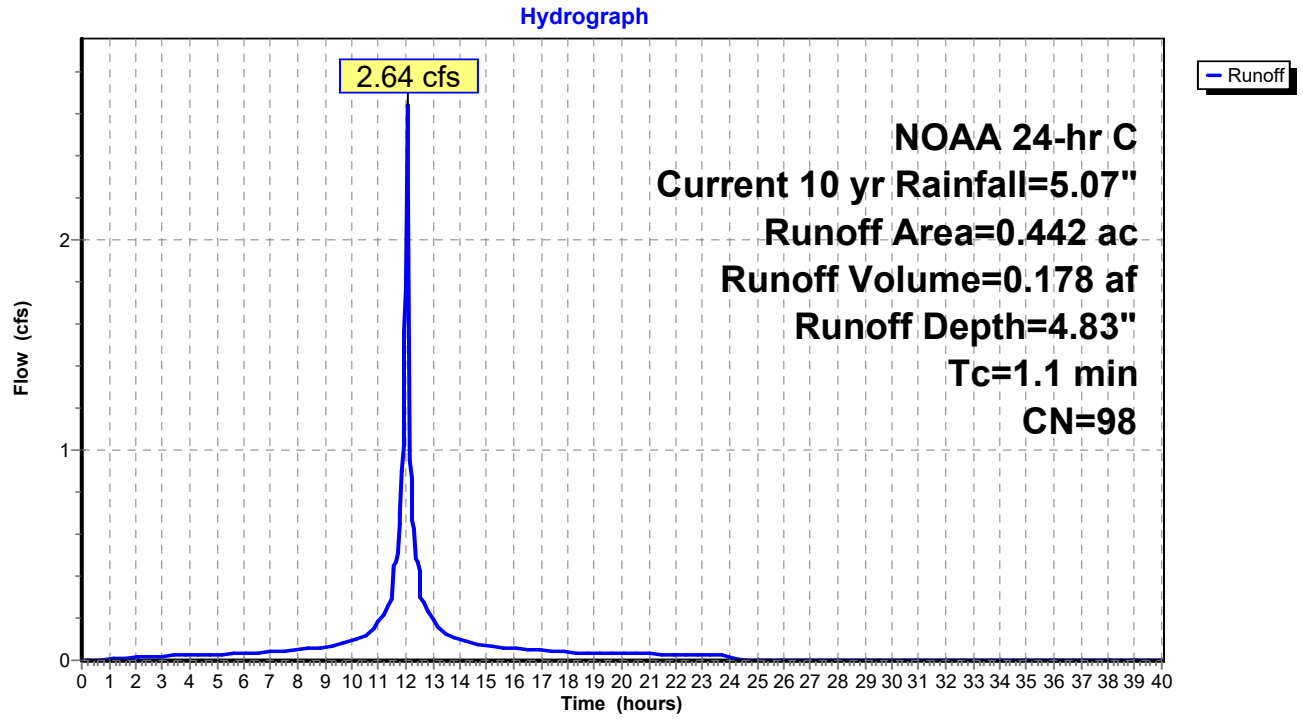
Runoff = 2.64 cfs @ 12.06 hrs, Volume= 0.178 af, Depth= 4.83"
Routed to Pond B-58 : Basin #58

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

	Area (ac)	CN	Description
*	0.442	98	Roof, HSG C
*	0.000	98	Concrete, HSG C
	0.442	98	Weighted Average
	0.442		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.1					**Direct Entry,**

Subcatchment 58I: PDA-58 (impervious)



Hydrograph for Subcatchment 58I: PDA-58 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.04	0.02
0.05	0.00	0.00	0.00	2.65	0.16	0.04	0.02
0.10	0.01	0.00	0.00	2.70	0.16	0.04	0.02
0.15	0.01	0.00	0.00	2.75	0.16	0.05	0.02
0.20	0.01	0.00	0.00	2.80	0.17	0.05	0.02
0.25	0.01	0.00	0.00	2.85	0.17	0.05	0.02
0.30	0.02	0.00	0.00	2.90	0.17	0.05	0.02
0.35	0.02	0.00	0.00	2.95	0.18	0.05	0.02
0.40	0.02	0.00	0.00	3.00	0.18	0.06	0.02
0.45	0.03	0.00	0.00	3.05	0.18	0.06	0.02
0.50	0.03	0.00	0.00	3.10	0.19	0.06	0.02
0.55	0.03	0.00	0.00	3.15	0.19	0.06	0.02
0.60	0.03	0.00	0.00	3.20	0.19	0.06	0.02
0.65	0.04	0.00	0.00	3.25	0.20	0.07	0.02
0.70	0.04	0.00	0.00	3.30	0.20	0.07	0.02
0.75	0.04	0.00	0.00	3.35	0.20	0.07	0.02
0.80	0.04	0.00	0.00	3.40	0.21	0.07	0.02
0.85	0.05	0.00	0.00	3.45	0.21	0.08	0.02
0.90	0.05	0.00	0.00	3.50	0.21	0.08	0.02
0.95	0.05	0.00	0.00	3.55	0.22	0.08	0.02
1.00	0.06	0.00	0.00	3.60	0.22	0.08	0.02
1.05	0.06	0.00	0.00	3.65	0.22	0.09	0.02
1.10	0.06	0.00	0.00	3.70	0.23	0.09	0.02
1.15	0.06	0.00	0.00	3.75	0.23	0.09	0.02
1.20	0.07	0.00	0.01	3.80	0.23	0.09	0.02
1.25	0.07	0.00	0.01	3.85	0.24	0.10	0.02
1.30	0.07	0.00	0.01	3.90	0.24	0.10	0.02
1.35	0.08	0.01	0.01	3.95	0.24	0.10	0.02
1.40	0.08	0.01	0.01	4.00	0.25	0.10	0.02
1.45	0.08	0.01	0.01	4.05	0.25	0.11	0.02
1.50	0.08	0.01	0.01	4.10	0.26	0.11	0.02
1.55	0.09	0.01	0.01	4.15	0.26	0.11	0.02
1.60	0.09	0.01	0.01	4.20	0.26	0.12	0.02
1.65	0.09	0.01	0.01	4.25	0.27	0.12	0.03
1.70	0.10	0.01	0.01	4.30	0.27	0.12	0.03
1.75	0.10	0.01	0.01	4.35	0.27	0.12	0.03
1.80	0.10	0.01	0.01	4.40	0.28	0.13	0.03
1.85	0.11	0.02	0.01	4.45	0.28	0.13	0.03
1.90	0.11	0.02	0.01	4.50	0.28	0.13	0.03
1.95	0.11	0.02	0.01	4.55	0.29	0.14	0.03
2.00	0.11	0.02	0.01	4.60	0.29	0.14	0.03
2.05	0.12	0.02	0.01	4.65	0.30	0.14	0.03
2.10	0.12	0.02	0.01	4.70	0.30	0.14	0.03
2.15	0.12	0.02	0.01	4.75	0.30	0.15	0.03
2.20	0.13	0.03	0.01	4.80	0.31	0.15	0.03
2.25	0.13	0.03	0.01	4.85	0.31	0.15	0.03
2.30	0.13	0.03	0.01	4.90	0.31	0.16	0.03
2.35	0.14	0.03	0.02	4.95	0.32	0.16	0.03
2.40	0.14	0.03	0.02	5.00	0.32	0.16	0.03
2.45	0.14	0.03	0.02	5.05	0.33	0.17	0.03
2.50	0.15	0.04	0.02	5.10	0.33	0.17	0.03
2.55	0.15	0.04	0.02	5.15	0.33	0.17	0.03

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.18	0.03	7.80	0.58	0.39	0.05
5.25	0.34	0.18	0.03	7.85	0.59	0.40	0.05
5.30	0.35	0.18	0.03	7.90	0.60	0.41	0.05
5.35	0.35	0.19	0.03	7.95	0.60	0.41	0.05
5.40	0.35	0.19	0.03	8.00	0.61	0.42	0.05
5.45	0.36	0.19	0.03	8.05	0.61	0.42	0.05
5.50	0.36	0.20	0.03	8.10	0.62	0.43	0.05
5.55	0.37	0.20	0.03	8.15	0.63	0.43	0.05
5.60	0.37	0.20	0.03	8.20	0.63	0.44	0.05
5.65	0.37	0.21	0.03	8.25	0.64	0.45	0.05
5.70	0.38	0.21	0.03	8.30	0.65	0.45	0.05
5.75	0.38	0.21	0.03	8.35	0.65	0.46	0.05
5.80	0.39	0.22	0.03	8.40	0.66	0.46	0.05
5.85	0.39	0.22	0.03	8.45	0.66	0.47	0.06
5.90	0.39	0.22	0.03	8.50	0.67	0.48	0.06
5.95	0.40	0.23	0.03	8.55	0.68	0.48	0.06
6.00	0.40	0.23	0.03	8.60	0.68	0.49	0.06
6.05	0.41	0.23	0.03	8.65	0.69	0.50	0.06
6.10	0.41	0.24	0.03	8.70	0.70	0.50	0.06
6.15	0.41	0.24	0.03	8.75	0.71	0.51	0.06
6.20	0.42	0.25	0.03	8.80	0.71	0.51	0.06
6.25	0.42	0.25	0.03	8.85	0.72	0.52	0.06
6.30	0.43	0.25	0.03	8.90	0.73	0.53	0.06
6.35	0.43	0.26	0.04	8.95	0.73	0.53	0.06
6.40	0.44	0.26	0.04	9.00	0.74	0.54	0.06
6.45	0.44	0.27	0.04	9.05	0.75	0.55	0.06
6.50	0.45	0.27	0.04	9.10	0.76	0.56	0.06
6.55	0.45	0.27	0.04	9.15	0.76	0.56	0.07
6.60	0.46	0.28	0.04	9.20	0.77	0.57	0.07
6.65	0.46	0.28	0.04	9.25	0.78	0.58	0.07
6.70	0.46	0.29	0.04	9.30	0.79	0.59	0.07
6.75	0.47	0.29	0.04	9.35	0.80	0.59	0.07
6.80	0.47	0.29	0.04	9.40	0.80	0.60	0.07
6.85	0.48	0.30	0.04	9.45	0.81	0.61	0.08
6.90	0.48	0.30	0.04	9.50	0.82	0.62	0.08
6.95	0.49	0.31	0.04	9.55	0.83	0.63	0.08
7.00	0.49	0.31	0.04	9.60	0.84	0.64	0.08
7.05	0.50	0.32	0.04	9.65	0.85	0.65	0.08
7.10	0.50	0.32	0.04	9.70	0.86	0.66	0.08
7.15	0.51	0.33	0.04	9.75	0.87	0.67	0.09
7.20	0.52	0.33	0.04	9.80	0.88	0.68	0.09
7.25	0.52	0.34	0.04	9.85	0.89	0.69	0.09
7.30	0.53	0.34	0.04	9.90	0.90	0.70	0.09
7.35	0.53	0.35	0.04	9.95	0.91	0.71	0.09
7.40	0.54	0.35	0.04	10.00	0.92	0.72	0.09
7.45	0.54	0.36	0.05	10.05	0.94	0.73	0.10
7.50	0.55	0.36	0.05	10.10	0.95	0.74	0.10
7.55	0.55	0.37	0.05	10.15	0.96	0.75	0.10
7.60	0.56	0.37	0.05	10.20	0.97	0.76	0.10
7.65	0.57	0.38	0.05	10.25	0.98	0.77	0.10
7.70	0.57	0.38	0.05	10.30	0.99	0.79	0.10
7.75	0.58	0.39	0.05	10.35	1.01	0.80	0.11

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.81	0.11	13.00	3.85	3.62	0.20
10.45	1.03	0.82	0.11	13.05	3.87	3.64	0.18
10.50	1.04	0.83	0.11	13.10	3.89	3.66	0.18
10.55	1.06	0.85	0.12	13.15	3.91	3.68	0.17
10.60	1.07	0.86	0.13	13.20	3.93	3.70	0.16
10.65	1.09	0.88	0.14	13.25	3.95	3.71	0.15
10.70	1.10	0.89	0.14	13.30	3.97	3.73	0.15
10.75	1.12	0.91	0.15	13.35	3.98	3.75	0.14
10.80	1.14	0.93	0.15	13.40	4.00	3.76	0.14
10.85	1.16	0.94	0.16	13.45	4.01	3.78	0.13
10.90	1.18	0.96	0.16	13.50	4.03	3.79	0.12
10.95	1.20	0.98	0.17	13.55	4.04	3.80	0.11
11.00	1.22	1.00	0.18	13.60	4.05	3.82	0.11
11.05	1.24	1.02	0.20	13.65	4.06	3.83	0.11
11.10	1.26	1.05	0.20	13.70	4.08	3.84	0.11
11.15	1.29	1.07	0.22	13.75	4.09	3.85	0.11
11.20	1.31	1.10	0.23	13.80	4.10	3.86	0.11
11.25	1.34	1.12	0.25	13.85	4.11	3.88	0.10
11.30	1.37	1.15	0.25	13.90	4.12	3.89	0.10
11.35	1.40	1.18	0.27	13.95	4.13	3.90	0.10
11.40	1.43	1.21	0.28	14.00	4.15	3.91	0.10
11.45	1.47	1.25	0.29	14.05	4.16	3.92	0.10
11.50	1.50	1.28	0.32	14.10	4.17	3.93	0.10
11.55	1.55	1.33	0.45	14.15	4.18	3.94	0.09
11.60	1.60	1.38	0.45	14.20	4.19	3.95	0.09
11.65	1.65	1.43	0.47	14.25	4.20	3.96	0.09
11.70	1.71	1.49	0.51	14.30	4.21	3.97	0.09
11.75	1.78	1.56	0.65	14.35	4.22	3.98	0.09
11.80	1.86	1.63	0.70	14.40	4.23	3.99	0.09
11.85	1.96	1.73	0.90	14.45	4.24	4.00	0.08
11.90	2.06	1.84	1.03	14.50	4.25	4.01	0.08
11.95	2.24	2.01	1.55	14.55	4.26	4.02	0.08
12.00	2.42	2.19	1.76	14.60	4.27	4.03	0.08
12.05	2.71	2.48	**2.60**	14.65	4.27	4.04	0.08
12.10	3.01	2.78	2.32	14.70	4.28	4.05	0.08
12.15	3.11	2.88	0.95	14.75	4.29	4.06	0.07
12.20	3.21	2.98	0.87	14.80	4.30	4.06	0.07
12.25	3.29	3.05	0.66	14.85	4.31	4.07	0.07
12.30	3.36	3.13	0.63	14.90	4.31	4.08	0.07
12.35	3.42	3.18	0.48	14.95	4.32	4.09	0.07
12.40	3.47	3.24	0.48	15.00	4.33	4.09	0.07
12.45	3.52	3.29	0.46	15.05	4.34	4.10	0.06
12.50	3.57	3.34	0.43	15.10	4.34	4.11	0.06
12.55	3.60	3.37	0.30	15.15	4.35	4.12	0.06
12.60	3.64	3.40	0.29	15.20	4.36	4.12	0.06
12.65	3.67	3.43	0.28	15.25	4.36	4.13	0.06
12.70	3.70	3.47	0.27	15.30	4.37	4.14	0.06
12.75	3.73	3.49	0.25	15.35	4.38	4.14	0.06
12.80	3.76	3.52	0.25	15.40	4.39	4.15	0.06
12.85	3.78	3.55	0.23	15.45	4.39	4.16	0.06
12.90	3.81	3.57	0.22	15.50	4.40	4.16	0.06
12.95	3.83	3.60	0.20	15.55	4.41	4.17	0.06

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	4.18	0.06	18.20	4.68	4.45	0.04
15.65	4.42	4.18	0.06	18.25	4.69	4.45	0.04
15.70	4.42	4.19	0.06	18.30	4.69	4.46	0.04
15.75	4.43	4.20	0.06	18.35	4.70	4.46	0.04
15.80	4.44	4.20	0.06	18.40	4.70	4.46	0.04
15.85	4.44	4.21	0.06	18.45	4.70	4.47	0.04
15.90	4.45	4.21	0.06	18.50	4.71	4.47	0.04
15.95	4.46	4.22	0.06	18.55	4.71	4.48	0.04
16.00	4.46	4.23	0.05	18.60	4.72	4.48	0.04
16.05	4.47	4.23	0.05	18.65	4.72	4.48	0.03
16.10	4.47	4.24	0.05	18.70	4.72	4.49	0.03
16.15	4.48	4.24	0.05	18.75	4.73	4.49	0.03
16.20	4.49	4.25	0.05	18.80	4.73	4.50	0.03
16.25	4.49	4.26	0.05	18.85	4.74	4.50	0.03
16.30	4.50	4.26	0.05	18.90	4.74	4.50	0.03
16.35	4.50	4.27	0.05	18.95	4.74	4.51	0.03
16.40	4.51	4.27	0.05	19.00	4.75	4.51	0.03
16.45	4.52	4.28	0.05	19.05	4.75	4.51	0.03
16.50	4.52	4.29	0.05	19.10	4.76	4.52	0.03
16.55	4.53	4.29	0.05	19.15	4.76	4.52	0.03
16.60	4.53	4.30	0.05	19.20	4.76	4.53	0.03
16.65	4.54	4.30	0.05	19.25	4.77	4.53	0.03
16.70	4.54	4.31	0.05	19.30	4.77	4.53	0.03
16.75	4.55	4.31	0.05	19.35	4.77	4.54	0.03
16.80	4.55	4.32	0.05	19.40	4.78	4.54	0.03
16.85	4.56	4.32	0.05	19.45	4.78	4.55	0.03
16.90	4.57	4.33	0.05	19.50	4.79	4.55	0.03
16.95	4.57	4.33	0.05	19.55	4.79	4.55	0.03
17.00	4.58	4.34	0.05	19.60	4.79	4.56	0.03
17.05	4.58	4.34	0.05	19.65	4.80	4.56	0.03
17.10	4.59	4.35	0.05	19.70	4.80	4.56	0.03
17.15	4.59	4.35	0.04	19.75	4.80	4.57	0.03
17.20	4.60	4.36	0.04	19.80	4.81	4.57	0.03
17.25	4.60	4.36	0.04	19.85	4.81	4.57	0.03
17.30	4.61	4.37	0.04	19.90	4.81	4.58	0.03
17.35	4.61	4.37	0.04	19.95	4.82	4.58	0.03
17.40	4.61	4.38	0.04	20.00	4.82	4.59	0.03
17.45	4.62	4.38	0.04	20.05	4.83	4.59	0.03
17.50	4.62	4.39	0.04	20.10	4.83	4.59	0.03
17.55	4.63	4.39	0.04	20.15	4.83	4.60	0.03
17.60	4.63	4.40	0.04	20.20	4.84	4.60	0.03
17.65	4.64	4.40	0.04	20.25	4.84	4.60	0.03
17.70	4.64	4.41	0.04	20.30	4.84	4.61	0.03
17.75	4.65	4.41	0.04	20.35	4.85	4.61	0.03
17.80	4.65	4.42	0.04	20.40	4.85	4.61	0.03
17.85	4.66	4.42	0.04	20.45	4.85	4.62	0.03
17.90	4.66	4.42	0.04	20.50	4.86	4.62	0.03
17.95	4.66	4.43	0.04	20.55	4.86	4.62	0.03
18.00	4.67	4.43	0.04	20.60	4.86	4.63	0.03
18.05	4.67	4.44	0.04	20.65	4.87	4.63	0.03
18.10	4.68	4.44	0.04	20.70	4.87	4.63	0.03
18.15	4.68	4.44	0.04	20.75	4.87	4.64	0.03

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	4.64	0.03	23.40	5.04	4.80	0.02
20.85	4.88	4.64	0.03	23.45	5.04	4.80	0.02
20.90	4.88	4.65	0.03	23.50	5.04	4.81	0.02
20.95	4.89	4.65	0.03	23.55	5.04	4.81	0.02
21.00	4.89	4.65	0.03	23.60	5.05	4.81	0.02
21.05	4.89	4.66	0.03	23.65	5.05	4.81	0.02
21.10	4.90	4.66	0.03	23.70	5.05	4.82	0.02
21.15	4.90	4.66	0.03	23.75	5.06	4.82	0.02
21.20	4.90	4.67	0.03	23.80	5.06	4.82	0.02
21.25	4.91	4.67	0.03	23.85	5.06	4.82	0.02
21.30	4.91	4.67	0.03	23.90	5.06	4.83	0.02
21.35	4.91	4.68	0.03	23.95	5.07	4.83	0.03
21.40	4.92	4.68	0.03	24.00	**5.07**	**4.83**	0.02
21.45	4.92	4.68	0.03	24.05	5.07	4.83	0.00
21.50	4.92	4.69	0.03	24.10	5.07	4.83	0.00
21.55	4.93	4.69	0.03	24.15	5.07	4.83	0.00
21.60	4.93	4.69	0.03	24.20	5.07	4.83	0.00
21.65	4.93	4.70	0.03	24.25	5.07	4.83	0.00
21.70	4.94	4.70	0.03	24.30	5.07	4.83	0.00
21.75	4.94	4.70	0.03	24.35	5.07	4.83	0.00
21.80	4.94	4.71	0.03	24.40	5.07	4.83	0.00
21.85	4.95	4.71	0.03	24.45	5.07	4.83	0.00
21.90	4.95	4.71	0.03	24.50	5.07	4.83	0.00
21.95	4.95	4.72	0.03	24.55	5.07	4.83	0.00
22.00	4.96	4.72	0.03	24.60	5.07	4.83	0.00
22.05	4.96	4.72	0.03	24.65	5.07	4.83	0.00
22.10	4.96	4.72	0.03	24.70	5.07	4.83	0.00
22.15	4.96	4.73	0.03	24.75	5.07	4.83	0.00
22.20	4.97	4.73	0.03	24.80	5.07	4.83	0.00
22.25	4.97	4.73	0.03	24.85	5.07	4.83	0.00
22.30	4.97	4.74	0.03	24.90	5.07	4.83	0.00
22.35	4.98	4.74	0.03	24.95	5.07	4.83	0.00
22.40	4.98	4.74	0.03	25.00	5.07	4.83	0.00
22.45	4.98	4.75	0.03	25.05	5.07	4.83	0.00
22.50	4.99	4.75	0.03	25.10	5.07	4.83	0.00
22.55	4.99	4.75	0.03	25.15	5.07	4.83	0.00
22.60	4.99	4.75	0.03	25.20	5.07	4.83	0.00
22.65	4.99	4.76	0.03	25.25	5.07	4.83	0.00
22.70	5.00	4.76	0.03	25.30	5.07	4.83	0.00
22.75	5.00	4.76	0.03	25.35	5.07	4.83	0.00
22.80	5.00	4.77	0.03	25.40	5.07	4.83	0.00
22.85	5.01	4.77	0.03	25.45	5.07	4.83	0.00
22.90	5.01	4.77	0.03	25.50	5.07	4.83	0.00
22.95	5.01	4.77	0.03	25.55	5.07	4.83	0.00
23.00	5.01	4.78	0.03	25.60	5.07	4.83	0.00
23.05	5.02	4.78	0.03	25.65	5.07	4.83	0.00
23.10	5.02	4.78	0.03	25.70	5.07	4.83	0.00
23.15	5.02	4.79	0.02	25.75	5.07	4.83	0.00
23.20	5.03	4.79	0.02	25.80	5.07	4.83	0.00
23.25	5.03	4.79	0.02	25.85	5.07	4.83	0.00
23.30	5.03	4.79	0.02	25.90	5.07	4.83	0.00
23.35	5.03	4.80	0.02	25.95	5.07	4.83	0.00

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	4.83	0.00	28.60	5.07	4.83	0.00
26.05	5.07	4.83	0.00	28.65	5.07	4.83	0.00
26.10	5.07	4.83	0.00	28.70	5.07	4.83	0.00
26.15	5.07	4.83	0.00	28.75	5.07	4.83	0.00
26.20	5.07	4.83	0.00	28.80	5.07	4.83	0.00
26.25	5.07	4.83	0.00	28.85	5.07	4.83	0.00
26.30	5.07	4.83	0.00	28.90	5.07	4.83	0.00
26.35	5.07	4.83	0.00	28.95	5.07	4.83	0.00
26.40	5.07	4.83	0.00	29.00	5.07	4.83	0.00
26.45	5.07	4.83	0.00	29.05	5.07	4.83	0.00
26.50	5.07	4.83	0.00	29.10	5.07	4.83	0.00
26.55	5.07	4.83	0.00	29.15	5.07	4.83	0.00
26.60	5.07	4.83	0.00	29.20	5.07	4.83	0.00
26.65	5.07	4.83	0.00	29.25	5.07	4.83	0.00
26.70	5.07	4.83	0.00	29.30	5.07	4.83	0.00
26.75	5.07	4.83	0.00	29.35	5.07	4.83	0.00
26.80	5.07	4.83	0.00	29.40	5.07	4.83	0.00
26.85	5.07	4.83	0.00	29.45	5.07	4.83	0.00
26.90	5.07	4.83	0.00	29.50	5.07	4.83	0.00
26.95	5.07	4.83	0.00	29.55	5.07	4.83	0.00
27.00	5.07	4.83	0.00	29.60	5.07	4.83	0.00
27.05	5.07	4.83	0.00	29.65	5.07	4.83	0.00
27.10	5.07	4.83	0.00	29.70	5.07	4.83	0.00
27.15	5.07	4.83	0.00	29.75	5.07	4.83	0.00
27.20	5.07	4.83	0.00	29.80	5.07	4.83	0.00
27.25	5.07	4.83	0.00	29.85	5.07	4.83	0.00
27.30	5.07	4.83	0.00	29.90	5.07	4.83	0.00
27.35	5.07	4.83	0.00	29.95	5.07	4.83	0.00
27.40	5.07	4.83	0.00	30.00	5.07	4.83	0.00
27.45	5.07	4.83	0.00	30.05	5.07	4.83	0.00
27.50	5.07	4.83	0.00	30.10	5.07	4.83	0.00
27.55	5.07	4.83	0.00	30.15	5.07	4.83	0.00
27.60	5.07	4.83	0.00	30.20	5.07	4.83	0.00
27.65	5.07	4.83	0.00	30.25	5.07	4.83	0.00
27.70	5.07	4.83	0.00	30.30	5.07	4.83	0.00
27.75	5.07	4.83	0.00	30.35	5.07	4.83	0.00
27.80	5.07	4.83	0.00	30.40	5.07	4.83	0.00
27.85	5.07	4.83	0.00	30.45	5.07	4.83	0.00
27.90	5.07	4.83	0.00	30.50	5.07	4.83	0.00
27.95	5.07	4.83	0.00	30.55	5.07	4.83	0.00
28.00	5.07	4.83	0.00	30.60	5.07	4.83	0.00
28.05	5.07	4.83	0.00	30.65	5.07	4.83	0.00
28.10	5.07	4.83	0.00	30.70	5.07	4.83	0.00
28.15	5.07	4.83	0.00	30.75	5.07	4.83	0.00
28.20	5.07	4.83	0.00	30.80	5.07	4.83	0.00
28.25	5.07	4.83	0.00	30.85	5.07	4.83	0.00
28.30	5.07	4.83	0.00	30.90	5.07	4.83	0.00
28.35	5.07	4.83	0.00	30.95	5.07	4.83	0.00
28.40	5.07	4.83	0.00	31.00	5.07	4.83	0.00
28.45	5.07	4.83	0.00	31.05	5.07	4.83	0.00
28.50	5.07	4.83	0.00	31.10	5.07	4.83	0.00
28.55	5.07	4.83	0.00	31.15	5.07	4.83	0.00

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	4.83	0.00	33.80	5.07	4.83	0.00
31.25	5.07	4.83	0.00	33.85	5.07	4.83	0.00
31.30	5.07	4.83	0.00	33.90	5.07	4.83	0.00
31.35	5.07	4.83	0.00	33.95	5.07	4.83	0.00
31.40	5.07	4.83	0.00	34.00	5.07	4.83	0.00
31.45	5.07	4.83	0.00	34.05	5.07	4.83	0.00
31.50	5.07	4.83	0.00	34.10	5.07	4.83	0.00
31.55	5.07	4.83	0.00	34.15	5.07	4.83	0.00
31.60	5.07	4.83	0.00	34.20	5.07	4.83	0.00
31.65	5.07	4.83	0.00	34.25	5.07	4.83	0.00
31.70	5.07	4.83	0.00	34.30	5.07	4.83	0.00
31.75	5.07	4.83	0.00	34.35	5.07	4.83	0.00
31.80	5.07	4.83	0.00	34.40	5.07	4.83	0.00
31.85	5.07	4.83	0.00	34.45	5.07	4.83	0.00
31.90	5.07	4.83	0.00	34.50	5.07	4.83	0.00
31.95	5.07	4.83	0.00	34.55	5.07	4.83	0.00
32.00	5.07	4.83	0.00	34.60	5.07	4.83	0.00
32.05	5.07	4.83	0.00	34.65	5.07	4.83	0.00
32.10	5.07	4.83	0.00	34.70	5.07	4.83	0.00
32.15	5.07	4.83	0.00	34.75	5.07	4.83	0.00
32.20	5.07	4.83	0.00	34.80	5.07	4.83	0.00
32.25	5.07	4.83	0.00	34.85	5.07	4.83	0.00
32.30	5.07	4.83	0.00	34.90	5.07	4.83	0.00
32.35	5.07	4.83	0.00	34.95	5.07	4.83	0.00
32.40	5.07	4.83	0.00	35.00	5.07	4.83	0.00
32.45	5.07	4.83	0.00	35.05	5.07	4.83	0.00
32.50	5.07	4.83	0.00	35.10	5.07	4.83	0.00
32.55	5.07	4.83	0.00	35.15	5.07	4.83	0.00
32.60	5.07	4.83	0.00	35.20	5.07	4.83	0.00
32.65	5.07	4.83	0.00	35.25	5.07	4.83	0.00
32.70	5.07	4.83	0.00	35.30	5.07	4.83	0.00
32.75	5.07	4.83	0.00	35.35	5.07	4.83	0.00
32.80	5.07	4.83	0.00	35.40	5.07	4.83	0.00
32.85	5.07	4.83	0.00	35.45	5.07	4.83	0.00
32.90	5.07	4.83	0.00	35.50	5.07	4.83	0.00
32.95	5.07	4.83	0.00	35.55	5.07	4.83	0.00
33.00	5.07	4.83	0.00	35.60	5.07	4.83	0.00
33.05	5.07	4.83	0.00	35.65	5.07	4.83	0.00
33.10	5.07	4.83	0.00	35.70	5.07	4.83	0.00
33.15	5.07	4.83	0.00	35.75	5.07	4.83	0.00
33.20	5.07	4.83	0.00	35.80	5.07	4.83	0.00
33.25	5.07	4.83	0.00	35.85	5.07	4.83	0.00
33.30	5.07	4.83	0.00	35.90	5.07	4.83	0.00
33.35	5.07	4.83	0.00	35.95	5.07	4.83	0.00
33.40	5.07	4.83	0.00	36.00	5.07	4.83	0.00
33.45	5.07	4.83	0.00	36.05	5.07	4.83	0.00
33.50	5.07	4.83	0.00	36.10	5.07	4.83	0.00
33.55	5.07	4.83	0.00	36.15	5.07	4.83	0.00
33.60	5.07	4.83	0.00	36.20	5.07	4.83	0.00
33.65	5.07	4.83	0.00	36.25	5.07	4.83	0.00
33.70	5.07	4.83	0.00	36.30	5.07	4.83	0.00
33.75	5.07	4.83	0.00	36.35	5.07	4.83	0.00

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	4.83	0.00
36.45	5.07	4.83	0.00
36.50	5.07	4.83	0.00
36.55	5.07	4.83	0.00
36.60	5.07	4.83	0.00
36.65	5.07	4.83	0.00
36.70	5.07	4.83	0.00
36.75	5.07	4.83	0.00
36.80	5.07	4.83	0.00
36.85	5.07	4.83	0.00
36.90	5.07	4.83	0.00
36.95	5.07	4.83	0.00
37.00	5.07	4.83	0.00
37.05	5.07	4.83	0.00
37.10	5.07	4.83	0.00
37.15	5.07	4.83	0.00
37.20	5.07	4.83	0.00
37.25	5.07	4.83	0.00
37.30	5.07	4.83	0.00
37.35	5.07	4.83	0.00
37.40	5.07	4.83	0.00
37.45	5.07	4.83	0.00
37.50	5.07	4.83	0.00
37.55	5.07	4.83	0.00
37.60	5.07	4.83	0.00
37.65	5.07	4.83	0.00
37.70	5.07	4.83	0.00
37.75	5.07	4.83	0.00
37.80	5.07	4.83	0.00
37.85	5.07	4.83	0.00
37.90	5.07	4.83	0.00
37.95	5.07	4.83	0.00
38.00	5.07	4.83	0.00
38.05	5.07	4.83	0.00
38.10	5.07	4.83	0.00
38.15	5.07	4.83	0.00
38.20	5.07	4.83	0.00
38.25	5.07	4.83	0.00
38.30	5.07	4.83	0.00
38.35	5.07	4.83	0.00
38.40	5.07	4.83	0.00
38.45	5.07	4.83	0.00
38.50	5.07	4.83	0.00
38.55	5.07	4.83	0.00
38.60	5.07	4.83	0.00
38.65	5.07	4.83	0.00
38.70	5.07	4.83	0.00
38.75	5.07	4.83	0.00
38.80	5.07	4.83	0.00
38.85	5.07	4.83	0.00
38.90	5.07	4.83	0.00
38.95	5.07	4.83	0.00
39.00	5.07	4.83	0.00
39.05	5.07	4.83	0.00
39.10	5.07	4.83	0.00
39.15	5.07	4.83	0.00
39.20	5.07	4.83	0.00
39.25	5.07	4.83	0.00
39.30	5.07	4.83	0.00
39.35	5.07	4.83	0.00
39.40	5.07	4.83	0.00
39.45	5.07	4.83	0.00
39.50	5.07	4.83	0.00
39.55	5.07	4.83	0.00
39.60	5.07	4.83	0.00
39.65	5.07	4.83	0.00
39.70	5.07	4.83	0.00
39.75	5.07	4.83	0.00
39.80	5.07	4.83	0.00
39.85	5.07	4.83	0.00
39.90	5.07	4.83	0.00
39.95	5.07	4.83	0.00
40.00	5.07	4.83	0.00

Summary for Subcatchment 58P: PDA-58 (pervious)

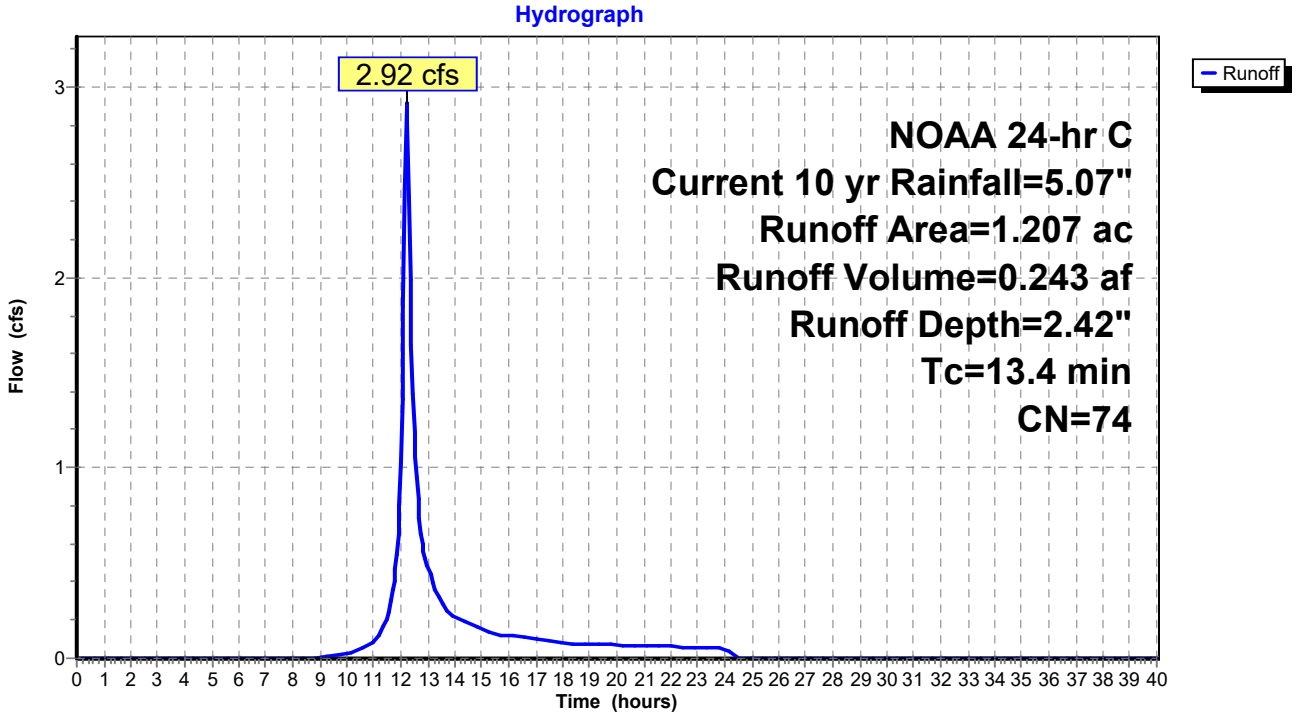
Runoff = 2.92 cfs @ 12.22 hrs, Volume= 0.243 af, Depth= 2.42"
Routed to Pond B-58 : Basin #58

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
1.207	74	>75% Grass cover, Good, HSG C
1.207		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
13.4					**Direct Entry,**

Subcatchment 58P: PDA-58 (pervious)



Hydrograph for Subcatchment 58P: PDA-58 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.00
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.00
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.00
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.00
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.00
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.01
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.01
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.01
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.01
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.01
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.01
7.00	0.49	0.00	0.00	9.60	0.84	0.01	0.01
7.05	0.50	0.00	0.00	9.65	0.85	0.01	0.01
7.10	0.50	0.00	0.00	9.70	0.86	0.01	0.01
7.15	0.51	0.00	0.00	9.75	0.87	0.01	0.02
7.20	0.52	0.00	0.00	9.80	0.88	0.01	0.02
7.25	0.52	0.00	0.00	9.85	0.89	0.01	0.02
7.30	0.53	0.00	0.00	9.90	0.90	0.01	0.02
7.35	0.53	0.00	0.00	9.95	0.91	0.01	0.02
7.40	0.54	0.00	0.00	10.00	0.92	0.01	0.02
7.45	0.54	0.00	0.00	10.05	0.94	0.01	0.03
7.50	0.55	0.00	0.00	10.10	0.95	0.02	0.03
7.55	0.55	0.00	0.00	10.15	0.96	0.02	0.03
7.60	0.56	0.00	0.00	10.20	0.97	0.02	0.03
7.65	0.57	0.00	0.00	10.25	0.98	0.02	0.03
7.70	0.57	0.00	0.00	10.30	0.99	0.02	0.04
7.75	0.58	0.00	0.00	10.35	1.01	0.02	0.04

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.03	0.04	13.00	3.85	1.49	0.47
10.45	1.03	0.03	0.04	13.05	3.87	1.50	0.45
10.50	1.04	0.03	0.04	13.10	3.89	1.52	0.43
10.55	1.06	0.03	0.05	13.15	3.91	1.53	0.40
10.60	1.07	0.04	0.05	13.20	3.93	1.55	0.38
10.65	1.09	0.04	0.05	13.25	3.95	1.56	0.36
10.70	1.10	0.04	0.06	13.30	3.97	1.57	0.35
10.75	1.12	0.04	0.06	13.35	3.98	1.58	0.33
10.80	1.14	0.05	0.07	13.40	4.00	1.59	0.32
10.85	1.16	0.05	0.07	13.45	4.01	1.60	0.31
10.90	1.18	0.06	0.08	13.50	4.03	1.61	0.30
10.95	1.20	0.06	0.08	13.55	4.04	1.62	0.28
11.00	1.22	0.07	0.09	13.60	4.05	1.63	0.27
11.05	1.24	0.07	0.10	13.65	4.06	1.64	0.26
11.10	1.26	0.08	0.11	13.70	4.08	1.65	0.25
11.15	1.29	0.08	0.12	13.75	4.09	1.66	0.24
11.20	1.31	0.09	0.13	13.80	4.10	1.67	0.23
11.25	1.34	0.10	0.14	13.85	4.11	1.68	0.23
11.30	1.37	0.11	0.15	13.90	4.12	1.69	0.22
11.35	1.40	0.12	0.16	13.95	4.13	1.70	0.22
11.40	1.43	0.13	0.18	14.00	4.15	1.70	0.21
11.45	1.47	0.14	0.19	14.05	4.16	1.71	0.21
11.50	1.50	0.15	0.21	14.10	4.17	1.72	0.21
11.55	1.55	0.16	0.23	14.15	4.18	1.73	0.20
11.60	1.60	0.18	0.26	14.20	4.19	1.74	0.20
11.65	1.65	0.20	0.30	14.25	4.20	1.74	0.20
11.70	1.71	0.22	0.36	14.30	4.21	1.75	0.20
11.75	1.78	0.25	0.41	14.35	4.22	1.76	0.19
11.80	1.86	0.29	0.47	14.40	4.23	1.77	0.19
11.85	1.96	0.33	0.55	14.45	4.24	1.77	0.19
11.90	2.06	0.38	0.65	14.50	4.25	1.78	0.18
11.95	2.24	0.47	0.80	14.55	4.26	1.79	0.18
12.00	2.42	0.56	1.03	14.60	4.27	1.79	0.18
12.05	2.71	0.73	1.36	14.65	4.27	1.80	0.17
12.10	3.01	0.91	1.85	14.70	4.28	1.81	0.17
12.15	3.11	0.98	2.47	14.75	4.29	1.81	0.17
12.20	3.21	1.05	**2.89**	14.80	4.30	1.82	0.16
12.25	3.29	1.10	2.82	14.85	4.31	1.82	0.16
12.30	3.36	1.15	2.43	14.90	4.31	1.83	0.16
12.35	3.42	1.18	1.99	14.95	4.32	1.84	0.15
12.40	3.47	1.22	1.65	15.00	4.33	1.84	0.15
12.45	3.52	1.25	1.39	15.05	4.34	1.85	0.15
12.50	3.57	1.29	1.19	15.10	4.34	1.85	0.14
12.55	3.60	1.31	1.06	15.15	4.35	1.86	0.14
12.60	3.64	1.34	0.95	15.20	4.36	1.86	0.14
12.65	3.67	1.36	0.84	15.25	4.36	1.87	0.13
12.70	3.70	1.38	0.73	15.30	4.37	1.87	0.13
12.75	3.73	1.40	0.65	15.35	4.38	1.88	0.13
12.80	3.76	1.42	0.60	15.40	4.39	1.88	0.13
12.85	3.78	1.44	0.56	15.45	4.39	1.89	0.13
12.90	3.81	1.46	0.53	15.50	4.40	1.89	0.13
12.95	3.83	1.47	0.50	15.55	4.41	1.90	0.13

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	1.90	0.13	18.20	4.68	2.12	0.08
15.65	4.42	1.91	0.12	18.25	4.69	2.12	0.08
15.70	4.42	1.91	0.12	18.30	4.69	2.12	0.08
15.75	4.43	1.92	0.12	18.35	4.70	2.12	0.08
15.80	4.44	1.92	0.12	18.40	4.70	2.13	0.08
15.85	4.44	1.93	0.12	18.45	4.70	2.13	0.08
15.90	4.45	1.93	0.12	18.50	4.71	2.13	0.08
15.95	4.46	1.94	0.12	18.55	4.71	2.14	0.08
16.00	4.46	1.94	0.12	18.60	4.72	2.14	0.08
16.05	4.47	1.95	0.12	18.65	4.72	2.14	0.08
16.10	4.47	1.95	0.12	18.70	4.72	2.15	0.08
16.15	4.48	1.96	0.12	18.75	4.73	2.15	0.08
16.20	4.49	1.96	0.11	18.80	4.73	2.15	0.08
16.25	4.49	1.97	0.11	18.85	4.74	2.16	0.07
16.30	4.50	1.97	0.11	18.90	4.74	2.16	0.07
16.35	4.50	1.98	0.11	18.95	4.74	2.16	0.07
16.40	4.51	1.98	0.11	19.00	4.75	2.16	0.07
16.45	4.52	1.98	0.11	19.05	4.75	2.17	0.07
16.50	4.52	1.99	0.11	19.10	4.76	2.17	0.07
16.55	4.53	1.99	0.11	19.15	4.76	2.17	0.07
16.60	4.53	2.00	0.11	19.20	4.76	2.18	0.07
16.65	4.54	2.00	0.11	19.25	4.77	2.18	0.07
16.70	4.54	2.01	0.11	19.30	4.77	2.18	0.07
16.75	4.55	2.01	0.11	19.35	4.77	2.19	0.07
16.80	4.55	2.01	0.10	19.40	4.78	2.19	0.07
16.85	4.56	2.02	0.10	19.45	4.78	2.19	0.07
16.90	4.57	2.02	0.10	19.50	4.79	2.19	0.07
16.95	4.57	2.03	0.10	19.55	4.79	2.20	0.07
17.00	4.58	2.03	0.10	19.60	4.79	2.20	0.07
17.05	4.58	2.03	0.10	19.65	4.80	2.20	0.07
17.10	4.59	2.04	0.10	19.70	4.80	2.21	0.07
17.15	4.59	2.04	0.10	19.75	4.80	2.21	0.07
17.20	4.60	2.05	0.10	19.80	4.81	2.21	0.07
17.25	4.60	2.05	0.10	19.85	4.81	2.21	0.07
17.30	4.61	2.05	0.10	19.90	4.81	2.22	0.07
17.35	4.61	2.06	0.09	19.95	4.82	2.22	0.07
17.40	4.61	2.06	0.09	20.00	4.82	2.22	0.07
17.45	4.62	2.06	0.09	20.05	4.83	2.23	0.07
17.50	4.62	2.07	0.09	20.10	4.83	2.23	0.07
17.55	4.63	2.07	0.09	20.15	4.83	2.23	0.07
17.60	4.63	2.08	0.09	20.20	4.84	2.23	0.07
17.65	4.64	2.08	0.09	20.25	4.84	2.24	0.07
17.70	4.64	2.08	0.09	20.30	4.84	2.24	0.07
17.75	4.65	2.09	0.09	20.35	4.85	2.24	0.07
17.80	4.65	2.09	0.09	20.40	4.85	2.25	0.07
17.85	4.66	2.09	0.09	20.45	4.85	2.25	0.07
17.90	4.66	2.10	0.08	20.50	4.86	2.25	0.07
17.95	4.66	2.10	0.08	20.55	4.86	2.25	0.07
18.00	4.67	2.10	0.08	20.60	4.86	2.26	0.07
18.05	4.67	2.11	0.08	20.65	4.87	2.26	0.07
18.10	4.68	2.11	0.08	20.70	4.87	2.26	0.07
18.15	4.68	2.11	0.08	20.75	4.87	2.26	0.07

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	2.27	0.07	23.40	5.04	2.39	0.05
20.85	4.88	2.27	0.07	23.45	5.04	2.40	0.05
20.90	4.88	2.27	0.07	23.50	5.04	2.40	0.05
20.95	4.89	2.28	0.07	23.55	5.04	2.40	0.05
21.00	4.89	2.28	0.07	23.60	5.05	2.40	0.05
21.05	4.89	2.28	0.06	23.65	5.05	2.40	0.05
21.10	4.90	2.28	0.06	23.70	5.05	2.41	0.05
21.15	4.90	2.29	0.06	23.75	5.06	2.41	0.05
21.20	4.90	2.29	0.06	23.80	5.06	2.41	0.05
21.25	4.91	2.29	0.06	23.85	5.06	2.41	0.05
21.30	4.91	2.29	0.06	23.90	5.06	2.42	0.05
21.35	4.91	2.30	0.06	23.95	5.07	2.42	0.05
21.40	4.92	2.30	0.06	24.00	**5.07**	**2.42**	0.05
21.45	4.92	2.30	0.06	24.05	5.07	2.42	0.05
21.50	4.92	2.30	0.06	24.10	5.07	2.42	0.05
21.55	4.93	2.31	0.06	24.15	5.07	2.42	0.04
21.60	4.93	2.31	0.06	24.20	5.07	2.42	0.03
21.65	4.93	2.31	0.06	24.25	5.07	2.42	0.02
21.70	4.94	2.31	0.06	24.30	5.07	2.42	0.01
21.75	4.94	2.32	0.06	24.35	5.07	2.42	0.01
21.80	4.94	2.32	0.06	24.40	5.07	2.42	0.00
21.85	4.95	2.32	0.06	24.45	5.07	2.42	0.00
21.90	4.95	2.32	0.06	24.50	5.07	2.42	0.00
21.95	4.95	2.33	0.06	24.55	5.07	2.42	0.00
22.00	4.96	2.33	0.06	24.60	5.07	2.42	0.00
22.05	4.96	2.33	0.06	24.65	5.07	2.42	0.00
22.10	4.96	2.33	0.06	24.70	5.07	2.42	0.00
22.15	4.96	2.34	0.06	24.75	5.07	2.42	0.00
22.20	4.97	2.34	0.06	24.80	5.07	2.42	0.00
22.25	4.97	2.34	0.06	24.85	5.07	2.42	0.00
22.30	4.97	2.34	0.06	24.90	5.07	2.42	0.00
22.35	4.98	2.35	0.06	24.95	5.07	2.42	0.00
22.40	4.98	2.35	0.06	25.00	5.07	2.42	0.00
22.45	4.98	2.35	0.06	25.05	5.07	2.42	0.00
22.50	4.99	2.35	0.06	25.10	5.07	2.42	0.00
22.55	4.99	2.36	0.06	25.15	5.07	2.42	0.00
22.60	4.99	2.36	0.06	25.20	5.07	2.42	0.00
22.65	4.99	2.36	0.06	25.25	5.07	2.42	0.00
22.70	5.00	2.36	0.06	25.30	5.07	2.42	0.00
22.75	5.00	2.36	0.06	25.35	5.07	2.42	0.00
22.80	5.00	2.37	0.06	25.40	5.07	2.42	0.00
22.85	5.01	2.37	0.06	25.45	5.07	2.42	0.00
22.90	5.01	2.37	0.06	25.50	5.07	2.42	0.00
22.95	5.01	2.37	0.06	25.55	5.07	2.42	0.00
23.00	5.01	2.38	0.06	25.60	5.07	2.42	0.00
23.05	5.02	2.38	0.06	25.65	5.07	2.42	0.00
23.10	5.02	2.38	0.06	25.70	5.07	2.42	0.00
23.15	5.02	2.38	0.06	25.75	5.07	2.42	0.00
23.20	5.03	2.38	0.06	25.80	5.07	2.42	0.00
23.25	5.03	2.39	0.05	25.85	5.07	2.42	0.00
23.30	5.03	2.39	0.05	25.90	5.07	2.42	0.00
23.35	5.03	2.39	0.05	25.95	5.07	2.42	0.00

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	2.42	0.00	28.60	5.07	2.42	0.00
26.05	5.07	2.42	0.00	28.65	5.07	2.42	0.00
26.10	5.07	2.42	0.00	28.70	5.07	2.42	0.00
26.15	5.07	2.42	0.00	28.75	5.07	2.42	0.00
26.20	5.07	2.42	0.00	28.80	5.07	2.42	0.00
26.25	5.07	2.42	0.00	28.85	5.07	2.42	0.00
26.30	5.07	2.42	0.00	28.90	5.07	2.42	0.00
26.35	5.07	2.42	0.00	28.95	5.07	2.42	0.00
26.40	5.07	2.42	0.00	29.00	5.07	2.42	0.00
26.45	5.07	2.42	0.00	29.05	5.07	2.42	0.00
26.50	5.07	2.42	0.00	29.10	5.07	2.42	0.00
26.55	5.07	2.42	0.00	29.15	5.07	2.42	0.00
26.60	5.07	2.42	0.00	29.20	5.07	2.42	0.00
26.65	5.07	2.42	0.00	29.25	5.07	2.42	0.00
26.70	5.07	2.42	0.00	29.30	5.07	2.42	0.00
26.75	5.07	2.42	0.00	29.35	5.07	2.42	0.00
26.80	5.07	2.42	0.00	29.40	5.07	2.42	0.00
26.85	5.07	2.42	0.00	29.45	5.07	2.42	0.00
26.90	5.07	2.42	0.00	29.50	5.07	2.42	0.00
26.95	5.07	2.42	0.00	29.55	5.07	2.42	0.00
27.00	5.07	2.42	0.00	29.60	5.07	2.42	0.00
27.05	5.07	2.42	0.00	29.65	5.07	2.42	0.00
27.10	5.07	2.42	0.00	29.70	5.07	2.42	0.00
27.15	5.07	2.42	0.00	29.75	5.07	2.42	0.00
27.20	5.07	2.42	0.00	29.80	5.07	2.42	0.00
27.25	5.07	2.42	0.00	29.85	5.07	2.42	0.00
27.30	5.07	2.42	0.00	29.90	5.07	2.42	0.00
27.35	5.07	2.42	0.00	29.95	5.07	2.42	0.00
27.40	5.07	2.42	0.00	30.00	5.07	2.42	0.00
27.45	5.07	2.42	0.00	30.05	5.07	2.42	0.00
27.50	5.07	2.42	0.00	30.10	5.07	2.42	0.00
27.55	5.07	2.42	0.00	30.15	5.07	2.42	0.00
27.60	5.07	2.42	0.00	30.20	5.07	2.42	0.00
27.65	5.07	2.42	0.00	30.25	5.07	2.42	0.00
27.70	5.07	2.42	0.00	30.30	5.07	2.42	0.00
27.75	5.07	2.42	0.00	30.35	5.07	2.42	0.00
27.80	5.07	2.42	0.00	30.40	5.07	2.42	0.00
27.85	5.07	2.42	0.00	30.45	5.07	2.42	0.00
27.90	5.07	2.42	0.00	30.50	5.07	2.42	0.00
27.95	5.07	2.42	0.00	30.55	5.07	2.42	0.00
28.00	5.07	2.42	0.00	30.60	5.07	2.42	0.00
28.05	5.07	2.42	0.00	30.65	5.07	2.42	0.00
28.10	5.07	2.42	0.00	30.70	5.07	2.42	0.00
28.15	5.07	2.42	0.00	30.75	5.07	2.42	0.00
28.20	5.07	2.42	0.00	30.80	5.07	2.42	0.00
28.25	5.07	2.42	0.00	30.85	5.07	2.42	0.00
28.30	5.07	2.42	0.00	30.90	5.07	2.42	0.00
28.35	5.07	2.42	0.00	30.95	5.07	2.42	0.00
28.40	5.07	2.42	0.00	31.00	5.07	2.42	0.00
28.45	5.07	2.42	0.00	31.05	5.07	2.42	0.00
28.50	5.07	2.42	0.00	31.10	5.07	2.42	0.00
28.55	5.07	2.42	0.00	31.15	5.07	2.42	0.00

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	2.42	0.00	33.80	5.07	2.42	0.00
31.25	5.07	2.42	0.00	33.85	5.07	2.42	0.00
31.30	5.07	2.42	0.00	33.90	5.07	2.42	0.00
31.35	5.07	2.42	0.00	33.95	5.07	2.42	0.00
31.40	5.07	2.42	0.00	34.00	5.07	2.42	0.00
31.45	5.07	2.42	0.00	34.05	5.07	2.42	0.00
31.50	5.07	2.42	0.00	34.10	5.07	2.42	0.00
31.55	5.07	2.42	0.00	34.15	5.07	2.42	0.00
31.60	5.07	2.42	0.00	34.20	5.07	2.42	0.00
31.65	5.07	2.42	0.00	34.25	5.07	2.42	0.00
31.70	5.07	2.42	0.00	34.30	5.07	2.42	0.00
31.75	5.07	2.42	0.00	34.35	5.07	2.42	0.00
31.80	5.07	2.42	0.00	34.40	5.07	2.42	0.00
31.85	5.07	2.42	0.00	34.45	5.07	2.42	0.00
31.90	5.07	2.42	0.00	34.50	5.07	2.42	0.00
31.95	5.07	2.42	0.00	34.55	5.07	2.42	0.00
32.00	5.07	2.42	0.00	34.60	5.07	2.42	0.00
32.05	5.07	2.42	0.00	34.65	5.07	2.42	0.00
32.10	5.07	2.42	0.00	34.70	5.07	2.42	0.00
32.15	5.07	2.42	0.00	34.75	5.07	2.42	0.00
32.20	5.07	2.42	0.00	34.80	5.07	2.42	0.00
32.25	5.07	2.42	0.00	34.85	5.07	2.42	0.00
32.30	5.07	2.42	0.00	34.90	5.07	2.42	0.00
32.35	5.07	2.42	0.00	34.95	5.07	2.42	0.00
32.40	5.07	2.42	0.00	35.00	5.07	2.42	0.00
32.45	5.07	2.42	0.00	35.05	5.07	2.42	0.00
32.50	5.07	2.42	0.00	35.10	5.07	2.42	0.00
32.55	5.07	2.42	0.00	35.15	5.07	2.42	0.00
32.60	5.07	2.42	0.00	35.20	5.07	2.42	0.00
32.65	5.07	2.42	0.00	35.25	5.07	2.42	0.00
32.70	5.07	2.42	0.00	35.30	5.07	2.42	0.00
32.75	5.07	2.42	0.00	35.35	5.07	2.42	0.00
32.80	5.07	2.42	0.00	35.40	5.07	2.42	0.00
32.85	5.07	2.42	0.00	35.45	5.07	2.42	0.00
32.90	5.07	2.42	0.00	35.50	5.07	2.42	0.00
32.95	5.07	2.42	0.00	35.55	5.07	2.42	0.00
33.00	5.07	2.42	0.00	35.60	5.07	2.42	0.00
33.05	5.07	2.42	0.00	35.65	5.07	2.42	0.00
33.10	5.07	2.42	0.00	35.70	5.07	2.42	0.00
33.15	5.07	2.42	0.00	35.75	5.07	2.42	0.00
33.20	5.07	2.42	0.00	35.80	5.07	2.42	0.00
33.25	5.07	2.42	0.00	35.85	5.07	2.42	0.00
33.30	5.07	2.42	0.00	35.90	5.07	2.42	0.00
33.35	5.07	2.42	0.00	35.95	5.07	2.42	0.00
33.40	5.07	2.42	0.00	36.00	5.07	2.42	0.00
33.45	5.07	2.42	0.00	36.05	5.07	2.42	0.00
33.50	5.07	2.42	0.00	36.10	5.07	2.42	0.00
33.55	5.07	2.42	0.00	36.15	5.07	2.42	0.00
33.60	5.07	2.42	0.00	36.20	5.07	2.42	0.00
33.65	5.07	2.42	0.00	36.25	5.07	2.42	0.00
33.70	5.07	2.42	0.00	36.30	5.07	2.42	0.00
33.75	5.07	2.42	0.00	36.35	5.07	2.42	0.00

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	2.42	0.00
36.45	5.07	2.42	0.00
36.50	5.07	2.42	0.00
36.55	5.07	2.42	0.00
36.60	5.07	2.42	0.00
36.65	5.07	2.42	0.00
36.70	5.07	2.42	0.00
36.75	5.07	2.42	0.00
36.80	5.07	2.42	0.00
36.85	5.07	2.42	0.00
36.90	5.07	2.42	0.00
36.95	5.07	2.42	0.00
37.00	5.07	2.42	0.00
37.05	5.07	2.42	0.00
37.10	5.07	2.42	0.00
37.15	5.07	2.42	0.00
37.20	5.07	2.42	0.00
37.25	5.07	2.42	0.00
37.30	5.07	2.42	0.00
37.35	5.07	2.42	0.00
37.40	5.07	2.42	0.00
37.45	5.07	2.42	0.00
37.50	5.07	2.42	0.00
37.55	5.07	2.42	0.00
37.60	5.07	2.42	0.00
37.65	5.07	2.42	0.00
37.70	5.07	2.42	0.00
37.75	5.07	2.42	0.00
37.80	5.07	2.42	0.00
37.85	5.07	2.42	0.00
37.90	5.07	2.42	0.00
37.95	5.07	2.42	0.00
38.00	5.07	2.42	0.00
38.05	5.07	2.42	0.00
38.10	5.07	2.42	0.00
38.15	5.07	2.42	0.00
38.20	5.07	2.42	0.00
38.25	5.07	2.42	0.00
38.30	5.07	2.42	0.00
38.35	5.07	2.42	0.00
38.40	5.07	2.42	0.00
38.45	5.07	2.42	0.00
38.50	5.07	2.42	0.00
38.55	5.07	2.42	0.00
38.60	5.07	2.42	0.00
38.65	5.07	2.42	0.00
38.70	5.07	2.42	0.00
38.75	5.07	2.42	0.00
38.80	5.07	2.42	0.00
38.85	5.07	2.42	0.00
38.90	5.07	2.42	0.00
38.95	5.07	2.42	0.00
39.00	5.07	2.42	0.00
39.05	5.07	2.42	0.00
39.10	5.07	2.42	0.00
39.15	5.07	2.42	0.00
39.20	5.07	2.42	0.00
39.25	5.07	2.42	0.00
39.30	5.07	2.42	0.00
39.35	5.07	2.42	0.00
39.40	5.07	2.42	0.00
39.45	5.07	2.42	0.00
39.50	5.07	2.42	0.00
39.55	5.07	2.42	0.00
39.60	5.07	2.42	0.00
39.65	5.07	2.42	0.00
39.70	5.07	2.42	0.00
39.75	5.07	2.42	0.00
39.80	5.07	2.42	0.00
39.85	5.07	2.42	0.00
39.90	5.07	2.42	0.00
39.95	5.07	2.42	0.00
40.00	5.07	2.42	0.00

Summary for Subcatchment UPDA-6: PDA-6 (undetained)

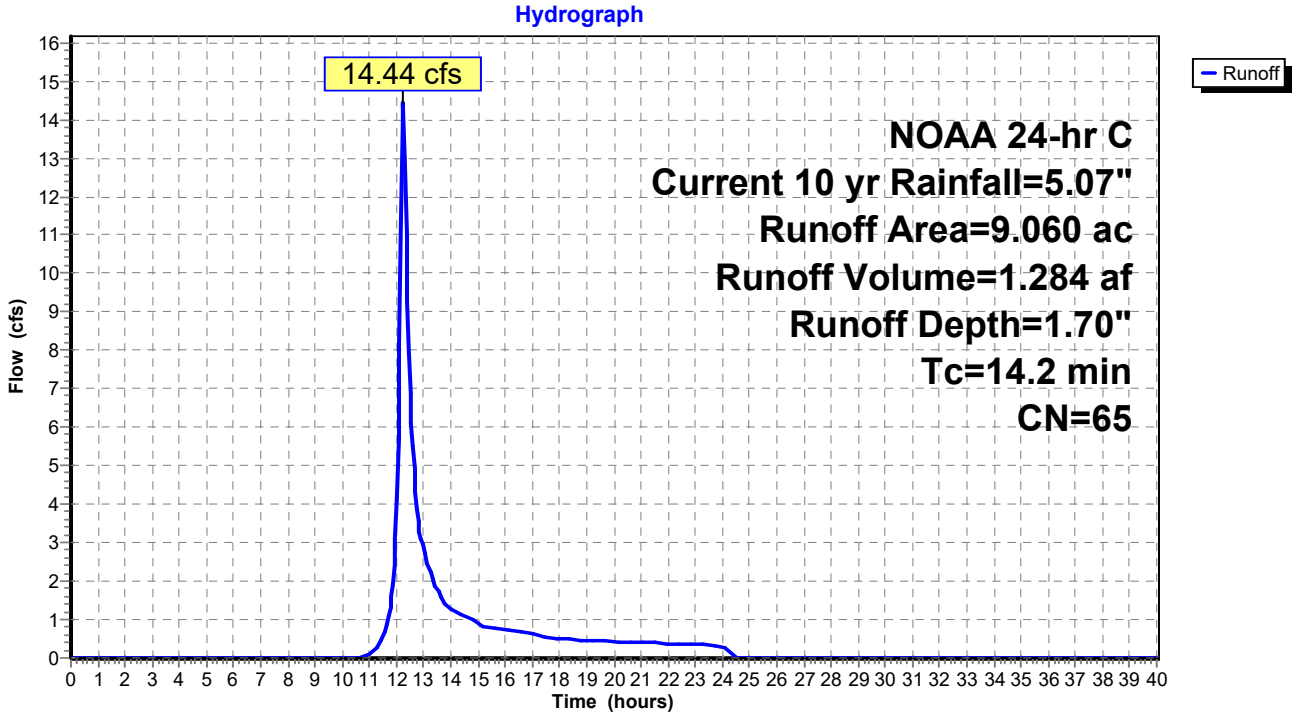
Runoff = 14.44 cfs @ 12.24 hrs, Volume= 1.284 af, Depth= 1.70"
Routed to Link PDA-6ON : Proposed Onsite Drainage Area #6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 10 yr Rainfall=5.07"

Area (ac)	CN	Description
2.520	74	>75% Grass cover, Good, HSG C
3.924	55	Woods, Good, HSG B
2.289	70	Woods, Good, HSG C
0.327	77	Woods, Good, HSG D
9.060	65	Weighted Average
9.060		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.2					**Direct Entry,**

Subcatchment UPDA-6: PDA-6 (undetained)



Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.15	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.16	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.16	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.16	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.17	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.17	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.17	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.18	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.18	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.18	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.19	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.19	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.19	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.20	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.20	0.00	0.00
0.75	0.04	0.00	0.00	3.35	0.20	0.00	0.00
0.80	0.04	0.00	0.00	3.40	0.21	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.21	0.00	0.00
0.90	0.05	0.00	0.00	3.50	0.21	0.00	0.00
0.95	0.05	0.00	0.00	3.55	0.22	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.22	0.00	0.00
1.05	0.06	0.00	0.00	3.65	0.22	0.00	0.00
1.10	0.06	0.00	0.00	3.70	0.23	0.00	0.00
1.15	0.06	0.00	0.00	3.75	0.23	0.00	0.00
1.20	0.07	0.00	0.00	3.80	0.23	0.00	0.00
1.25	0.07	0.00	0.00	3.85	0.24	0.00	0.00
1.30	0.07	0.00	0.00	3.90	0.24	0.00	0.00
1.35	0.08	0.00	0.00	3.95	0.24	0.00	0.00
1.40	0.08	0.00	0.00	4.00	0.25	0.00	0.00
1.45	0.08	0.00	0.00	4.05	0.25	0.00	0.00
1.50	0.08	0.00	0.00	4.10	0.26	0.00	0.00
1.55	0.09	0.00	0.00	4.15	0.26	0.00	0.00
1.60	0.09	0.00	0.00	4.20	0.26	0.00	0.00
1.65	0.09	0.00	0.00	4.25	0.27	0.00	0.00
1.70	0.10	0.00	0.00	4.30	0.27	0.00	0.00
1.75	0.10	0.00	0.00	4.35	0.27	0.00	0.00
1.80	0.10	0.00	0.00	4.40	0.28	0.00	0.00
1.85	0.11	0.00	0.00	4.45	0.28	0.00	0.00
1.90	0.11	0.00	0.00	4.50	0.28	0.00	0.00
1.95	0.11	0.00	0.00	4.55	0.29	0.00	0.00
2.00	0.11	0.00	0.00	4.60	0.29	0.00	0.00
2.05	0.12	0.00	0.00	4.65	0.30	0.00	0.00
2.10	0.12	0.00	0.00	4.70	0.30	0.00	0.00
2.15	0.12	0.00	0.00	4.75	0.30	0.00	0.00
2.20	0.13	0.00	0.00	4.80	0.31	0.00	0.00
2.25	0.13	0.00	0.00	4.85	0.31	0.00	0.00
2.30	0.13	0.00	0.00	4.90	0.31	0.00	0.00
2.35	0.14	0.00	0.00	4.95	0.32	0.00	0.00
2.40	0.14	0.00	0.00	5.00	0.32	0.00	0.00
2.45	0.14	0.00	0.00	5.05	0.33	0.00	0.00
2.50	0.15	0.00	0.00	5.10	0.33	0.00	0.00
2.55	0.15	0.00	0.00	5.15	0.33	0.00	0.00

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.34	0.00	0.00	7.80	0.58	0.00	0.00
5.25	0.34	0.00	0.00	7.85	0.59	0.00	0.00
5.30	0.35	0.00	0.00	7.90	0.60	0.00	0.00
5.35	0.35	0.00	0.00	7.95	0.60	0.00	0.00
5.40	0.35	0.00	0.00	8.00	0.61	0.00	0.00
5.45	0.36	0.00	0.00	8.05	0.61	0.00	0.00
5.50	0.36	0.00	0.00	8.10	0.62	0.00	0.00
5.55	0.37	0.00	0.00	8.15	0.63	0.00	0.00
5.60	0.37	0.00	0.00	8.20	0.63	0.00	0.00
5.65	0.37	0.00	0.00	8.25	0.64	0.00	0.00
5.70	0.38	0.00	0.00	8.30	0.65	0.00	0.00
5.75	0.38	0.00	0.00	8.35	0.65	0.00	0.00
5.80	0.39	0.00	0.00	8.40	0.66	0.00	0.00
5.85	0.39	0.00	0.00	8.45	0.66	0.00	0.00
5.90	0.39	0.00	0.00	8.50	0.67	0.00	0.00
5.95	0.40	0.00	0.00	8.55	0.68	0.00	0.00
6.00	0.40	0.00	0.00	8.60	0.68	0.00	0.00
6.05	0.41	0.00	0.00	8.65	0.69	0.00	0.00
6.10	0.41	0.00	0.00	8.70	0.70	0.00	0.00
6.15	0.41	0.00	0.00	8.75	0.71	0.00	0.00
6.20	0.42	0.00	0.00	8.80	0.71	0.00	0.00
6.25	0.42	0.00	0.00	8.85	0.72	0.00	0.00
6.30	0.43	0.00	0.00	8.90	0.73	0.00	0.00
6.35	0.43	0.00	0.00	8.95	0.73	0.00	0.00
6.40	0.44	0.00	0.00	9.00	0.74	0.00	0.00
6.45	0.44	0.00	0.00	9.05	0.75	0.00	0.00
6.50	0.45	0.00	0.00	9.10	0.76	0.00	0.00
6.55	0.45	0.00	0.00	9.15	0.76	0.00	0.00
6.60	0.46	0.00	0.00	9.20	0.77	0.00	0.00
6.65	0.46	0.00	0.00	9.25	0.78	0.00	0.00
6.70	0.46	0.00	0.00	9.30	0.79	0.00	0.00
6.75	0.47	0.00	0.00	9.35	0.80	0.00	0.00
6.80	0.47	0.00	0.00	9.40	0.80	0.00	0.00
6.85	0.48	0.00	0.00	9.45	0.81	0.00	0.00
6.90	0.48	0.00	0.00	9.50	0.82	0.00	0.00
6.95	0.49	0.00	0.00	9.55	0.83	0.00	0.00
7.00	0.49	0.00	0.00	9.60	0.84	0.00	0.00
7.05	0.50	0.00	0.00	9.65	0.85	0.00	0.00
7.10	0.50	0.00	0.00	9.70	0.86	0.00	0.00
7.15	0.51	0.00	0.00	9.75	0.87	0.00	0.00
7.20	0.52	0.00	0.00	9.80	0.88	0.00	0.00
7.25	0.52	0.00	0.00	9.85	0.89	0.00	0.00
7.30	0.53	0.00	0.00	9.90	0.90	0.00	0.00
7.35	0.53	0.00	0.00	9.95	0.91	0.00	0.00
7.40	0.54	0.00	0.00	10.00	0.92	0.00	0.00
7.45	0.54	0.00	0.00	10.05	0.94	0.00	0.00
7.50	0.55	0.00	0.00	10.10	0.95	0.00	0.00
7.55	0.55	0.00	0.00	10.15	0.96	0.00	0.00
7.60	0.56	0.00	0.00	10.20	0.97	0.00	0.00
7.65	0.57	0.00	0.00	10.25	0.98	0.00	0.00
7.70	0.57	0.00	0.00	10.30	0.99	0.00	0.00
7.75	0.58	0.00	0.00	10.35	1.01	0.00	0.00

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.02	0.00	0.00	13.00	3.85	0.94	2.80
10.45	1.03	0.00	0.00	13.05	3.87	0.96	2.66
10.50	1.04	0.00	0.00	13.10	3.89	0.97	2.53
10.55	1.06	0.00	0.00	13.15	3.91	0.98	2.40
10.60	1.07	0.00	0.00	13.20	3.93	0.99	2.27
10.65	1.09	0.00	0.00	13.25	3.95	1.00	2.17
10.70	1.10	0.00	0.00	13.30	3.97	1.01	2.07
10.75	1.12	0.00	0.00	13.35	3.98	1.02	1.99
10.80	1.14	0.00	0.01	13.40	4.00	1.03	1.91
10.85	1.16	0.00	0.02	13.45	4.01	1.03	1.84
10.90	1.18	0.00	0.03	13.50	4.03	1.04	1.76
10.95	1.20	0.00	0.05	13.55	4.04	1.05	1.69
11.00	1.22	0.00	0.07	13.60	4.05	1.06	1.62
11.05	1.24	0.00	0.10	13.65	4.06	1.07	1.54
11.10	1.26	0.01	0.12	13.70	4.08	1.07	1.48
11.15	1.29	0.01	0.16	13.75	4.09	1.08	1.43
11.20	1.31	0.01	0.19	13.80	4.10	1.09	1.39
11.25	1.34	0.01	0.23	13.85	4.11	1.09	1.36
11.30	1.37	0.02	0.28	13.90	4.12	1.10	1.33
11.35	1.40	0.02	0.34	13.95	4.13	1.11	1.31
11.40	1.43	0.02	0.39	14.00	4.15	1.11	1.29
11.45	1.47	0.03	0.46	14.05	4.16	1.12	1.27
11.50	1.50	0.03	0.53	14.10	4.17	1.13	1.25
11.55	1.55	0.04	0.61	14.15	4.18	1.13	1.23
11.60	1.60	0.05	0.72	14.20	4.19	1.14	1.21
11.65	1.65	0.06	0.89	14.25	4.20	1.15	1.19
11.70	1.71	0.07	1.10	14.30	4.21	1.15	1.18
11.75	1.78	0.08	1.32	14.35	4.22	1.16	1.16
11.80	1.86	0.10	1.59	14.40	4.23	1.16	1.14
11.85	1.96	0.12	1.93	14.45	4.24	1.17	1.12
11.90	2.06	0.15	2.41	14.50	4.25	1.17	1.10
11.95	2.24	0.21	3.08	14.55	4.26	1.18	1.08
12.00	2.42	0.27	4.09	14.60	4.27	1.19	1.06
12.05	2.71	0.38	5.69	14.65	4.27	1.19	1.04
12.10	3.01	0.51	8.10	14.70	4.28	1.20	1.02
12.15	3.11	0.56	11.32	14.75	4.29	1.20	1.00
12.20	3.21	0.61	13.92	14.80	4.30	1.21	0.98
12.25	3.29	0.64	**14.38**	14.85	4.31	1.21	0.96
12.30	3.36	0.68	13.00	14.90	4.31	1.22	0.94
12.35	3.42	0.71	11.00	14.95	4.32	1.22	0.92
12.40	3.47	0.74	9.28	15.00	4.33	1.22	0.90
12.45	3.52	0.76	7.92	15.05	4.34	1.23	0.88
12.50	3.57	0.79	6.87	15.10	4.34	1.23	0.86
12.55	3.60	0.81	6.11	15.15	4.35	1.24	0.84
12.60	3.64	0.83	5.51	15.20	4.36	1.24	0.83
12.65	3.67	0.84	4.92	15.25	4.36	1.25	0.81
12.70	3.70	0.86	4.34	15.30	4.37	1.25	0.80
12.75	3.73	0.87	3.87	15.35	4.38	1.25	0.79
12.80	3.76	0.89	3.54	15.40	4.39	1.26	0.78
12.85	3.78	0.90	3.29	15.45	4.39	1.26	0.78
12.90	3.81	0.92	3.10	15.50	4.40	1.27	0.77
12.95	3.83	0.93	2.94	15.55	4.41	1.27	0.77

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	4.41	1.28	0.76	18.20	4.68	1.45	0.49
15.65	4.42	1.28	0.76	18.25	4.69	1.45	0.48
15.70	4.42	1.28	0.75	18.30	4.69	1.45	0.48
15.75	4.43	1.29	0.75	18.35	4.70	1.46	0.48
15.80	4.44	1.29	0.74	18.40	4.70	1.46	0.48
15.85	4.44	1.30	0.74	18.45	4.70	1.46	0.47
15.90	4.45	1.30	0.73	18.50	4.71	1.46	0.47
15.95	4.46	1.30	0.73	18.55	4.71	1.47	0.47
16.00	4.46	1.31	0.72	18.60	4.72	1.47	0.47
16.05	4.47	1.31	0.72	18.65	4.72	1.47	0.47
16.10	4.47	1.31	0.71	18.70	4.72	1.47	0.47
16.15	4.48	1.32	0.71	18.75	4.73	1.48	0.47
16.20	4.49	1.32	0.70	18.80	4.73	1.48	0.46
16.25	4.49	1.33	0.70	18.85	4.74	1.48	0.46
16.30	4.50	1.33	0.69	18.90	4.74	1.48	0.46
16.35	4.50	1.33	0.69	18.95	4.74	1.49	0.46
16.40	4.51	1.34	0.68	19.00	4.75	1.49	0.46
16.45	4.52	1.34	0.68	19.05	4.75	1.49	0.46
16.50	4.52	1.34	0.67	19.10	4.76	1.49	0.46
16.55	4.53	1.35	0.67	19.15	4.76	1.50	0.46
16.60	4.53	1.35	0.66	19.20	4.76	1.50	0.45
16.65	4.54	1.35	0.65	19.25	4.77	1.50	0.45
16.70	4.54	1.36	0.65	19.30	4.77	1.50	0.45
16.75	4.55	1.36	0.64	19.35	4.77	1.51	0.45
16.80	4.55	1.36	0.64	19.40	4.78	1.51	0.45
16.85	4.56	1.37	0.63	19.45	4.78	1.51	0.45
16.90	4.57	1.37	0.63	19.50	4.79	1.51	0.45
16.95	4.57	1.37	0.62	19.55	4.79	1.51	0.44
17.00	4.58	1.38	0.62	19.60	4.79	1.52	0.44
17.05	4.58	1.38	0.61	19.65	4.80	1.52	0.44
17.10	4.59	1.38	0.61	19.70	4.80	1.52	0.44
17.15	4.59	1.39	0.60	19.75	4.80	1.52	0.44
17.20	4.60	1.39	0.60	19.80	4.81	1.53	0.44
17.25	4.60	1.39	0.59	19.85	4.81	1.53	0.44
17.30	4.61	1.40	0.59	19.90	4.81	1.53	0.44
17.35	4.61	1.40	0.58	19.95	4.82	1.53	0.44
17.40	4.61	1.40	0.57	20.00	4.82	1.54	0.43
17.45	4.62	1.41	0.57	20.05	4.83	1.54	0.43
17.50	4.62	1.41	0.56	20.10	4.83	1.54	0.43
17.55	4.63	1.41	0.56	20.15	4.83	1.54	0.43
17.60	4.63	1.41	0.55	20.20	4.84	1.55	0.43
17.65	4.64	1.42	0.55	20.25	4.84	1.55	0.43
17.70	4.64	1.42	0.54	20.30	4.84	1.55	0.43
17.75	4.65	1.42	0.54	20.35	4.85	1.55	0.42
17.80	4.65	1.43	0.53	20.40	4.85	1.55	0.42
17.85	4.66	1.43	0.52	20.45	4.85	1.56	0.42
17.90	4.66	1.43	0.52	20.50	4.86	1.56	0.42
17.95	4.66	1.43	0.51	20.55	4.86	1.56	0.42
18.00	4.67	1.44	0.51	20.60	4.86	1.56	0.42
18.05	4.67	1.44	0.50	20.65	4.87	1.57	0.42
18.10	4.68	1.44	0.50	20.70	4.87	1.57	0.42
18.15	4.68	1.44	0.49	20.75	4.87	1.57	0.41

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	4.88	1.57	0.41	23.40	5.04	1.68	0.34
20.85	4.88	1.57	0.41	23.45	5.04	1.68	0.34
20.90	4.88	1.58	0.41	23.50	5.04	1.68	0.34
20.95	4.89	1.58	0.41	23.55	5.04	1.68	0.34
21.00	4.89	1.58	0.41	23.60	5.05	1.69	0.33
21.05	4.89	1.58	0.41	23.65	5.05	1.69	0.33
21.10	4.90	1.59	0.40	23.70	5.05	1.69	0.33
21.15	4.90	1.59	0.40	23.75	5.06	1.69	0.33
21.20	4.90	1.59	0.40	23.80	5.06	1.69	0.33
21.25	4.91	1.59	0.40	23.85	5.06	1.69	0.33
21.30	4.91	1.59	0.40	23.90	5.06	1.70	0.33
21.35	4.91	1.60	0.40	23.95	5.07	1.70	0.32
21.40	4.92	1.60	0.40	24.00	**5.07**	**1.70**	0.33
21.45	4.92	1.60	0.40	24.05	5.07	1.70	0.34
21.50	4.92	1.60	0.39	24.10	5.07	1.70	0.32
21.55	4.93	1.61	0.39	24.15	5.07	1.70	0.27
21.60	4.93	1.61	0.39	24.20	5.07	1.70	0.19
21.65	4.93	1.61	0.39	24.25	5.07	1.70	0.11
21.70	4.94	1.61	0.39	24.30	5.07	1.70	0.07
21.75	4.94	1.61	0.39	24.35	5.07	1.70	0.04
21.80	4.94	1.62	0.38	24.40	5.07	1.70	0.02
21.85	4.95	1.62	0.38	24.45	5.07	1.70	0.01
21.90	4.95	1.62	0.38	24.50	5.07	1.70	0.01
21.95	4.95	1.62	0.38	24.55	5.07	1.70	0.00
22.00	4.96	1.62	0.38	24.60	5.07	1.70	0.00
22.05	4.96	1.63	0.38	24.65	5.07	1.70	0.00
22.10	4.96	1.63	0.38	24.70	5.07	1.70	0.00
22.15	4.96	1.63	0.37	24.75	5.07	1.70	0.00
22.20	4.97	1.63	0.37	24.80	5.07	1.70	0.00
22.25	4.97	1.63	0.37	24.85	5.07	1.70	0.00
22.30	4.97	1.64	0.37	24.90	5.07	1.70	0.00
22.35	4.98	1.64	0.37	24.95	5.07	1.70	0.00
22.40	4.98	1.64	0.37	25.00	5.07	1.70	0.00
22.45	4.98	1.64	0.37	25.05	5.07	1.70	0.00
22.50	4.99	1.64	0.37	25.10	5.07	1.70	0.00
22.55	4.99	1.65	0.36	25.15	5.07	1.70	0.00
22.60	4.99	1.65	0.36	25.20	5.07	1.70	0.00
22.65	4.99	1.65	0.36	25.25	5.07	1.70	0.00
22.70	5.00	1.65	0.36	25.30	5.07	1.70	0.00
22.75	5.00	1.65	0.36	25.35	5.07	1.70	0.00
22.80	5.00	1.66	0.36	25.40	5.07	1.70	0.00
22.85	5.01	1.66	0.36	25.45	5.07	1.70	0.00
22.90	5.01	1.66	0.35	25.50	5.07	1.70	0.00
22.95	5.01	1.66	0.35	25.55	5.07	1.70	0.00
23.00	5.01	1.66	0.35	25.60	5.07	1.70	0.00
23.05	5.02	1.67	0.35	25.65	5.07	1.70	0.00
23.10	5.02	1.67	0.35	25.70	5.07	1.70	0.00
23.15	5.02	1.67	0.35	25.75	5.07	1.70	0.00
23.20	5.03	1.67	0.35	25.80	5.07	1.70	0.00
23.25	5.03	1.67	0.34	25.85	5.07	1.70	0.00
23.30	5.03	1.67	0.34	25.90	5.07	1.70	0.00
23.35	5.03	1.68	0.34	25.95	5.07	1.70	0.00

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.07	1.70	0.00	28.60	5.07	1.70	0.00
26.05	5.07	1.70	0.00	28.65	5.07	1.70	0.00
26.10	5.07	1.70	0.00	28.70	5.07	1.70	0.00
26.15	5.07	1.70	0.00	28.75	5.07	1.70	0.00
26.20	5.07	1.70	0.00	28.80	5.07	1.70	0.00
26.25	5.07	1.70	0.00	28.85	5.07	1.70	0.00
26.30	5.07	1.70	0.00	28.90	5.07	1.70	0.00
26.35	5.07	1.70	0.00	28.95	5.07	1.70	0.00
26.40	5.07	1.70	0.00	29.00	5.07	1.70	0.00
26.45	5.07	1.70	0.00	29.05	5.07	1.70	0.00
26.50	5.07	1.70	0.00	29.10	5.07	1.70	0.00
26.55	5.07	1.70	0.00	29.15	5.07	1.70	0.00
26.60	5.07	1.70	0.00	29.20	5.07	1.70	0.00
26.65	5.07	1.70	0.00	29.25	5.07	1.70	0.00
26.70	5.07	1.70	0.00	29.30	5.07	1.70	0.00
26.75	5.07	1.70	0.00	29.35	5.07	1.70	0.00
26.80	5.07	1.70	0.00	29.40	5.07	1.70	0.00
26.85	5.07	1.70	0.00	29.45	5.07	1.70	0.00
26.90	5.07	1.70	0.00	29.50	5.07	1.70	0.00
26.95	5.07	1.70	0.00	29.55	5.07	1.70	0.00
27.00	5.07	1.70	0.00	29.60	5.07	1.70	0.00
27.05	5.07	1.70	0.00	29.65	5.07	1.70	0.00
27.10	5.07	1.70	0.00	29.70	5.07	1.70	0.00
27.15	5.07	1.70	0.00	29.75	5.07	1.70	0.00
27.20	5.07	1.70	0.00	29.80	5.07	1.70	0.00
27.25	5.07	1.70	0.00	29.85	5.07	1.70	0.00
27.30	5.07	1.70	0.00	29.90	5.07	1.70	0.00
27.35	5.07	1.70	0.00	29.95	5.07	1.70	0.00
27.40	5.07	1.70	0.00	30.00	5.07	1.70	0.00
27.45	5.07	1.70	0.00	30.05	5.07	1.70	0.00
27.50	5.07	1.70	0.00	30.10	5.07	1.70	0.00
27.55	5.07	1.70	0.00	30.15	5.07	1.70	0.00
27.60	5.07	1.70	0.00	30.20	5.07	1.70	0.00
27.65	5.07	1.70	0.00	30.25	5.07	1.70	0.00
27.70	5.07	1.70	0.00	30.30	5.07	1.70	0.00
27.75	5.07	1.70	0.00	30.35	5.07	1.70	0.00
27.80	5.07	1.70	0.00	30.40	5.07	1.70	0.00
27.85	5.07	1.70	0.00	30.45	5.07	1.70	0.00
27.90	5.07	1.70	0.00	30.50	5.07	1.70	0.00
27.95	5.07	1.70	0.00	30.55	5.07	1.70	0.00
28.00	5.07	1.70	0.00	30.60	5.07	1.70	0.00
28.05	5.07	1.70	0.00	30.65	5.07	1.70	0.00
28.10	5.07	1.70	0.00	30.70	5.07	1.70	0.00
28.15	5.07	1.70	0.00	30.75	5.07	1.70	0.00
28.20	5.07	1.70	0.00	30.80	5.07	1.70	0.00
28.25	5.07	1.70	0.00	30.85	5.07	1.70	0.00
28.30	5.07	1.70	0.00	30.90	5.07	1.70	0.00
28.35	5.07	1.70	0.00	30.95	5.07	1.70	0.00
28.40	5.07	1.70	0.00	31.00	5.07	1.70	0.00
28.45	5.07	1.70	0.00	31.05	5.07	1.70	0.00
28.50	5.07	1.70	0.00	31.10	5.07	1.70	0.00
28.55	5.07	1.70	0.00	31.15	5.07	1.70	0.00

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.07	1.70	0.00	33.80	5.07	1.70	0.00
31.25	5.07	1.70	0.00	33.85	5.07	1.70	0.00
31.30	5.07	1.70	0.00	33.90	5.07	1.70	0.00
31.35	5.07	1.70	0.00	33.95	5.07	1.70	0.00
31.40	5.07	1.70	0.00	34.00	5.07	1.70	0.00
31.45	5.07	1.70	0.00	34.05	5.07	1.70	0.00
31.50	5.07	1.70	0.00	34.10	5.07	1.70	0.00
31.55	5.07	1.70	0.00	34.15	5.07	1.70	0.00
31.60	5.07	1.70	0.00	34.20	5.07	1.70	0.00
31.65	5.07	1.70	0.00	34.25	5.07	1.70	0.00
31.70	5.07	1.70	0.00	34.30	5.07	1.70	0.00
31.75	5.07	1.70	0.00	34.35	5.07	1.70	0.00
31.80	5.07	1.70	0.00	34.40	5.07	1.70	0.00
31.85	5.07	1.70	0.00	34.45	5.07	1.70	0.00
31.90	5.07	1.70	0.00	34.50	5.07	1.70	0.00
31.95	5.07	1.70	0.00	34.55	5.07	1.70	0.00
32.00	5.07	1.70	0.00	34.60	5.07	1.70	0.00
32.05	5.07	1.70	0.00	34.65	5.07	1.70	0.00
32.10	5.07	1.70	0.00	34.70	5.07	1.70	0.00
32.15	5.07	1.70	0.00	34.75	5.07	1.70	0.00
32.20	5.07	1.70	0.00	34.80	5.07	1.70	0.00
32.25	5.07	1.70	0.00	34.85	5.07	1.70	0.00
32.30	5.07	1.70	0.00	34.90	5.07	1.70	0.00
32.35	5.07	1.70	0.00	34.95	5.07	1.70	0.00
32.40	5.07	1.70	0.00	35.00	5.07	1.70	0.00
32.45	5.07	1.70	0.00	35.05	5.07	1.70	0.00
32.50	5.07	1.70	0.00	35.10	5.07	1.70	0.00
32.55	5.07	1.70	0.00	35.15	5.07	1.70	0.00
32.60	5.07	1.70	0.00	35.20	5.07	1.70	0.00
32.65	5.07	1.70	0.00	35.25	5.07	1.70	0.00
32.70	5.07	1.70	0.00	35.30	5.07	1.70	0.00
32.75	5.07	1.70	0.00	35.35	5.07	1.70	0.00
32.80	5.07	1.70	0.00	35.40	5.07	1.70	0.00
32.85	5.07	1.70	0.00	35.45	5.07	1.70	0.00
32.90	5.07	1.70	0.00	35.50	5.07	1.70	0.00
32.95	5.07	1.70	0.00	35.55	5.07	1.70	0.00
33.00	5.07	1.70	0.00	35.60	5.07	1.70	0.00
33.05	5.07	1.70	0.00	35.65	5.07	1.70	0.00
33.10	5.07	1.70	0.00	35.70	5.07	1.70	0.00
33.15	5.07	1.70	0.00	35.75	5.07	1.70	0.00
33.20	5.07	1.70	0.00	35.80	5.07	1.70	0.00
33.25	5.07	1.70	0.00	35.85	5.07	1.70	0.00
33.30	5.07	1.70	0.00	35.90	5.07	1.70	0.00
33.35	5.07	1.70	0.00	35.95	5.07	1.70	0.00
33.40	5.07	1.70	0.00	36.00	5.07	1.70	0.00
33.45	5.07	1.70	0.00	36.05	5.07	1.70	0.00
33.50	5.07	1.70	0.00	36.10	5.07	1.70	0.00
33.55	5.07	1.70	0.00	36.15	5.07	1.70	0.00
33.60	5.07	1.70	0.00	36.20	5.07	1.70	0.00
33.65	5.07	1.70	0.00	36.25	5.07	1.70	0.00
33.70	5.07	1.70	0.00	36.30	5.07	1.70	0.00
33.75	5.07	1.70	0.00	36.35	5.07	1.70	0.00

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.07	1.70	0.00
36.45	5.07	1.70	0.00
36.50	5.07	1.70	0.00
36.55	5.07	1.70	0.00
36.60	5.07	1.70	0.00
36.65	5.07	1.70	0.00
36.70	5.07	1.70	0.00
36.75	5.07	1.70	0.00
36.80	5.07	1.70	0.00
36.85	5.07	1.70	0.00
36.90	5.07	1.70	0.00
36.95	5.07	1.70	0.00
37.00	5.07	1.70	0.00
37.05	5.07	1.70	0.00
37.10	5.07	1.70	0.00
37.15	5.07	1.70	0.00
37.20	5.07	1.70	0.00
37.25	5.07	1.70	0.00
37.30	5.07	1.70	0.00
37.35	5.07	1.70	0.00
37.40	5.07	1.70	0.00
37.45	5.07	1.70	0.00
37.50	5.07	1.70	0.00
37.55	5.07	1.70	0.00
37.60	5.07	1.70	0.00
37.65	5.07	1.70	0.00
37.70	5.07	1.70	0.00
37.75	5.07	1.70	0.00
37.80	5.07	1.70	0.00
37.85	5.07	1.70	0.00
37.90	5.07	1.70	0.00
37.95	5.07	1.70	0.00
38.00	5.07	1.70	0.00
38.05	5.07	1.70	0.00
38.10	5.07	1.70	0.00
38.15	5.07	1.70	0.00
38.20	5.07	1.70	0.00
38.25	5.07	1.70	0.00
38.30	5.07	1.70	0.00
38.35	5.07	1.70	0.00
38.40	5.07	1.70	0.00
38.45	5.07	1.70	0.00
38.50	5.07	1.70	0.00
38.55	5.07	1.70	0.00
38.60	5.07	1.70	0.00
38.65	5.07	1.70	0.00
38.70	5.07	1.70	0.00
38.75	5.07	1.70	0.00
38.80	5.07	1.70	0.00
38.85	5.07	1.70	0.00
38.90	5.07	1.70	0.00
38.95	5.07	1.70	0.00
39.00	5.07	1.70	0.00
39.05	5.07	1.70	0.00
39.10	5.07	1.70	0.00
39.15	5.07	1.70	0.00
39.20	5.07	1.70	0.00
39.25	5.07	1.70	0.00
39.30	5.07	1.70	0.00
39.35	5.07	1.70	0.00
39.40	5.07	1.70	0.00
39.45	5.07	1.70	0.00
39.50	5.07	1.70	0.00
39.55	5.07	1.70	0.00
39.60	5.07	1.70	0.00
39.65	5.07	1.70	0.00
39.70	5.07	1.70	0.00
39.75	5.07	1.70	0.00
39.80	5.07	1.70	0.00
39.85	5.07	1.70	0.00
39.90	5.07	1.70	0.00
39.95	5.07	1.70	0.00
40.00	5.07	1.70	0.00

Summary for Pond B-51: Basin #51

Inflow Area = 11.027 ac, 43.68% Impervious, Inflow Depth > 2.97" for Current 10 yr event
Inflow = 20.56 cfs @ 12.17 hrs, Volume= 2.727 af
Outflow = 10.27 cfs @ 12.61 hrs, Volume= 2.692 af, Atten= 50%, Lag= 26.2 min
Primary = 10.27 cfs @ 12.61 hrs, Volume= 2.692 af
Routed to Link PDA-6ON : Proposed Onsite Drainage Area #6

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 185.43' @ 12.61 hrs Surf.Area= 16,548 sf Storage= 23,695 cf

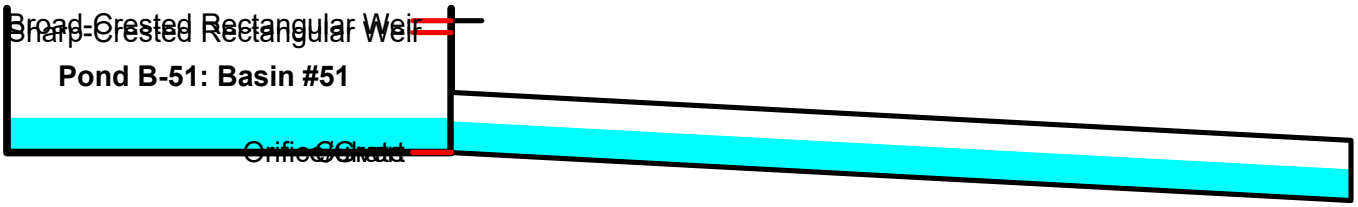
Plug-Flow detention time= 76.0 min calculated for 2.692 af (99% of inflow)
Center-of-Mass det. time= 60.2 min (993.1 - 933.0)

Volume	Invert	Avail.Storage	Storage Description
#1	184.00'	99,288 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

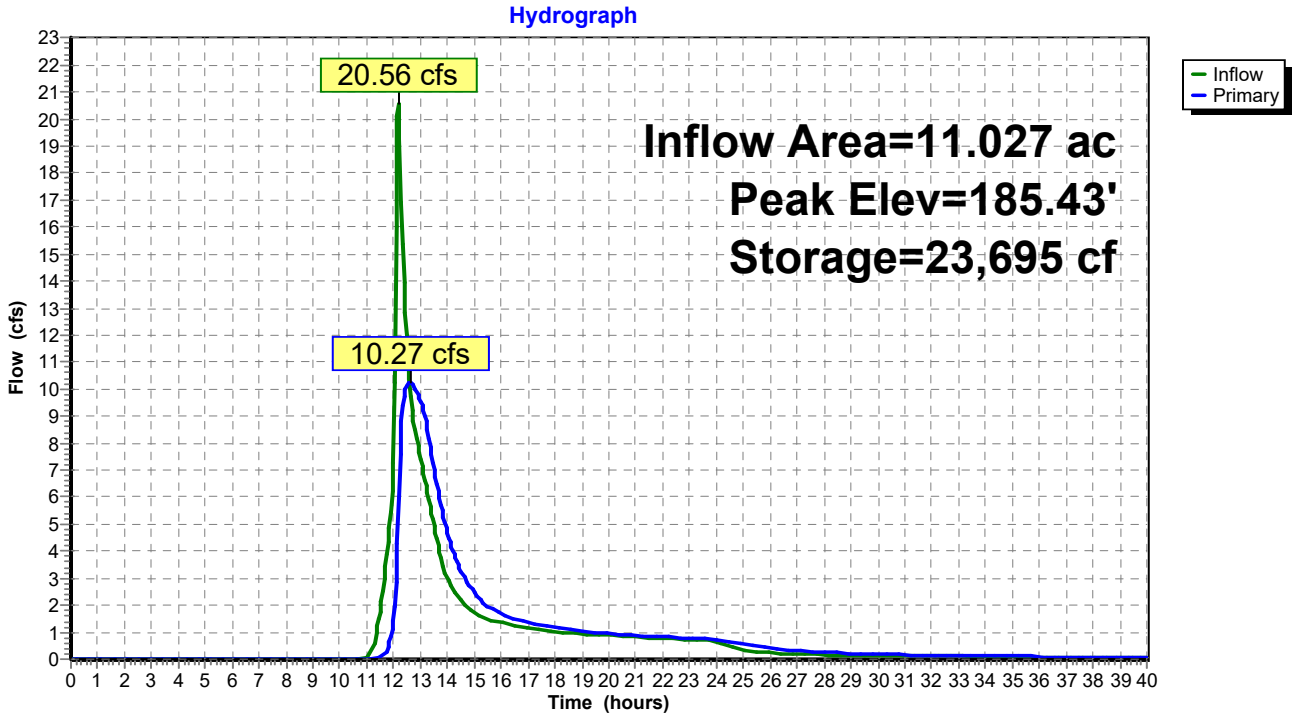
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
184.00	16,548	0	0
185.00	16,548	16,548	16,548
186.00	16,548	16,548	33,096
187.00	16,548	16,548	49,644
188.00	16,548	16,548	66,192
189.00	16,548	16,548	82,740
190.00	16,548	16,548	99,288

Device	Routing	Invert	Outlet Devices
#1	Primary	184.00'	**30.0" Round Culvert** L= 147.0' Ke= 0.500 Inlet / Outlet Invert= 184.00' / 182.00' S= 0.0136 '/' Cc= 0.900 n= 0.013, Flow Area= 4.91 sf
#2	Device 1	184.01'	**27.0" W x 12.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	189.00'	**8.0' long Sharp-Crested Rectangular Weir** 0 End Contraction(s)
#4	Primary	189.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=10.26 cfs @ 12.61 hrs HW=185.43' (Free Discharge)
- **1=Culvert** (Passes 10.26 cfs of 11.84 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 10.26 cfs @ 4.56 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-51: Basin #51



Hydrograph for Pond B-51: Basin #51

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	184.00	0.00
0.10	0.00	0	184.00	0.00
0.20	0.00	0	184.00	0.00
0.30	0.00	0	184.00	0.00
0.40	0.00	0	184.00	0.00
0.50	0.00	0	184.00	0.00
0.60	0.00	0	184.00	0.00
0.70	0.00	0	184.00	0.00
0.80	0.00	0	184.00	0.00
0.90	0.00	0	184.00	0.00
1.00	0.00	0	184.00	0.00
1.10	0.00	0	184.00	0.00
1.20	0.00	0	184.00	0.00
1.30	0.00	0	184.00	0.00
1.40	0.00	0	184.00	0.00
1.50	0.00	0	184.00	0.00
1.60	0.00	0	184.00	0.00
1.70	0.00	0	184.00	0.00
1.80	0.00	0	184.00	0.00
1.90	0.00	0	184.00	0.00
2.00	0.00	0	184.00	0.00
2.10	0.00	0	184.00	0.00
2.20	0.00	0	184.00	0.00
2.30	0.00	0	184.00	0.00
2.40	0.00	0	184.00	0.00
2.50	0.00	0	184.00	0.00
2.60	0.00	0	184.00	0.00
2.70	0.00	0	184.00	0.00
2.80	0.00	0	184.00	0.00
2.90	0.00	0	184.00	0.00
3.00	0.00	0	184.00	0.00
3.10	0.00	0	184.00	0.00
3.20	0.00	0	184.00	0.00
3.30	0.00	0	184.00	0.00
3.40	0.00	0	184.00	0.00
3.50	0.00	0	184.00	0.00
3.60	0.00	0	184.00	0.00
3.70	0.00	0	184.00	0.00
3.80	0.00	0	184.00	0.00
3.90	0.00	0	184.00	0.00
4.00	0.00	0	184.00	0.00
4.10	0.00	0	184.00	0.00
4.20	0.00	0	184.00	0.00
4.30	0.00	0	184.00	0.00
4.40	0.00	0	184.00	0.00
4.50	0.00	0	184.00	0.00
4.60	0.00	0	184.00	0.00
4.70	0.00	0	184.00	0.00
4.80	0.00	0	184.00	0.00
4.90	0.00	0	184.00	0.00
5.00	0.00	0	184.00	0.00
5.10	0.00	0	184.00	0.00

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	0	184.00	0.00
5.30	0.00	0	184.00	0.00
5.40	0.00	0	184.00	0.00
5.50	0.00	0	184.00	0.00
5.60	0.00	0	184.00	0.00
5.70	0.00	0	184.00	0.00
5.80	0.00	0	184.00	0.00
5.90	0.00	0	184.00	0.00
6.00	0.00	0	184.00	0.00
6.10	0.00	0	184.00	0.00
6.20	0.00	0	184.00	0.00
6.30	0.00	0	184.00	0.00
6.40	0.00	0	184.00	0.00
6.50	0.00	0	184.00	0.00
6.60	0.00	0	184.00	0.00
6.70	0.00	0	184.00	0.00
6.80	0.00	0	184.00	0.00
6.90	0.00	0	184.00	0.00
7.00	0.00	0	184.00	0.00
7.10	0.00	0	184.00	0.00
7.20	0.00	0	184.00	0.00
7.30	0.00	0	184.00	0.00
7.40	0.00	0	184.00	0.00
7.50	0.00	0	184.00	0.00
7.60	0.00	0	184.00	0.00
7.70	0.00	0	184.00	0.00
7.80	0.00	0	184.00	0.00
7.90	0.00	0	184.00	0.00
8.00	0.00	0	184.00	0.00
8.10	0.00	0	184.00	0.00
8.20	0.00	0	184.00	0.00
8.30	0.00	0	184.00	0.00
8.40	0.00	0	184.00	0.00
8.50	0.00	0	184.00	0.00
8.60	0.00	0	184.00	0.00
8.70	0.00	0	184.00	0.00
8.80	0.00	0	184.00	0.00
8.90	0.00	0	184.00	0.00
9.00	0.00	0	184.00	0.00
9.10	0.00	1	184.00	0.00
9.20	0.00	2	184.00	0.00
9.30	0.00	3	184.00	0.00
9.40	0.01	5	184.00	0.00
9.50	0.01	7	184.00	0.00
9.60	0.01	9	184.00	0.00
9.70	0.01	12	184.00	0.00
9.80	0.01	16	184.00	0.00
9.90	0.01	21	184.00	0.00
10.00	0.02	26	184.00	0.00
10.10	0.02	31	184.00	0.00
10.20	0.02	38	184.00	0.00
10.30	0.02	45	184.00	0.00

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.02	54	184.00	0.00
10.50	0.03	63	184.00	0.00
10.60	0.03	73	184.00	0.00
10.70	0.04	85	184.01	0.00
10.80	0.04	100	184.01	0.00
10.90	0.05	116	184.01	0.00
11.00	0.06	136	184.01	0.00
11.10	0.07	158	184.01	0.00
11.20	0.27	211	184.01	0.00
11.30	0.69	378	184.02	0.01
11.40	1.21	716	184.04	0.02
11.50	1.77	1,244	184.08	0.04
11.60	2.55	1,988	184.12	0.10
11.70	3.43	3,009	184.18	0.23
11.80	4.33	4,280	184.26	0.47
11.90	5.44	5,799	184.35	0.85
12.00	7.24	7,652	184.46	1.45
12.10	**16.05**	10,862	184.66	2.84
12.20	**19.98**	16,159	184.98	5.98
12.30	16.90	20,113	185.22	8.82
12.40	13.95	22,291	185.35	9.75
12.50	11.98	23,345	185.41	10.14
12.60	10.38	**23,692**	**185.43**	**10.26**
12.70	9.21	23,516	185.42	10.20
12.80	8.48	23,054	185.39	10.03
12.90	7.91	22,429	185.36	9.80
13.00	7.41	21,706	185.31	9.53
13.10	6.90	20,907	185.26	9.21
13.20	6.39	20,056	185.21	8.79
13.30	5.89	19,207	185.16	8.19
13.40	5.41	18,404	185.11	7.58
13.50	4.93	17,637	185.07	7.02
13.60	4.45	16,894	185.02	6.48
13.70	3.95	16,162	184.98	5.98
13.80	3.55	15,446	184.93	5.50
13.90	3.23	14,765	184.89	5.06
14.00	2.99	14,134	184.85	4.66
14.10	2.78	13,557	184.82	4.32
14.20	2.61	13,031	184.79	4.01
14.30	2.46	12,551	184.76	3.73
14.40	2.32	12,112	184.73	3.49
14.50	2.21	11,710	184.71	3.27
14.60	2.09	11,339	184.69	3.08
14.70	1.98	10,994	184.66	2.90
14.80	1.89	10,674	184.65	2.75
14.90	1.81	10,376	184.63	2.60
15.00	1.73	10,098	184.61	2.47
15.10	1.65	9,840	184.59	2.35
15.20	1.59	9,597	184.58	2.24
15.30	1.54	9,371	184.57	2.14
15.40	1.50	9,162	184.55	2.05
15.50	1.46	8,971	184.54	1.97

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	1.43	8,796	184.53	1.90
15.70	1.41	8,637	184.52	1.83
15.80	1.38	8,490	184.51	1.77
15.90	1.36	8,356	184.50	1.72
16.00	1.34	8,233	184.50	1.67
16.10	1.33	8,121	184.49	1.63
16.20	1.31	8,017	184.48	1.58
16.30	1.29	7,922	184.48	1.55
16.40	1.28	7,832	184.47	1.52
16.50	1.26	7,748	184.47	1.49
16.60	1.24	7,669	184.46	1.46
16.70	1.23	7,594	184.46	1.43
16.80	1.21	7,523	184.45	1.40
16.90	1.20	7,455	184.45	1.38
17.00	1.18	7,390	184.45	1.36
17.10	1.17	7,328	184.44	1.34
17.20	1.15	7,268	184.44	1.31
17.30	1.13	7,210	184.44	1.29
17.40	1.12	7,154	184.43	1.27
17.50	1.10	7,099	184.43	1.25
17.60	1.09	7,046	184.43	1.23
17.70	1.07	6,995	184.42	1.22
17.80	1.06	6,944	184.42	1.20
17.90	1.05	6,895	184.42	1.18
18.00	1.03	6,846	184.41	1.17
18.10	1.02	6,797	184.41	1.15
18.20	1.00	6,749	184.41	1.14
18.30	0.99	6,702	184.40	1.12
18.40	0.98	6,656	184.40	1.11
18.50	0.97	6,612	184.40	1.09
18.60	0.97	6,569	184.40	1.08
18.70	0.96	6,529	184.39	1.07
18.80	0.95	6,490	184.39	1.06
18.90	0.94	6,453	184.39	1.04
19.00	0.94	6,417	184.39	1.03
19.10	0.93	6,383	184.39	1.02
19.20	0.92	6,351	184.38	1.01
19.30	0.92	6,320	184.38	1.00
19.40	0.91	6,291	184.38	0.99
19.50	0.91	6,263	184.38	0.98
19.60	0.90	6,235	184.38	0.98
19.70	0.90	6,209	184.38	0.97
19.80	0.89	6,185	184.37	0.96
19.90	0.89	6,161	184.37	0.95
20.00	0.88	6,138	184.37	0.95
20.10	0.88	6,115	184.37	0.94
20.20	0.87	6,093	184.37	0.93
20.30	0.87	6,072	184.37	0.92
20.40	0.86	6,052	184.37	0.92
20.50	0.86	6,031	184.36	0.91
20.60	0.85	6,012	184.36	0.91
20.70	0.85	5,993	184.36	0.90

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.84	5,974	184.36	0.89
20.90	0.84	5,955	184.36	0.89
21.00	0.83	5,937	184.36	0.88
21.10	0.83	5,918	184.36	0.88
21.20	0.82	5,900	184.36	0.87
21.30	0.82	5,881	184.36	0.87
21.40	0.81	5,863	184.35	0.86
21.50	0.81	5,845	184.35	0.86
21.60	0.80	5,826	184.35	0.85
21.70	0.80	5,808	184.35	0.85
21.80	0.79	5,789	184.35	0.84
21.90	0.79	5,771	184.35	0.84
22.00	0.78	5,752	184.35	0.83
22.10	0.78	5,734	184.35	0.83
22.20	0.77	5,715	184.35	0.82
22.30	0.77	5,697	184.34	0.82
22.40	0.76	5,678	184.34	0.81
22.50	0.76	5,660	184.34	0.81
22.60	0.75	5,641	184.34	0.80
22.70	0.75	5,622	184.34	0.80
22.80	0.74	5,604	184.34	0.79
22.90	0.74	5,585	184.34	0.79
23.00	0.73	5,566	184.34	0.78
23.10	0.73	5,548	184.34	0.78
23.20	0.72	5,529	184.33	0.77
23.30	0.72	5,510	184.33	0.77
23.40	0.71	5,491	184.33	0.76
23.50	0.71	5,473	184.33	0.76
23.60	0.70	5,454	184.33	0.75
23.70	0.70	5,435	184.33	0.75
23.80	0.69	5,416	184.33	0.74
23.90	0.69	5,397	184.33	0.74
24.00	0.69	5,380	184.33	0.73
24.10	0.65	5,360	184.32	0.73
24.20	0.57	5,319	184.32	0.72
24.30	0.53	5,261	184.32	0.70
24.40	0.50	5,196	184.31	0.68
24.50	0.47	5,126	184.31	0.67
24.60	0.44	5,052	184.31	0.65
24.70	0.41	4,977	184.30	0.63
24.80	0.39	4,900	184.30	0.61
24.90	0.37	4,822	184.29	0.59
25.00	0.36	4,744	184.29	0.57
25.10	0.34	4,666	184.28	0.56
25.20	0.33	4,588	184.28	0.54
25.30	0.31	4,512	184.27	0.52
25.40	0.30	4,438	184.27	0.50
25.50	0.29	4,365	184.26	0.49
25.60	0.28	4,294	184.26	0.47
25.70	0.27	4,226	184.26	0.46
25.80	0.26	4,160	184.25	0.44
25.90	0.26	4,097	184.25	0.43

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.25	4,037	184.24	0.42
26.10	0.24	3,978	184.24	0.40
26.20	0.24	3,922	184.24	0.39
26.30	0.23	3,867	184.23	0.38
26.40	0.23	3,814	184.23	0.37
26.50	0.22	3,761	184.23	0.36
26.60	0.22	3,711	184.22	0.36
26.70	0.21	3,661	184.22	0.35
26.80	0.21	3,613	184.22	0.34
26.90	0.20	3,566	184.22	0.33
27.00	0.20	3,520	184.21	0.32
27.10	0.19	3,476	184.21	0.31
27.20	0.19	3,433	184.21	0.31
27.30	0.19	3,391	184.20	0.30
27.40	0.18	3,351	184.20	0.29
27.50	0.18	3,312	184.20	0.29
27.60	0.18	3,274	184.20	0.28
27.70	0.17	3,238	184.20	0.27
27.80	0.17	3,203	184.19	0.27
27.90	0.17	3,169	184.19	0.26
28.00	0.17	3,136	184.19	0.26
28.10	0.16	3,105	184.19	0.25
28.20	0.16	3,074	184.19	0.24
28.30	0.16	3,045	184.18	0.24
28.40	0.16	3,017	184.18	0.23
28.50	0.16	2,989	184.18	0.23
28.60	0.15	2,963	184.18	0.23
28.70	0.15	2,937	184.18	0.22
28.80	0.15	2,912	184.18	0.22
28.90	0.15	2,887	184.17	0.22
29.00	0.15	2,863	184.17	0.21
29.10	0.14	2,840	184.17	0.21
29.20	0.14	2,817	184.17	0.21
29.30	0.14	2,794	184.17	0.20
29.40	0.14	2,772	184.17	0.20
29.50	0.14	2,750	184.17	0.20
29.60	0.14	2,729	184.16	0.20
29.70	0.14	2,708	184.16	0.19
29.80	0.13	2,688	184.16	0.19
29.90	0.13	2,668	184.16	0.19
30.00	0.13	2,648	184.16	0.19
30.10	0.13	2,629	184.16	0.18
30.20	0.13	2,611	184.16	0.18
30.30	0.13	2,592	184.16	0.18
30.40	0.13	2,574	184.16	0.18
30.50	0.13	2,557	184.15	0.17
30.60	0.12	2,540	184.15	0.17
30.70	0.12	2,523	184.15	0.17
30.80	0.12	2,506	184.15	0.17
30.90	0.12	2,490	184.15	0.17
31.00	0.12	2,474	184.15	0.16
31.10	0.12	2,458	184.15	0.16

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.12	2,443	184.15	0.16
31.30	0.12	2,428	184.15	0.16
31.40	0.12	2,413	184.15	0.16
31.50	0.11	2,399	184.14	0.15
31.60	0.11	2,385	184.14	0.15
31.70	0.11	2,371	184.14	0.15
31.80	0.11	2,357	184.14	0.15
31.90	0.11	2,343	184.14	0.15
32.00	0.11	2,330	184.14	0.15
32.10	0.11	2,317	184.14	0.14
32.20	0.11	2,304	184.14	0.14
32.30	0.11	2,292	184.14	0.14
32.40	0.11	2,279	184.14	0.14
32.50	0.10	2,267	184.14	0.14
32.60	0.10	2,255	184.14	0.14
32.70	0.10	2,244	184.14	0.13
32.80	0.10	2,232	184.13	0.13
32.90	0.10	2,221	184.13	0.13
33.00	0.10	2,210	184.13	0.13
33.10	0.10	2,199	184.13	0.13
33.20	0.10	2,188	184.13	0.13
33.30	0.10	2,177	184.13	0.13
33.40	0.10	2,166	184.13	0.12
33.50	0.09	2,156	184.13	0.12
33.60	0.09	2,145	184.13	0.12
33.70	0.09	2,135	184.13	0.12
33.80	0.09	2,125	184.13	0.12
33.90	0.09	2,115	184.13	0.12
34.00	0.09	2,105	184.13	0.12
34.10	0.09	2,096	184.13	0.12
34.20	0.09	2,086	184.13	0.11
34.30	0.09	2,076	184.13	0.11
34.40	0.09	2,067	184.12	0.11
34.50	0.09	2,057	184.12	0.11
34.60	0.08	2,048	184.12	0.11
34.70	0.08	2,039	184.12	0.11
34.80	0.08	2,030	184.12	0.11
34.90	0.08	2,021	184.12	0.11
35.00	0.08	2,012	184.12	0.11
35.10	0.08	2,003	184.12	0.10
35.20	0.08	1,994	184.12	0.10
35.30	0.08	1,985	184.12	0.10
35.40	0.08	1,976	184.12	0.10
35.50	0.08	1,967	184.12	0.10
35.60	0.07	1,958	184.12	0.10
35.70	0.07	1,949	184.12	0.10
35.80	0.07	1,940	184.12	0.10
35.90	0.07	1,931	184.12	0.10
36.00	0.07	1,922	184.12	0.10
36.10	0.07	1,912	184.12	0.10
36.20	0.07	1,903	184.11	0.10
36.30	0.07	1,893	184.11	0.09

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.07	1,884	184.11	0.09
36.50	0.07	1,874	184.11	0.09
36.60	0.07	1,864	184.11	0.09
36.70	0.06	1,854	184.11	0.09
36.80	0.06	1,844	184.11	0.09
36.90	0.06	1,834	184.11	0.09
37.00	0.06	1,824	184.11	0.09
37.10	0.06	1,814	184.11	0.09
37.20	0.06	1,804	184.11	0.09
37.30	0.06	1,794	184.11	0.09
37.40	0.06	1,784	184.11	0.09
37.50	0.06	1,774	184.11	0.09
37.60	0.06	1,763	184.11	0.08
37.70	0.06	1,753	184.11	0.08
37.80	0.05	1,743	184.11	0.08
37.90	0.05	1,732	184.10	0.08
38.00	0.05	1,722	184.10	0.08
38.10	0.05	1,711	184.10	0.08
38.20	0.05	1,701	184.10	0.08
38.30	0.05	1,690	184.10	0.08
38.40	0.05	1,680	184.10	0.08
38.50	0.05	1,669	184.10	0.08
38.60	0.05	1,658	184.10	0.08
38.70	0.05	1,647	184.10	0.08
38.80	0.04	1,636	184.10	0.07
38.90	0.04	1,625	184.10	0.07
39.00	0.04	1,614	184.10	0.07
39.10	0.04	1,603	184.10	0.07
39.20	0.04	1,592	184.10	0.07
39.30	0.04	1,580	184.10	0.07
39.40	0.04	1,569	184.09	0.07
39.50	0.04	1,558	184.09	0.07
39.60	0.04	1,547	184.09	0.07
39.70	0.04	1,536	184.09	0.07
39.80	0.04	1,525	184.09	0.07
39.90	0.03	1,513	184.09	0.07
40.00	0.03	1,502	184.09	0.06

Stage-Discharge for Pond B-51: Basin #51

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
184.00	0.00	184.52	1.81	185.04	6.71	185.56	10.99
184.01	0.00	184.53	1.88	185.05	6.83	185.57	11.05
184.02	0.00	184.54	1.95	185.06	6.94	185.58	11.10
184.03	0.01	184.55	2.02	185.07	7.06	185.59	11.15
184.04	0.01	184.56	2.09	185.08	7.19	185.60	11.21
184.05	0.02	184.57	2.17	185.09	7.31	185.61	11.26
184.06	0.03	184.58	2.24	185.10	7.43	185.62	11.31
184.07	0.03	184.59	2.31	185.11	7.55	185.63	11.37
184.08	0.05	184.60	2.39	185.12	7.67	185.64	11.42
184.09	0.06	184.61	2.47	185.13	7.80	185.65	11.47
184.10	0.07	184.62	2.54	185.14	7.92	185.66	11.52
184.11	0.09	184.63	2.62	185.15	8.05	185.67	11.57
184.12	0.10	184.64	2.70	185.16	8.18	185.68	11.63
184.13	0.12	184.65	2.78	185.17	8.30	185.69	11.68
184.14	0.14	184.66	2.87	185.18	8.43	185.70	11.73
184.15	0.16	184.67	2.95	185.19	8.56	185.71	11.78
184.16	0.18	184.68	3.03	185.20	8.69	185.72	11.83
184.17	0.20	184.69	3.12	185.21	8.82	185.73	11.88
184.18	0.23	184.70	3.21	185.22	8.92	185.74	11.93
184.19	0.25	184.71	3.29	185.23	8.99	185.75	11.98
184.20	0.28	184.72	3.38	185.24	9.06	185.76	12.03
184.21	0.31	184.73	3.47	185.25	9.12	185.77	12.08
184.22	0.34	184.74	3.56	185.26	9.19	185.78	12.13
184.23	0.37	184.75	3.65	185.27	9.26	185.79	12.18
184.24	0.40	184.76	3.74	185.28	9.32	185.80	12.23
184.25	0.43	184.77	3.84	185.29	9.39	185.81	12.27
184.26	0.47	184.78	3.93	185.30	9.45	185.82	12.32
184.27	0.51	184.79	4.03	185.31	9.52	185.83	12.37
184.28	0.54	184.80	4.12	185.32	9.58	185.84	12.42
184.29	0.58	184.81	4.22	185.33	9.65	185.85	12.47
184.30	0.62	184.82	4.32	185.34	9.71	185.86	12.51
184.31	0.66	184.83	4.42	185.35	9.77	185.87	12.56
184.32	0.71	184.84	4.52	185.36	9.83	185.88	12.61
184.33	0.75	184.85	4.62	185.37	9.89	185.89	12.66
184.34	0.80	184.86	4.72	185.38	9.96	185.90	12.70
184.35	0.84	184.87	4.82	185.39	10.02	185.91	12.75
184.36	0.89	184.88	4.93	185.40	10.08	185.92	12.80
184.37	0.94	184.89	5.03	185.41	10.14	185.93	12.84
184.38	0.99	184.90	5.14	185.42	10.20	185.94	12.89
184.39	1.04	184.91	5.25	185.43	10.26	185.95	12.93
184.40	1.09	184.92	5.35	185.44	10.31	185.96	12.98
184.41	1.15	184.93	5.46	185.45	10.37	185.97	13.02
184.42	1.20	184.94	5.57	185.46	10.43	185.98	13.07
184.43	1.26	184.95	5.68	185.47	10.49	185.99	13.12
184.44	1.31	184.96	5.79	185.48	10.55	186.00	13.16
184.45	1.37	184.97	5.90	185.49	10.60	186.01	13.21
184.46	1.43	184.98	6.02	185.50	10.66	186.02	13.25
184.47	1.49	184.99	6.13	185.51	10.71	186.03	13.30
184.48	1.55	185.00	6.24	185.52	10.77	186.04	13.34
184.49	1.62	185.01	6.36	185.53	10.83	186.05	13.38
184.50	1.68	185.02	6.47	185.54	10.88	186.06	13.43
184.51	1.75	185.03	6.59	185.55	10.94	186.07	13.47

Stage-Discharge for Pond B-51: Basin #51 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
186.08	13.52	186.60	15.62	187.12	17.48	187.64	19.15
186.09	13.56	186.61	15.66	187.13	17.51	187.65	19.18
186.10	13.60	186.62	15.70	187.14	17.54	187.66	19.21
186.11	13.65	186.63	15.74	187.15	17.58	187.67	19.24
186.12	13.69	186.64	15.77	187.16	17.61	187.68	19.27
186.13	13.73	186.65	15.81	187.17	17.64	187.69	19.30
186.14	13.78	186.66	15.85	187.18	17.68	187.70	19.33
186.15	13.82	186.67	15.89	187.19	17.71	187.71	19.36
186.16	13.86	186.68	15.92	187.20	17.74	187.72	19.39
186.17	13.90	186.69	15.96	187.21	17.78	187.73	19.42
186.18	13.95	186.70	16.00	187.22	17.81	187.74	19.45
186.19	13.99	186.71	16.03	187.23	17.84	187.75	19.48
186.20	14.03	186.72	16.07	187.24	17.88	187.76	19.51
186.21	14.07	186.73	16.11	187.25	17.91	187.77	19.54
186.22	14.12	186.74	16.14	187.26	17.94	187.78	19.57
186.23	14.16	186.75	16.18	187.27	17.97	187.79	19.60
186.24	14.20	186.76	16.22	187.28	18.01	187.80	19.63
186.25	14.24	186.77	16.25	187.29	18.04	187.81	19.66
186.26	14.28	186.78	16.29	187.30	18.07	187.82	19.69
186.27	14.32	186.79	16.33	187.31	18.10	187.83	19.72
186.28	14.36	186.80	16.36	187.32	18.14	187.84	19.75
186.29	14.41	186.81	16.40	187.33	18.17	187.85	19.78
186.30	14.45	186.82	16.43	187.34	18.20	187.86	19.81
186.31	14.49	186.83	16.47	187.35	18.23	187.87	19.84
186.32	14.53	186.84	16.50	187.36	18.27	187.88	19.87
186.33	14.57	186.85	16.54	187.37	18.30	187.89	19.90
186.34	14.61	186.86	16.58	187.38	18.33	187.90	19.93
186.35	14.65	186.87	16.61	187.39	18.36	187.91	19.96
186.36	14.69	186.88	16.65	187.40	18.39	187.92	19.99
186.37	14.73	186.89	16.68	187.41	18.43	187.93	20.02
186.38	14.77	186.90	16.72	187.42	18.46	187.94	20.05
186.39	14.81	186.91	16.75	187.43	18.49	187.95	20.08
186.40	14.85	186.92	16.79	187.44	18.52	187.96	20.11
186.41	14.89	186.93	16.82	187.45	18.55	187.97	20.13
186.42	14.93	186.94	16.86	187.46	18.59	187.98	20.16
186.43	14.97	186.95	16.89	187.47	18.62	187.99	20.19
186.44	15.01	186.96	16.93	187.48	18.65	188.00	20.22
186.45	15.05	186.97	16.96	187.49	18.68	188.01	20.25
186.46	15.09	186.98	17.00	187.50	18.71	188.02	20.28
186.47	15.13	186.99	17.03	187.51	18.74	188.03	20.31
186.48	15.16	187.00	17.07	187.52	18.77	188.04	20.34
186.49	15.20	187.01	17.10	187.53	18.81	188.05	20.37
186.50	15.24	187.02	17.14	187.54	18.84	188.06	20.40
186.51	15.28	187.03	17.17	187.55	18.87	188.07	20.42
186.52	15.32	187.04	17.20	187.56	18.90	188.08	20.45
186.53	15.36	187.05	17.24	187.57	18.93	188.09	20.48
186.54	15.40	187.06	17.27	187.58	18.96	188.10	20.51
186.55	15.43	187.07	17.31	187.59	18.99	188.11	20.54
186.56	15.47	187.08	17.34	187.60	19.02	188.12	20.57
186.57	15.51	187.09	17.37	187.61	19.05	188.13	20.60
186.58	15.55	187.10	17.41	187.62	19.08	188.14	20.62
186.59	15.59	187.11	17.44	187.63	19.12	188.15	20.65

Stage-Discharge for Pond B-51: Basin #51 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
188.16	20.68	188.68	22.11	189.20	25.79	189.72	52.99
188.17	20.71	188.69	22.14	189.21	25.99	189.73	54.24
188.18	20.74	188.70	22.16	189.22	26.20	189.74	55.52
188.19	20.77	188.71	22.19	189.23	26.41	189.75	56.83
188.20	20.79	188.72	22.22	189.24	26.63	189.76	58.17
188.21	20.82	188.73	22.24	189.25	26.85	189.77	59.54
188.22	20.85	188.74	22.27	189.26	27.07	189.78	60.93
188.23	20.88	188.75	22.29	189.27	27.30	189.79	62.35
188.24	20.91	188.76	22.32	189.28	27.53	189.80	63.80
188.25	20.94	188.77	22.35	189.29	27.76	189.81	65.27
188.26	20.96	188.78	22.37	189.30	28.00	189.82	66.77
188.27	20.99	188.79	22.40	189.31	28.24	189.83	68.29
188.28	21.02	188.80	22.43	189.32	28.48	189.84	69.84
188.29	21.05	188.81	22.45	189.33	28.73	189.85	71.42
188.30	21.08	188.82	22.48	189.34	28.99	189.86	73.03
188.31	21.10	188.83	22.50	189.35	29.24	189.87	74.66
188.32	21.13	188.84	22.53	189.36	29.50	189.88	76.32
188.33	21.16	188.85	22.56	189.37	29.76	189.89	78.00
188.34	21.19	188.86	22.58	189.38	30.03	189.90	79.71
188.35	21.21	188.87	22.61	189.39	30.29	189.91	81.47
188.36	21.24	188.88	22.63	189.40	30.56	189.92	83.26
188.37	21.27	188.89	22.66	189.41	30.84	189.93	85.08
188.38	21.30	188.90	22.69	189.42	31.12	189.94	86.93
188.39	21.33	188.91	22.71	189.43	31.40	189.95	88.80
188.40	21.35	188.92	22.74	189.44	31.68	189.96	90.70
188.41	21.38	188.93	22.76	189.45	31.97	189.97	92.64
188.42	21.41	188.94	22.79	189.46	32.25	189.98	94.60
188.43	21.44	188.95	22.82	189.47	32.55	189.99	96.58
188.44	21.46	188.96	22.84	189.48	32.84	190.00	**98.58**
188.45	21.49	188.97	22.87	189.49	33.14		
188.46	21.52	188.98	22.89	189.50	33.44		
188.47	21.54	188.99	22.92	189.51	33.86		
188.48	21.57	189.00	22.94	189.52	34.38		
188.49	21.60	189.01	23.00	189.53	34.97		
188.50	21.63	189.02	23.07	189.54	35.61		
188.51	21.65	189.03	23.16	189.55	36.29		
188.52	21.68	189.04	23.26	189.56	37.02		
188.53	21.71	189.05	23.36	189.57	37.79		
188.54	21.73	189.06	23.48	189.58	38.60		
188.55	21.76	189.07	23.61	189.59	39.44		
188.56	21.79	189.08	23.74	189.60	40.31		
188.57	21.82	189.09	23.88	189.61	41.21		
188.58	21.84	189.10	24.03	189.62	42.14		
188.59	21.87	189.11	24.18	189.63	43.10		
188.60	21.90	189.12	24.34	189.64	44.09		
188.61	21.92	189.13	24.50	189.65	45.11		
188.62	21.95	189.14	24.67	189.66	46.15		
188.63	21.98	189.15	24.84	189.67	47.21		
188.64	22.00	189.16	25.02	189.68	48.30		
188.65	22.03	189.17	25.21	189.69	49.42		
188.66	22.06	189.18	25.40	189.70	50.56		
188.67	22.08	189.19	25.59	189.71	51.76		

Stage-Area-Storage for Pond B-51: Basin #51

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
184.00	**16,548**	0	184.52	16,548	8,605
184.01	16,548	165	184.53	16,548	8,770
184.02	16,548	331	184.54	16,548	8,936
184.03	16,548	496	184.55	16,548	9,101
184.04	16,548	662	184.56	16,548	9,267
184.05	16,548	827	184.57	16,548	9,432
184.06	16,548	993	184.58	16,548	9,598
184.07	16,548	1,158	184.59	16,548	9,763
184.08	16,548	1,324	184.60	16,548	9,929
184.09	16,548	1,489	184.61	16,548	10,094
184.10	16,548	1,655	184.62	16,548	10,260
184.11	16,548	1,820	184.63	16,548	10,425
184.12	16,548	1,986	184.64	16,548	10,591
184.13	16,548	2,151	184.65	16,548	10,756
184.14	16,548	2,317	184.66	16,548	10,922
184.15	16,548	2,482	184.67	16,548	11,087
184.16	16,548	2,648	184.68	16,548	11,253
184.17	16,548	2,813	184.69	16,548	11,418
184.18	16,548	2,979	184.70	16,548	11,584
184.19	16,548	3,144	184.71	16,548	11,749
184.20	16,548	3,310	184.72	16,548	11,915
184.21	16,548	3,475	184.73	16,548	12,080
184.22	16,548	3,641	184.74	16,548	12,246
184.23	16,548	3,806	184.75	16,548	12,411
184.24	16,548	3,972	184.76	16,548	12,576
184.25	16,548	4,137	184.77	16,548	12,742
184.26	16,548	4,302	184.78	16,548	12,907
184.27	16,548	4,468	184.79	16,548	13,073
184.28	16,548	4,633	184.80	16,548	13,238
184.29	16,548	4,799	184.81	16,548	13,404
184.30	16,548	4,964	184.82	16,548	13,569
184.31	16,548	5,130	184.83	16,548	13,735
184.32	16,548	5,295	184.84	16,548	13,900
184.33	16,548	5,461	184.85	16,548	14,066
184.34	16,548	5,626	184.86	16,548	14,231
184.35	16,548	5,792	184.87	16,548	14,397
184.36	16,548	5,957	184.88	16,548	14,562
184.37	16,548	6,123	184.89	16,548	14,728
184.38	16,548	6,288	184.90	16,548	14,893
184.39	16,548	6,454	184.91	16,548	15,059
184.40	16,548	6,619	184.92	16,548	15,224
184.41	16,548	6,785	184.93	16,548	15,390
184.42	16,548	6,950	184.94	16,548	15,555
184.43	16,548	7,116	184.95	16,548	15,721
184.44	16,548	7,281	184.96	16,548	15,886
184.45	16,548	7,447	184.97	16,548	16,052
184.46	16,548	7,612	184.98	16,548	16,217
184.47	16,548	7,778	184.99	16,548	16,383
184.48	16,548	7,943	185.00	16,548	16,548
184.49	16,548	8,109	185.01	16,548	16,713
184.50	16,548	8,274	185.02	16,548	16,879
184.51	16,548	8,439	185.03	16,548	17,044

Stage-Area-Storage for Pond B-51: Basin #51 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
185.04	16,548	17,210	185.56	16,548	25,815
185.05	16,548	17,375	185.57	16,548	25,980
185.06	16,548	17,541	185.58	16,548	26,146
185.07	16,548	17,706	185.59	16,548	26,311
185.08	16,548	17,872	185.60	16,548	26,477
185.09	16,548	18,037	185.61	16,548	26,642
185.10	16,548	18,203	185.62	16,548	26,808
185.11	16,548	18,368	185.63	16,548	26,973
185.12	16,548	18,534	185.64	16,548	27,139
185.13	16,548	18,699	185.65	16,548	27,304
185.14	16,548	18,865	185.66	16,548	27,470
185.15	16,548	19,030	185.67	16,548	27,635
185.16	16,548	19,196	185.68	16,548	27,801
185.17	16,548	19,361	185.69	16,548	27,966
185.18	16,548	19,527	185.70	16,548	28,132
185.19	16,548	19,692	185.71	16,548	28,297
185.20	16,548	19,858	185.72	16,548	28,463
185.21	16,548	20,023	185.73	16,548	28,628
185.22	16,548	20,189	185.74	16,548	28,794
185.23	16,548	20,354	185.75	16,548	28,959
185.24	16,548	20,520	185.76	16,548	29,124
185.25	16,548	20,685	185.77	16,548	29,290
185.26	16,548	20,850	185.78	16,548	29,455
185.27	16,548	21,016	185.79	16,548	29,621
185.28	16,548	21,181	185.80	16,548	29,786
185.29	16,548	21,347	185.81	16,548	29,952
185.30	16,548	21,512	185.82	16,548	30,117
185.31	16,548	21,678	185.83	16,548	30,283
185.32	16,548	21,843	185.84	16,548	30,448
185.33	16,548	22,009	185.85	16,548	30,614
185.34	16,548	22,174	185.86	16,548	30,779
185.35	16,548	22,340	185.87	16,548	30,945
185.36	16,548	22,505	185.88	16,548	31,110
185.37	16,548	22,671	185.89	16,548	31,276
185.38	16,548	22,836	185.90	16,548	31,441
185.39	16,548	23,002	185.91	16,548	31,607
185.40	16,548	23,167	185.92	16,548	31,772
185.41	16,548	23,333	185.93	16,548	31,938
185.42	16,548	23,498	185.94	16,548	32,103
185.43	16,548	23,664	185.95	16,548	32,269
185.44	16,548	23,829	185.96	16,548	32,434
185.45	16,548	23,995	185.97	16,548	32,600
185.46	16,548	24,160	185.98	16,548	32,765
185.47	16,548	24,326	185.99	16,548	32,931
185.48	16,548	24,491	186.00	16,548	33,096
185.49	16,548	24,657	186.01	16,548	33,261
185.50	16,548	24,822	186.02	16,548	33,427
185.51	16,548	24,987	186.03	16,548	33,592
185.52	16,548	25,153	186.04	16,548	33,758
185.53	16,548	25,318	186.05	16,548	33,923
185.54	16,548	25,484	186.06	16,548	34,089
185.55	16,548	25,649	186.07	16,548	34,254

Stage-Area-Storage for Pond B-51: Basin #51 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
186.08	16,548	34,420	186.60	16,548	43,025
186.09	16,548	34,585	186.61	16,548	43,190
186.10	16,548	34,751	186.62	16,548	43,356
186.11	16,548	34,916	186.63	16,548	43,521
186.12	16,548	35,082	186.64	16,548	43,687
186.13	16,548	35,247	186.65	16,548	43,852
186.14	16,548	35,413	186.66	16,548	44,018
186.15	16,548	35,578	186.67	16,548	44,183
186.16	16,548	35,744	186.68	16,548	44,349
186.17	16,548	35,909	186.69	16,548	44,514
186.18	16,548	36,075	186.70	16,548	44,680
186.19	16,548	36,240	186.71	16,548	44,845
186.20	16,548	36,406	186.72	16,548	45,011
186.21	16,548	36,571	186.73	16,548	45,176
186.22	16,548	36,737	186.74	16,548	45,342
186.23	16,548	36,902	186.75	16,548	45,507
186.24	16,548	37,068	186.76	16,548	45,672
186.25	16,548	37,233	186.77	16,548	45,838
186.26	16,548	37,398	186.78	16,548	46,003
186.27	16,548	37,564	186.79	16,548	46,169
186.28	16,548	37,729	186.80	16,548	46,334
186.29	16,548	37,895	186.81	16,548	46,500
186.30	16,548	38,060	186.82	16,548	46,665
186.31	16,548	38,226	186.83	16,548	46,831
186.32	16,548	38,391	186.84	16,548	46,996
186.33	16,548	38,557	186.85	16,548	47,162
186.34	16,548	38,722	186.86	16,548	47,327
186.35	16,548	38,888	186.87	16,548	47,493
186.36	16,548	39,053	186.88	16,548	47,658
186.37	16,548	39,219	186.89	16,548	47,824
186.38	16,548	39,384	186.90	16,548	47,989
186.39	16,548	39,550	186.91	16,548	48,155
186.40	16,548	39,715	186.92	16,548	48,320
186.41	16,548	39,881	186.93	16,548	48,486
186.42	16,548	40,046	186.94	16,548	48,651
186.43	16,548	40,212	186.95	16,548	48,817
186.44	16,548	40,377	186.96	16,548	48,982
186.45	16,548	40,543	186.97	16,548	49,148
186.46	16,548	40,708	186.98	16,548	49,313
186.47	16,548	40,874	186.99	16,548	49,479
186.48	16,548	41,039	187.00	16,548	49,644
186.49	16,548	41,205	187.01	16,548	49,809
186.50	16,548	41,370	187.02	16,548	49,975
186.51	16,548	41,535	187.03	16,548	50,140
186.52	16,548	41,701	187.04	16,548	50,306
186.53	16,548	41,866	187.05	16,548	50,471
186.54	16,548	42,032	187.06	16,548	50,637
186.55	16,548	42,197	187.07	16,548	50,802
186.56	16,548	42,363	187.08	16,548	50,968
186.57	16,548	42,528	187.09	16,548	51,133
186.58	16,548	42,694	187.10	16,548	51,299
186.59	16,548	42,859	187.11	16,548	51,464

Stage-Area-Storage for Pond B-51: Basin #51 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
187.12	16,548	51,630	187.64	16,548	60,235
187.13	16,548	51,795	187.65	16,548	60,400
187.14	16,548	51,961	187.66	16,548	60,566
187.15	16,548	52,126	187.67	16,548	60,731
187.16	16,548	52,292	187.68	16,548	60,897
187.17	16,548	52,457	187.69	16,548	61,062
187.18	16,548	52,623	187.70	16,548	61,228
187.19	16,548	52,788	187.71	16,548	61,393
187.20	16,548	52,954	187.72	16,548	61,559
187.21	16,548	53,119	187.73	16,548	61,724
187.22	16,548	53,285	187.74	16,548	61,890
187.23	16,548	53,450	187.75	16,548	62,055
187.24	16,548	53,616	187.76	16,548	62,220
187.25	16,548	53,781	187.77	16,548	62,386
187.26	16,548	53,946	187.78	16,548	62,551
187.27	16,548	54,112	187.79	16,548	62,717
187.28	16,548	54,277	187.80	16,548	62,882
187.29	16,548	54,443	187.81	16,548	63,048
187.30	16,548	54,608	187.82	16,548	63,213
187.31	16,548	54,774	187.83	16,548	63,379
187.32	16,548	54,939	187.84	16,548	63,544
187.33	16,548	55,105	187.85	16,548	63,710
187.34	16,548	55,270	187.86	16,548	63,875
187.35	16,548	55,436	187.87	16,548	64,041
187.36	16,548	55,601	187.88	16,548	64,206
187.37	16,548	55,767	187.89	16,548	64,372
187.38	16,548	55,932	187.90	16,548	64,537
187.39	16,548	56,098	187.91	16,548	64,703
187.40	16,548	56,263	187.92	16,548	64,868
187.41	16,548	56,429	187.93	16,548	65,034
187.42	16,548	56,594	187.94	16,548	65,199
187.43	16,548	56,760	187.95	16,548	65,365
187.44	16,548	56,925	187.96	16,548	65,530
187.45	16,548	57,091	187.97	16,548	65,696
187.46	16,548	57,256	187.98	16,548	65,861
187.47	16,548	57,422	187.99	16,548	66,027
187.48	16,548	57,587	188.00	16,548	66,192
187.49	16,548	57,753	188.01	16,548	66,357
187.50	16,548	57,918	188.02	16,548	66,523
187.51	16,548	58,083	188.03	16,548	66,688
187.52	16,548	58,249	188.04	16,548	66,854
187.53	16,548	58,414	188.05	16,548	67,019
187.54	16,548	58,580	188.06	16,548	67,185
187.55	16,548	58,745	188.07	16,548	67,350
187.56	16,548	58,911	188.08	16,548	67,516
187.57	16,548	59,076	188.09	16,548	67,681
187.58	16,548	59,242	188.10	16,548	67,847
187.59	16,548	59,407	188.11	16,548	68,012
187.60	16,548	59,573	188.12	16,548	68,178
187.61	16,548	59,738	188.13	16,548	68,343
187.62	16,548	59,904	188.14	16,548	68,509
187.63	16,548	60,069	188.15	16,548	68,674

Stage-Area-Storage for Pond B-51: Basin #51 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
188.16	16,548	68,840	188.68	16,548	77,445
188.17	16,548	69,005	188.69	16,548	77,610
188.18	16,548	69,171	188.70	16,548	77,776
188.19	16,548	69,336	188.71	16,548	77,941
188.20	16,548	69,502	188.72	16,548	78,107
188.21	16,548	69,667	188.73	16,548	78,272
188.22	16,548	69,833	188.74	16,548	78,438
188.23	16,548	69,998	188.75	16,548	78,603
188.24	16,548	70,164	188.76	16,548	78,768
188.25	16,548	70,329	188.77	16,548	78,934
188.26	16,548	70,494	188.78	16,548	79,099
188.27	16,548	70,660	188.79	16,548	79,265
188.28	16,548	70,825	188.80	16,548	79,430
188.29	16,548	70,991	188.81	16,548	79,596
188.30	16,548	71,156	188.82	16,548	79,761
188.31	16,548	71,322	188.83	16,548	79,927
188.32	16,548	71,487	188.84	16,548	80,092
188.33	16,548	71,653	188.85	16,548	80,258
188.34	16,548	71,818	188.86	16,548	80,423
188.35	16,548	71,984	188.87	16,548	80,589
188.36	16,548	72,149	188.88	16,548	80,754
188.37	16,548	72,315	188.89	16,548	80,920
188.38	16,548	72,480	188.90	16,548	81,085
188.39	16,548	72,646	188.91	16,548	81,251
188.40	16,548	72,811	188.92	16,548	81,416
188.41	16,548	72,977	188.93	16,548	81,582
188.42	16,548	73,142	188.94	16,548	81,747
188.43	16,548	73,308	188.95	16,548	81,913
188.44	16,548	73,473	188.96	16,548	82,078
188.45	16,548	73,639	188.97	16,548	82,244
188.46	16,548	73,804	188.98	16,548	82,409
188.47	16,548	73,970	188.99	16,548	82,575
188.48	16,548	74,135	189.00	16,548	82,740
188.49	16,548	74,301	189.01	16,548	82,905
188.50	16,548	74,466	189.02	16,548	83,071
188.51	16,548	74,631	189.03	16,548	83,236
188.52	16,548	74,797	189.04	16,548	83,402
188.53	16,548	74,962	189.05	16,548	83,567
188.54	16,548	75,128	189.06	16,548	83,733
188.55	16,548	75,293	189.07	16,548	83,898
188.56	16,548	75,459	189.08	16,548	84,064
188.57	16,548	75,624	189.09	16,548	84,229
188.58	16,548	75,790	189.10	16,548	84,395
188.59	16,548	75,955	189.11	16,548	84,560
188.60	16,548	76,121	189.12	16,548	84,726
188.61	16,548	76,286	189.13	16,548	84,891
188.62	16,548	76,452	189.14	16,548	85,057
188.63	16,548	76,617	189.15	16,548	85,222
188.64	16,548	76,783	189.16	16,548	85,388
188.65	16,548	76,948	189.17	16,548	85,553
188.66	16,548	77,114	189.18	16,548	85,719
188.67	16,548	77,279	189.19	16,548	85,884

Stage-Area-Storage for Pond B-51: Basin #51 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
189.20	16,548	86,050
189.21	16,548	86,215
189.22	16,548	86,381
189.23	16,548	86,546
189.24	16,548	86,712
189.25	16,548	86,877
189.26	16,548	87,042
189.27	16,548	87,208
189.28	16,548	87,373
189.29	16,548	87,539
189.30	16,548	87,704
189.31	16,548	87,870
189.32	16,548	88,035
189.33	16,548	88,201
189.34	16,548	88,366
189.35	16,548	88,532
189.36	16,548	88,697
189.37	16,548	88,863
189.38	16,548	89,028
189.39	16,548	89,194
189.40	16,548	89,359
189.41	16,548	89,525
189.42	16,548	89,690
189.43	16,548	89,856
189.44	16,548	90,021
189.45	16,548	90,187
189.46	16,548	90,352
189.47	16,548	90,518
189.48	16,548	90,683
189.49	16,548	90,849
189.50	16,548	91,014
189.51	16,548	91,179
189.52	16,548	91,345
189.53	16,548	91,510
189.54	16,548	91,676
189.55	16,548	91,841
189.56	16,548	92,007
189.57	16,548	92,172
189.58	16,548	92,338
189.59	16,548	92,503
189.60	16,548	92,669
189.61	16,548	92,834
189.62	16,548	93,000
189.63	16,548	93,165
189.64	16,548	93,331
189.65	16,548	93,496
189.66	16,548	93,662
189.67	16,548	93,827
189.68	16,548	93,993
189.69	16,548	94,158
189.70	16,548	94,324
189.71	16,548	94,489
189.72	16,548	94,655
189.73	16,548	94,820
189.74	16,548	94,986
189.75	16,548	95,151
189.76	16,548	95,316
189.77	16,548	95,482
189.78	16,548	95,647
189.79	16,548	95,813
189.80	16,548	95,978
189.81	16,548	96,144
189.82	16,548	96,309
189.83	16,548	96,475
189.84	16,548	96,640
189.85	16,548	96,806
189.86	16,548	96,971
189.87	16,548	97,137
189.88	16,548	97,302
189.89	16,548	97,468
189.90	16,548	97,633
189.91	16,548	97,799
189.92	16,548	97,964
189.93	16,548	98,130
189.94	16,548	98,295
189.95	16,548	98,461
189.96	16,548	98,626
189.97	16,548	98,792
189.98	16,548	98,957
189.99	16,548	99,123
190.00	16,548	**99,288**

Summary for Pond B-52: Basin #52

Inflow Area = 1.423 ac, 34.43% Impervious, Inflow Depth = 3.25" for Current 10 yr event
Inflow = 4.26 cfs @ 12.09 hrs, Volume= 0.386 af
Outflow = 3.21 cfs @ 12.15 hrs, Volume= 0.337 af, Atten= 25%, Lag= 3.9 min
Primary = 3.21 cfs @ 12.15 hrs, Volume= 0.337 af
Routed to Pond B-51 : Basin #51

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 196.73' @ 12.15 hrs Surf.Area= 2,619 sf Storage= 5,531 cf

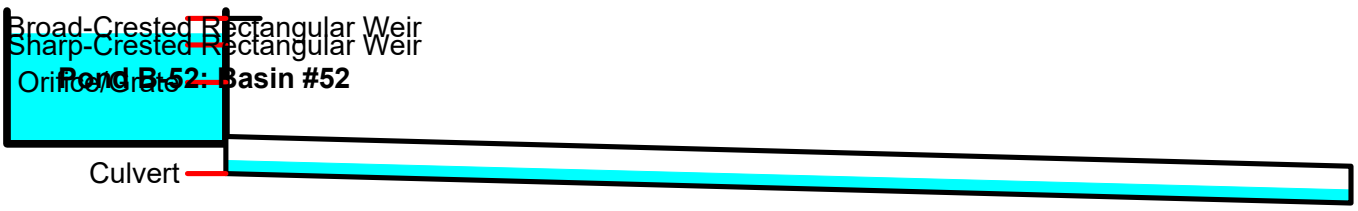
Plug-Flow detention time= 212.6 min calculated for 0.337 af (87% of inflow)
Center-of-Mass det. time= 152.2 min (946.4 - 794.3)

Volume	Invert	Avail.Storage	Storage Description
#1	193.00'	7,751 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

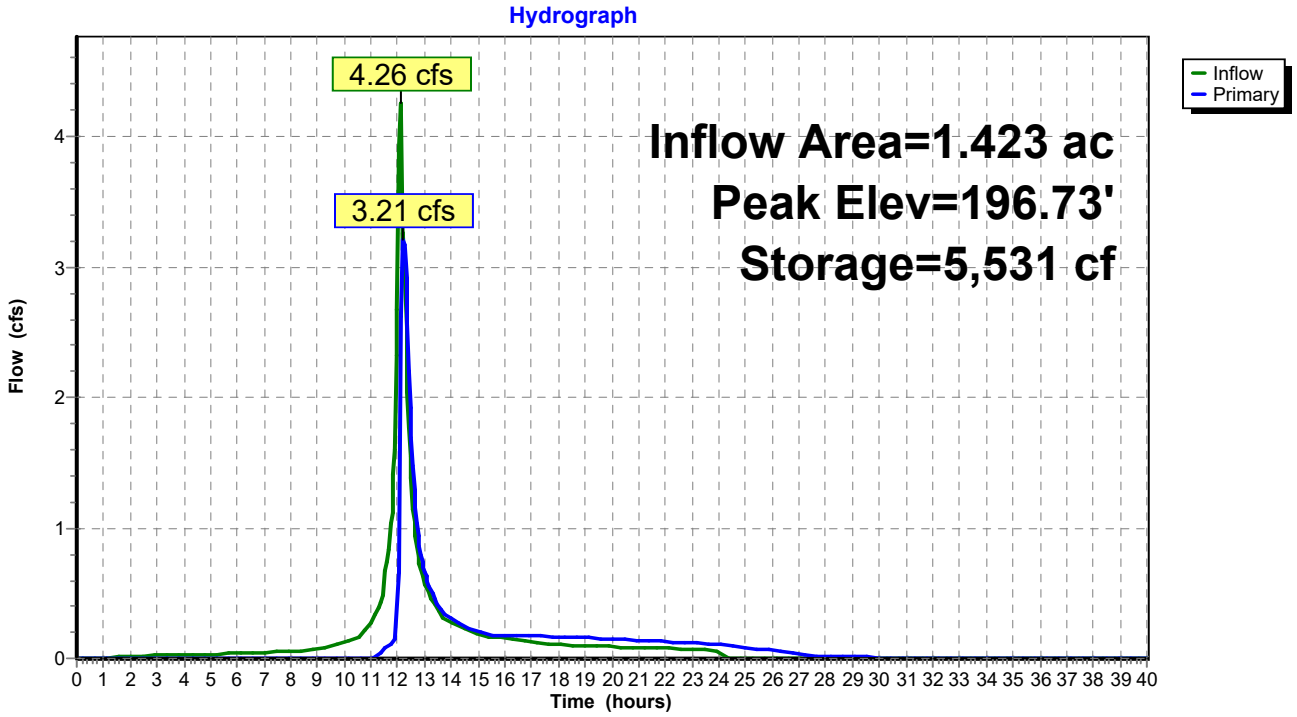
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
193.00	474	0	0
194.00	970	722	722
195.00	1,523	1,247	1,969
196.00	2,133	1,828	3,797
197.00	2,799	2,466	6,263
197.50	3,154	1,488	7,751

Device	Routing	Invert	Outlet Devices
#1	Primary	192.00'	**15.0" Round Culvert** L= 163.0' Ke= 0.500 Inlet / Outlet Invert= 192.00' / 191.00' S= 0.0061 '/' Cc= 0.900 n= 0.013, Flow Area= 1.23 sf
#2	Device 1	195.08'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	196.35'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	197.25'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=3.21 cfs @ 12.15 hrs HW=196.73' (Free Discharge)
- **1=Culvert** (Passes 3.21 cfs of 9.05 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.20 cfs @ 5.99 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 3.01 cfs @ 2.02 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-52: Basin #52



Hydrograph for Pond B-52: Basin #52

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	193.00	0.00
0.10	0.00	0	193.00	0.00
0.20	0.00	0	193.00	0.00
0.30	0.00	0	193.00	0.00
0.40	0.00	0	193.00	0.00
0.50	0.00	0	193.00	0.00
0.60	0.00	0	193.00	0.00
0.70	0.00	0	193.00	0.00
0.80	0.00	0	193.00	0.00
0.90	0.00	1	193.00	0.00
1.00	0.00	1	193.00	0.00
1.10	0.00	3	193.01	0.00
1.20	0.01	5	193.01	0.00
1.30	0.01	7	193.01	0.00
1.40	0.01	10	193.02	0.00
1.50	0.01	13	193.03	0.00
1.60	0.01	16	193.03	0.00
1.70	0.01	20	193.04	0.00
1.80	0.01	24	193.05	0.00
1.90	0.01	29	193.06	0.00
2.00	0.01	34	193.07	0.00
2.10	0.01	39	193.08	0.00
2.20	0.02	44	193.09	0.00
2.30	0.02	50	193.10	0.00
2.40	0.02	56	193.11	0.00
2.50	0.02	62	193.12	0.00
2.60	0.02	69	193.14	0.00
2.70	0.02	76	193.15	0.00
2.80	0.02	83	193.16	0.00
2.90	0.02	90	193.17	0.00
3.00	0.02	97	193.19	0.00
3.10	0.02	105	193.20	0.00
3.20	0.02	113	193.21	0.00
3.30	0.02	121	193.23	0.00
3.40	0.02	129	193.24	0.00
3.50	0.02	138	193.26	0.00
3.60	0.02	147	193.27	0.00
3.70	0.03	156	193.29	0.00
3.80	0.03	165	193.30	0.00
3.90	0.03	174	193.32	0.00
4.00	0.03	184	193.33	0.00
4.10	0.03	193	193.35	0.00
4.20	0.03	203	193.36	0.00
4.30	0.03	213	193.38	0.00
4.40	0.03	223	193.39	0.00
4.50	0.03	234	193.41	0.00
4.60	0.03	244	193.42	0.00
4.70	0.03	255	193.44	0.00
4.80	0.03	266	193.45	0.00
4.90	0.03	277	193.47	0.00
5.00	0.03	288	193.48	0.00
5.10	0.03	299	193.50	0.00

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.03	311	193.52	0.00
5.30	0.03	322	193.53	0.00
5.40	0.03	334	193.55	0.00
5.50	0.03	346	193.56	0.00
5.60	0.03	358	193.58	0.00
5.70	0.03	370	193.60	0.00
5.80	0.03	382	193.61	0.00
5.90	0.03	395	193.63	0.00
6.00	0.04	407	193.64	0.00
6.10	0.04	420	193.66	0.00
6.20	0.04	433	193.68	0.00
6.30	0.04	447	193.69	0.00
6.40	0.04	461	193.71	0.00
6.50	0.04	475	193.73	0.00
6.60	0.04	490	193.74	0.00
6.70	0.04	505	193.76	0.00
6.80	0.04	521	193.78	0.00
6.90	0.04	537	193.80	0.00
7.00	0.05	553	193.82	0.00
7.10	0.05	569	193.84	0.00
7.20	0.05	587	193.85	0.00
7.30	0.05	604	193.87	0.00
7.40	0.05	622	193.89	0.00
7.50	0.05	640	193.91	0.00
7.60	0.05	658	193.93	0.00
7.70	0.05	677	193.95	0.00
7.80	0.05	697	193.97	0.00
7.90	0.06	716	193.99	0.00
8.00	0.06	736	194.01	0.00
8.10	0.06	757	194.04	0.00
8.20	0.06	778	194.06	0.00
8.30	0.06	799	194.08	0.00
8.40	0.06	820	194.10	0.00
8.50	0.06	842	194.12	0.00
8.60	0.06	865	194.14	0.00
8.70	0.06	887	194.16	0.00
8.80	0.06	911	194.18	0.00
8.90	0.07	934	194.21	0.00
9.00	0.07	958	194.23	0.00
9.10	0.07	984	194.25	0.00
9.20	0.08	1,011	194.28	0.00
9.30	0.08	1,040	194.30	0.00
9.40	0.09	1,071	194.33	0.00
9.50	0.09	1,103	194.36	0.00
9.60	0.10	1,138	194.39	0.00
9.70	0.10	1,175	194.42	0.00
9.80	0.11	1,214	194.45	0.00
9.90	0.12	1,255	194.48	0.00
10.00	0.12	1,298	194.52	0.00
10.10	0.13	1,344	194.55	0.00
10.20	0.14	1,392	194.59	0.00
10.30	0.14	1,442	194.63	0.00

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.15	1,495	194.67	0.00
10.50	0.16	1,551	194.71	0.00
10.60	0.18	1,612	194.75	0.00
10.70	0.20	1,680	194.80	0.00
10.80	0.22	1,756	194.86	0.00
10.90	0.24	1,839	194.91	0.00
11.00	0.27	1,932	194.98	0.00
11.10	0.31	2,037	195.04	0.00
11.20	0.35	2,156	195.12	0.00
11.30	0.40	2,287	195.20	0.02
11.40	0.44	2,425	195.28	0.05
11.50	0.51	2,574	195.37	0.07
11.60	0.70	2,774	195.48	0.09
11.70	0.83	3,014	195.61	0.11
11.80	1.12	3,333	195.78	0.13
11.90	1.60	3,783	195.99	0.15
12.00	2.68	4,529	196.33	0.18
12.10	**4.20**	**5,397**	**196.68**	**2.63**
12.20	3.27	**5,529**	**196.73**	**3.20**
12.30	2.54	5,463	196.70	2.91
12.40	1.77	5,296	196.64	2.20
12.50	1.38	5,163	196.59	1.69
12.60	1.04	5,052	196.54	1.29
12.70	0.86	4,975	196.51	1.03
12.80	0.73	4,918	196.49	0.86
12.90	0.65	4,877	196.47	0.74
13.00	0.59	4,847	196.46	0.66
13.10	0.52	4,819	196.45	0.59
13.20	0.48	4,796	196.44	0.53
13.30	0.44	4,776	196.43	0.48
13.40	0.40	4,758	196.42	0.44
13.50	0.37	4,743	196.42	0.41
13.60	0.33	4,726	196.41	0.38
13.70	0.31	4,710	196.40	0.35
13.80	0.30	4,697	196.40	0.33
13.90	0.29	4,687	196.39	0.31
14.00	0.28	4,679	196.39	0.30
14.10	0.27	4,673	196.39	0.28
14.20	0.26	4,667	196.38	0.27
14.30	0.25	4,662	196.38	0.26
14.40	0.24	4,657	196.38	0.25
14.50	0.23	4,652	196.38	0.25
14.60	0.22	4,647	196.38	0.24
14.70	0.21	4,642	196.37	0.23
14.80	0.21	4,635	196.37	0.22
14.90	0.20	4,628	196.37	0.22
15.00	0.19	4,620	196.37	0.21
15.10	0.18	4,612	196.36	0.20
15.20	0.17	4,604	196.36	0.20
15.30	0.17	4,596	196.36	0.19
15.40	0.17	4,590	196.35	0.18
15.50	0.16	4,585	196.35	0.18

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.16	4,579	196.35	0.18
15.70	0.16	4,573	196.35	0.18
15.80	0.16	4,567	196.34	0.18
15.90	0.15	4,559	196.34	0.18
16.00	0.15	4,551	196.34	0.18
16.10	0.15	4,542	196.33	0.18
16.20	0.15	4,532	196.33	0.18
16.30	0.15	4,522	196.32	0.18
16.40	0.14	4,511	196.32	0.17
16.50	0.14	4,499	196.31	0.17
16.60	0.14	4,486	196.31	0.17
16.70	0.14	4,473	196.30	0.17
16.80	0.13	4,459	196.30	0.17
16.90	0.13	4,444	196.29	0.17
17.00	0.13	4,429	196.28	0.17
17.10	0.13	4,413	196.28	0.17
17.20	0.12	4,396	196.27	0.17
17.30	0.12	4,379	196.26	0.17
17.40	0.12	4,361	196.25	0.17
17.50	0.12	4,342	196.25	0.17
17.60	0.11	4,323	196.24	0.17
17.70	0.11	4,303	196.23	0.17
17.80	0.11	4,283	196.22	0.17
17.90	0.11	4,262	196.21	0.17
18.00	0.10	4,240	196.20	0.17
18.10	0.10	4,218	196.19	0.16
18.20	0.10	4,195	196.18	0.16
18.30	0.10	4,172	196.17	0.16
18.40	0.10	4,149	196.16	0.16
18.50	0.10	4,127	196.15	0.16
18.60	0.10	4,104	196.14	0.16
18.70	0.10	4,081	196.13	0.16
18.80	0.10	4,059	196.12	0.16
18.90	0.10	4,036	196.11	0.16
19.00	0.10	4,014	196.10	0.16
19.10	0.09	3,992	196.09	0.16
19.20	0.09	3,970	196.08	0.16
19.30	0.09	3,948	196.07	0.15
19.40	0.09	3,926	196.06	0.15
19.50	0.09	3,904	196.05	0.15
19.60	0.09	3,882	196.04	0.15
19.70	0.09	3,861	196.03	0.15
19.80	0.09	3,839	196.02	0.15
19.90	0.09	3,818	196.01	0.15
20.00	0.09	3,797	196.00	0.15
20.10	0.09	3,776	195.99	0.15
20.20	0.09	3,755	195.98	0.15
20.30	0.09	3,734	195.97	0.15
20.40	0.09	3,713	195.96	0.14
20.50	0.09	3,692	195.95	0.14
20.60	0.09	3,672	195.94	0.14
20.70	0.09	3,651	195.93	0.14

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.08	3,631	195.92	0.14
20.90	0.08	3,611	195.91	0.14
21.00	0.08	3,591	195.90	0.14
21.10	0.08	3,571	195.89	0.14
21.20	0.08	3,551	195.88	0.14
21.30	0.08	3,531	195.87	0.14
21.40	0.08	3,511	195.86	0.14
21.50	0.08	3,492	195.85	0.13
21.60	0.08	3,473	195.84	0.13
21.70	0.08	3,453	195.84	0.13
21.80	0.08	3,434	195.83	0.13
21.90	0.08	3,415	195.82	0.13
22.00	0.08	3,396	195.81	0.13
22.10	0.08	3,378	195.80	0.13
22.20	0.08	3,359	195.79	0.13
22.30	0.08	3,341	195.78	0.13
22.40	0.07	3,322	195.77	0.13
22.50	0.07	3,304	195.76	0.12
22.60	0.07	3,286	195.75	0.12
22.70	0.07	3,268	195.74	0.12
22.80	0.07	3,251	195.73	0.12
22.90	0.07	3,233	195.72	0.12
23.00	0.07	3,215	195.72	0.12
23.10	0.07	3,198	195.71	0.12
23.20	0.07	3,181	195.70	0.12
23.30	0.07	3,164	195.69	0.12
23.40	0.07	3,147	195.68	0.12
23.50	0.07	3,130	195.67	0.11
23.60	0.07	3,113	195.66	0.11
23.70	0.07	3,097	195.66	0.11
23.80	0.07	3,081	195.65	0.11
23.90	0.07	3,065	195.64	0.11
24.00	0.07	3,050	195.63	0.11
24.10	0.04	3,029	195.62	0.11
24.20	0.02	3,001	195.60	0.11
24.30	0.01	2,967	195.59	0.10
24.40	0.00	2,931	195.57	0.10
24.50	0.00	2,896	195.55	0.10
24.60	0.00	2,861	195.53	0.10
24.70	0.00	2,826	195.51	0.09
24.80	0.00	2,793	195.49	0.09
24.90	0.00	2,761	195.47	0.09
25.00	0.00	2,729	195.46	0.09
25.10	0.00	2,699	195.44	0.08
25.20	0.00	2,670	195.42	0.08
25.30	0.00	2,641	195.41	0.08
25.40	0.00	2,614	195.39	0.07
25.50	0.00	2,587	195.38	0.07
25.60	0.00	2,562	195.36	0.07
25.70	0.00	2,537	195.35	0.07
25.80	0.00	2,514	195.34	0.06
25.90	0.00	2,491	195.32	0.06

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	2,470	195.31	0.06
26.10	0.00	2,450	195.30	0.06
26.20	0.00	2,430	195.29	0.05
26.30	0.00	2,412	195.28	0.05
26.40	0.00	2,395	195.27	0.05
26.50	0.00	2,379	195.26	0.04
26.60	0.00	2,363	195.25	0.04
26.70	0.00	2,349	195.24	0.04
26.80	0.00	2,336	195.23	0.03
26.90	0.00	2,324	195.22	0.03
27.00	0.00	2,313	195.22	0.03
27.10	0.00	2,303	195.21	0.03
27.20	0.00	2,293	195.20	0.03
27.30	0.00	2,284	195.20	0.02
27.40	0.00	2,276	195.19	0.02
27.50	0.00	2,268	195.19	0.02
27.60	0.00	2,261	195.18	0.02
27.70	0.00	2,254	195.18	0.02
27.80	0.00	2,248	195.18	0.02
27.90	0.00	2,242	195.17	0.02
28.00	0.00	2,236	195.17	0.01
28.10	0.00	2,231	195.17	0.01
28.20	0.00	2,226	195.16	0.01
28.30	0.00	2,222	195.16	0.01
28.40	0.00	2,218	195.16	0.01
28.50	0.00	2,214	195.16	0.01
28.60	0.00	2,210	195.15	0.01
28.70	0.00	2,206	195.15	0.01
28.80	0.00	2,203	195.15	0.01
28.90	0.00	2,200	195.15	0.01
29.00	0.00	2,196	195.15	0.01
29.10	0.00	2,193	195.14	0.01
29.20	0.00	2,190	195.14	0.01
29.30	0.00	2,188	195.14	0.01
29.40	0.00	2,185	195.14	0.01
29.50	0.00	2,183	195.14	0.01
29.60	0.00	2,180	195.14	0.01
29.70	0.00	2,178	195.13	0.01
29.80	0.00	2,176	195.13	0.01
29.90	0.00	2,174	195.13	0.01
30.00	0.00	2,172	195.13	0.01
30.10	0.00	2,170	195.13	0.01
30.20	0.00	2,168	195.13	0.00
30.30	0.00	2,166	195.13	0.00
30.40	0.00	2,164	195.13	0.00
30.50	0.00	2,163	195.12	0.00
30.60	0.00	2,161	195.12	0.00
30.70	0.00	2,160	195.12	0.00
30.80	0.00	2,158	195.12	0.00
30.90	0.00	2,157	195.12	0.00
31.00	0.00	2,156	195.12	0.00
31.10	0.00	2,155	195.12	0.00

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	2,153	195.12	0.00
31.30	0.00	2,152	195.12	0.00
31.40	0.00	2,151	195.12	0.00
31.50	0.00	2,150	195.12	0.00
31.60	0.00	2,149	195.12	0.00
31.70	0.00	2,148	195.12	0.00
31.80	0.00	2,148	195.11	0.00
31.90	0.00	2,147	195.11	0.00
32.00	0.00	2,146	195.11	0.00
32.10	0.00	2,145	195.11	0.00
32.20	0.00	2,144	195.11	0.00
32.30	0.00	2,143	195.11	0.00
32.40	0.00	2,143	195.11	0.00
32.50	0.00	2,142	195.11	0.00
32.60	0.00	2,141	195.11	0.00
32.70	0.00	2,140	195.11	0.00
32.80	0.00	2,140	195.11	0.00
32.90	0.00	2,139	195.11	0.00
33.00	0.00	2,138	195.11	0.00
33.10	0.00	2,137	195.11	0.00
33.20	0.00	2,137	195.11	0.00
33.30	0.00	2,136	195.11	0.00
33.40	0.00	2,135	195.11	0.00
33.50	0.00	2,135	195.11	0.00
33.60	0.00	2,134	195.11	0.00
33.70	0.00	2,133	195.11	0.00
33.80	0.00	2,133	195.11	0.00
33.90	0.00	2,132	195.11	0.00
34.00	0.00	2,131	195.10	0.00
34.10	0.00	2,131	195.10	0.00
34.20	0.00	2,130	195.10	0.00
34.30	0.00	2,130	195.10	0.00
34.40	0.00	2,129	195.10	0.00
34.50	0.00	2,128	195.10	0.00
34.60	0.00	2,128	195.10	0.00
34.70	0.00	2,127	195.10	0.00
34.80	0.00	2,127	195.10	0.00
34.90	0.00	2,126	195.10	0.00
35.00	0.00	2,126	195.10	0.00
35.10	0.00	2,125	195.10	0.00
35.20	0.00	2,125	195.10	0.00
35.30	0.00	2,124	195.10	0.00
35.40	0.00	2,124	195.10	0.00
35.50	0.00	2,123	195.10	0.00
35.60	0.00	2,123	195.10	0.00
35.70	0.00	2,122	195.10	0.00
35.80	0.00	2,122	195.10	0.00
35.90	0.00	2,121	195.10	0.00
36.00	0.00	2,121	195.10	0.00
36.10	0.00	2,120	195.10	0.00
36.20	0.00	2,120	195.10	0.00
36.30	0.00	2,120	195.10	0.00

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	2,119	195.10	0.00
36.50	0.00	2,119	195.10	0.00
36.60	0.00	2,118	195.10	0.00
36.70	0.00	2,118	195.10	0.00
36.80	0.00	2,118	195.10	0.00
36.90	0.00	2,117	195.10	0.00
37.00	0.00	2,117	195.10	0.00
37.10	0.00	2,116	195.10	0.00
37.20	0.00	2,116	195.09	0.00
37.30	0.00	2,116	195.09	0.00
37.40	0.00	2,115	195.09	0.00
37.50	0.00	2,115	195.09	0.00
37.60	0.00	2,115	195.09	0.00
37.70	0.00	2,114	195.09	0.00
37.80	0.00	2,114	195.09	0.00
37.90	0.00	2,114	195.09	0.00
38.00	0.00	2,113	195.09	0.00
38.10	0.00	2,113	195.09	0.00
38.20	0.00	2,113	195.09	0.00
38.30	0.00	2,112	195.09	0.00
38.40	0.00	2,112	195.09	0.00
38.50	0.00	2,112	195.09	0.00
38.60	0.00	2,111	195.09	0.00
38.70	0.00	2,111	195.09	0.00
38.80	0.00	2,111	195.09	0.00
38.90	0.00	2,110	195.09	0.00
39.00	0.00	2,110	195.09	0.00
39.10	0.00	2,110	195.09	0.00
39.20	0.00	2,110	195.09	0.00
39.30	0.00	2,109	195.09	0.00
39.40	0.00	2,109	195.09	0.00
39.50	0.00	2,109	195.09	0.00
39.60	0.00	2,109	195.09	0.00
39.70	0.00	2,108	195.09	0.00
39.80	0.00	2,108	195.09	0.00
39.90	0.00	2,108	195.09	0.00
40.00	0.00	2,108	195.09	0.00

Stage-Discharge for Pond B-52: Basin #52

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
193.00	0.00	193.52	0.00	194.04	0.00	194.56	0.00
193.01	0.00	193.53	0.00	194.05	0.00	194.57	0.00
193.02	0.00	193.54	0.00	194.06	0.00	194.58	0.00
193.03	0.00	193.55	0.00	194.07	0.00	194.59	0.00
193.04	0.00	193.56	0.00	194.08	0.00	194.60	0.00
193.05	0.00	193.57	0.00	194.09	0.00	194.61	0.00
193.06	0.00	193.58	0.00	194.10	0.00	194.62	0.00
193.07	0.00	193.59	0.00	194.11	0.00	194.63	0.00
193.08	0.00	193.60	0.00	194.12	0.00	194.64	0.00
193.09	0.00	193.61	0.00	194.13	0.00	194.65	0.00
193.10	0.00	193.62	0.00	194.14	0.00	194.66	0.00
193.11	0.00	193.63	0.00	194.15	0.00	194.67	0.00
193.12	0.00	193.64	0.00	194.16	0.00	194.68	0.00
193.13	0.00	193.65	0.00	194.17	0.00	194.69	0.00
193.14	0.00	193.66	0.00	194.18	0.00	194.70	0.00
193.15	0.00	193.67	0.00	194.19	0.00	194.71	0.00
193.16	0.00	193.68	0.00	194.20	0.00	194.72	0.00
193.17	0.00	193.69	0.00	194.21	0.00	194.73	0.00
193.18	0.00	193.70	0.00	194.22	0.00	194.74	0.00
193.19	0.00	193.71	0.00	194.23	0.00	194.75	0.00
193.20	0.00	193.72	0.00	194.24	0.00	194.76	0.00
193.21	0.00	193.73	0.00	194.25	0.00	194.77	0.00
193.22	0.00	193.74	0.00	194.26	0.00	194.78	0.00
193.23	0.00	193.75	0.00	194.27	0.00	194.79	0.00
193.24	0.00	193.76	0.00	194.28	0.00	194.80	0.00
193.25	0.00	193.77	0.00	194.29	0.00	194.81	0.00
193.26	0.00	193.78	0.00	194.30	0.00	194.82	0.00
193.27	0.00	193.79	0.00	194.31	0.00	194.83	0.00
193.28	0.00	193.80	0.00	194.32	0.00	194.84	0.00
193.29	0.00	193.81	0.00	194.33	0.00	194.85	0.00
193.30	0.00	193.82	0.00	194.34	0.00	194.86	0.00
193.31	0.00	193.83	0.00	194.35	0.00	194.87	0.00
193.32	0.00	193.84	0.00	194.36	0.00	194.88	0.00
193.33	0.00	193.85	0.00	194.37	0.00	194.89	0.00
193.34	0.00	193.86	0.00	194.38	0.00	194.90	0.00
193.35	0.00	193.87	0.00	194.39	0.00	194.91	0.00
193.36	0.00	193.88	0.00	194.40	0.00	194.92	0.00
193.37	0.00	193.89	0.00	194.41	0.00	194.93	0.00
193.38	0.00	193.90	0.00	194.42	0.00	194.94	0.00
193.39	0.00	193.91	0.00	194.43	0.00	194.95	0.00
193.40	0.00	193.92	0.00	194.44	0.00	194.96	0.00
193.41	0.00	193.93	0.00	194.45	0.00	194.97	0.00
193.42	0.00	193.94	0.00	194.46	0.00	194.98	0.00
193.43	0.00	193.95	0.00	194.47	0.00	194.99	0.00
193.44	0.00	193.96	0.00	194.48	0.00	195.00	0.00
193.45	0.00	193.97	0.00	194.49	0.00	195.01	0.00
193.46	0.00	193.98	0.00	194.50	0.00	195.02	0.00
193.47	0.00	193.99	0.00	194.51	0.00	195.03	0.00
193.48	0.00	194.00	0.00	194.52	0.00	195.04	0.00
193.49	0.00	194.01	0.00	194.53	0.00	195.05	0.00
193.50	0.00	194.02	0.00	194.54	0.00	195.06	0.00
193.51	0.00	194.03	0.00	194.55	0.00	195.07	0.00

Stage-Discharge for Pond B-52: Basin #52 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
195.08	0.00	195.60	0.11	196.12	0.16	196.64	2.21
195.09	0.00	195.61	0.11	196.13	0.16	196.65	2.32
195.10	0.00	195.62	0.11	196.14	0.16	196.66	2.42
195.11	0.00	195.63	0.11	196.15	0.16	196.67	2.53
195.12	0.00	195.64	0.11	196.16	0.16	196.68	2.64
195.13	0.00	195.65	0.11	196.17	0.16	196.69	2.75
195.14	0.01	195.66	0.11	196.18	0.16	196.70	2.86
195.15	0.01	195.67	0.11	196.19	0.16	196.71	2.98
195.16	0.01	195.68	0.12	196.20	0.17	196.72	3.09
195.17	0.01	195.69	0.12	196.21	0.17	196.73	3.21
195.18	0.02	195.70	0.12	196.22	0.17	196.74	3.33
195.19	0.02	195.71	0.12	196.23	0.17	196.75	3.45
195.20	0.02	195.72	0.12	196.24	0.17	196.76	3.57
195.21	0.03	195.73	0.12	196.25	0.17	196.77	3.69
195.22	0.03	195.74	0.12	196.26	0.17	196.78	3.82
195.23	0.03	195.75	0.12	196.27	0.17	196.79	3.94
195.24	0.04	195.76	0.12	196.28	0.17	196.80	4.07
195.25	0.04	195.77	0.13	196.29	0.17	196.81	4.20
195.26	0.05	195.78	0.13	196.30	0.17	196.82	4.33
195.27	0.05	195.79	0.13	196.31	0.17	196.83	4.46
195.28	0.05	195.80	0.13	196.32	0.17	196.84	4.59
195.29	0.05	195.81	0.13	196.33	0.18	196.85	4.72
195.30	0.06	195.82	0.13	196.34	0.18	196.86	4.85
195.31	0.06	195.83	0.13	196.35	0.18	196.87	4.99
195.32	0.06	195.84	0.13	196.36	0.19	196.88	5.13
195.33	0.06	195.85	0.13	196.37	0.22	196.89	5.26
195.34	0.06	195.86	0.13	196.38	0.25	196.90	5.40
195.35	0.07	195.87	0.14	196.39	0.28	196.91	5.54
195.36	0.07	195.88	0.14	196.40	0.33	196.92	5.68
195.37	0.07	195.89	0.14	196.41	0.37	196.93	5.83
195.38	0.07	195.90	0.14	196.42	0.42	196.94	5.97
195.39	0.07	195.91	0.14	196.43	0.48	196.95	6.11
195.40	0.08	195.92	0.14	196.44	0.54	196.96	6.26
195.41	0.08	195.93	0.14	196.45	0.60	196.97	6.41
195.42	0.08	195.94	0.14	196.46	0.66	196.98	6.55
195.43	0.08	195.95	0.14	196.47	0.73	196.99	6.70
195.44	0.08	195.96	0.14	196.48	0.80	197.00	6.85
195.45	0.08	195.97	0.15	196.49	0.87	197.01	7.00
195.46	0.09	195.98	0.15	196.50	0.94	197.02	7.16
195.47	0.09	195.99	0.15	196.51	1.02	197.03	7.31
195.48	0.09	196.00	0.15	196.52	1.10	197.04	7.46
195.49	0.09	196.01	0.15	196.53	1.18	197.05	7.62
195.50	0.09	196.02	0.15	196.54	1.26	197.06	7.77
195.51	0.09	196.03	0.15	196.55	1.35	197.07	7.93
195.52	0.10	196.04	0.15	196.56	1.44	197.08	8.09
195.53	0.10	196.05	0.15	196.57	1.53	197.09	8.24
195.54	0.10	196.06	0.15	196.58	1.62	197.10	8.40
195.55	0.10	196.07	0.15	196.59	1.71	197.11	8.56
195.56	0.10	196.08	0.16	196.60	1.81	197.12	8.73
195.57	0.10	196.09	0.16	196.61	1.91	197.13	8.89
195.58	0.10	196.10	0.16	196.62	2.01	197.14	9.05
195.59	0.10	196.11	0.16	196.63	2.11	197.15	9.22

Stage-Discharge for Pond B-52: Basin #52 (continued)

Elevation (feet)	Primary (cfs)
197.16	9.38
197.17	9.49
197.18	9.50
197.19	9.51
197.20	9.52
197.21	9.53
197.22	9.54
197.23	9.55
197.24	9.55
197.25	9.56
197.26	9.69
197.27	9.91
197.28	10.20
197.29	10.54
197.30	10.92
197.31	11.35
197.32	11.81
197.33	12.30
197.34	12.82
197.35	13.38
197.36	13.96
197.37	14.57
197.38	15.21
197.39	15.87
197.40	16.55
197.41	17.26
197.42	17.99
197.43	18.75
197.44	19.52
197.45	20.32
197.46	21.17
197.47	22.06
197.48	22.96
197.49	23.90
197.50	**24.85**

Stage-Area-Storage for Pond B-52: Basin #52

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
193.00	474	0	193.52	732	314
193.01	479	5	193.53	737	321
193.02	484	10	193.54	742	328
193.03	489	14	193.55	747	336
193.04	494	19	193.56	752	343
193.05	499	24	193.57	757	351
193.06	504	29	193.58	762	358
193.07	509	34	193.59	767	366
193.08	514	40	193.60	772	374
193.09	519	45	193.61	777	381
193.10	524	50	193.62	782	389
193.11	529	55	193.63	786	397
193.12	534	60	193.64	791	405
193.13	538	66	193.65	796	413
193.14	543	71	193.66	801	421
193.15	548	77	193.67	806	429
193.16	553	82	193.68	811	437
193.17	558	88	193.69	816	445
193.18	563	93	193.70	821	453
193.19	568	99	193.71	826	462
193.20	573	105	193.72	831	470
193.21	578	110	193.73	836	478
193.22	583	116	193.74	841	487
193.23	588	122	193.75	846	495
193.24	593	128	193.76	851	503
193.25	598	134	193.77	856	512
193.26	603	140	193.78	861	521
193.27	608	146	193.79	866	529
193.28	613	152	193.80	871	538
193.29	618	158	193.81	876	547
193.30	623	165	193.82	881	555
193.31	628	171	193.83	886	564
193.32	633	177	193.84	891	573
193.33	638	183	193.85	896	582
193.34	643	190	193.86	901	591
193.35	648	196	193.87	906	600
193.36	653	203	193.88	910	609
193.37	658	209	193.89	915	618
193.38	662	216	193.90	920	627
193.39	667	223	193.91	925	637
193.40	672	229	193.92	930	646
193.41	677	236	193.93	935	655
193.42	682	243	193.94	940	665
193.43	687	250	193.95	945	674
193.44	692	257	193.96	950	684
193.45	697	264	193.97	955	693
193.46	702	271	193.98	960	703
193.47	707	278	193.99	965	712
193.48	712	285	194.00	970	722
193.49	717	292	194.01	976	732
193.50	722	299	194.02	981	742
193.51	727	306	194.03	987	751

Stage-Area-Storage for Pond B-52: Basin #52 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
194.04	992	761	194.56	1,280	1,352
194.05	998	771	194.57	1,285	1,365
194.06	1,003	781	194.58	1,291	1,378
194.07	1,009	791	194.59	1,296	1,391
194.08	1,014	801	194.60	1,302	1,404
194.09	1,020	812	194.61	1,307	1,417
194.10	1,025	822	194.62	1,313	1,430
194.11	1,031	832	194.63	1,318	1,443
194.12	1,036	842	194.64	1,324	1,456
194.13	1,042	853	194.65	1,329	1,469
194.14	1,047	863	194.66	1,335	1,483
194.15	1,053	874	194.67	1,341	1,496
194.16	1,058	884	194.68	1,346	1,509
194.17	1,064	895	194.69	1,352	1,523
194.18	1,070	906	194.70	1,357	1,536
194.19	1,075	916	194.71	1,363	1,550
194.20	1,081	927	194.72	1,368	1,564
194.21	1,086	938	194.73	1,374	1,577
194.22	1,092	949	194.74	1,379	1,591
194.23	1,097	960	194.75	1,385	1,605
194.24	1,103	971	194.76	1,390	1,619
194.25	1,108	982	194.77	1,396	1,633
194.26	1,114	993	194.78	1,401	1,647
194.27	1,119	1,004	194.79	1,407	1,661
194.28	1,125	1,015	194.80	1,412	1,675
194.29	1,130	1,027	194.81	1,418	1,689
194.30	1,136	1,038	194.82	1,423	1,703
194.31	1,141	1,049	194.83	1,429	1,718
194.32	1,147	1,061	194.84	1,435	1,732
194.33	1,152	1,072	194.85	1,440	1,746
194.34	1,158	1,084	194.86	1,446	1,761
194.35	1,164	1,095	194.87	1,451	1,775
194.36	1,169	1,107	194.88	1,457	1,790
194.37	1,175	1,119	194.89	1,462	1,804
194.38	1,180	1,131	194.90	1,468	1,819
194.39	1,186	1,142	194.91	1,473	1,834
194.40	1,191	1,154	194.92	1,479	1,848
194.41	1,197	1,166	194.93	1,484	1,863
194.42	1,202	1,178	194.94	1,490	1,878
194.43	1,208	1,190	194.95	1,495	1,893
194.44	1,213	1,202	194.96	1,501	1,908
194.45	1,219	1,214	194.97	1,506	1,923
194.46	1,224	1,227	194.98	1,512	1,938
194.47	1,230	1,239	194.99	1,517	1,953
194.48	1,235	1,251	195.00	1,523	1,969
194.49	1,241	1,264	195.01	1,529	1,984
194.50	1,247	1,276	195.02	1,535	1,999
194.51	1,252	1,289	195.03	1,541	2,014
194.52	1,258	1,301	195.04	1,547	2,030
194.53	1,263	1,314	195.05	1,554	2,045
194.54	1,269	1,326	195.06	1,560	2,061
194.55	1,274	1,339	195.07	1,566	2,077

Stage-Area-Storage for Pond B-52: Basin #52 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
195.08	1,572	2,092	195.60	1,889	2,992
195.09	1,578	2,108	195.61	1,895	3,011
195.10	1,584	2,124	195.62	1,901	3,030
195.11	1,590	2,140	195.63	1,907	3,049
195.12	1,596	2,156	195.64	1,913	3,068
195.13	1,602	2,172	195.65	1,920	3,087
195.14	1,608	2,188	195.66	1,926	3,107
195.15	1,615	2,204	195.67	1,932	3,126
195.16	1,621	2,220	195.68	1,938	3,145
195.17	1,627	2,236	195.69	1,944	3,165
195.18	1,633	2,253	195.70	1,950	3,184
195.19	1,639	2,269	195.71	1,956	3,204
195.20	1,645	2,285	195.72	1,962	3,223
195.21	1,651	2,302	195.73	1,968	3,243
195.22	1,657	2,318	195.74	1,974	3,263
195.23	1,663	2,335	195.75	1,981	3,282
195.24	1,669	2,352	195.76	1,987	3,302
195.25	1,676	2,368	195.77	1,993	3,322
195.26	1,682	2,385	195.78	1,999	3,342
195.27	1,688	2,402	195.79	2,005	3,362
195.28	1,694	2,419	195.80	2,011	3,382
195.29	1,700	2,436	195.81	2,017	3,402
195.30	1,706	2,453	195.82	2,023	3,422
195.31	1,712	2,470	195.83	2,029	3,443
195.32	1,718	2,487	195.84	2,035	3,463
195.33	1,724	2,504	195.85	2,041	3,483
195.34	1,730	2,522	195.86	2,048	3,504
195.35	1,736	2,539	195.87	2,054	3,524
195.36	1,743	2,556	195.88	2,060	3,545
195.37	1,749	2,574	195.89	2,066	3,566
195.38	1,755	2,591	195.90	2,072	3,586
195.39	1,761	2,609	195.91	2,078	3,607
195.40	1,767	2,627	195.92	2,084	3,628
195.41	1,773	2,644	195.93	2,090	3,649
195.42	1,779	2,662	195.94	2,096	3,670
195.43	1,785	2,680	195.95	2,102	3,691
195.44	1,791	2,698	195.96	2,109	3,712
195.45	1,797	2,716	195.97	2,115	3,733
195.46	1,804	2,734	195.98	2,121	3,754
195.47	1,810	2,752	195.99	2,127	3,775
195.48	1,816	2,770	196.00	2,133	3,797
195.49	1,822	2,788	196.01	2,140	3,818
195.50	1,828	2,806	196.02	2,146	3,839
195.51	1,834	2,825	196.03	2,153	3,861
195.52	1,840	2,843	196.04	2,160	3,882
195.53	1,846	2,861	196.05	2,166	3,904
195.54	1,852	2,880	196.06	2,173	3,926
195.55	1,859	2,898	196.07	2,180	3,947
195.56	1,865	2,917	196.08	2,186	3,969
195.57	1,871	2,936	196.09	2,193	3,991
195.58	1,877	2,954	196.10	2,200	4,013
195.59	1,883	2,973	196.11	2,206	4,035

Stage-Area-Storage for Pond B-52: Basin #52 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
196.12	2,213	4,057	196.64	2,559	5,298
196.13	2,220	4,079	196.65	2,566	5,324
196.14	2,226	4,102	196.66	2,573	5,349
196.15	2,233	4,124	196.67	2,579	5,375
196.16	2,240	4,146	196.68	2,586	5,401
196.17	2,246	4,169	196.69	2,593	5,427
196.18	2,253	4,191	196.70	2,599	5,453
196.19	2,260	4,214	196.71	2,606	5,479
196.20	2,266	4,236	196.72	2,613	5,505
196.21	2,273	4,259	196.73	2,619	5,531
196.22	2,280	4,282	196.74	2,626	5,557
196.23	2,286	4,305	196.75	2,633	5,584
196.24	2,293	4,328	196.76	2,639	5,610
196.25	2,300	4,351	196.77	2,646	5,636
196.26	2,306	4,374	196.78	2,652	5,663
196.27	2,313	4,397	196.79	2,659	5,689
196.28	2,319	4,420	196.80	2,666	5,716
196.29	2,326	4,443	196.81	2,672	5,743
196.30	2,333	4,466	196.82	2,679	5,769
196.31	2,339	4,490	196.83	2,686	5,796
196.32	2,346	4,513	196.84	2,692	5,823
196.33	2,353	4,537	196.85	2,699	5,850
196.34	2,359	4,560	196.86	2,706	5,877
196.35	2,366	4,584	196.87	2,712	5,904
196.36	2,373	4,608	196.88	2,719	5,931
196.37	2,379	4,631	196.89	2,726	5,959
196.38	2,386	4,655	196.90	2,732	5,986
196.39	2,393	4,679	196.91	2,739	6,013
196.40	2,399	4,703	196.92	2,746	6,041
196.41	2,406	4,727	196.93	2,752	6,068
196.42	2,413	4,751	196.94	2,759	6,096
196.43	2,419	4,775	196.95	2,766	6,123
196.44	2,426	4,799	196.96	2,772	6,151
196.45	2,433	4,824	196.97	2,779	6,179
196.46	2,439	4,848	196.98	2,786	6,207
196.47	2,446	4,873	196.99	2,792	6,235
196.48	2,453	4,897	197.00	2,799	6,263
196.49	2,459	4,922	197.01	2,806	6,291
196.50	2,466	4,946	197.02	2,813	6,319
196.51	2,473	4,971	197.03	2,820	6,347
196.52	2,479	4,996	197.04	2,827	6,375
196.53	2,486	5,021	197.05	2,835	6,403
196.54	2,493	5,045	197.06	2,842	6,432
196.55	2,499	5,070	197.07	2,849	6,460
196.56	2,506	5,095	197.08	2,856	6,489
196.57	2,513	5,121	197.09	2,863	6,517
196.58	2,519	5,146	197.10	2,870	6,546
196.59	2,526	5,171	197.11	2,877	6,575
196.60	2,533	5,196	197.12	2,884	6,603
196.61	2,539	5,222	197.13	2,891	6,632
196.62	2,546	5,247	197.14	2,898	6,661
196.63	2,553	5,272	197.15	2,906	6,690

Stage-Area-Storage for Pond B-52: Basin #52 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
197.16	2,913	6,719
197.17	2,920	6,749
197.18	2,927	6,778
197.19	2,934	6,807
197.20	2,941	6,836
197.21	2,948	6,866
197.22	2,955	6,895
197.23	2,962	6,925
197.24	2,969	6,955
197.25	2,977	6,984
197.26	2,984	7,014
197.27	2,991	7,044
197.28	2,998	7,074
197.29	3,005	7,104
197.30	3,012	7,134
197.31	3,019	7,164
197.32	3,026	7,195
197.33	3,033	7,225
197.34	3,040	7,255
197.35	3,047	7,286
197.36	3,055	7,316
197.37	3,062	7,347
197.38	3,069	7,377
197.39	3,076	7,408
197.40	3,083	7,439
197.41	3,090	7,470
197.42	3,097	7,501
197.43	3,104	7,532
197.44	3,111	7,563
197.45	3,118	7,594
197.46	3,126	7,625
197.47	3,133	7,656
197.48	3,140	7,688
197.49	3,147	7,719
197.50	**3,154**	**7,751**

Summary for Pond B-53: Basin #53

Inflow Area = 2.540 ac, 47.80% Impervious, Inflow Depth = 3.57" for Current 10 yr event
Inflow = 11.37 cfs @ 12.10 hrs, Volume= 0.756 af
Outflow = 5.54 cfs @ 12.20 hrs, Volume= 0.644 af, Atten= 51%, Lag= 6.6 min
Primary = 5.54 cfs @ 12.20 hrs, Volume= 0.644 af
Routed to Pond B-51 : Basin #51

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 202.56' @ 12.20 hrs Surf.Area= 4,749 sf Storage= 12,158 cf

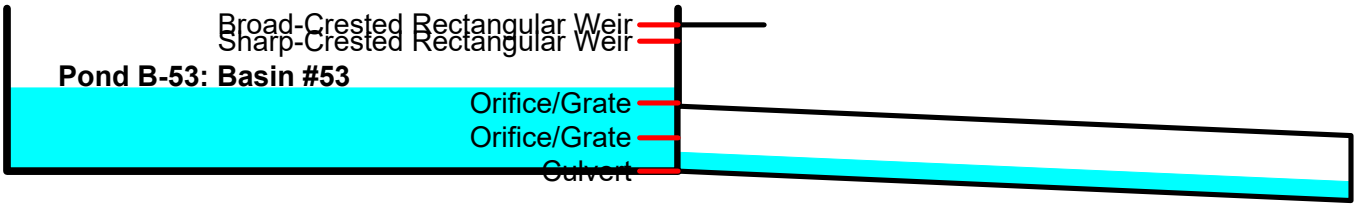
Plug-Flow detention time= 149.3 min calculated for 0.643 af (85% of inflow)
Center-of-Mass det. time= 81.2 min (860.1 - 778.9)

Volume	Invert	Avail.Storage	Storage Description
#1	200.00'	23,745 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

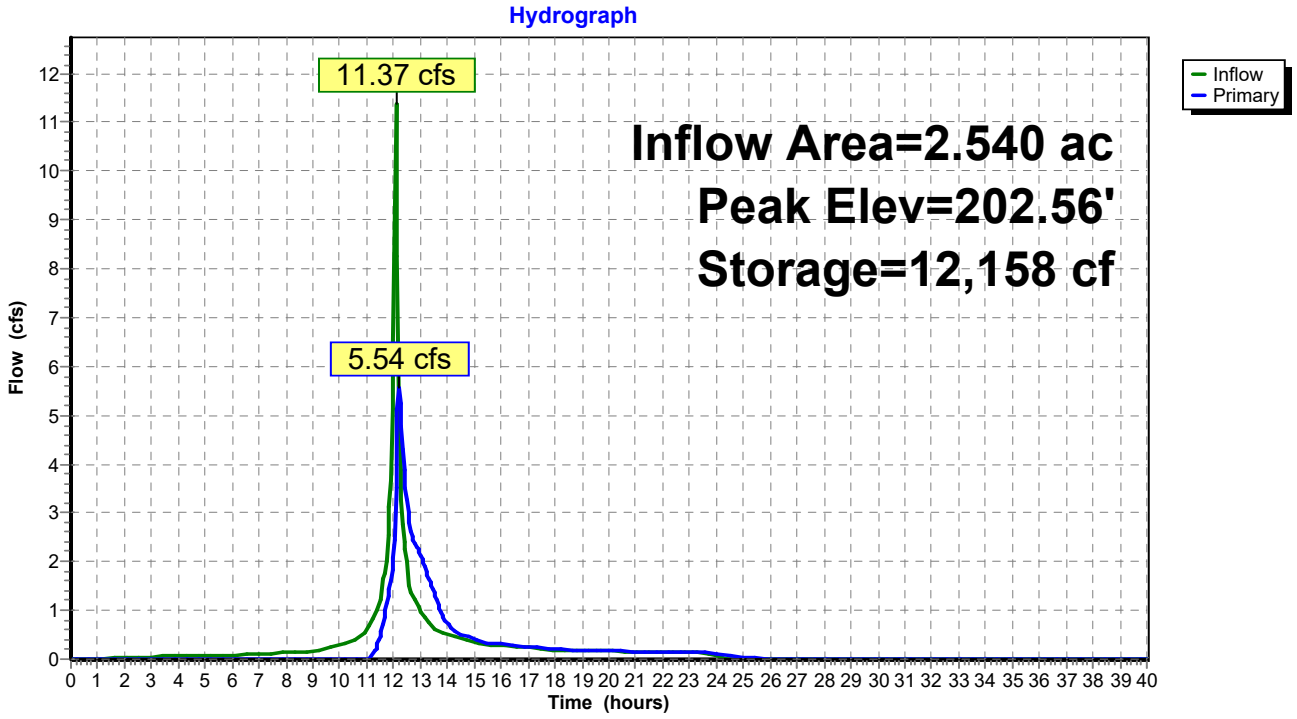
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
200.00	4,749	0	0
201.00	4,749	4,749	4,749
202.00	4,749	4,749	9,498
203.00	4,749	4,749	14,247
204.00	4,749	4,749	18,996
205.00	4,749	4,749	23,745

Device	Routing	Invert	Outlet Devices
#1	Primary	200.00'	**24.0" Round Culvert** L= 39.0' Ke= 0.500 Inlet / Outlet Invert= 200.00' / 199.10' S= 0.0231 '/' Cc= 0.900 n= 0.013, Flow Area= 3.14 sf
#2	Device 1	201.03'	**20.0" W x 4.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	202.10'	**29.0" W x 6.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Device 1	204.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#5	Primary	204.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=5.51 cfs @ 12.20 hrs HW=202.56' (Free Discharge)
- **1=Culvert** (Passes 5.51 cfs of 18.87 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 3.12 cfs @ 5.61 fps)
  - **3=Orifice/Grate** (Orifice Controls 2.39 cfs @ 2.17 fps)
  - **4=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **5=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-53: Basin #53



Hydrograph for Pond B-53: Basin #53

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	200.00	0.00
0.10	0.00	0	200.00	0.00
0.20	0.00	0	200.00	0.00
0.30	0.00	0	200.00	0.00
0.40	0.00	0	200.00	0.00
0.50	0.00	0	200.00	0.00
0.60	0.00	0	200.00	0.00
0.70	0.00	0	200.00	0.00
0.80	0.00	0	200.00	0.00
0.90	0.00	1	200.00	0.00
1.00	0.01	2	200.00	0.00
1.10	0.01	5	200.00	0.00
1.20	0.01	10	200.00	0.00
1.30	0.02	15	200.00	0.00
1.40	0.02	21	200.00	0.00
1.50	0.02	28	200.01	0.00
1.60	0.02	36	200.01	0.00
1.70	0.03	46	200.01	0.00
1.80	0.03	56	200.01	0.00
1.90	0.03	66	200.01	0.00
2.00	0.03	78	200.02	0.00
2.10	0.04	90	200.02	0.00
2.20	0.04	103	200.02	0.00
2.30	0.04	117	200.02	0.00
2.40	0.04	132	200.03	0.00
2.50	0.04	147	200.03	0.00
2.60	0.04	163	200.03	0.00
2.70	0.05	179	200.04	0.00
2.80	0.05	196	200.04	0.00
2.90	0.05	214	200.05	0.00
3.00	0.05	233	200.05	0.00
3.10	0.05	251	200.05	0.00
3.20	0.05	271	200.06	0.00
3.30	0.06	291	200.06	0.00
3.40	0.06	311	200.07	0.00
3.50	0.06	332	200.07	0.00
3.60	0.06	354	200.07	0.00
3.70	0.06	375	200.08	0.00
3.80	0.06	398	200.08	0.00
3.90	0.06	421	200.09	0.00
4.00	0.07	444	200.09	0.00
4.10	0.07	468	200.10	0.00
4.20	0.07	492	200.10	0.00
4.30	0.07	517	200.11	0.00
4.40	0.07	542	200.11	0.00
4.50	0.07	567	200.12	0.00
4.60	0.07	593	200.12	0.00
4.70	0.07	619	200.13	0.00
4.80	0.07	646	200.14	0.00
4.90	0.08	673	200.14	0.00
5.00	0.08	700	200.15	0.00
5.10	0.08	728	200.15	0.00

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.08	756	200.16	0.00
5.30	0.08	785	200.17	0.00
5.40	0.08	814	200.17	0.00
5.50	0.08	843	200.18	0.00
5.60	0.08	873	200.18	0.00
5.70	0.08	903	200.19	0.00
5.80	0.08	933	200.20	0.00
5.90	0.09	964	200.20	0.00
6.00	0.09	995	200.21	0.00
6.10	0.09	1,026	200.22	0.00
6.20	0.09	1,058	200.22	0.00
6.30	0.09	1,092	200.23	0.00
6.40	0.10	1,126	200.24	0.00
6.50	0.10	1,161	200.24	0.00
6.60	0.10	1,197	200.25	0.00
6.70	0.10	1,234	200.26	0.00
6.80	0.11	1,272	200.27	0.00
6.90	0.11	1,311	200.28	0.00
7.00	0.11	1,351	200.28	0.00
7.10	0.11	1,392	200.29	0.00
7.20	0.12	1,434	200.30	0.00
7.30	0.12	1,476	200.31	0.00
7.40	0.12	1,520	200.32	0.00
7.50	0.13	1,564	200.33	0.00
7.60	0.13	1,610	200.34	0.00
7.70	0.13	1,656	200.35	0.00
7.80	0.13	1,703	200.36	0.00
7.90	0.14	1,752	200.37	0.00
8.00	0.14	1,801	200.38	0.00
8.10	0.14	1,851	200.39	0.00
8.20	0.14	1,902	200.40	0.00
8.30	0.15	1,955	200.41	0.00
8.40	0.15	2,007	200.42	0.00
8.50	0.15	2,061	200.43	0.00
8.60	0.15	2,116	200.45	0.00
8.70	0.16	2,172	200.46	0.00
8.80	0.16	2,229	200.47	0.00
8.90	0.16	2,287	200.48	0.00
9.00	0.17	2,347	200.49	0.00
9.10	0.18	2,409	200.51	0.00
9.20	0.19	2,475	200.52	0.00
9.30	0.20	2,545	200.54	0.00
9.40	0.21	2,619	200.55	0.00
9.50	0.22	2,698	200.57	0.00
9.60	0.24	2,781	200.59	0.00
9.70	0.25	2,868	200.60	0.00
9.80	0.26	2,960	200.62	0.00
9.90	0.28	3,057	200.64	0.00
10.00	0.29	3,158	200.66	0.00
10.10	0.30	3,264	200.69	0.00
10.20	0.32	3,375	200.71	0.00
10.30	0.33	3,492	200.74	0.00

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.34	3,613	200.76	0.00
10.50	0.36	3,740	200.79	0.00
10.60	0.40	3,877	200.82	0.00
10.70	0.45	4,030	200.85	0.00
10.80	0.50	4,200	200.88	0.00
10.90	0.55	4,388	200.92	0.00
11.00	0.60	4,595	200.97	0.00
11.10	0.69	4,827	201.02	0.00
11.20	0.79	5,086	201.07	0.05
11.30	0.89	5,350	201.13	0.16
11.40	0.99	5,602	201.18	0.31
11.50	1.08	5,834	201.23	0.48
11.60	1.65	6,115	201.29	0.70
11.70	1.85	6,443	201.36	1.00
11.80	2.55	6,824	201.44	1.28
11.90	3.68	7,428	201.56	1.61
12.00	6.53	8,606	201.81	2.09
12.10	**11.35**	10,924	202.30	3.50
12.20	5.09	**12,156**	**202.56**	**5.54**
12.30	3.27	11,735	202.47	4.77
12.40	2.39	11,185	202.36	3.88
12.50	2.20	10,731	202.26	3.25
12.60	1.51	10,306	202.17	2.79
12.70	1.35	9,869	202.08	2.51
12.80	1.24	9,454	201.99	2.38
12.90	1.12	9,045	201.90	2.25
13.00	1.01	8,644	201.82	2.11
13.10	0.89	8,253	201.74	1.96
13.20	0.82	7,882	201.66	1.81
13.30	0.76	7,541	201.59	1.66
13.40	0.70	7,233	201.52	1.51
13.50	0.63	6,955	201.46	1.36
13.60	0.57	6,710	201.41	1.21
13.70	0.55	6,506	201.37	1.05
13.80	0.53	6,349	201.34	0.91
13.90	0.52	6,230	201.31	0.80
14.00	0.50	6,140	201.29	0.72
14.10	0.49	6,068	201.28	0.66
14.20	0.47	6,010	201.27	0.61
14.30	0.45	5,962	201.26	0.57
14.40	0.44	5,922	201.25	0.54
14.50	0.42	5,886	201.24	0.51
14.60	0.40	5,853	201.23	0.49
14.70	0.39	5,822	201.23	0.47
14.80	0.37	5,794	201.22	0.45
14.90	0.35	5,767	201.21	0.43
15.00	0.34	5,741	201.21	0.41
15.10	0.32	5,716	201.20	0.39
15.20	0.31	5,693	201.20	0.37
15.30	0.31	5,674	201.19	0.36
15.40	0.31	5,657	201.19	0.35
15.50	0.30	5,642	201.19	0.34

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.30	5,629	201.19	0.33
15.70	0.29	5,618	201.18	0.32
15.80	0.29	5,607	201.18	0.32
15.90	0.28	5,597	201.18	0.31
16.00	0.28	5,588	201.18	0.30
16.10	0.27	5,579	201.17	0.30
16.20	0.27	5,571	201.17	0.29
16.30	0.27	5,563	201.17	0.29
16.40	0.26	5,555	201.17	0.28
16.50	0.26	5,547	201.17	0.28
16.60	0.25	5,540	201.17	0.27
16.70	0.25	5,532	201.16	0.27
16.80	0.24	5,525	201.16	0.26
16.90	0.24	5,518	201.16	0.26
17.00	0.23	5,511	201.16	0.25
17.10	0.23	5,504	201.16	0.25
17.20	0.23	5,497	201.16	0.25
17.30	0.22	5,490	201.16	0.24
17.40	0.22	5,482	201.15	0.24
17.50	0.21	5,476	201.15	0.23
17.60	0.21	5,469	201.15	0.23
17.70	0.20	5,462	201.15	0.22
17.80	0.20	5,454	201.15	0.22
17.90	0.19	5,447	201.15	0.21
18.00	0.19	5,439	201.15	0.21
18.10	0.19	5,432	201.14	0.21
18.20	0.18	5,424	201.14	0.20
18.30	0.18	5,418	201.14	0.20
18.40	0.18	5,412	201.14	0.20
18.50	0.18	5,407	201.14	0.19
18.60	0.18	5,402	201.14	0.19
18.70	0.18	5,398	201.14	0.19
18.80	0.18	5,394	201.14	0.19
18.90	0.18	5,391	201.14	0.19
19.00	0.18	5,387	201.13	0.18
19.10	0.17	5,384	201.13	0.18
19.20	0.17	5,381	201.13	0.18
19.30	0.17	5,378	201.13	0.18
19.40	0.17	5,376	201.13	0.18
19.50	0.17	5,373	201.13	0.18
19.60	0.17	5,371	201.13	0.18
19.70	0.17	5,368	201.13	0.17
19.80	0.17	5,366	201.13	0.17
19.90	0.17	5,364	201.13	0.17
20.00	0.16	5,361	201.13	0.17
20.10	0.16	5,359	201.13	0.17
20.20	0.16	5,357	201.13	0.17
20.30	0.16	5,354	201.13	0.17
20.40	0.16	5,352	201.13	0.17
20.50	0.16	5,350	201.13	0.16
20.60	0.16	5,348	201.13	0.16
20.70	0.16	5,346	201.13	0.16

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.15	5,344	201.13	0.16
20.90	0.15	5,341	201.12	0.16
21.00	0.15	5,339	201.12	0.16
21.10	0.15	5,337	201.12	0.16
21.20	0.15	5,335	201.12	0.16
21.30	0.15	5,333	201.12	0.16
21.40	0.15	5,331	201.12	0.15
21.50	0.15	5,328	201.12	0.15
21.60	0.15	5,326	201.12	0.15
21.70	0.14	5,324	201.12	0.15
21.80	0.14	5,322	201.12	0.15
21.90	0.14	5,320	201.12	0.15
22.00	0.14	5,317	201.12	0.15
22.10	0.14	5,315	201.12	0.15
22.20	0.14	5,313	201.12	0.15
22.30	0.14	5,311	201.12	0.14
22.40	0.14	5,309	201.12	0.14
22.50	0.14	5,307	201.12	0.14
22.60	0.14	5,305	201.12	0.14
22.70	0.13	5,302	201.12	0.14
22.80	0.13	5,300	201.12	0.14
22.90	0.13	5,298	201.12	0.14
23.00	0.13	5,296	201.12	0.14
23.10	0.13	5,294	201.11	0.14
23.20	0.13	5,291	201.11	0.13
23.30	0.13	5,289	201.11	0.13
23.40	0.13	5,287	201.11	0.13
23.50	0.12	5,285	201.11	0.13
23.60	0.12	5,283	201.11	0.13
23.70	0.12	5,281	201.11	0.13
23.80	0.12	5,278	201.11	0.13
23.90	0.12	5,276	201.11	0.13
24.00	0.14	5,279	201.11	0.13
24.10	0.01	5,261	201.11	0.12
24.20	0.00	5,224	201.10	0.10
24.30	0.00	5,190	201.09	0.09
24.40	0.00	5,161	201.09	0.08
24.50	0.00	5,135	201.08	0.07
24.60	0.00	5,112	201.08	0.06
24.70	0.00	5,092	201.07	0.05
24.80	0.00	5,074	201.07	0.05
24.90	0.00	5,059	201.07	0.04
25.00	0.00	5,045	201.06	0.04
25.10	0.00	5,033	201.06	0.03
25.20	0.00	5,022	201.06	0.03
25.30	0.00	5,013	201.06	0.02
25.40	0.00	5,004	201.05	0.02
25.50	0.00	4,997	201.05	0.02
25.60	0.00	4,991	201.05	0.02
25.70	0.00	4,985	201.05	0.01
25.80	0.00	4,980	201.05	0.01
25.90	0.00	4,975	201.05	0.01

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	4,970	201.05	0.01
26.10	0.00	4,966	201.05	0.01
26.20	0.00	4,962	201.04	0.01
26.30	0.00	4,958	201.04	0.01
26.40	0.00	4,954	201.04	0.01
26.50	0.00	4,951	201.04	0.01
26.60	0.00	4,947	201.04	0.01
26.70	0.00	4,944	201.04	0.01
26.80	0.00	4,941	201.04	0.01
26.90	0.00	4,939	201.04	0.01
27.00	0.00	4,936	201.04	0.01
27.10	0.00	4,933	201.04	0.01
27.20	0.00	4,931	201.04	0.01
27.30	0.00	4,929	201.04	0.01
27.40	0.00	4,927	201.04	0.01
27.50	0.00	4,925	201.04	0.01
27.60	0.00	4,923	201.04	0.01
27.70	0.00	4,921	201.04	0.00
27.80	0.00	4,920	201.04	0.00
27.90	0.00	4,918	201.04	0.00
28.00	0.00	4,917	201.04	0.00
28.10	0.00	4,915	201.03	0.00
28.20	0.00	4,914	201.03	0.00
28.30	0.00	4,913	201.03	0.00
28.40	0.00	4,911	201.03	0.00
28.50	0.00	4,910	201.03	0.00
28.60	0.00	4,909	201.03	0.00
28.70	0.00	4,908	201.03	0.00
28.80	0.00	4,907	201.03	0.00
28.90	0.00	4,906	201.03	0.00
29.00	0.00	4,906	201.03	0.00
29.10	0.00	4,905	201.03	0.00
29.20	0.00	4,904	201.03	0.00
29.30	0.00	4,903	201.03	0.00
29.40	0.00	4,903	201.03	0.00
29.50	0.00	4,902	201.03	0.00
29.60	0.00	4,901	201.03	0.00
29.70	0.00	4,901	201.03	0.00
29.80	0.00	4,900	201.03	0.00
29.90	0.00	4,900	201.03	0.00
30.00	0.00	4,899	201.03	0.00
30.10	0.00	4,899	201.03	0.00
30.20	0.00	4,899	201.03	0.00
30.30	0.00	4,898	201.03	0.00
30.40	0.00	4,898	201.03	0.00
30.50	0.00	4,897	201.03	0.00
30.60	0.00	4,897	201.03	0.00
30.70	0.00	4,897	201.03	0.00
30.80	0.00	4,896	201.03	0.00
30.90	0.00	4,896	201.03	0.00
31.00	0.00	4,896	201.03	0.00
31.10	0.00	4,896	201.03	0.00

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	4,895	201.03	0.00
31.30	0.00	4,895	201.03	0.00
31.40	0.00	4,895	201.03	0.00
31.50	0.00	4,895	201.03	0.00
31.60	0.00	4,895	201.03	0.00
31.70	0.00	4,894	201.03	0.00
31.80	0.00	4,894	201.03	0.00
31.90	0.00	4,894	201.03	0.00
32.00	0.00	4,894	201.03	0.00
32.10	0.00	4,894	201.03	0.00
32.20	0.00	4,894	201.03	0.00
32.30	0.00	4,894	201.03	0.00
32.40	0.00	4,893	201.03	0.00
32.50	0.00	4,893	201.03	0.00
32.60	0.00	4,893	201.03	0.00
32.70	0.00	4,893	201.03	0.00
32.80	0.00	4,893	201.03	0.00
32.90	0.00	4,893	201.03	0.00
33.00	0.00	4,893	201.03	0.00
33.10	0.00	4,893	201.03	0.00
33.20	0.00	4,893	201.03	0.00
33.30	0.00	4,893	201.03	0.00
33.40	0.00	4,893	201.03	0.00
33.50	0.00	4,893	201.03	0.00
33.60	0.00	4,892	201.03	0.00
33.70	0.00	4,892	201.03	0.00
33.80	0.00	4,892	201.03	0.00
33.90	0.00	4,892	201.03	0.00
34.00	0.00	4,892	201.03	0.00
34.10	0.00	4,892	201.03	0.00
34.20	0.00	4,892	201.03	0.00
34.30	0.00	4,892	201.03	0.00
34.40	0.00	4,892	201.03	0.00
34.50	0.00	4,892	201.03	0.00
34.60	0.00	4,892	201.03	0.00
34.70	0.00	4,892	201.03	0.00
34.80	0.00	4,892	201.03	0.00
34.90	0.00	4,892	201.03	0.00
35.00	0.00	4,892	201.03	0.00
35.10	0.00	4,892	201.03	0.00
35.20	0.00	4,892	201.03	0.00
35.30	0.00	4,892	201.03	0.00
35.40	0.00	4,892	201.03	0.00
35.50	0.00	4,892	201.03	0.00
35.60	0.00	4,892	201.03	0.00
35.70	0.00	4,892	201.03	0.00
35.80	0.00	4,892	201.03	0.00
35.90	0.00	4,892	201.03	0.00
36.00	0.00	4,892	201.03	0.00
36.10	0.00	4,892	201.03	0.00
36.20	0.00	4,892	201.03	0.00
36.30	0.00	4,892	201.03	0.00

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	4,892	201.03	0.00
36.50	0.00	4,892	201.03	0.00
36.60	0.00	4,892	201.03	0.00
36.70	0.00	4,892	201.03	0.00
36.80	0.00	4,892	201.03	0.00
36.90	0.00	4,892	201.03	0.00
37.00	0.00	4,892	201.03	0.00
37.10	0.00	4,892	201.03	0.00
37.20	0.00	4,892	201.03	0.00
37.30	0.00	4,892	201.03	0.00
37.40	0.00	4,892	201.03	0.00
37.50	0.00	4,892	201.03	0.00
37.60	0.00	4,892	201.03	0.00
37.70	0.00	4,892	201.03	0.00
37.80	0.00	4,892	201.03	0.00
37.90	0.00	4,892	201.03	0.00
38.00	0.00	4,892	201.03	0.00
38.10	0.00	4,892	201.03	0.00
38.20	0.00	4,892	201.03	0.00
38.30	0.00	4,892	201.03	0.00
38.40	0.00	4,892	201.03	0.00
38.50	0.00	4,892	201.03	0.00
38.60	0.00	4,892	201.03	0.00
38.70	0.00	4,892	201.03	0.00
38.80	0.00	4,892	201.03	0.00
38.90	0.00	4,892	201.03	0.00
39.00	0.00	4,892	201.03	0.00
39.10	0.00	4,892	201.03	0.00
39.20	0.00	4,892	201.03	0.00
39.30	0.00	4,892	201.03	0.00
39.40	0.00	4,892	201.03	0.00
39.50	0.00	4,892	201.03	0.00
39.60	0.00	4,892	201.03	0.00
39.70	0.00	4,892	201.03	0.00
39.80	0.00	4,891	201.03	0.00
39.90	0.00	4,891	201.03	0.00
40.00	0.00	4,891	201.03	0.00

Stage-Discharge for Pond B-53: Basin #53

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
200.00	0.00	200.52	0.00	201.04	0.01	201.56	1.60
200.01	0.00	200.53	0.00	201.05	0.02	201.57	1.62
200.02	0.00	200.54	0.00	201.06	0.03	201.58	1.64
200.03	0.00	200.55	0.00	201.07	0.04	201.59	1.66
200.04	0.00	200.56	0.00	201.08	0.06	201.60	1.69
200.05	0.00	200.57	0.00	201.09	0.08	201.61	1.71
200.06	0.00	200.58	0.00	201.10	0.10	201.62	1.73
200.07	0.00	200.59	0.00	201.11	0.12	201.63	1.75
200.08	0.00	200.60	0.00	201.12	0.14	201.64	1.77
200.09	0.00	200.61	0.00	201.13	0.17	201.65	1.79
200.10	0.00	200.62	0.00	201.14	0.20	201.66	1.81
200.11	0.00	200.63	0.00	201.15	0.22	201.67	1.83
200.12	0.00	200.64	0.00	201.16	0.25	201.68	1.85
200.13	0.00	200.65	0.00	201.17	0.28	201.69	1.87
200.14	0.00	200.66	0.00	201.18	0.31	201.70	1.89
200.15	0.00	200.67	0.00	201.19	0.34	201.71	1.91
200.16	0.00	200.68	0.00	201.20	0.37	201.72	1.93
200.17	0.00	200.69	0.00	201.21	0.41	201.73	1.95
200.18	0.00	200.70	0.00	201.22	0.44	201.74	1.96
200.19	0.00	200.71	0.00	201.23	0.48	201.75	1.98
200.20	0.00	200.72	0.00	201.24	0.51	201.76	2.00
200.21	0.00	200.73	0.00	201.25	0.55	201.77	2.02
200.22	0.00	200.74	0.00	201.26	0.59	201.78	2.04
200.23	0.00	200.75	0.00	201.27	0.63	201.79	2.05
200.24	0.00	200.76	0.00	201.28	0.67	201.80	2.07
200.25	0.00	200.77	0.00	201.29	0.71	201.81	2.09
200.26	0.00	200.78	0.00	201.30	0.75	201.82	2.11
200.27	0.00	200.79	0.00	201.31	0.79	201.83	2.12
200.28	0.00	200.80	0.00	201.32	0.84	201.84	2.14
200.29	0.00	200.81	0.00	201.33	0.88	201.85	2.16
200.30	0.00	200.82	0.00	201.34	0.92	201.86	2.17
200.31	0.00	200.83	0.00	201.35	0.97	201.87	2.19
200.32	0.00	200.84	0.00	201.36	1.01	201.88	2.21
200.33	0.00	200.85	0.00	201.37	1.06	201.89	2.22
200.34	0.00	200.86	0.00	201.38	1.10	201.90	2.24
200.35	0.00	200.87	0.00	201.39	1.13	201.91	2.25
200.36	0.00	200.88	0.00	201.40	1.17	201.92	2.27
200.37	0.00	200.89	0.00	201.41	1.20	201.93	2.29
200.38	0.00	200.90	0.00	201.42	1.23	201.94	2.30
200.39	0.00	200.91	0.00	201.43	1.26	201.95	2.32
200.40	0.00	200.92	0.00	201.44	1.29	201.96	2.33
200.41	0.00	200.93	0.00	201.45	1.32	201.97	2.35
200.42	0.00	200.94	0.00	201.46	1.35	201.98	2.36
200.43	0.00	200.95	0.00	201.47	1.38	201.99	2.38
200.44	0.00	200.96	0.00	201.48	1.40	202.00	2.39
200.45	0.00	200.97	0.00	201.49	1.43	202.01	2.41
200.46	0.00	200.98	0.00	201.50	1.45	202.02	2.42
200.47	0.00	200.99	0.00	201.51	1.48	202.03	2.44
200.48	0.00	201.00	0.00	201.52	1.50	202.04	2.45
200.49	0.00	201.01	0.00	201.53	1.53	202.05	2.47
200.50	0.00	201.02	0.00	201.54	1.55	202.06	2.48
200.51	0.00	201.03	0.00	201.55	1.57	202.07	2.50

Stage-Discharge for Pond B-53: Basin #53 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
202.08	2.51	202.60	5.91	203.12	8.79	203.64	10.78
202.09	2.52	202.61	6.00	203.13	8.83	203.65	10.81
202.10	2.54	202.62	6.08	203.14	8.88	203.66	10.85
202.11	2.56	202.63	6.15	203.15	8.92	203.67	10.88
202.12	2.59	202.64	6.23	203.16	8.96	203.68	10.91
202.13	2.62	202.65	6.30	203.17	9.00	203.69	10.95
202.14	2.66	202.66	6.37	203.18	9.05	203.70	10.98
202.15	2.70	202.67	6.44	203.19	9.09	203.71	11.02
202.16	2.74	202.68	6.51	203.20	9.13	203.72	11.05
202.17	2.78	202.69	6.57	203.21	9.17	203.73	11.08
202.18	2.82	202.70	6.64	203.22	9.21	203.74	11.12
202.19	2.87	202.71	6.70	203.23	9.25	203.75	11.15
202.20	2.92	202.72	6.76	203.24	9.29	203.76	11.18
202.21	2.97	202.73	6.83	203.25	9.33	203.77	11.21
202.22	3.03	202.74	6.89	203.26	9.37	203.78	11.25
202.23	3.08	202.75	6.95	203.27	9.41	203.79	11.28
202.24	3.14	202.76	7.01	203.28	9.45	203.80	11.31
202.25	3.19	202.77	7.06	203.29	9.49	203.81	11.34
202.26	3.25	202.78	7.12	203.30	9.53	203.82	11.38
202.27	3.31	202.79	7.18	203.31	9.57	203.83	11.41
202.28	3.37	202.80	7.24	203.32	9.61	203.84	11.44
202.29	3.44	202.81	7.29	203.33	9.65	203.85	11.47
202.30	3.50	202.82	7.35	203.34	9.69	203.86	11.51
202.31	3.57	202.83	7.40	203.35	9.73	203.87	11.54
202.32	3.63	202.84	7.45	203.36	9.77	203.88	11.57
202.33	3.70	202.85	7.51	203.37	9.80	203.89	11.60
202.34	3.77	202.86	7.56	203.38	9.84	203.90	11.63
202.35	3.84	202.87	7.61	203.39	9.88	203.91	11.66
202.36	3.91	202.88	7.66	203.40	9.92	203.92	11.70
202.37	3.98	202.89	7.72	203.41	9.95	203.93	11.73
202.38	4.06	202.90	7.77	203.42	9.99	203.94	11.76
202.39	4.13	202.91	7.82	203.43	10.03	203.95	11.79
202.40	4.21	202.92	7.87	203.44	10.07	203.96	11.82
202.41	4.28	202.93	7.92	203.45	10.10	203.97	11.85
202.42	4.36	202.94	7.96	203.46	10.14	203.98	11.88
202.43	4.44	202.95	8.01	203.47	10.18	203.99	11.91
202.44	4.52	202.96	8.06	203.48	10.21	204.00	11.94
202.45	4.60	202.97	8.11	203.49	10.25	204.01	11.99
202.46	4.68	202.98	8.16	203.50	10.29	204.02	12.04
202.47	4.76	202.99	8.20	203.51	10.32	204.03	12.10
202.48	4.85	203.00	8.25	203.52	10.36	204.04	12.17
202.49	4.93	203.01	8.30	203.53	10.39	204.05	12.24
202.50	5.01	203.02	8.34	203.54	10.43	204.06	12.32
202.51	5.10	203.03	8.39	203.55	10.46	204.07	12.40
202.52	5.19	203.04	8.44	203.56	10.50	204.08	12.48
202.53	5.27	203.05	8.48	203.57	10.54	204.09	12.57
202.54	5.36	203.06	8.53	203.58	10.57	204.10	12.66
202.55	5.45	203.07	8.57	203.59	10.61	204.11	12.75
202.56	5.54	203.08	8.62	203.60	10.64	204.12	12.85
202.57	5.63	203.09	8.66	203.61	10.67	204.13	12.95
202.58	5.72	203.10	8.70	203.62	10.71	204.14	13.05
202.59	5.82	203.11	8.75	203.63	10.74	204.15	13.15

Stage-Discharge for Pond B-53: Basin #53 (continued)

Elevation (feet)	Primary (cfs)
204.16	13.26
204.17	13.36
204.18	13.47
204.19	13.59
204.20	13.70
204.21	13.82
204.22	13.94
204.23	14.06
204.24	14.18
204.25	14.30
204.26	14.43
204.27	14.56
204.28	14.68
204.29	14.82
204.30	14.95
204.31	15.08
204.32	15.22
204.33	15.35
204.34	15.49
204.35	15.63
204.36	15.77
204.37	15.92
204.38	16.06
204.39	16.21
204.40	16.36
204.41	16.50
204.42	16.65
204.43	16.80
204.44	16.96
204.45	17.11
204.46	17.27
204.47	17.42
204.48	17.58
204.49	17.74
204.50	17.90
204.51	18.17
204.52	18.55
204.53	18.99
204.54	19.48
204.55	20.02
204.56	20.60
204.57	21.22
204.58	21.87
204.59	22.56
204.60	23.27
204.61	24.02
204.62	24.79
204.63	25.59
204.64	26.42
204.65	27.27
204.66	28.14
204.67	29.04
204.68	29.97
204.69	30.91
204.70	31.88
204.71	32.91
204.72	33.96
204.73	35.04
204.74	36.15
204.75	37.28
204.76	38.44
204.77	39.63
204.78	40.84
204.79	42.07
204.80	43.33
204.81	44.62
204.82	45.93
204.83	47.27
204.84	48.63
204.85	50.02
204.86	51.43
204.87	52.87
204.88	54.33
204.89	55.82
204.90	57.33
204.91	58.89
204.92	60.48
204.93	62.10
204.94	63.74
204.95	65.42
204.96	67.11
204.97	68.84
204.98	70.59
204.99	72.37
205.00	**74.18**

Stage-Area-Storage for Pond B-53: Basin #53

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
200.00	**4,749**	0	200.52	4,749	2,469
200.01	4,749	47	200.53	4,749	2,517
200.02	4,749	95	200.54	4,749	2,564
200.03	4,749	142	200.55	4,749	2,612
200.04	4,749	190	200.56	4,749	2,659
200.05	4,749	237	200.57	4,749	2,707
200.06	4,749	285	200.58	4,749	2,754
200.07	4,749	332	200.59	4,749	2,802
200.08	4,749	380	200.60	4,749	2,849
200.09	4,749	427	200.61	4,749	2,897
200.10	4,749	475	200.62	4,749	2,944
200.11	4,749	522	200.63	4,749	2,992
200.12	4,749	570	200.64	4,749	3,039
200.13	4,749	617	200.65	4,749	3,087
200.14	4,749	665	200.66	4,749	3,134
200.15	4,749	712	200.67	4,749	3,182
200.16	4,749	760	200.68	4,749	3,229
200.17	4,749	807	200.69	4,749	3,277
200.18	4,749	855	200.70	4,749	3,324
200.19	4,749	902	200.71	4,749	3,372
200.20	4,749	950	200.72	4,749	3,419
200.21	4,749	997	200.73	4,749	3,467
200.22	4,749	1,045	200.74	4,749	3,514
200.23	4,749	1,092	200.75	4,749	3,562
200.24	4,749	1,140	200.76	4,749	3,609
200.25	4,749	1,187	200.77	4,749	3,657
200.26	4,749	1,235	200.78	4,749	3,704
200.27	4,749	1,282	200.79	4,749	3,752
200.28	4,749	1,330	200.80	4,749	3,799
200.29	4,749	1,377	200.81	4,749	3,847
200.30	4,749	1,425	200.82	4,749	3,894
200.31	4,749	1,472	200.83	4,749	3,942
200.32	4,749	1,520	200.84	4,749	3,989
200.33	4,749	1,567	200.85	4,749	4,037
200.34	4,749	1,615	200.86	4,749	4,084
200.35	4,749	1,662	200.87	4,749	4,132
200.36	4,749	1,710	200.88	4,749	4,179
200.37	4,749	1,757	200.89	4,749	4,227
200.38	4,749	1,805	200.90	4,749	4,274
200.39	4,749	1,852	200.91	4,749	4,322
200.40	4,749	1,900	200.92	4,749	4,369
200.41	4,749	1,947	200.93	4,749	4,417
200.42	4,749	1,995	200.94	4,749	4,464
200.43	4,749	2,042	200.95	4,749	4,512
200.44	4,749	2,090	200.96	4,749	4,559
200.45	4,749	2,137	200.97	4,749	4,607
200.46	4,749	2,185	200.98	4,749	4,654
200.47	4,749	2,232	200.99	4,749	4,702
200.48	4,749	2,280	201.00	4,749	4,749
200.49	4,749	2,327	201.01	4,749	4,796
200.50	4,749	2,375	201.02	4,749	4,844
200.51	4,749	2,422	201.03	4,749	4,891

Stage-Area-Storage for Pond B-53: Basin #53 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
201.04	4,749	4,939	201.56	4,749	7,408
201.05	4,749	4,986	201.57	4,749	7,456
201.06	4,749	5,034	201.58	4,749	7,503
201.07	4,749	5,081	201.59	4,749	7,551
201.08	4,749	5,129	201.60	4,749	7,598
201.09	4,749	5,176	201.61	4,749	7,646
201.10	4,749	5,224	201.62	4,749	7,693
201.11	4,749	5,271	201.63	4,749	7,741
201.12	4,749	5,319	201.64	4,749	7,788
201.13	4,749	5,366	201.65	4,749	7,836
201.14	4,749	5,414	201.66	4,749	7,883
201.15	4,749	5,461	201.67	4,749	7,931
201.16	4,749	5,509	201.68	4,749	7,978
201.17	4,749	5,556	201.69	4,749	8,026
201.18	4,749	5,604	201.70	4,749	8,073
201.19	4,749	5,651	201.71	4,749	8,121
201.20	4,749	5,699	201.72	4,749	8,168
201.21	4,749	5,746	201.73	4,749	8,216
201.22	4,749	5,794	201.74	4,749	8,263
201.23	4,749	5,841	201.75	4,749	8,311
201.24	4,749	5,889	201.76	4,749	8,358
201.25	4,749	5,936	201.77	4,749	8,406
201.26	4,749	5,984	201.78	4,749	8,453
201.27	4,749	6,031	201.79	4,749	8,501
201.28	4,749	6,079	201.80	4,749	8,548
201.29	4,749	6,126	201.81	4,749	8,596
201.30	4,749	6,174	201.82	4,749	8,643
201.31	4,749	6,221	201.83	4,749	8,691
201.32	4,749	6,269	201.84	4,749	8,738
201.33	4,749	6,316	201.85	4,749	8,786
201.34	4,749	6,364	201.86	4,749	8,833
201.35	4,749	6,411	201.87	4,749	8,881
201.36	4,749	6,459	201.88	4,749	8,928
201.37	4,749	6,506	201.89	4,749	8,976
201.38	4,749	6,554	201.90	4,749	9,023
201.39	4,749	6,601	201.91	4,749	9,071
201.40	4,749	6,649	201.92	4,749	9,118
201.41	4,749	6,696	201.93	4,749	9,166
201.42	4,749	6,744	201.94	4,749	9,213
201.43	4,749	6,791	201.95	4,749	9,261
201.44	4,749	6,839	201.96	4,749	9,308
201.45	4,749	6,886	201.97	4,749	9,356
201.46	4,749	6,934	201.98	4,749	9,403
201.47	4,749	6,981	201.99	4,749	9,451
201.48	4,749	7,029	202.00	4,749	9,498
201.49	4,749	7,076	202.01	4,749	9,545
201.50	4,749	7,124	202.02	4,749	9,593
201.51	4,749	7,171	202.03	4,749	9,640
201.52	4,749	7,218	202.04	4,749	9,688
201.53	4,749	7,266	202.05	4,749	9,735
201.54	4,749	7,313	202.06	4,749	9,783
201.55	4,749	7,361	202.07	4,749	9,830

Stage-Area-Storage for Pond B-53: Basin #53 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
202.08	4,749	9,878	202.60	4,749	12,347
202.09	4,749	9,925	202.61	4,749	12,395
202.10	4,749	9,973	202.62	4,749	12,442
202.11	4,749	10,020	202.63	4,749	12,490
202.12	4,749	10,068	202.64	4,749	12,537
202.13	4,749	10,115	202.65	4,749	12,585
202.14	4,749	10,163	202.66	4,749	12,632
202.15	4,749	10,210	202.67	4,749	12,680
202.16	4,749	10,258	202.68	4,749	12,727
202.17	4,749	10,305	202.69	4,749	12,775
202.18	4,749	10,353	202.70	4,749	12,822
202.19	4,749	10,400	202.71	4,749	12,870
202.20	4,749	10,448	202.72	4,749	12,917
202.21	4,749	10,495	202.73	4,749	12,965
202.22	4,749	10,543	202.74	4,749	13,012
202.23	4,749	10,590	202.75	4,749	13,060
202.24	4,749	10,638	202.76	4,749	13,107
202.25	4,749	10,685	202.77	4,749	13,155
202.26	4,749	10,733	202.78	4,749	13,202
202.27	4,749	10,780	202.79	4,749	13,250
202.28	4,749	10,828	202.80	4,749	13,297
202.29	4,749	10,875	202.81	4,749	13,345
202.30	4,749	10,923	202.82	4,749	13,392
202.31	4,749	10,970	202.83	4,749	13,440
202.32	4,749	11,018	202.84	4,749	13,487
202.33	4,749	11,065	202.85	4,749	13,535
202.34	4,749	11,113	202.86	4,749	13,582
202.35	4,749	11,160	202.87	4,749	13,630
202.36	4,749	11,208	202.88	4,749	13,677
202.37	4,749	11,255	202.89	4,749	13,725
202.38	4,749	11,303	202.90	4,749	13,772
202.39	4,749	11,350	202.91	4,749	13,820
202.40	4,749	11,398	202.92	4,749	13,867
202.41	4,749	11,445	202.93	4,749	13,915
202.42	4,749	11,493	202.94	4,749	13,962
202.43	4,749	11,540	202.95	4,749	14,010
202.44	4,749	11,588	202.96	4,749	14,057
202.45	4,749	11,635	202.97	4,749	14,105
202.46	4,749	11,683	202.98	4,749	14,152
202.47	4,749	11,730	202.99	4,749	14,200
202.48	4,749	11,778	203.00	4,749	14,247
202.49	4,749	11,825	203.01	4,749	14,294
202.50	4,749	11,873	203.02	4,749	14,342
202.51	4,749	11,920	203.03	4,749	14,389
202.52	4,749	11,967	203.04	4,749	14,437
202.53	4,749	12,015	203.05	4,749	14,484
202.54	4,749	12,062	203.06	4,749	14,532
202.55	4,749	12,110	203.07	4,749	14,579
202.56	4,749	12,157	203.08	4,749	14,627
202.57	4,749	12,205	203.09	4,749	14,674
202.58	4,749	12,252	203.10	4,749	14,722
202.59	4,749	12,300	203.11	4,749	14,769

Stage-Area-Storage for Pond B-53: Basin #53 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
203.12	4,749	14,817	203.64	4,749	17,286
203.13	4,749	14,864	203.65	4,749	17,334
203.14	4,749	14,912	203.66	4,749	17,381
203.15	4,749	14,959	203.67	4,749	17,429
203.16	4,749	15,007	203.68	4,749	17,476
203.17	4,749	15,054	203.69	4,749	17,524
203.18	4,749	15,102	203.70	4,749	17,571
203.19	4,749	15,149	203.71	4,749	17,619
203.20	4,749	15,197	203.72	4,749	17,666
203.21	4,749	15,244	203.73	4,749	17,714
203.22	4,749	15,292	203.74	4,749	17,761
203.23	4,749	15,339	203.75	4,749	17,809
203.24	4,749	15,387	203.76	4,749	17,856
203.25	4,749	15,434	203.77	4,749	17,904
203.26	4,749	15,482	203.78	4,749	17,951
203.27	4,749	15,529	203.79	4,749	17,999
203.28	4,749	15,577	203.80	4,749	18,046
203.29	4,749	15,624	203.81	4,749	18,094
203.30	4,749	15,672	203.82	4,749	18,141
203.31	4,749	15,719	203.83	4,749	18,189
203.32	4,749	15,767	203.84	4,749	18,236
203.33	4,749	15,814	203.85	4,749	18,284
203.34	4,749	15,862	203.86	4,749	18,331
203.35	4,749	15,909	203.87	4,749	18,379
203.36	4,749	15,957	203.88	4,749	18,426
203.37	4,749	16,004	203.89	4,749	18,474
203.38	4,749	16,052	203.90	4,749	18,521
203.39	4,749	16,099	203.91	4,749	18,569
203.40	4,749	16,147	203.92	4,749	18,616
203.41	4,749	16,194	203.93	4,749	18,664
203.42	4,749	16,242	203.94	4,749	18,711
203.43	4,749	16,289	203.95	4,749	18,759
203.44	4,749	16,337	203.96	4,749	18,806
203.45	4,749	16,384	203.97	4,749	18,854
203.46	4,749	16,432	203.98	4,749	18,901
203.47	4,749	16,479	203.99	4,749	18,949
203.48	4,749	16,527	204.00	4,749	18,996
203.49	4,749	16,574	204.01	4,749	19,043
203.50	4,749	16,622	204.02	4,749	19,091
203.51	4,749	16,669	204.03	4,749	19,138
203.52	4,749	16,716	204.04	4,749	19,186
203.53	4,749	16,764	204.05	4,749	19,233
203.54	4,749	16,811	204.06	4,749	19,281
203.55	4,749	16,859	204.07	4,749	19,328
203.56	4,749	16,906	204.08	4,749	19,376
203.57	4,749	16,954	204.09	4,749	19,423
203.58	4,749	17,001	204.10	4,749	19,471
203.59	4,749	17,049	204.11	4,749	19,518
203.60	4,749	17,096	204.12	4,749	19,566
203.61	4,749	17,144	204.13	4,749	19,613
203.62	4,749	17,191	204.14	4,749	19,661
203.63	4,749	17,239	204.15	4,749	19,708

Stage-Area-Storage for Pond B-53: Basin #53 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
204.16	4,749	19,756
204.17	4,749	19,803
204.18	4,749	19,851
204.19	4,749	19,898
204.20	4,749	19,946
204.21	4,749	19,993
204.22	4,749	20,041
204.23	4,749	20,088
204.24	4,749	20,136
204.25	4,749	20,183
204.26	4,749	20,231
204.27	4,749	20,278
204.28	4,749	20,326
204.29	4,749	20,373
204.30	4,749	20,421
204.31	4,749	20,468
204.32	4,749	20,516
204.33	4,749	20,563
204.34	4,749	20,611
204.35	4,749	20,658
204.36	4,749	20,706
204.37	4,749	20,753
204.38	4,749	20,801
204.39	4,749	20,848
204.40	4,749	20,896
204.41	4,749	20,943
204.42	4,749	20,991
204.43	4,749	21,038
204.44	4,749	21,086
204.45	4,749	21,133
204.46	4,749	21,181
204.47	4,749	21,228
204.48	4,749	21,276
204.49	4,749	21,323
204.50	4,749	21,371
204.51	4,749	21,418
204.52	4,749	21,465
204.53	4,749	21,513
204.54	4,749	21,560
204.55	4,749	21,608
204.56	4,749	21,655
204.57	4,749	21,703
204.58	4,749	21,750
204.59	4,749	21,798
204.60	4,749	21,845
204.61	4,749	21,893
204.62	4,749	21,940
204.63	4,749	21,988
204.64	4,749	22,035
204.65	4,749	22,083
204.66	4,749	22,130
204.67	4,749	22,178
204.68	4,749	22,225
204.69	4,749	22,273
204.70	4,749	22,320
204.71	4,749	22,368
204.72	4,749	22,415
204.73	4,749	22,463
204.74	4,749	22,510
204.75	4,749	22,558
204.76	4,749	22,605
204.77	4,749	22,653
204.78	4,749	22,700
204.79	4,749	22,748
204.80	4,749	22,795
204.81	4,749	22,843
204.82	4,749	22,890
204.83	4,749	22,938
204.84	4,749	22,985
204.85	4,749	23,033
204.86	4,749	23,080
204.87	4,749	23,128
204.88	4,749	23,175
204.89	4,749	23,223
204.90	4,749	23,270
204.91	4,749	23,318
204.92	4,749	23,365
204.93	4,749	23,413
204.94	4,749	23,460
204.95	4,749	23,508
204.96	4,749	23,555
204.97	4,749	23,603
204.98	4,749	23,650
204.99	4,749	23,698
205.00	4,749	**23,745**

Summary for Pond B-54: Basin #54

Inflow Area = 2.570 ac, 60.47% Impervious, Inflow Depth = 3.88" for Current 10 yr event
Inflow = 11.31 cfs @ 12.09 hrs, Volume= 0.831 af
Outflow = 3.85 cfs @ 12.30 hrs, Volume= 0.691 af, Atten= 66%, Lag= 12.7 min
Primary = 3.85 cfs @ 12.30 hrs, Volume= 0.691 af
Routed to Pond B-51 : Basin #51

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 200.80' @ 12.30 hrs Surf.Area= 5,114 sf Storage= 14,316 cf

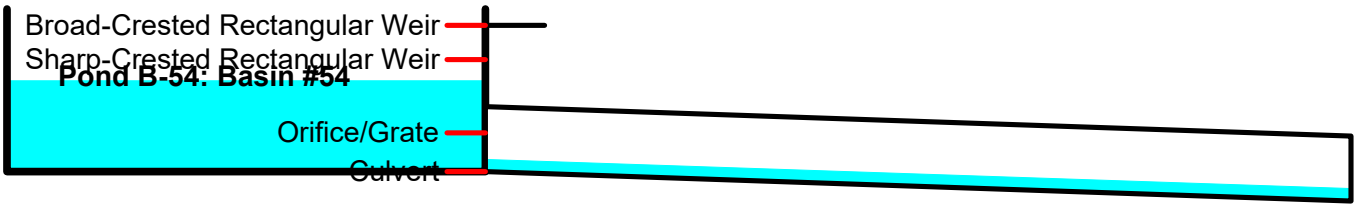
Plug-Flow detention time= 161.9 min calculated for 0.690 af (83% of inflow)
Center-of-Mass det. time= 88.5 min (857.9 - 769.5)

Volume	Invert	Avail.Storage	Storage Description
#1	198.00'	25,570 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

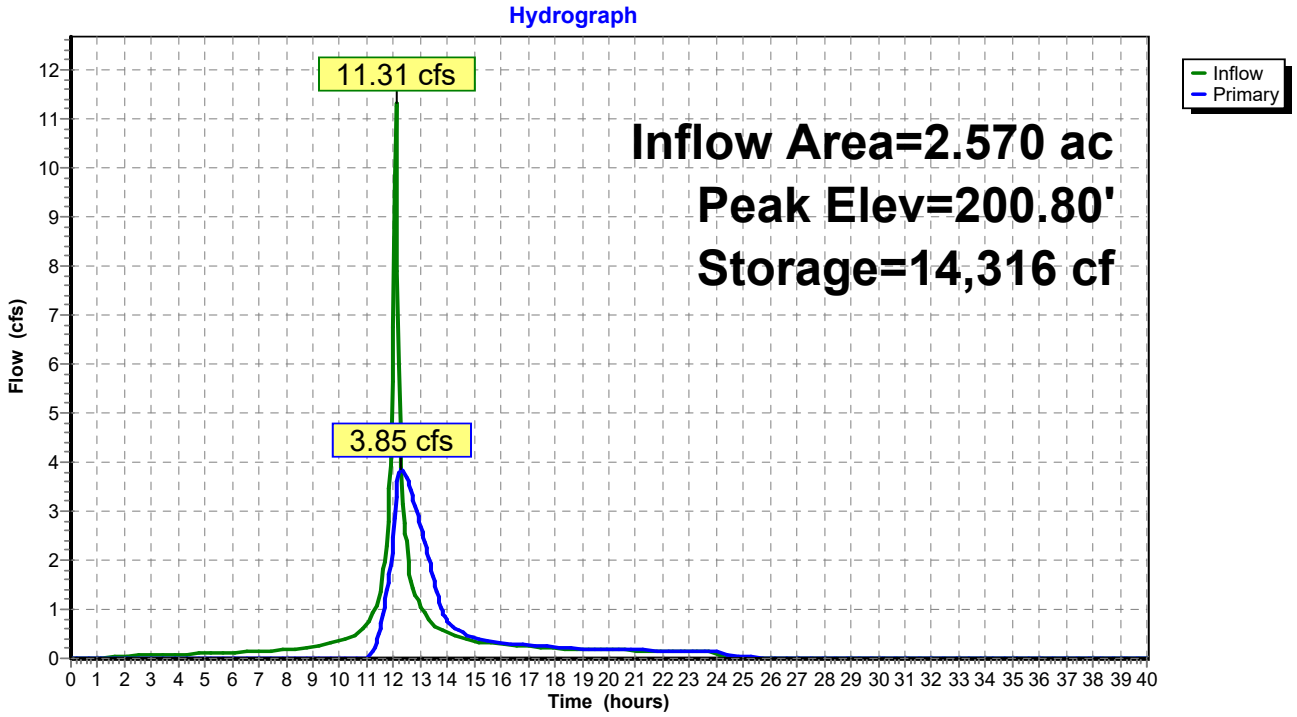
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
198.00	5,114	0	0
199.00	5,114	5,114	5,114
200.00	5,114	5,114	10,228
201.00	5,114	5,114	15,342
202.00	5,114	5,114	20,456
203.00	5,114	5,114	25,570

Device	Routing	Invert	Outlet Devices
#1	Primary	198.00'	**24.0" Round Culvert** L= 73.0' Ke= 0.500 Inlet / Outlet Invert= 198.00' / 197.10' S= 0.0123 '/' Cc= 0.900 n= 0.013, Flow Area= 3.14 sf
#2	Device 1	199.19'	**24.0" W x 4.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	201.45'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	202.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=3.85 cfs @ 12.30 hrs HW=200.80' (Free Discharge)
- **1=Culvert** (Passes 3.85 cfs of 20.29 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 3.85 cfs @ 5.78 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-54: Basin #54



Hydrograph for Pond B-54: Basin #54

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	198.00	0.00
0.10	0.00	0	198.00	0.00
0.20	0.00	0	198.00	0.00
0.30	0.00	0	198.00	0.00
0.40	0.00	0	198.00	0.00
0.50	0.00	0	198.00	0.00
0.60	0.00	0	198.00	0.00
0.70	0.00	0	198.00	0.00
0.80	0.00	0	198.00	0.00
0.90	0.01	1	198.00	0.00
1.00	0.01	4	198.00	0.00
1.10	0.01	8	198.00	0.00
1.20	0.02	14	198.00	0.00
1.30	0.02	21	198.00	0.00
1.40	0.02	29	198.01	0.00
1.50	0.03	39	198.01	0.00
1.60	0.03	50	198.01	0.00
1.70	0.03	62	198.01	0.00
1.80	0.04	75	198.01	0.00
1.90	0.04	89	198.02	0.00
2.00	0.04	104	198.02	0.00
2.10	0.05	120	198.02	0.00
2.20	0.05	137	198.03	0.00
2.30	0.05	155	198.03	0.00
2.40	0.05	174	198.03	0.00
2.50	0.06	194	198.04	0.00
2.60	0.06	215	198.04	0.00
2.70	0.06	236	198.05	0.00
2.80	0.06	258	198.05	0.00
2.90	0.06	281	198.05	0.00
3.00	0.07	305	198.06	0.00
3.10	0.07	329	198.06	0.00
3.20	0.07	354	198.07	0.00
3.30	0.07	380	198.07	0.00
3.40	0.07	406	198.08	0.00
3.50	0.08	433	198.08	0.00
3.60	0.08	461	198.09	0.00
3.70	0.08	489	198.10	0.00
3.80	0.08	518	198.10	0.00
3.90	0.08	547	198.11	0.00
4.00	0.08	577	198.11	0.00
4.10	0.09	608	198.12	0.00
4.20	0.09	639	198.12	0.00
4.30	0.09	671	198.13	0.00
4.40	0.09	703	198.14	0.00
4.50	0.09	736	198.14	0.00
4.60	0.09	769	198.15	0.00
4.70	0.09	803	198.16	0.00
4.80	0.10	837	198.16	0.00
4.90	0.10	872	198.17	0.00
5.00	0.10	907	198.18	0.00
5.10	0.10	943	198.18	0.00

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.10	979	198.19	0.00
5.30	0.10	1,016	198.20	0.00
5.40	0.10	1,053	198.21	0.00
5.50	0.10	1,090	198.21	0.00
5.60	0.11	1,128	198.22	0.00
5.70	0.11	1,167	198.23	0.00
5.80	0.11	1,206	198.24	0.00
5.90	0.11	1,245	198.24	0.00
6.00	0.11	1,285	198.25	0.00
6.10	0.11	1,325	198.26	0.00
6.20	0.12	1,367	198.27	0.00
6.30	0.12	1,410	198.28	0.00
6.40	0.12	1,454	198.28	0.00
6.50	0.13	1,500	198.29	0.00
6.60	0.13	1,546	198.30	0.00
6.70	0.13	1,594	198.31	0.00
6.80	0.14	1,643	198.32	0.00
6.90	0.14	1,693	198.33	0.00
7.00	0.14	1,744	198.34	0.00
7.10	0.15	1,797	198.35	0.00
7.20	0.15	1,851	198.36	0.00
7.30	0.15	1,906	198.37	0.00
7.40	0.16	1,962	198.38	0.00
7.50	0.16	2,019	198.39	0.00
7.60	0.16	2,078	198.41	0.00
7.70	0.17	2,138	198.42	0.00
7.80	0.17	2,198	198.43	0.00
7.90	0.17	2,261	198.44	0.00
8.00	0.18	2,324	198.45	0.00
8.10	0.18	2,389	198.47	0.00
8.20	0.18	2,455	198.48	0.00
8.30	0.19	2,522	198.49	0.00
8.40	0.19	2,590	198.51	0.00
8.50	0.19	2,659	198.52	0.00
8.60	0.20	2,730	198.53	0.00
8.70	0.20	2,802	198.55	0.00
8.80	0.20	2,875	198.56	0.00
8.90	0.21	2,949	198.58	0.00
9.00	0.21	3,025	198.59	0.00
9.10	0.23	3,105	198.61	0.00
9.20	0.24	3,189	198.62	0.00
9.30	0.25	3,277	198.64	0.00
9.40	0.27	3,371	198.66	0.00
9.50	0.28	3,469	198.68	0.00
9.60	0.29	3,573	198.70	0.00
9.70	0.31	3,681	198.72	0.00
9.80	0.32	3,795	198.74	0.00
9.90	0.34	3,914	198.77	0.00
10.00	0.35	4,038	198.79	0.00
10.10	0.37	4,168	198.82	0.00
10.20	0.38	4,303	198.84	0.00
10.30	0.40	4,444	198.87	0.00

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.41	4,590	198.90	0.00
10.50	0.43	4,742	198.93	0.00
10.60	0.48	4,908	198.96	0.00
10.70	0.53	5,091	199.00	0.00
10.80	0.59	5,294	199.04	0.00
10.90	0.64	5,517	199.08	0.00
11.00	0.70	5,760	199.13	0.00
11.10	0.80	6,033	199.18	0.00
11.20	0.90	6,332	199.24	0.07
11.30	1.01	6,627	199.30	0.22
11.40	1.12	6,901	199.35	0.41
11.50	1.23	7,142	199.40	0.60
11.60	1.83	7,446	199.46	0.88
11.70	2.04	7,770	199.52	1.21
11.80	2.77	8,160	199.60	1.53
11.90	3.92	8,771	199.72	1.90
12.00	6.73	9,967	199.95	2.46
12.10	**11.23**	12,293	200.40	3.28
12.20	5.94	13,976	200.73	3.76
12.30	3.87	**14,316**	**200.80**	**3.85**
12.40	2.74	14,097	200.76	3.80
12.50	2.40	13,668	200.67	3.68
12.60	1.71	13,093	200.56	3.52
12.70	1.48	12,428	200.43	3.32
12.80	1.33	11,771	200.30	3.12
12.90	1.21	11,141	200.18	2.90
13.00	1.08	10,544	200.06	2.69
13.10	0.96	9,980	199.95	2.47
13.20	0.88	9,462	199.85	2.24
13.30	0.81	8,998	199.76	2.02
13.40	0.75	8,589	199.68	1.80
13.50	0.68	8,235	199.61	1.58
13.60	0.61	7,936	199.55	1.37
13.70	0.58	7,701	199.51	1.14
13.80	0.56	7,530	199.47	0.97
13.90	0.55	7,405	199.45	0.84
14.00	0.53	7,312	199.43	0.76
14.10	0.51	7,239	199.42	0.69
14.20	0.50	7,181	199.40	0.64
14.30	0.48	7,134	199.40	0.60
14.40	0.46	7,093	199.39	0.56
14.50	0.44	7,058	199.38	0.54
14.60	0.43	7,026	199.37	0.51
14.70	0.41	6,996	199.37	0.49
14.80	0.39	6,969	199.36	0.46
14.90	0.37	6,943	199.36	0.44
15.00	0.35	6,918	199.35	0.42
15.10	0.34	6,894	199.35	0.40
15.20	0.33	6,871	199.34	0.39
15.30	0.32	6,852	199.34	0.37
15.40	0.32	6,835	199.34	0.36
15.50	0.32	6,820	199.33	0.35

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.31	6,808	199.33	0.34
15.70	0.31	6,796	199.33	0.34
15.80	0.30	6,785	199.33	0.33
15.90	0.30	6,776	199.32	0.32
16.00	0.29	6,767	199.32	0.32
16.10	0.29	6,759	199.32	0.31
16.20	0.28	6,751	199.32	0.30
16.30	0.28	6,743	199.32	0.30
16.40	0.27	6,735	199.32	0.29
16.50	0.27	6,728	199.32	0.29
16.60	0.26	6,721	199.31	0.28
16.70	0.26	6,714	199.31	0.28
16.80	0.25	6,706	199.31	0.27
16.90	0.25	6,699	199.31	0.27
17.00	0.25	6,693	199.31	0.26
17.10	0.24	6,686	199.31	0.26
17.20	0.24	6,679	199.31	0.26
17.30	0.23	6,672	199.30	0.25
17.40	0.23	6,665	199.30	0.25
17.50	0.22	6,658	199.30	0.24
17.60	0.22	6,651	199.30	0.24
17.70	0.21	6,645	199.30	0.23
17.80	0.21	6,638	199.30	0.23
17.90	0.20	6,630	199.30	0.22
18.00	0.20	6,622	199.29	0.22
18.10	0.19	6,615	199.29	0.22
18.20	0.19	6,607	199.29	0.21
18.30	0.19	6,601	199.29	0.21
18.40	0.19	6,595	199.29	0.20
18.50	0.19	6,590	199.29	0.20
18.60	0.19	6,585	199.29	0.20
18.70	0.19	6,581	199.29	0.20
18.80	0.19	6,577	199.29	0.20
18.90	0.18	6,573	199.29	0.19
19.00	0.18	6,570	199.28	0.19
19.10	0.18	6,567	199.28	0.19
19.20	0.18	6,564	199.28	0.19
19.30	0.18	6,561	199.28	0.19
19.40	0.18	6,559	199.28	0.19
19.50	0.18	6,556	199.28	0.18
19.60	0.18	6,554	199.28	0.18
19.70	0.17	6,551	199.28	0.18
19.80	0.17	6,549	199.28	0.18
19.90	0.17	6,547	199.28	0.18
20.00	0.17	6,544	199.28	0.18
20.10	0.17	6,542	199.28	0.18
20.20	0.17	6,540	199.28	0.17
20.30	0.17	6,538	199.28	0.17
20.40	0.17	6,535	199.28	0.17
20.50	0.17	6,533	199.28	0.17
20.60	0.16	6,531	199.28	0.17
20.70	0.16	6,529	199.28	0.17

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.16	6,527	199.28	0.17
20.90	0.16	6,525	199.28	0.17
21.00	0.16	6,522	199.28	0.17
21.10	0.16	6,520	199.27	0.16
21.20	0.16	6,518	199.27	0.16
21.30	0.16	6,516	199.27	0.16
21.40	0.15	6,514	199.27	0.16
21.50	0.15	6,512	199.27	0.16
21.60	0.15	6,509	199.27	0.16
21.70	0.15	6,507	199.27	0.16
21.80	0.15	6,505	199.27	0.16
21.90	0.15	6,503	199.27	0.15
22.00	0.15	6,501	199.27	0.15
22.10	0.15	6,499	199.27	0.15
22.20	0.15	6,497	199.27	0.15
22.30	0.14	6,495	199.27	0.15
22.40	0.14	6,492	199.27	0.15
22.50	0.14	6,490	199.27	0.15
22.60	0.14	6,488	199.27	0.15
22.70	0.14	6,486	199.27	0.15
22.80	0.14	6,484	199.27	0.14
22.90	0.14	6,481	199.27	0.14
23.00	0.14	6,479	199.27	0.14
23.10	0.13	6,477	199.27	0.14
23.20	0.13	6,475	199.27	0.14
23.30	0.13	6,473	199.27	0.14
23.40	0.13	6,471	199.27	0.14
23.50	0.13	6,469	199.26	0.14
23.60	0.13	6,466	199.26	0.13
23.70	0.13	6,464	199.26	0.13
23.80	0.13	6,462	199.26	0.13
23.90	0.13	6,460	199.26	0.13
24.00	0.14	6,462	199.26	0.13
24.10	0.04	6,446	199.26	0.12
24.20	0.01	6,412	199.25	0.11
24.30	0.00	6,379	199.25	0.09
24.40	0.00	6,349	199.24	0.08
24.50	0.00	6,322	199.24	0.07
24.60	0.00	6,298	199.23	0.06
24.70	0.00	6,277	199.23	0.05
24.80	0.00	6,259	199.22	0.05
24.90	0.00	6,242	199.22	0.04
25.00	0.00	6,228	199.22	0.04
25.10	0.00	6,215	199.22	0.03
25.20	0.00	6,204	199.21	0.03
25.30	0.00	6,194	199.21	0.03
25.40	0.00	6,185	199.21	0.02
25.50	0.00	6,177	199.21	0.02
25.60	0.00	6,170	199.21	0.02
25.70	0.00	6,164	199.21	0.02
25.80	0.00	6,159	199.20	0.01
25.90	0.00	6,154	199.20	0.01

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	6,150	199.20	0.01
26.10	0.00	6,146	199.20	0.01
26.20	0.00	6,143	199.20	0.01
26.30	0.00	6,140	199.20	0.01
26.40	0.00	6,138	199.20	0.01
26.50	0.00	6,135	199.20	0.01
26.60	0.00	6,133	199.20	0.01
26.70	0.00	6,131	199.20	0.01
26.80	0.00	6,129	199.20	0.01
26.90	0.00	6,127	199.20	0.01
27.00	0.00	6,125	199.20	0.00
27.10	0.00	6,123	199.20	0.00
27.20	0.00	6,122	199.20	0.00
27.30	0.00	6,120	199.20	0.00
27.40	0.00	6,119	199.20	0.00
27.50	0.00	6,117	199.20	0.00
27.60	0.00	6,116	199.20	0.00
27.70	0.00	6,114	199.20	0.00
27.80	0.00	6,113	199.20	0.00
27.90	0.00	6,112	199.20	0.00
28.00	0.00	6,111	199.19	0.00
28.10	0.00	6,110	199.19	0.00
28.20	0.00	6,109	199.19	0.00
28.30	0.00	6,108	199.19	0.00
28.40	0.00	6,107	199.19	0.00
28.50	0.00	6,106	199.19	0.00
28.60	0.00	6,105	199.19	0.00
28.70	0.00	6,104	199.19	0.00
28.80	0.00	6,103	199.19	0.00
28.90	0.00	6,102	199.19	0.00
29.00	0.00	6,102	199.19	0.00
29.10	0.00	6,101	199.19	0.00
29.20	0.00	6,100	199.19	0.00
29.30	0.00	6,100	199.19	0.00
29.40	0.00	6,099	199.19	0.00
29.50	0.00	6,098	199.19	0.00
29.60	0.00	6,098	199.19	0.00
29.70	0.00	6,097	199.19	0.00
29.80	0.00	6,097	199.19	0.00
29.90	0.00	6,096	199.19	0.00
30.00	0.00	6,096	199.19	0.00
30.10	0.00	6,095	199.19	0.00
30.20	0.00	6,095	199.19	0.00
30.30	0.00	6,095	199.19	0.00
30.40	0.00	6,094	199.19	0.00
30.50	0.00	6,094	199.19	0.00
30.60	0.00	6,093	199.19	0.00
30.70	0.00	6,093	199.19	0.00
30.80	0.00	6,093	199.19	0.00
30.90	0.00	6,092	199.19	0.00
31.00	0.00	6,092	199.19	0.00
31.10	0.00	6,092	199.19	0.00

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	6,092	199.19	0.00
31.30	0.00	6,091	199.19	0.00
31.40	0.00	6,091	199.19	0.00
31.50	0.00	6,091	199.19	0.00
31.60	0.00	6,091	199.19	0.00
31.70	0.00	6,090	199.19	0.00
31.80	0.00	6,090	199.19	0.00
31.90	0.00	6,090	199.19	0.00
32.00	0.00	6,090	199.19	0.00
32.10	0.00	6,090	199.19	0.00
32.20	0.00	6,089	199.19	0.00
32.30	0.00	6,089	199.19	0.00
32.40	0.00	6,089	199.19	0.00
32.50	0.00	6,089	199.19	0.00
32.60	0.00	6,089	199.19	0.00
32.70	0.00	6,089	199.19	0.00
32.80	0.00	6,089	199.19	0.00
32.90	0.00	6,088	199.19	0.00
33.00	0.00	6,088	199.19	0.00
33.10	0.00	6,088	199.19	0.00
33.20	0.00	6,088	199.19	0.00
33.30	0.00	6,088	199.19	0.00
33.40	0.00	6,088	199.19	0.00
33.50	0.00	6,088	199.19	0.00
33.60	0.00	6,088	199.19	0.00
33.70	0.00	6,088	199.19	0.00
33.80	0.00	6,087	199.19	0.00
33.90	0.00	6,087	199.19	0.00
34.00	0.00	6,087	199.19	0.00
34.10	0.00	6,087	199.19	0.00
34.20	0.00	6,087	199.19	0.00
34.30	0.00	6,087	199.19	0.00
34.40	0.00	6,087	199.19	0.00
34.50	0.00	6,087	199.19	0.00
34.60	0.00	6,087	199.19	0.00
34.70	0.00	6,087	199.19	0.00
34.80	0.00	6,087	199.19	0.00
34.90	0.00	6,087	199.19	0.00
35.00	0.00	6,087	199.19	0.00
35.10	0.00	6,087	199.19	0.00
35.20	0.00	6,087	199.19	0.00
35.30	0.00	6,087	199.19	0.00
35.40	0.00	6,087	199.19	0.00
35.50	0.00	6,087	199.19	0.00
35.60	0.00	6,086	199.19	0.00
35.70	0.00	6,086	199.19	0.00
35.80	0.00	6,086	199.19	0.00
35.90	0.00	6,086	199.19	0.00
36.00	0.00	6,086	199.19	0.00
36.10	0.00	6,086	199.19	0.00
36.20	0.00	6,086	199.19	0.00
36.30	0.00	6,086	199.19	0.00

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	6,086	199.19	0.00
36.50	0.00	6,086	199.19	0.00
36.60	0.00	6,086	199.19	0.00
36.70	0.00	6,086	199.19	0.00
36.80	0.00	6,086	199.19	0.00
36.90	0.00	6,086	199.19	0.00
37.00	0.00	6,086	199.19	0.00
37.10	0.00	6,086	199.19	0.00
37.20	0.00	6,086	199.19	0.00
37.30	0.00	6,086	199.19	0.00
37.40	0.00	6,086	199.19	0.00
37.50	0.00	6,086	199.19	0.00
37.60	0.00	6,086	199.19	0.00
37.70	0.00	6,086	199.19	0.00
37.80	0.00	6,086	199.19	0.00
37.90	0.00	6,086	199.19	0.00
38.00	0.00	6,086	199.19	0.00
38.10	0.00	6,086	199.19	0.00
38.20	0.00	6,086	199.19	0.00
38.30	0.00	6,086	199.19	0.00
38.40	0.00	6,086	199.19	0.00
38.50	0.00	6,086	199.19	0.00
38.60	0.00	6,086	199.19	0.00
38.70	0.00	6,086	199.19	0.00
38.80	0.00	6,086	199.19	0.00
38.90	0.00	6,086	199.19	0.00
39.00	0.00	6,086	199.19	0.00
39.10	0.00	6,086	199.19	0.00
39.20	0.00	6,086	199.19	0.00
39.30	0.00	6,086	199.19	0.00
39.40	0.00	6,086	199.19	0.00
39.50	0.00	6,086	199.19	0.00
39.60	0.00	6,086	199.19	0.00
39.70	0.00	6,086	199.19	0.00
39.80	0.00	6,086	199.19	0.00
39.90	0.00	6,086	199.19	0.00
40.00	0.00	6,086	199.19	0.00

Stage-Discharge for Pond B-54: Basin #54

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
198.00	0.00	198.52	0.00	199.04	0.00	199.56	1.40
198.01	0.00	198.53	0.00	199.05	0.00	199.57	1.44
198.02	0.00	198.54	0.00	199.06	0.00	199.58	1.48
198.03	0.00	198.55	0.00	199.07	0.00	199.59	1.51
198.04	0.00	198.56	0.00	199.08	0.00	199.60	1.55
198.05	0.00	198.57	0.00	199.09	0.00	199.61	1.58
198.06	0.00	198.58	0.00	199.10	0.00	199.62	1.62
198.07	0.00	198.59	0.00	199.11	0.00	199.63	1.65
198.08	0.00	198.60	0.00	199.12	0.00	199.64	1.68
198.09	0.00	198.61	0.00	199.13	0.00	199.65	1.71
198.10	0.00	198.62	0.00	199.14	0.00	199.66	1.74
198.11	0.00	198.63	0.00	199.15	0.00	199.67	1.77
198.12	0.00	198.64	0.00	199.16	0.00	199.68	1.80
198.13	0.00	198.65	0.00	199.17	0.00	199.69	1.83
198.14	0.00	198.66	0.00	199.18	0.00	199.70	1.86
198.15	0.00	198.67	0.00	199.19	0.00	199.71	1.89
198.16	0.00	198.68	0.00	199.20	0.01	199.72	1.92
198.17	0.00	198.69	0.00	199.21	0.02	199.73	1.94
198.18	0.00	198.70	0.00	199.22	0.03	199.74	1.97
198.19	0.00	198.71	0.00	199.23	0.05	199.75	2.00
198.20	0.00	198.72	0.00	199.24	0.07	199.76	2.02
198.21	0.00	198.73	0.00	199.25	0.09	199.77	2.05
198.22	0.00	198.74	0.00	199.26	0.12	199.78	2.07
198.23	0.00	198.75	0.00	199.27	0.15	199.79	2.10
198.24	0.00	198.76	0.00	199.28	0.17	199.80	2.12
198.25	0.00	198.77	0.00	199.29	0.20	199.81	2.15
198.26	0.00	198.78	0.00	199.30	0.23	199.82	2.17
198.27	0.00	198.79	0.00	199.31	0.27	199.83	2.20
198.28	0.00	198.80	0.00	199.32	0.30	199.84	2.22
198.29	0.00	198.81	0.00	199.33	0.34	199.85	2.24
198.30	0.00	198.82	0.00	199.34	0.37	199.86	2.27
198.31	0.00	198.83	0.00	199.35	0.41	199.87	2.29
198.32	0.00	198.84	0.00	199.36	0.45	199.88	2.31
198.33	0.00	198.85	0.00	199.37	0.49	199.89	2.33
198.34	0.00	198.86	0.00	199.38	0.53	199.90	2.36
198.35	0.00	198.87	0.00	199.39	0.57	199.91	2.38
198.36	0.00	198.88	0.00	199.40	0.62	199.92	2.40
198.37	0.00	198.89	0.00	199.41	0.66	199.93	2.42
198.38	0.00	198.90	0.00	199.42	0.71	199.94	2.44
198.39	0.00	198.91	0.00	199.43	0.75	199.95	2.46
198.40	0.00	198.92	0.00	199.44	0.80	199.96	2.49
198.41	0.00	198.93	0.00	199.45	0.85	199.97	2.51
198.42	0.00	198.94	0.00	199.46	0.90	199.98	2.53
198.43	0.00	198.95	0.00	199.47	0.95	199.99	2.55
198.44	0.00	198.96	0.00	199.48	1.00	200.00	2.57
198.45	0.00	198.97	0.00	199.49	1.05	200.01	2.59
198.46	0.00	198.98	0.00	199.50	1.11	200.02	2.61
198.47	0.00	198.99	0.00	199.51	1.16	200.03	2.63
198.48	0.00	199.00	0.00	199.52	1.22	200.04	2.65
198.49	0.00	199.01	0.00	199.53	1.27	200.05	2.67
198.50	0.00	199.02	0.00	199.54	1.32	200.06	2.69
198.51	0.00	199.03	0.00	199.55	1.36	200.07	2.70

Stage-Discharge for Pond B-54: Basin #54 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
200.08	2.72	200.60	3.58	201.12	4.26	201.64	5.92
200.09	2.74	200.61	3.59	201.13	4.27	201.65	6.02
200.10	2.76	200.62	3.61	201.14	4.29	201.66	6.12
200.11	2.78	200.63	3.62	201.15	4.30	201.67	6.22
200.12	2.80	200.64	3.63	201.16	4.31	201.68	6.32
200.13	2.82	200.65	3.65	201.17	4.32	201.69	6.42
200.14	2.84	200.66	3.66	201.18	4.33	201.70	6.53
200.15	2.85	200.67	3.68	201.19	4.34	201.71	6.63
200.16	2.87	200.68	3.69	201.20	4.36	201.72	6.74
200.17	2.89	200.69	3.70	201.21	4.37	201.73	6.85
200.18	2.91	200.70	3.72	201.22	4.38	201.74	6.97
200.19	2.93	200.71	3.73	201.23	4.39	201.75	7.08
200.20	2.94	200.72	3.75	201.24	4.40	201.76	7.20
200.21	2.96	200.73	3.76	201.25	4.42	201.77	7.32
200.22	2.98	200.74	3.77	201.26	4.43	201.78	7.43
200.23	3.00	200.75	3.79	201.27	4.44	201.79	7.56
200.24	3.01	200.76	3.80	201.28	4.45	201.80	7.68
200.25	3.03	200.77	3.81	201.29	4.46	201.81	7.80
200.26	3.05	200.78	3.83	201.30	4.47	201.82	7.93
200.27	3.06	200.79	3.84	201.31	4.48	201.83	8.05
200.28	3.08	200.80	3.85	201.32	4.50	201.84	8.18
200.29	3.10	200.81	3.87	201.33	4.51	201.85	8.31
200.30	3.11	200.82	3.88	201.34	4.52	201.86	8.44
200.31	3.13	200.83	3.89	201.35	4.53	201.87	8.57
200.32	3.15	200.84	3.91	201.36	4.54	201.88	8.71
200.33	3.16	200.85	3.92	201.37	4.55	201.89	8.84
200.34	3.18	200.86	3.93	201.38	4.56	201.90	8.98
200.35	3.20	200.87	3.95	201.39	4.58	201.91	9.12
200.36	3.21	200.88	3.96	201.40	4.59	201.92	9.25
200.37	3.23	200.89	3.97	201.41	4.60	201.93	9.39
200.38	3.24	200.90	3.99	201.42	4.61	201.94	9.53
200.39	3.26	200.91	4.00	201.43	4.62	201.95	9.68
200.40	3.28	200.92	4.01	201.44	4.63	201.96	9.82
200.41	3.29	200.93	4.02	201.45	4.64	201.97	9.97
200.42	3.31	200.94	4.04	201.46	4.67	201.98	10.11
200.43	3.32	200.95	4.05	201.47	4.70	201.99	10.26
200.44	3.34	200.96	4.06	201.48	4.74	202.00	10.41
200.45	3.35	200.97	4.08	201.49	4.79	202.01	10.56
200.46	3.37	200.98	4.09	201.50	4.84	202.02	10.71
200.47	3.38	200.99	4.10	201.51	4.90	202.03	10.86
200.48	3.40	201.00	4.11	201.52	4.96	202.04	11.01
200.49	3.41	201.01	4.13	201.53	5.03	202.05	11.16
200.50	3.43	201.02	4.14	201.54	5.09	202.06	11.32
200.51	3.44	201.03	4.15	201.55	5.16	202.07	11.47
200.52	3.46	201.04	4.16	201.56	5.24	202.08	11.63
200.53	3.47	201.05	4.18	201.57	5.31	202.09	11.79
200.54	3.49	201.06	4.19	201.58	5.39	202.10	11.95
200.55	3.50	201.07	4.20	201.59	5.48	202.11	12.11
200.56	3.52	201.08	4.21	201.60	5.56	202.12	12.27
200.57	3.53	201.09	4.22	201.61	5.65	202.13	12.43
200.58	3.55	201.10	4.24	201.62	5.74	202.14	12.59
200.59	3.56	201.11	4.25	201.63	5.83	202.15	12.76

Stage-Discharge for Pond B-54: Basin #54 (continued)

Elevation (feet)	Primary (cfs)
202.16	12.92
202.17	13.09
202.18	13.25
202.19	13.42
202.20	13.59
202.21	13.76
202.22	13.93
202.23	14.10
202.24	14.27
202.25	14.44
202.26	14.62
202.27	14.79
202.28	14.97
202.29	15.14
202.30	15.32
202.31	15.50
202.32	15.68
202.33	15.86
202.34	16.04
202.35	16.22
202.36	16.40
202.37	16.58
202.38	16.77
202.39	16.95
202.40	17.14
202.41	17.32
202.42	17.51
202.43	17.69
202.44	17.88
202.45	18.07
202.46	18.26
202.47	18.45
202.48	18.64
202.49	18.83
202.50	19.02
202.51	19.33
202.52	19.74
202.53	20.21
202.54	20.74
202.55	21.31
202.56	21.92
202.57	22.56
202.58	23.24
202.59	23.96
202.60	24.70
202.61	25.47
202.62	26.27
202.63	27.10
202.64	27.96
202.65	28.83
202.66	29.74
202.67	30.66
202.68	31.61
202.69	32.58
202.70	33.57
202.71	34.62
202.72	35.70
202.73	36.81
202.74	37.94
202.75	39.09
202.76	40.28
202.77	41.48
202.78	42.72
202.79	43.97
202.80	45.26
202.81	46.56
202.82	47.90
202.83	49.26
202.84	50.64
202.85	52.05
202.86	53.48
202.87	54.94
202.88	56.42
202.89	57.92
202.90	59.45
202.91	61.04
202.92	62.65
202.93	64.28
202.94	65.94
202.95	67.63
202.96	69.35
202.97	71.09
202.98	72.86
202.99	74.65
203.00	**76.48**

Stage-Area-Storage for Pond B-54: Basin #54

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
198.00	**5,114**	0	198.52	5,114	2,659
198.01	5,114	51	198.53	5,114	2,710
198.02	5,114	102	198.54	5,114	2,762
198.03	5,114	153	198.55	5,114	2,813
198.04	5,114	205	198.56	5,114	2,864
198.05	5,114	256	198.57	5,114	2,915
198.06	5,114	307	198.58	5,114	2,966
198.07	5,114	358	198.59	5,114	3,017
198.08	5,114	409	198.60	5,114	3,068
198.09	5,114	460	198.61	5,114	3,120
198.10	5,114	511	198.62	5,114	3,171
198.11	5,114	563	198.63	5,114	3,222
198.12	5,114	614	198.64	5,114	3,273
198.13	5,114	665	198.65	5,114	3,324
198.14	5,114	716	198.66	5,114	3,375
198.15	5,114	767	198.67	5,114	3,426
198.16	5,114	818	198.68	5,114	3,478
198.17	5,114	869	198.69	5,114	3,529
198.18	5,114	921	198.70	5,114	3,580
198.19	5,114	972	198.71	5,114	3,631
198.20	5,114	1,023	198.72	5,114	3,682
198.21	5,114	1,074	198.73	5,114	3,733
198.22	5,114	1,125	198.74	5,114	3,784
198.23	5,114	1,176	198.75	5,114	3,836
198.24	5,114	1,227	198.76	5,114	3,887
198.25	5,114	1,279	198.77	5,114	3,938
198.26	5,114	1,330	198.78	5,114	3,989
198.27	5,114	1,381	198.79	5,114	4,040
198.28	5,114	1,432	198.80	5,114	4,091
198.29	5,114	1,483	198.81	5,114	4,142
198.30	5,114	1,534	198.82	5,114	4,193
198.31	5,114	1,585	198.83	5,114	4,245
198.32	5,114	1,636	198.84	5,114	4,296
198.33	5,114	1,688	198.85	5,114	4,347
198.34	5,114	1,739	198.86	5,114	4,398
198.35	5,114	1,790	198.87	5,114	4,449
198.36	5,114	1,841	198.88	5,114	4,500
198.37	5,114	1,892	198.89	5,114	4,551
198.38	5,114	1,943	198.90	5,114	4,603
198.39	5,114	1,994	198.91	5,114	4,654
198.40	5,114	2,046	198.92	5,114	4,705
198.41	5,114	2,097	198.93	5,114	4,756
198.42	5,114	2,148	198.94	5,114	4,807
198.43	5,114	2,199	198.95	5,114	4,858
198.44	5,114	2,250	198.96	5,114	4,909
198.45	5,114	2,301	198.97	5,114	4,961
198.46	5,114	2,352	198.98	5,114	5,012
198.47	5,114	2,404	198.99	5,114	5,063
198.48	5,114	2,455	199.00	5,114	5,114
198.49	5,114	2,506	199.01	5,114	5,165
198.50	5,114	2,557	199.02	5,114	5,216
198.51	5,114	2,608	199.03	5,114	5,267

Stage-Area-Storage for Pond B-54: Basin #54 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
199.04	5,114	5,319	199.56	5,114	7,978
199.05	5,114	5,370	199.57	5,114	8,029
199.06	5,114	5,421	199.58	5,114	8,080
199.07	5,114	5,472	199.59	5,114	8,131
199.08	5,114	5,523	199.60	5,114	8,182
199.09	5,114	5,574	199.61	5,114	8,234
199.10	5,114	5,625	199.62	5,114	8,285
199.11	5,114	5,677	199.63	5,114	8,336
199.12	5,114	5,728	199.64	5,114	8,387
199.13	5,114	5,779	199.65	5,114	8,438
199.14	5,114	5,830	199.66	5,114	8,489
199.15	5,114	5,881	199.67	5,114	8,540
199.16	5,114	5,932	199.68	5,114	8,592
199.17	5,114	5,983	199.69	5,114	8,643
199.18	5,114	6,035	199.70	5,114	8,694
199.19	5,114	6,086	199.71	5,114	8,745
199.20	5,114	6,137	199.72	5,114	8,796
199.21	5,114	6,188	199.73	5,114	8,847
199.22	5,114	6,239	199.74	5,114	8,898
199.23	5,114	6,290	199.75	5,114	8,950
199.24	5,114	6,341	199.76	5,114	9,001
199.25	5,114	6,393	199.77	5,114	9,052
199.26	5,114	6,444	199.78	5,114	9,103
199.27	5,114	6,495	199.79	5,114	9,154
199.28	5,114	6,546	199.80	5,114	9,205
199.29	5,114	6,597	199.81	5,114	9,256
199.30	5,114	6,648	199.82	5,114	9,307
199.31	5,114	6,699	199.83	5,114	9,359
199.32	5,114	6,750	199.84	5,114	9,410
199.33	5,114	6,802	199.85	5,114	9,461
199.34	5,114	6,853	199.86	5,114	9,512
199.35	5,114	6,904	199.87	5,114	9,563
199.36	5,114	6,955	199.88	5,114	9,614
199.37	5,114	7,006	199.89	5,114	9,665
199.38	5,114	7,057	199.90	5,114	9,717
199.39	5,114	7,108	199.91	5,114	9,768
199.40	5,114	7,160	199.92	5,114	9,819
199.41	5,114	7,211	199.93	5,114	9,870
199.42	5,114	7,262	199.94	5,114	9,921
199.43	5,114	7,313	199.95	5,114	9,972
199.44	5,114	7,364	199.96	5,114	10,023
199.45	5,114	7,415	199.97	5,114	10,075
199.46	5,114	7,466	199.98	5,114	10,126
199.47	5,114	7,518	199.99	5,114	10,177
199.48	5,114	7,569	200.00	5,114	10,228
199.49	5,114	7,620	200.01	5,114	10,279
199.50	5,114	7,671	200.02	5,114	10,330
199.51	5,114	7,722	200.03	5,114	10,381
199.52	5,114	7,773	200.04	5,114	10,433
199.53	5,114	7,824	200.05	5,114	10,484
199.54	5,114	7,876	200.06	5,114	10,535
199.55	5,114	7,927	200.07	5,114	10,586

Stage-Area-Storage for Pond B-54: Basin #54 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
200.08	5,114	10,637	200.60	5,114	13,296
200.09	5,114	10,688	200.61	5,114	13,348
200.10	5,114	10,739	200.62	5,114	13,399
200.11	5,114	10,791	200.63	5,114	13,450
200.12	5,114	10,842	200.64	5,114	13,501
200.13	5,114	10,893	200.65	5,114	13,552
200.14	5,114	10,944	200.66	5,114	13,603
200.15	5,114	10,995	200.67	5,114	13,654
200.16	5,114	11,046	200.68	5,114	13,706
200.17	5,114	11,097	200.69	5,114	13,757
200.18	5,114	11,149	200.70	5,114	13,808
200.19	5,114	11,200	200.71	5,114	13,859
200.20	5,114	11,251	200.72	5,114	13,910
200.21	5,114	11,302	200.73	5,114	13,961
200.22	5,114	11,353	200.74	5,114	14,012
200.23	5,114	11,404	200.75	5,114	14,064
200.24	5,114	11,455	200.76	5,114	14,115
200.25	5,114	11,507	200.77	5,114	14,166
200.26	5,114	11,558	200.78	5,114	14,217
200.27	5,114	11,609	200.79	5,114	14,268
200.28	5,114	11,660	200.80	5,114	14,319
200.29	5,114	11,711	200.81	5,114	14,370
200.30	5,114	11,762	200.82	5,114	14,421
200.31	5,114	11,813	200.83	5,114	14,473
200.32	5,114	11,864	200.84	5,114	14,524
200.33	5,114	11,916	200.85	5,114	14,575
200.34	5,114	11,967	200.86	5,114	14,626
200.35	5,114	12,018	200.87	5,114	14,677
200.36	5,114	12,069	200.88	5,114	14,728
200.37	5,114	12,120	200.89	5,114	14,779
200.38	5,114	12,171	200.90	5,114	14,831
200.39	5,114	12,222	200.91	5,114	14,882
200.40	5,114	12,274	200.92	5,114	14,933
200.41	5,114	12,325	200.93	5,114	14,984
200.42	5,114	12,376	200.94	5,114	15,035
200.43	5,114	12,427	200.95	5,114	15,086
200.44	5,114	12,478	200.96	5,114	15,137
200.45	5,114	12,529	200.97	5,114	15,189
200.46	5,114	12,580	200.98	5,114	15,240
200.47	5,114	12,632	200.99	5,114	15,291
200.48	5,114	12,683	201.00	5,114	15,342
200.49	5,114	12,734	201.01	5,114	15,393
200.50	5,114	12,785	201.02	5,114	15,444
200.51	5,114	12,836	201.03	5,114	15,495
200.52	5,114	12,887	201.04	5,114	15,547
200.53	5,114	12,938	201.05	5,114	15,598
200.54	5,114	12,990	201.06	5,114	15,649
200.55	5,114	13,041	201.07	5,114	15,700
200.56	5,114	13,092	201.08	5,114	15,751
200.57	5,114	13,143	201.09	5,114	15,802
200.58	5,114	13,194	201.10	5,114	15,853
200.59	5,114	13,245	201.11	5,114	15,905

Stage-Area-Storage for Pond B-54: Basin #54 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
201.12	5,114	15,956	201.64	5,114	18,615
201.13	5,114	16,007	201.65	5,114	18,666
201.14	5,114	16,058	201.66	5,114	18,717
201.15	5,114	16,109	201.67	5,114	18,768
201.16	5,114	16,160	201.68	5,114	18,820
201.17	5,114	16,211	201.69	5,114	18,871
201.18	5,114	16,263	201.70	5,114	18,922
201.19	5,114	16,314	201.71	5,114	18,973
201.20	5,114	16,365	201.72	5,114	19,024
201.21	5,114	16,416	201.73	5,114	19,075
201.22	5,114	16,467	201.74	5,114	19,126
201.23	5,114	16,518	201.75	5,114	19,178
201.24	5,114	16,569	201.76	5,114	19,229
201.25	5,114	16,621	201.77	5,114	19,280
201.26	5,114	16,672	201.78	5,114	19,331
201.27	5,114	16,723	201.79	5,114	19,382
201.28	5,114	16,774	201.80	5,114	19,433
201.29	5,114	16,825	201.81	5,114	19,484
201.30	5,114	16,876	201.82	5,114	19,535
201.31	5,114	16,927	201.83	5,114	19,587
201.32	5,114	16,978	201.84	5,114	19,638
201.33	5,114	17,030	201.85	5,114	19,689
201.34	5,114	17,081	201.86	5,114	19,740
201.35	5,114	17,132	201.87	5,114	19,791
201.36	5,114	17,183	201.88	5,114	19,842
201.37	5,114	17,234	201.89	5,114	19,893
201.38	5,114	17,285	201.90	5,114	19,945
201.39	5,114	17,336	201.91	5,114	19,996
201.40	5,114	17,388	201.92	5,114	20,047
201.41	5,114	17,439	201.93	5,114	20,098
201.42	5,114	17,490	201.94	5,114	20,149
201.43	5,114	17,541	201.95	5,114	20,200
201.44	5,114	17,592	201.96	5,114	20,251
201.45	5,114	17,643	201.97	5,114	20,303
201.46	5,114	17,694	201.98	5,114	20,354
201.47	5,114	17,746	201.99	5,114	20,405
201.48	5,114	17,797	202.00	5,114	20,456
201.49	5,114	17,848	202.01	5,114	20,507
201.50	5,114	17,899	202.02	5,114	20,558
201.51	5,114	17,950	202.03	5,114	20,609
201.52	5,114	18,001	202.04	5,114	20,661
201.53	5,114	18,052	202.05	5,114	20,712
201.54	5,114	18,104	202.06	5,114	20,763
201.55	5,114	18,155	202.07	5,114	20,814
201.56	5,114	18,206	202.08	5,114	20,865
201.57	5,114	18,257	202.09	5,114	20,916
201.58	5,114	18,308	202.10	5,114	20,967
201.59	5,114	18,359	202.11	5,114	21,019
201.60	5,114	18,410	202.12	5,114	21,070
201.61	5,114	18,462	202.13	5,114	21,121
201.62	5,114	18,513	202.14	5,114	21,172
201.63	5,114	18,564	202.15	5,114	21,223

Stage-Area-Storage for Pond B-54: Basin #54 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
202.16	5,114	21,274
202.17	5,114	21,325
202.18	5,114	21,377
202.19	5,114	21,428
202.20	5,114	21,479
202.21	5,114	21,530
202.22	5,114	21,581
202.23	5,114	21,632
202.24	5,114	21,683
202.25	5,114	21,735
202.26	5,114	21,786
202.27	5,114	21,837
202.28	5,114	21,888
202.29	5,114	21,939
202.30	5,114	21,990
202.31	5,114	22,041
202.32	5,114	22,092
202.33	5,114	22,144
202.34	5,114	22,195
202.35	5,114	22,246
202.36	5,114	22,297
202.37	5,114	22,348
202.38	5,114	22,399
202.39	5,114	22,450
202.40	5,114	22,502
202.41	5,114	22,553
202.42	5,114	22,604
202.43	5,114	22,655
202.44	5,114	22,706
202.45	5,114	22,757
202.46	5,114	22,808
202.47	5,114	22,860
202.48	5,114	22,911
202.49	5,114	22,962
202.50	5,114	23,013
202.51	5,114	23,064
202.52	5,114	23,115
202.53	5,114	23,166
202.54	5,114	23,218
202.55	5,114	23,269
202.56	5,114	23,320
202.57	5,114	23,371
202.58	5,114	23,422
202.59	5,114	23,473
202.60	5,114	23,524
202.61	5,114	23,576
202.62	5,114	23,627
202.63	5,114	23,678
202.64	5,114	23,729
202.65	5,114	23,780
202.66	5,114	23,831
202.67	5,114	23,882
202.68	5,114	23,934
202.69	5,114	23,985
202.70	5,114	24,036
202.71	5,114	24,087
202.72	5,114	24,138
202.73	5,114	24,189
202.74	5,114	24,240
202.75	5,114	24,292
202.76	5,114	24,343
202.77	5,114	24,394
202.78	5,114	24,445
202.79	5,114	24,496
202.80	5,114	24,547
202.81	5,114	24,598
202.82	5,114	24,649
202.83	5,114	24,701
202.84	5,114	24,752
202.85	5,114	24,803
202.86	5,114	24,854
202.87	5,114	24,905
202.88	5,114	24,956
202.89	5,114	25,007
202.90	5,114	25,059
202.91	5,114	25,110
202.92	5,114	25,161
202.93	5,114	25,212
202.94	5,114	25,263
202.95	5,114	25,314
202.96	5,114	25,365
202.97	5,114	25,417
202.98	5,114	25,468
202.99	5,114	25,519
203.00	5,114	**25,570**

Summary for Pond B-55: Basin #55

Inflow Area = 2.301 ac, 47.33% Impervious, Inflow Depth = 3.56" for Current 10 yr event
Inflow = 10.76 cfs @ 12.08 hrs, Volume= 0.683 af
Outflow = 6.07 cfs @ 12.16 hrs, Volume= 0.582 af, Atten= 44%, Lag= 4.7 min
Primary = 6.07 cfs @ 12.16 hrs, Volume= 0.582 af
Routed to Pond B-51 : Basin #51

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 194.29' @ 12.16 hrs Surf.Area= 5,408 sf Storage= 11,023 cf

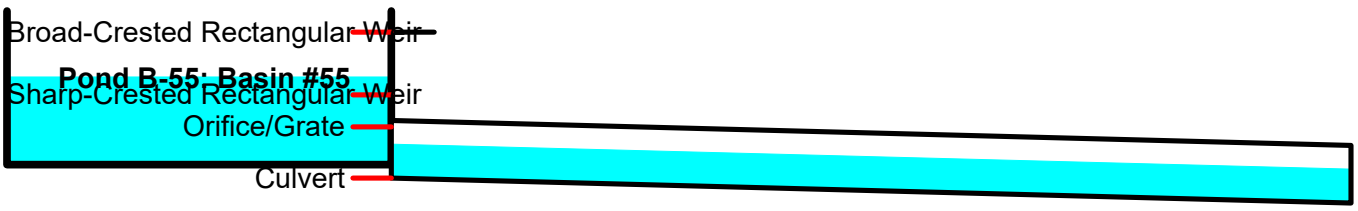
Plug-Flow detention time= 151.2 min calculated for 0.581 af (85% of inflow)
Center-of-Mass det. time= 83.2 min (861.3 - 778.1)

Volume	Invert	Avail.Storage	Storage Description
#1	192.00'	21,076 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

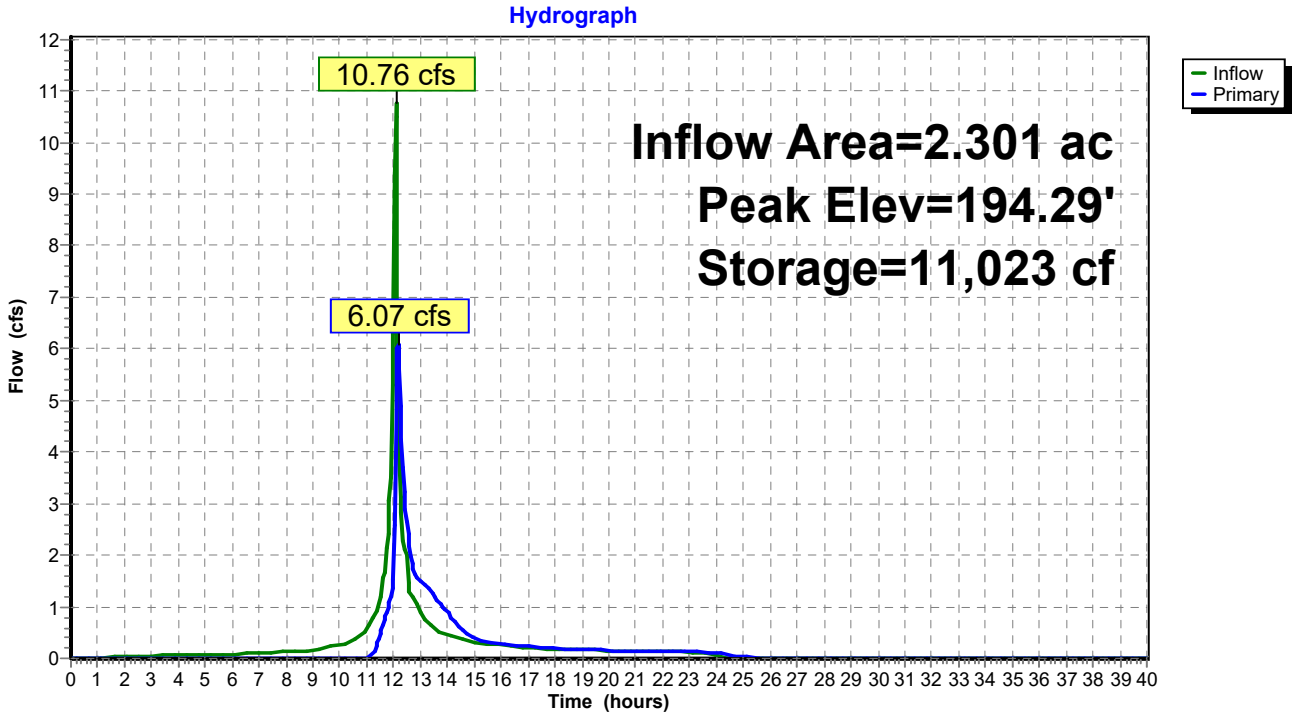
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
192.00	4,250	0	0
193.00	4,746	4,498	4,498
194.00	5,257	5,002	9,500
195.00	5,784	5,521	15,020
196.00	6,327	6,056	21,076

Device	Routing	Invert	Outlet Devices
#1	Primary	191.65'	**18.0" Round Culvert** L= 112.0' Ke= 0.500 Inlet / Outlet Invert= 191.65' / 191.00' S= 0.0058 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	192.98'	**22.0" W x 2.5" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	193.82'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	195.45'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=5.92 cfs @ 12.16 hrs HW=194.27' (Free Discharge)
- **1=Culvert** (Passes 5.92 cfs of 10.03 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 2.01 cfs @ 5.25 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 3.92 cfs @ 2.20 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-55: Basin #55



Hydrograph for Pond B-55: Basin #55

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	192.00	0.00
0.10	0.00	0	192.00	0.00
0.20	0.00	0	192.00	0.00
0.30	0.00	0	192.00	0.00
0.40	0.00	0	192.00	0.00
0.50	0.00	0	192.00	0.00
0.60	0.00	0	192.00	0.00
0.70	0.00	0	192.00	0.00
0.80	0.00	0	192.00	0.00
0.90	0.00	1	192.00	0.00
1.00	0.01	3	192.00	0.00
1.10	0.01	6	192.00	0.00
1.20	0.01	10	192.00	0.00
1.30	0.01	14	192.00	0.00
1.40	0.02	20	192.00	0.00
1.50	0.02	27	192.01	0.00
1.60	0.02	35	192.01	0.00
1.70	0.02	43	192.01	0.00
1.80	0.03	52	192.01	0.00
1.90	0.03	62	192.01	0.00
2.00	0.03	72	192.02	0.00
2.10	0.03	84	192.02	0.00
2.20	0.03	96	192.02	0.00
2.30	0.04	108	192.03	0.00
2.40	0.04	121	192.03	0.00
2.50	0.04	135	192.03	0.00
2.60	0.04	149	192.04	0.00
2.70	0.04	164	192.04	0.00
2.80	0.04	180	192.04	0.00
2.90	0.05	196	192.05	0.00
3.00	0.05	212	192.05	0.00
3.10	0.05	229	192.05	0.00
3.20	0.05	247	192.06	0.00
3.30	0.05	265	192.06	0.00
3.40	0.05	283	192.07	0.00
3.50	0.05	302	192.07	0.00
3.60	0.05	322	192.08	0.00
3.70	0.06	341	192.08	0.00
3.80	0.06	362	192.08	0.00
3.90	0.06	382	192.09	0.00
4.00	0.06	403	192.09	0.00
4.10	0.06	425	192.10	0.00
4.20	0.06	446	192.10	0.00
4.30	0.06	469	192.11	0.00
4.40	0.06	491	192.11	0.00
4.50	0.06	514	192.12	0.00
4.60	0.07	537	192.13	0.00
4.70	0.07	561	192.13	0.00
4.80	0.07	585	192.14	0.00
4.90	0.07	609	192.14	0.00
5.00	0.07	634	192.15	0.00
5.10	0.07	659	192.15	0.00

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.07	684	192.16	0.00
5.30	0.07	710	192.17	0.00
5.40	0.07	736	192.17	0.00
5.50	0.07	762	192.18	0.00
5.60	0.07	789	192.18	0.00
5.70	0.08	816	192.19	0.00
5.80	0.08	843	192.20	0.00
5.90	0.08	871	192.20	0.00
6.00	0.08	899	192.21	0.00
6.10	0.08	927	192.22	0.00
6.20	0.08	956	192.22	0.00
6.30	0.08	986	192.23	0.00
6.40	0.09	1,017	192.24	0.00
6.50	0.09	1,049	192.24	0.00
6.60	0.09	1,082	192.25	0.00
6.70	0.09	1,115	192.26	0.00
6.80	0.10	1,149	192.27	0.00
6.90	0.10	1,184	192.27	0.00
7.00	0.10	1,220	192.28	0.00
7.10	0.10	1,257	192.29	0.00
7.20	0.11	1,295	192.30	0.00
7.30	0.11	1,333	192.31	0.00
7.40	0.11	1,372	192.32	0.00
7.50	0.11	1,413	192.33	0.00
7.60	0.11	1,454	192.34	0.00
7.70	0.12	1,495	192.34	0.00
7.80	0.12	1,538	192.35	0.00
7.90	0.12	1,582	192.36	0.00
8.00	0.12	1,626	192.37	0.00
8.10	0.13	1,671	192.38	0.00
8.20	0.13	1,717	192.39	0.00
8.30	0.13	1,764	192.41	0.00
8.40	0.13	1,812	192.42	0.00
8.50	0.14	1,861	192.43	0.00
8.60	0.14	1,910	192.44	0.00
8.70	0.14	1,960	192.45	0.00
8.80	0.14	2,012	192.46	0.00
8.90	0.15	2,064	192.47	0.00
9.00	0.15	2,118	192.48	0.00
9.10	0.16	2,174	192.50	0.00
9.20	0.17	2,234	192.51	0.00
9.30	0.18	2,298	192.52	0.00
9.40	0.19	2,365	192.54	0.00
9.50	0.20	2,437	192.56	0.00
9.60	0.21	2,512	192.57	0.00
9.70	0.23	2,591	192.59	0.00
9.80	0.24	2,675	192.61	0.00
9.90	0.25	2,762	192.63	0.00
10.00	0.26	2,854	192.65	0.00
10.10	0.27	2,951	192.67	0.00
10.20	0.29	3,052	192.69	0.00
10.30	0.30	3,157	192.71	0.00

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.31	3,267	192.74	0.00
10.50	0.33	3,382	192.76	0.00
10.60	0.37	3,508	192.79	0.00
10.70	0.41	3,649	192.82	0.00
10.80	0.45	3,805	192.85	0.00
10.90	0.50	3,978	192.89	0.00
11.00	0.55	4,168	192.93	0.00
11.10	0.63	4,382	192.98	0.00
11.20	0.72	4,619	193.03	0.06
11.30	0.81	4,855	193.07	0.17
11.40	0.90	5,078	193.12	0.31
11.50	1.00	5,281	193.16	0.46
11.60	1.55	5,555	193.22	0.66
11.70	1.70	5,876	193.29	0.82
11.80	2.40	6,309	193.37	0.98
11.90	3.49	7,000	193.51	1.20
12.00	6.30	8,344	193.78	1.53
12.10	**10.48**	**10,514**	**194.19**	**4.84**
12.20	3.99	**10,837**	**194.25**	**5.61**
12.30	2.82	10,247	194.14	4.24
12.40	2.09	9,763	194.05	3.24
12.50	1.96	9,439	193.99	2.65
12.60	1.30	9,132	193.93	2.17
12.70	1.21	8,866	193.88	1.82
12.80	1.11	8,658	193.84	1.63
12.90	1.00	8,464	193.80	1.56
13.00	0.90	8,251	193.76	1.51
13.10	0.80	8,017	193.71	1.46
13.20	0.74	7,776	193.67	1.40
13.30	0.68	7,535	193.62	1.34
13.40	0.62	7,296	193.57	1.28
13.50	0.57	7,058	193.52	1.22
13.60	0.51	6,824	193.48	1.15
13.70	0.50	6,603	193.43	1.08
13.80	0.48	6,401	193.39	1.02
13.90	0.47	6,217	193.36	0.95
14.00	0.45	6,051	193.32	0.89
14.10	0.44	5,902	193.29	0.83
14.20	0.42	5,769	193.26	0.77
14.30	0.41	5,652	193.24	0.71
14.40	0.39	5,550	193.22	0.65
14.50	0.38	5,463	193.20	0.60
14.60	0.36	5,389	193.19	0.55
14.70	0.35	5,328	193.17	0.50
14.80	0.33	5,277	193.16	0.46
14.90	0.32	5,234	193.15	0.43
15.00	0.30	5,196	193.15	0.40
15.10	0.29	5,162	193.14	0.38
15.20	0.28	5,134	193.13	0.35
15.30	0.28	5,111	193.13	0.34
15.40	0.28	5,092	193.12	0.32
15.50	0.27	5,076	193.12	0.31

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.27	5,062	193.12	0.30
15.70	0.26	5,050	193.12	0.29
15.80	0.26	5,039	193.11	0.29
15.90	0.26	5,029	193.11	0.28
16.00	0.25	5,020	193.11	0.28
16.10	0.25	5,012	193.11	0.27
16.20	0.24	5,004	193.11	0.27
16.30	0.24	4,996	193.10	0.26
16.40	0.24	4,989	193.10	0.26
16.50	0.23	4,981	193.10	0.25
16.60	0.23	4,974	193.10	0.25
16.70	0.22	4,968	193.10	0.24
16.80	0.22	4,961	193.10	0.24
16.90	0.22	4,954	193.10	0.23
17.00	0.21	4,948	193.09	0.23
17.10	0.21	4,941	193.09	0.23
17.20	0.20	4,935	193.09	0.22
17.30	0.20	4,928	193.09	0.22
17.40	0.20	4,922	193.09	0.21
17.50	0.19	4,915	193.09	0.21
17.60	0.19	4,909	193.09	0.20
17.70	0.18	4,902	193.08	0.20
17.80	0.18	4,896	193.08	0.20
17.90	0.18	4,890	193.08	0.19
18.00	0.17	4,883	193.08	0.19
18.10	0.17	4,877	193.08	0.18
18.20	0.17	4,871	193.08	0.18
18.30	0.17	4,866	193.08	0.18
18.40	0.16	4,861	193.08	0.18
18.50	0.16	4,857	193.08	0.17
18.60	0.16	4,853	193.07	0.17
18.70	0.16	4,849	193.07	0.17
18.80	0.16	4,846	193.07	0.17
18.90	0.16	4,843	193.07	0.17
19.00	0.16	4,840	193.07	0.17
19.10	0.16	4,838	193.07	0.16
19.20	0.16	4,835	193.07	0.16
19.30	0.16	4,833	193.07	0.16
19.40	0.15	4,830	193.07	0.16
19.50	0.15	4,828	193.07	0.16
19.60	0.15	4,826	193.07	0.16
19.70	0.15	4,824	193.07	0.16
19.80	0.15	4,822	193.07	0.16
19.90	0.15	4,820	193.07	0.16
20.00	0.15	4,818	193.07	0.15
20.10	0.15	4,816	193.07	0.15
20.20	0.15	4,813	193.07	0.15
20.30	0.15	4,811	193.07	0.15
20.40	0.14	4,809	193.07	0.15
20.50	0.14	4,807	193.06	0.15
20.60	0.14	4,806	193.06	0.15
20.70	0.14	4,804	193.06	0.15

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.14	4,802	193.06	0.15
20.90	0.14	4,800	193.06	0.14
21.00	0.14	4,798	193.06	0.14
21.10	0.14	4,796	193.06	0.14
21.20	0.14	4,794	193.06	0.14
21.30	0.14	4,792	193.06	0.14
21.40	0.13	4,790	193.06	0.14
21.50	0.13	4,788	193.06	0.14
21.60	0.13	4,786	193.06	0.14
21.70	0.13	4,784	193.06	0.14
21.80	0.13	4,782	193.06	0.14
21.90	0.13	4,780	193.06	0.13
22.00	0.13	4,778	193.06	0.13
22.10	0.13	4,776	193.06	0.13
22.20	0.13	4,774	193.06	0.13
22.30	0.12	4,773	193.06	0.13
22.40	0.12	4,770	193.06	0.13
22.50	0.12	4,768	193.06	0.13
22.60	0.12	4,767	193.06	0.13
22.70	0.12	4,765	193.06	0.13
22.80	0.12	4,763	193.06	0.13
22.90	0.12	4,761	193.06	0.12
23.00	0.12	4,759	193.05	0.12
23.10	0.12	4,757	193.05	0.12
23.20	0.12	4,755	193.05	0.12
23.30	0.11	4,753	193.05	0.12
23.40	0.11	4,751	193.05	0.12
23.50	0.11	4,749	193.05	0.12
23.60	0.11	4,747	193.05	0.12
23.70	0.11	4,745	193.05	0.12
23.80	0.11	4,743	193.05	0.12
23.90	0.11	4,741	193.05	0.11
24.00	0.13	4,744	193.05	0.12
24.10	0.00	4,722	193.05	0.10
24.20	0.00	4,688	193.04	0.09
24.30	0.00	4,659	193.03	0.08
24.40	0.00	4,633	193.03	0.07
24.50	0.00	4,611	193.02	0.06
24.60	0.00	4,591	193.02	0.05
24.70	0.00	4,574	193.02	0.04
24.80	0.00	4,559	193.01	0.04
24.90	0.00	4,546	193.01	0.03
25.00	0.00	4,534	193.01	0.03
25.10	0.00	4,524	193.01	0.03
25.20	0.00	4,515	193.00	0.02
25.30	0.00	4,508	193.00	0.02
25.40	0.00	4,501	193.00	0.02
25.50	0.00	4,495	193.00	0.02
25.60	0.00	4,489	193.00	0.02
25.70	0.00	4,484	193.00	0.01
25.80	0.00	4,479	193.00	0.01
25.90	0.00	4,474	193.00	0.01

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	4,470	192.99	0.01
26.10	0.00	4,466	192.99	0.01
26.20	0.00	4,462	192.99	0.01
26.30	0.00	4,458	192.99	0.01
26.40	0.00	4,455	192.99	0.01
26.50	0.00	4,452	192.99	0.01
26.60	0.00	4,449	192.99	0.01
26.70	0.00	4,446	192.99	0.01
26.80	0.00	4,443	192.99	0.01
26.90	0.00	4,441	192.99	0.01
27.00	0.00	4,439	192.99	0.01
27.10	0.00	4,437	192.99	0.01
27.20	0.00	4,434	192.99	0.01
27.30	0.00	4,433	192.99	0.01
27.40	0.00	4,431	192.99	0.00
27.50	0.00	4,429	192.99	0.00
27.60	0.00	4,427	192.99	0.00
27.70	0.00	4,426	192.98	0.00
27.80	0.00	4,425	192.98	0.00
27.90	0.00	4,423	192.98	0.00
28.00	0.00	4,422	192.98	0.00
28.10	0.00	4,421	192.98	0.00
28.20	0.00	4,420	192.98	0.00
28.30	0.00	4,419	192.98	0.00
28.40	0.00	4,418	192.98	0.00
28.50	0.00	4,417	192.98	0.00
28.60	0.00	4,416	192.98	0.00
28.70	0.00	4,415	192.98	0.00
28.80	0.00	4,415	192.98	0.00
28.90	0.00	4,414	192.98	0.00
29.00	0.00	4,413	192.98	0.00
29.10	0.00	4,413	192.98	0.00
29.20	0.00	4,412	192.98	0.00
29.30	0.00	4,411	192.98	0.00
29.40	0.00	4,411	192.98	0.00
29.50	0.00	4,410	192.98	0.00
29.60	0.00	4,410	192.98	0.00
29.70	0.00	4,410	192.98	0.00
29.80	0.00	4,409	192.98	0.00
29.90	0.00	4,409	192.98	0.00
30.00	0.00	4,409	192.98	0.00
30.10	0.00	4,408	192.98	0.00
30.20	0.00	4,408	192.98	0.00
30.30	0.00	4,408	192.98	0.00
30.40	0.00	4,407	192.98	0.00
30.50	0.00	4,407	192.98	0.00
30.60	0.00	4,407	192.98	0.00
30.70	0.00	4,407	192.98	0.00
30.80	0.00	4,406	192.98	0.00
30.90	0.00	4,406	192.98	0.00
31.00	0.00	4,406	192.98	0.00
31.10	0.00	4,406	192.98	0.00

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	4,406	192.98	0.00
31.30	0.00	4,406	192.98	0.00
31.40	0.00	4,405	192.98	0.00
31.50	0.00	4,405	192.98	0.00
31.60	0.00	4,405	192.98	0.00
31.70	0.00	4,405	192.98	0.00
31.80	0.00	4,405	192.98	0.00
31.90	0.00	4,405	192.98	0.00
32.00	0.00	4,405	192.98	0.00
32.10	0.00	4,405	192.98	0.00
32.20	0.00	4,405	192.98	0.00
32.30	0.00	4,404	192.98	0.00
32.40	0.00	4,404	192.98	0.00
32.50	0.00	4,404	192.98	0.00
32.60	0.00	4,404	192.98	0.00
32.70	0.00	4,404	192.98	0.00
32.80	0.00	4,404	192.98	0.00
32.90	0.00	4,404	192.98	0.00
33.00	0.00	4,404	192.98	0.00
33.10	0.00	4,404	192.98	0.00
33.20	0.00	4,404	192.98	0.00
33.30	0.00	4,404	192.98	0.00
33.40	0.00	4,404	192.98	0.00
33.50	0.00	4,404	192.98	0.00
33.60	0.00	4,404	192.98	0.00
33.70	0.00	4,404	192.98	0.00
33.80	0.00	4,404	192.98	0.00
33.90	0.00	4,404	192.98	0.00
34.00	0.00	4,404	192.98	0.00
34.10	0.00	4,404	192.98	0.00
34.20	0.00	4,404	192.98	0.00
34.30	0.00	4,404	192.98	0.00
34.40	0.00	4,404	192.98	0.00
34.50	0.00	4,403	192.98	0.00
34.60	0.00	4,403	192.98	0.00
34.70	0.00	4,403	192.98	0.00
34.80	0.00	4,403	192.98	0.00
34.90	0.00	4,403	192.98	0.00
35.00	0.00	4,403	192.98	0.00
35.10	0.00	4,403	192.98	0.00
35.20	0.00	4,403	192.98	0.00
35.30	0.00	4,403	192.98	0.00
35.40	0.00	4,403	192.98	0.00
35.50	0.00	4,403	192.98	0.00
35.60	0.00	4,403	192.98	0.00
35.70	0.00	4,403	192.98	0.00
35.80	0.00	4,403	192.98	0.00
35.90	0.00	4,403	192.98	0.00
36.00	0.00	4,403	192.98	0.00
36.10	0.00	4,403	192.98	0.00
36.20	0.00	4,403	192.98	0.00
36.30	0.00	4,403	192.98	0.00

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	4,403	192.98	0.00
36.50	0.00	4,403	192.98	0.00
36.60	0.00	4,403	192.98	0.00
36.70	0.00	4,403	192.98	0.00
36.80	0.00	4,403	192.98	0.00
36.90	0.00	4,403	192.98	0.00
37.00	0.00	4,403	192.98	0.00
37.10	0.00	4,403	192.98	0.00
37.20	0.00	4,403	192.98	0.00
37.30	0.00	4,403	192.98	0.00
37.40	0.00	4,403	192.98	0.00
37.50	0.00	4,403	192.98	0.00
37.60	0.00	4,403	192.98	0.00
37.70	0.00	4,403	192.98	0.00
37.80	0.00	4,403	192.98	0.00
37.90	0.00	4,403	192.98	0.00
38.00	0.00	4,403	192.98	0.00
38.10	0.00	4,403	192.98	0.00
38.20	0.00	4,403	192.98	0.00
38.30	0.00	4,403	192.98	0.00
38.40	0.00	4,403	192.98	0.00
38.50	0.00	4,403	192.98	0.00
38.60	0.00	4,403	192.98	0.00
38.70	0.00	4,403	192.98	0.00
38.80	0.00	4,403	192.98	0.00
38.90	0.00	4,403	192.98	0.00
39.00	0.00	4,403	192.98	0.00
39.10	0.00	4,403	192.98	0.00
39.20	0.00	4,403	192.98	0.00
39.30	0.00	4,403	192.98	0.00
39.40	0.00	4,403	192.98	0.00
39.50	0.00	4,403	192.98	0.00
39.60	0.00	4,403	192.98	0.00
39.70	0.00	4,403	192.98	0.00
39.80	0.00	4,403	192.98	0.00
39.90	0.00	4,403	192.98	0.00
40.00	0.00	4,403	192.98	0.00

Stage-Discharge for Pond B-55: Basin #55

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
192.00	0.00	192.52	0.00	193.04	0.09	193.56	1.27
192.01	0.00	192.53	0.00	193.05	0.11	193.57	1.28
192.02	0.00	192.54	0.00	193.06	0.13	193.58	1.29
192.03	0.00	192.55	0.00	193.07	0.16	193.59	1.31
192.04	0.00	192.56	0.00	193.08	0.19	193.60	1.32
192.05	0.00	192.57	0.00	193.09	0.21	193.61	1.33
192.06	0.00	192.58	0.00	193.10	0.24	193.62	1.34
192.07	0.00	192.59	0.00	193.11	0.28	193.63	1.36
192.08	0.00	192.60	0.00	193.12	0.31	193.64	1.37
192.09	0.00	192.61	0.00	193.13	0.34	193.65	1.38
192.10	0.00	192.62	0.00	193.14	0.38	193.66	1.39
192.11	0.00	192.63	0.00	193.15	0.41	193.67	1.41
192.12	0.00	192.64	0.00	193.16	0.45	193.68	1.42
192.13	0.00	192.65	0.00	193.17	0.49	193.69	1.43
192.14	0.00	192.66	0.00	193.18	0.53	193.70	1.44
192.15	0.00	192.67	0.00	193.19	0.57	193.71	1.45
192.16	0.00	192.68	0.00	193.20	0.60	193.72	1.46
192.17	0.00	192.69	0.00	193.21	0.63	193.73	1.48
192.18	0.00	192.70	0.00	193.22	0.66	193.74	1.49
192.19	0.00	192.71	0.00	193.23	0.69	193.75	1.50
192.20	0.00	192.72	0.00	193.24	0.71	193.76	1.51
192.21	0.00	192.73	0.00	193.25	0.74	193.77	1.52
192.22	0.00	192.74	0.00	193.26	0.76	193.78	1.53
192.23	0.00	192.75	0.00	193.27	0.78	193.79	1.54
192.24	0.00	192.76	0.00	193.28	0.80	193.80	1.55
192.25	0.00	192.77	0.00	193.29	0.82	193.81	1.57
192.26	0.00	192.78	0.00	193.30	0.85	193.82	1.58
192.27	0.00	192.79	0.00	193.31	0.87	193.83	1.60
192.28	0.00	192.80	0.00	193.32	0.89	193.84	1.63
192.29	0.00	192.81	0.00	193.33	0.90	193.85	1.68
192.30	0.00	192.82	0.00	193.34	0.92	193.86	1.72
192.31	0.00	192.83	0.00	193.35	0.94	193.87	1.77
192.32	0.00	192.84	0.00	193.36	0.96	193.88	1.83
192.33	0.00	192.85	0.00	193.37	0.98	193.89	1.89
192.34	0.00	192.86	0.00	193.38	0.99	193.90	1.95
192.35	0.00	192.87	0.00	193.39	1.01	193.91	2.02
192.36	0.00	192.88	0.00	193.40	1.03	193.92	2.09
192.37	0.00	192.89	0.00	193.41	1.05	193.93	2.16
192.38	0.00	192.90	0.00	193.42	1.06	193.94	2.24
192.39	0.00	192.91	0.00	193.43	1.08	193.95	2.32
192.40	0.00	192.92	0.00	193.44	1.09	193.96	2.40
192.41	0.00	192.93	0.00	193.45	1.11	193.97	2.48
192.42	0.00	192.94	0.00	193.46	1.12	193.98	2.57
192.43	0.00	192.95	0.00	193.47	1.14	193.99	2.66
192.44	0.00	192.96	0.00	193.48	1.15	194.00	2.75
192.45	0.00	192.97	0.00	193.49	1.17	194.01	2.84
192.46	0.00	192.98	0.00	193.50	1.18	194.02	2.94
192.47	0.00	192.99	0.01	193.51	1.20	194.03	3.03
192.48	0.00	193.00	0.02	193.52	1.21	194.04	3.13
192.49	0.00	193.01	0.03	193.53	1.23	194.05	3.23
192.50	0.00	193.02	0.05	193.54	1.24	194.06	3.34
192.51	0.00	193.03	0.07	193.55	1.25	194.07	3.44

Stage-Discharge for Pond B-55: Basin #55 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
194.08	3.55	194.60	10.91	195.12	12.19	195.64	23.12
194.09	3.65	194.61	10.94	195.13	12.21	195.65	23.93
194.10	3.76	194.62	10.96	195.14	12.23	195.66	24.79
194.11	3.87	194.63	10.99	195.15	12.26	195.67	25.69
194.12	3.99	194.64	11.01	195.16	12.28	195.68	26.61
194.13	4.10	194.65	11.04	195.17	12.30	195.69	27.55
194.14	4.22	194.66	11.06	195.18	12.32	195.70	28.52
194.15	4.34	194.67	11.09	195.19	12.35	195.71	29.52
194.16	4.46	194.68	11.12	195.20	12.37	195.72	30.53
194.17	4.58	194.69	11.14	195.21	12.39	195.73	31.58
194.18	4.70	194.70	11.17	195.22	12.42	195.74	32.65
194.19	4.82	194.71	11.19	195.23	12.44	195.75	33.74
194.20	4.95	194.72	11.22	195.24	12.46	195.76	34.86
194.21	5.07	194.73	11.24	195.25	12.48	195.77	36.00
194.22	5.20	194.74	11.27	195.26	12.51	195.78	37.17
194.23	5.33	194.75	11.29	195.27	12.53	195.79	38.36
194.24	5.46	194.76	11.32	195.28	12.55	195.80	39.57
194.25	5.59	194.77	11.34	195.29	12.58	195.81	40.81
194.26	5.73	194.78	11.37	195.30	12.60	195.82	42.08
194.27	5.86	194.79	11.39	195.31	12.62	195.83	43.36
194.28	6.00	194.80	11.42	195.32	12.64	195.84	44.67
194.29	6.13	194.81	11.44	195.33	12.66	195.85	46.01
194.30	6.27	194.82	11.47	195.34	12.69	195.86	47.40
194.31	6.41	194.83	11.49	195.35	12.71	195.87	48.81
194.32	6.55	194.84	11.52	195.36	12.73	195.88	50.25
194.33	6.69	194.85	11.54	195.37	12.75	195.89	51.71
194.34	6.84	194.86	11.57	195.38	12.78	195.90	53.20
194.35	6.98	194.87	11.59	195.39	12.80	195.91	54.72
194.36	7.13	194.88	11.61	195.40	12.82	195.92	56.26
194.37	7.27	194.89	11.64	195.41	12.84	195.93	57.83
194.38	7.42	194.90	11.66	195.42	12.86	195.94	59.43
194.39	7.57	194.91	11.69	195.43	12.89	195.95	61.05
194.40	7.72	194.92	11.71	195.44	12.91	195.96	62.70
194.41	7.87	194.93	11.74	195.45	12.93	195.97	64.37
194.42	8.02	194.94	11.76	195.46	13.07	195.98	66.07
194.43	8.17	194.95	11.78	195.47	13.31	195.99	67.80
194.44	8.33	194.96	11.81	195.48	13.61	196.00	**69.56**
194.45	8.48	194.97	11.83	195.49	13.96		
194.46	8.64	194.98	11.86	195.50	14.35		
194.47	8.80	194.99	11.88	195.51	14.79		
194.48	8.95	195.00	11.90	195.52	15.26		
194.49	9.11	195.01	11.93	195.53	15.76		
194.50	9.27	195.02	11.95	195.54	16.30		
194.51	9.43	195.03	11.97	195.55	16.87		
194.52	9.60	195.04	12.00	195.56	17.46		
194.53	9.76	195.05	12.02	195.57	18.08		
194.54	9.92	195.06	12.05	195.58	18.73		
194.55	10.09	195.07	12.07	195.59	19.40		
194.56	10.25	195.08	12.09	195.60	20.10		
194.57	10.42	195.09	12.12	195.61	20.82		
194.58	10.59	195.10	12.14	195.62	21.57		
194.59	10.75	195.11	12.16	195.63	22.33		

Stage-Area-Storage for Pond B-55: Basin #55

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
192.00	4,250	0	192.52	4,508	2,277
192.01	4,255	43	192.53	4,513	2,322
192.02	4,260	85	192.54	4,518	2,367
192.03	4,265	128	192.55	4,523	2,413
192.04	4,270	170	192.56	4,528	2,458
192.05	4,275	213	192.57	4,533	2,503
192.06	4,280	256	192.58	4,538	2,548
192.07	4,285	299	192.59	4,543	2,594
192.08	4,290	342	192.60	4,548	2,639
192.09	4,295	385	192.61	4,553	2,685
192.10	4,300	427	192.62	4,558	2,730
192.11	4,305	471	192.63	4,562	2,776
192.12	4,310	514	192.64	4,567	2,822
192.13	4,314	557	192.65	4,572	2,867
192.14	4,319	600	192.66	4,577	2,913
192.15	4,324	643	192.67	4,582	2,959
192.16	4,329	686	192.68	4,587	3,005
192.17	4,334	730	192.69	4,592	3,051
192.18	4,339	773	192.70	4,597	3,097
192.19	4,344	816	192.71	4,602	3,143
192.20	4,349	860	192.72	4,607	3,189
192.21	4,354	903	192.73	4,612	3,235
192.22	4,359	947	192.74	4,617	3,281
192.23	4,364	991	192.75	4,622	3,327
192.24	4,369	1,034	192.76	4,627	3,373
192.25	4,374	1,078	192.77	4,632	3,420
192.26	4,379	1,122	192.78	4,637	3,466
192.27	4,384	1,166	192.79	4,642	3,512
192.28	4,389	1,209	192.80	4,647	3,559
192.29	4,394	1,253	192.81	4,652	3,605
192.30	4,399	1,297	192.82	4,657	3,652
192.31	4,404	1,341	192.83	4,662	3,698
192.32	4,409	1,385	192.84	4,667	3,745
192.33	4,414	1,430	192.85	4,672	3,792
192.34	4,419	1,474	192.86	4,677	3,838
192.35	4,424	1,518	192.87	4,682	3,885
192.36	4,429	1,562	192.88	4,686	3,932
192.37	4,434	1,606	192.89	4,691	3,979
192.38	4,438	1,651	192.90	4,696	4,026
192.39	4,443	1,695	192.91	4,701	4,073
192.40	4,448	1,740	192.92	4,706	4,120
192.41	4,453	1,784	192.93	4,711	4,167
192.42	4,458	1,829	192.94	4,716	4,214
192.43	4,463	1,873	192.95	4,721	4,261
192.44	4,468	1,918	192.96	4,726	4,309
192.45	4,473	1,963	192.97	4,731	4,356
192.46	4,478	2,007	192.98	4,736	4,403
192.47	4,483	2,052	192.99	4,741	4,451
192.48	4,488	2,097	193.00	4,746	4,498
192.49	4,493	2,142	193.01	4,751	4,545
192.50	4,498	2,187	193.02	4,756	4,593
192.51	4,503	2,232	193.03	4,761	4,641

Stage-Area-Storage for Pond B-55: Basin #55 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
193.04	4,766	4,688	193.56	5,032	7,236
193.05	4,772	4,736	193.57	5,037	7,286
193.06	4,777	4,784	193.58	5,042	7,337
193.07	4,782	4,831	193.59	5,047	7,387
193.08	4,787	4,879	193.60	5,053	7,438
193.09	4,792	4,927	193.61	5,058	7,488
193.10	4,797	4,975	193.62	5,063	7,539
193.11	4,802	5,023	193.63	5,068	7,589
193.12	4,807	5,071	193.64	5,073	7,640
193.13	4,812	5,119	193.65	5,078	7,691
193.14	4,818	5,167	193.66	5,083	7,742
193.15	4,823	5,216	193.67	5,088	7,793
193.16	4,828	5,264	193.68	5,093	7,843
193.17	4,833	5,312	193.69	5,099	7,894
193.18	4,838	5,361	193.70	5,104	7,945
193.19	4,843	5,409	193.71	5,109	7,996
193.20	4,848	5,457	193.72	5,114	8,048
193.21	4,853	5,506	193.73	5,119	8,099
193.22	4,858	5,554	193.74	5,124	8,150
193.23	4,864	5,603	193.75	5,129	8,201
193.24	4,869	5,652	193.76	5,134	8,253
193.25	4,874	5,700	193.77	5,139	8,304
193.26	4,879	5,749	193.78	5,145	8,355
193.27	4,884	5,798	193.79	5,150	8,407
193.28	4,889	5,847	193.80	5,155	8,458
193.29	4,894	5,896	193.81	5,160	8,510
193.30	4,899	5,945	193.82	5,165	8,562
193.31	4,904	5,994	193.83	5,170	8,613
193.32	4,910	6,043	193.84	5,175	8,665
193.33	4,915	6,092	193.85	5,180	8,717
193.34	4,920	6,141	193.86	5,185	8,769
193.35	4,925	6,190	193.87	5,191	8,820
193.36	4,930	6,240	193.88	5,196	8,872
193.37	4,935	6,289	193.89	5,201	8,924
193.38	4,940	6,338	193.90	5,206	8,976
193.39	4,945	6,388	193.91	5,211	9,028
193.40	4,950	6,437	193.92	5,216	9,081
193.41	4,956	6,487	193.93	5,221	9,133
193.42	4,961	6,536	193.94	5,226	9,185
193.43	4,966	6,586	193.95	5,231	9,237
193.44	4,971	6,636	193.96	5,237	9,290
193.45	4,976	6,685	193.97	5,242	9,342
193.46	4,981	6,735	193.98	5,247	9,394
193.47	4,986	6,785	193.99	5,252	9,447
193.48	4,991	6,835	194.00	5,257	9,500
193.49	4,996	6,885	194.01	5,262	9,552
193.50	5,002	6,935	194.02	5,268	9,605
193.51	5,007	6,985	194.03	5,273	9,657
193.52	5,012	7,035	194.04	5,278	9,710
193.53	5,017	7,085	194.05	5,283	9,763
193.54	5,022	7,135	194.06	5,289	9,816
193.55	5,027	7,186	194.07	5,294	9,869

Stage-Area-Storage for Pond B-55: Basin #55 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
194.08	5,299	9,922	194.60	5,573	12,749
194.09	5,304	9,975	194.61	5,578	12,804
194.10	5,310	10,028	194.62	5,584	12,860
194.11	5,315	10,081	194.63	5,589	12,916
194.12	5,320	10,134	194.64	5,594	12,972
194.13	5,326	10,187	194.65	5,600	13,028
194.14	5,331	10,241	194.66	5,605	13,084
194.15	5,336	10,294	194.67	5,610	13,140
194.16	5,341	10,347	194.68	5,615	13,196
194.17	5,347	10,401	194.69	5,621	13,252
194.18	5,352	10,454	194.70	5,626	13,309
194.19	5,357	10,508	194.71	5,631	13,365
194.20	5,362	10,561	194.72	5,636	13,421
194.21	5,368	10,615	194.73	5,642	13,478
194.22	5,373	10,669	194.74	5,647	13,534
194.23	5,378	10,723	194.75	5,652	13,590
194.24	5,383	10,776	194.76	5,658	13,647
194.25	5,389	10,830	194.77	5,663	13,704
194.26	5,394	10,884	194.78	5,668	13,760
194.27	5,399	10,938	194.79	5,673	13,817
194.28	5,405	10,992	194.80	5,679	13,874
194.29	5,410	11,046	194.81	5,684	13,931
194.30	5,415	11,100	194.82	5,689	13,987
194.31	5,420	11,154	194.83	5,694	14,044
194.32	5,426	11,209	194.84	5,700	14,101
194.33	5,431	11,263	194.85	5,705	14,158
194.34	5,436	11,317	194.86	5,710	14,215
194.35	5,441	11,372	194.87	5,715	14,273
194.36	5,447	11,426	194.88	5,721	14,330
194.37	5,452	11,481	194.89	5,726	14,387
194.38	5,457	11,535	194.90	5,731	14,444
194.39	5,463	11,590	194.91	5,737	14,502
194.40	5,468	11,644	194.92	5,742	14,559
194.41	5,473	11,699	194.93	5,747	14,616
194.42	5,478	11,754	194.94	5,752	14,674
194.43	5,484	11,809	194.95	5,758	14,731
194.44	5,489	11,864	194.96	5,763	14,789
194.45	5,494	11,919	194.97	5,768	14,847
194.46	5,499	11,973	194.98	5,773	14,904
194.47	5,505	12,028	194.99	5,779	14,962
194.48	5,510	12,084	195.00	5,784	15,020
194.49	5,515	12,139	195.01	5,789	15,078
194.50	5,521	12,194	195.02	5,795	15,136
194.51	5,526	12,249	195.03	5,800	15,194
194.52	5,531	12,304	195.04	5,806	15,252
194.53	5,536	12,360	195.05	5,811	15,310
194.54	5,542	12,415	195.06	5,817	15,368
194.55	5,547	12,471	195.07	5,822	15,426
194.56	5,552	12,526	195.08	5,827	15,484
194.57	5,557	12,582	195.09	5,833	15,543
194.58	5,563	12,637	195.10	5,838	15,601
194.59	5,568	12,693	195.11	5,844	15,660

Stage-Area-Storage for Pond B-55: Basin #55 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
195.12	5,849	15,718
195.13	5,855	15,777
195.14	5,860	15,835
195.15	5,865	15,894
195.16	5,871	15,952
195.17	5,876	16,011
195.18	5,882	16,070
195.19	5,887	16,129
195.20	5,893	16,188
195.21	5,898	16,247
195.22	5,903	16,306
195.23	5,909	16,365
195.24	5,914	16,424
195.25	5,920	16,483
195.26	5,925	16,542
195.27	5,931	16,601
195.28	5,936	16,661
195.29	5,941	16,720
195.30	5,947	16,780
195.31	5,952	16,839
195.32	5,958	16,899
195.33	5,963	16,958
195.34	5,969	17,018
195.35	5,974	17,078
195.36	5,979	17,137
195.37	5,985	17,197
195.38	5,990	17,257
195.39	5,996	17,317
195.40	6,001	17,377
195.41	6,007	17,437
195.42	6,012	17,497
195.43	6,017	17,557
195.44	6,023	17,618
195.45	6,028	17,678
195.46	6,034	17,738
195.47	6,039	17,798
195.48	6,045	17,859
195.49	6,050	17,919
195.50	6,056	17,980
195.51	6,061	18,040
195.52	6,066	18,101
195.53	6,072	18,162
195.54	6,077	18,223
195.55	6,083	18,283
195.56	6,088	18,344
195.57	6,094	18,405
195.58	6,099	18,466
195.59	6,104	18,527
195.60	6,110	18,588
195.61	6,115	18,649
195.62	6,121	18,710
195.63	6,126	18,772
195.64	6,132	18,833
195.65	6,137	18,894
195.66	6,142	18,956
195.67	6,148	19,017
195.68	6,153	19,079
195.69	6,159	19,140
195.70	6,164	19,202
195.71	6,170	19,264
195.72	6,175	19,325
195.73	6,180	19,387
195.74	6,186	19,449
195.75	6,191	19,511
195.76	6,197	19,573
195.77	6,202	19,635
195.78	6,208	19,697
195.79	6,213	19,759
195.80	6,218	19,821
195.81	6,224	19,883
195.82	6,229	19,945
195.83	6,235	20,008
195.84	6,240	20,070
195.85	6,246	20,133
195.86	6,251	20,195
195.87	6,256	20,258
195.88	6,262	20,320
195.89	6,267	20,383
195.90	6,273	20,446
195.91	6,278	20,508
195.92	6,284	20,571
195.93	6,289	20,634
195.94	6,294	20,697
195.95	6,300	20,760
195.96	6,305	20,823
195.97	6,311	20,886
195.98	6,316	20,949
195.99	6,322	21,012
196.00	**6,327**	**21,076**

Summary for Pond B-56: Basin #56

Inflow Area = 1.512 ac, 31.08% Impervious, Inflow Depth = 3.17" for Current 10 yr event
Inflow = 6.53 cfs @ 12.09 hrs, Volume= 0.399 af
Outflow = 0.21 cfs @ 14.80 hrs, Volume= 0.335 af, Atten= 97%, Lag= 162.7 min
Primary = 0.21 cfs @ 14.80 hrs, Volume= 0.335 af
Routed to Pond B-51 : Basin #51

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 194.11' @ 14.80 hrs Surf.Area= 6,033 sf Storage= 11,668 cf

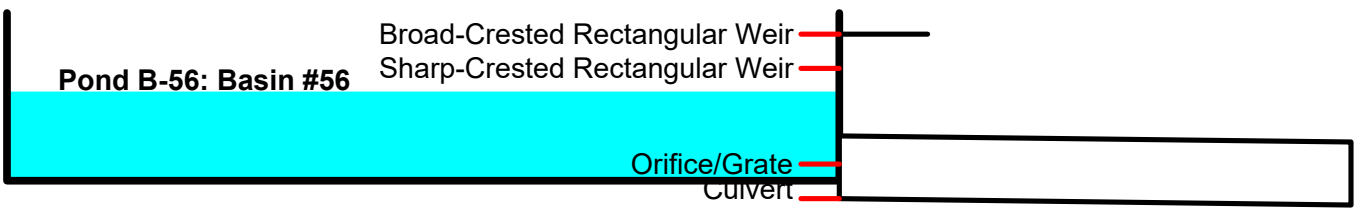
Plug-Flow detention time= 654.4 min calculated for 0.335 af (84% of inflow)
Center-of-Mass det. time= 582.5 min (1,376.0 - 793.5)

Volume	Invert	Avail.Storage	Storage Description
#1	192.00'	23,952 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

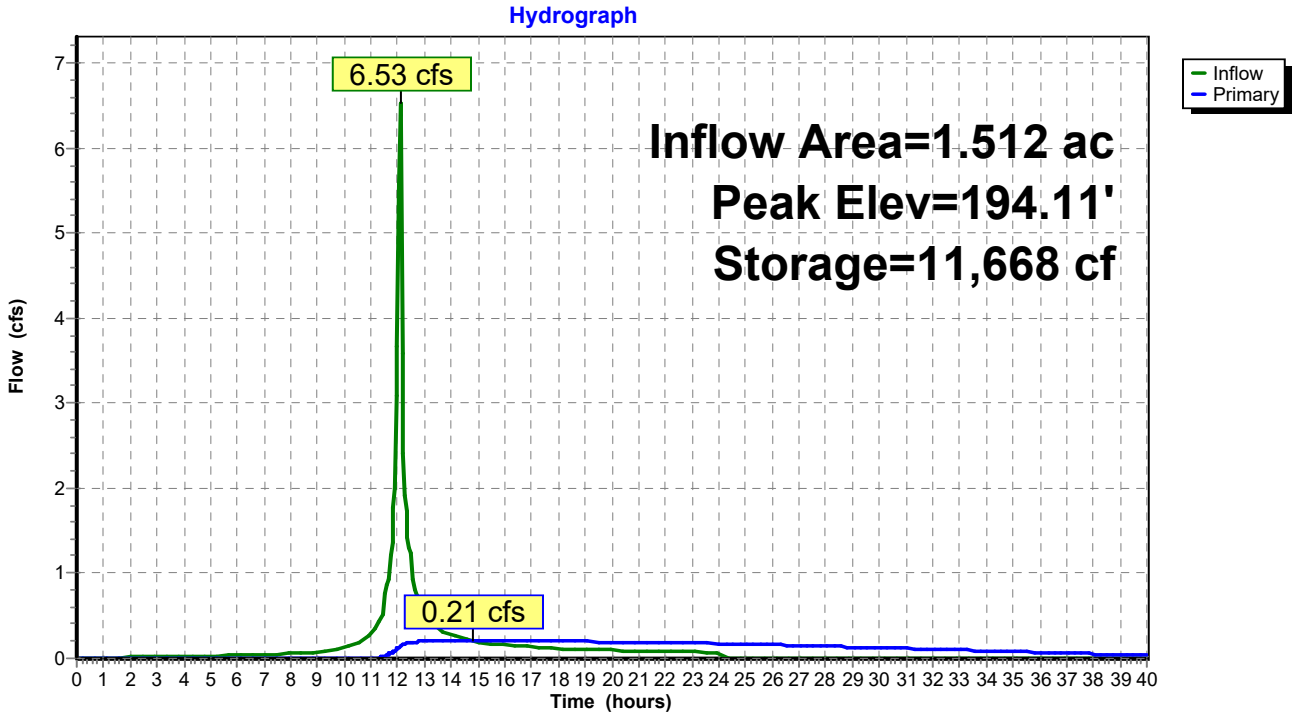
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
192.00	5,021	0	0
193.00	5,490	5,256	5,256
194.00	5,976	5,733	10,989
195.00	6,478	6,227	17,216
196.00	6,995	6,737	23,952

Device	Routing	Invert	Outlet Devices
#1	Primary	191.57'	**18.0" Round Culvert** L= 29.0' Ke= 0.500 Inlet / Outlet Invert= 191.57' / 191.42' S= 0.0052 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	192.40'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	194.68'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	195.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.21 cfs @ 14.80 hrs HW=194.11' (Free Discharge)
- **1=Culvert** (Passes 0.21 cfs of 10.87 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.21 cfs @ 6.11 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-56: Basin #56



Hydrograph for Pond B-56: Basin #56

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	192.00	0.00
0.10	0.00	0	192.00	0.00
0.20	0.00	0	192.00	0.00
0.30	0.00	0	192.00	0.00
0.40	0.00	0	192.00	0.00
0.50	0.00	0	192.00	0.00
0.60	0.00	0	192.00	0.00
0.70	0.00	0	192.00	0.00
0.80	0.00	0	192.00	0.00
0.90	0.00	0	192.00	0.00
1.00	0.00	1	192.00	0.00
1.10	0.00	3	192.00	0.00
1.20	0.01	4	192.00	0.00
1.30	0.01	6	192.00	0.00
1.40	0.01	9	192.00	0.00
1.50	0.01	12	192.00	0.00
1.60	0.01	15	192.00	0.00
1.70	0.01	19	192.00	0.00
1.80	0.01	23	192.00	0.00
1.90	0.01	27	192.01	0.00
2.00	0.01	32	192.01	0.00
2.10	0.01	36	192.01	0.00
2.20	0.01	42	192.01	0.00
2.30	0.02	47	192.01	0.00
2.40	0.02	53	192.01	0.00
2.50	0.02	59	192.01	0.00
2.60	0.02	65	192.01	0.00
2.70	0.02	71	192.01	0.00
2.80	0.02	78	192.02	0.00
2.90	0.02	85	192.02	0.00
3.00	0.02	92	192.02	0.00
3.10	0.02	100	192.02	0.00
3.20	0.02	107	192.02	0.00
3.30	0.02	115	192.02	0.00
3.40	0.02	123	192.02	0.00
3.50	0.02	131	192.03	0.00
3.60	0.02	139	192.03	0.00
3.70	0.02	148	192.03	0.00
3.80	0.02	157	192.03	0.00
3.90	0.02	166	192.03	0.00
4.00	0.03	175	192.03	0.00
4.10	0.03	184	192.04	0.00
4.20	0.03	193	192.04	0.00
4.30	0.03	203	192.04	0.00
4.40	0.03	213	192.04	0.00
4.50	0.03	223	192.04	0.00
4.60	0.03	233	192.05	0.00
4.70	0.03	243	192.05	0.00
4.80	0.03	253	192.05	0.00
4.90	0.03	264	192.05	0.00
5.00	0.03	274	192.05	0.00
5.10	0.03	285	192.06	0.00

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.03	296	192.06	0.00
5.30	0.03	307	192.06	0.00
5.40	0.03	319	192.06	0.00
5.50	0.03	330	192.07	0.00
5.60	0.03	341	192.07	0.00
5.70	0.03	353	192.07	0.00
5.80	0.03	365	192.07	0.00
5.90	0.03	377	192.07	0.00
6.00	0.03	389	192.08	0.00
6.10	0.03	401	192.08	0.00
6.20	0.04	414	192.08	0.00
6.30	0.04	427	192.08	0.00
6.40	0.04	440	192.09	0.00
6.50	0.04	454	192.09	0.00
6.60	0.04	468	192.09	0.00
6.70	0.04	482	192.10	0.00
6.80	0.04	497	192.10	0.00
6.90	0.04	512	192.10	0.00
7.00	0.04	528	192.10	0.00
7.10	0.04	544	192.11	0.00
7.20	0.05	560	192.11	0.00
7.30	0.05	577	192.11	0.00
7.40	0.05	594	192.12	0.00
7.50	0.05	611	192.12	0.00
7.60	0.05	629	192.12	0.00
7.70	0.05	647	192.13	0.00
7.80	0.05	665	192.13	0.00
7.90	0.05	684	192.14	0.00
8.00	0.05	703	192.14	0.00
8.10	0.05	723	192.14	0.00
8.20	0.06	743	192.15	0.00
8.30	0.06	763	192.15	0.00
8.40	0.06	784	192.15	0.00
8.50	0.06	805	192.16	0.00
8.60	0.06	826	192.16	0.00
8.70	0.06	848	192.17	0.00
8.80	0.06	870	192.17	0.00
8.90	0.06	893	192.18	0.00
9.00	0.07	916	192.18	0.00
9.10	0.07	941	192.19	0.00
9.20	0.08	968	192.19	0.00
9.30	0.08	997	192.20	0.00
9.40	0.09	1,028	192.20	0.00
9.50	0.09	1,060	192.21	0.00
9.60	0.10	1,095	192.22	0.00
9.70	0.11	1,132	192.22	0.00
9.80	0.11	1,171	192.23	0.00
9.90	0.12	1,213	192.24	0.00
10.00	0.13	1,257	192.25	0.00
10.10	0.13	1,303	192.26	0.00
10.20	0.14	1,353	192.27	0.00
10.30	0.15	1,404	192.28	0.00

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.15	1,459	192.29	0.00
10.50	0.16	1,516	192.30	0.00
10.60	0.18	1,579	192.31	0.00
10.70	0.21	1,651	192.32	0.00
10.80	0.23	1,731	192.34	0.00
10.90	0.26	1,820	192.36	0.00
11.00	0.29	1,918	192.38	0.00
11.10	0.33	2,031	192.40	0.00
11.20	0.38	2,160	192.42	0.00
11.30	0.43	2,307	192.45	0.01
11.40	0.49	2,472	192.48	0.01
11.50	0.54	2,652	192.52	0.02
11.60	0.86	2,904	192.56	0.04
11.70	0.95	3,213	192.62	0.06
11.80	1.35	3,616	192.70	0.07
11.90	1.99	4,205	192.81	0.09
12.00	3.66	5,232	193.00	0.12
12.10	**6.39**	7,093	193.33	0.15
12.20	2.42	8,472	193.57	0.17
12.30	1.74	9,129	193.68	0.18
12.40	1.29	9,590	193.76	0.18
12.50	1.22	9,972	193.83	0.19
12.60	0.80	10,252	193.88	0.19
12.70	0.75	10,460	193.91	0.19
12.80	0.69	10,647	193.94	0.20
12.90	0.63	10,810	193.97	0.20
13.00	0.56	10,949	193.99	0.20
13.10	0.50	11,064	194.01	0.20
13.20	0.46	11,162	194.03	0.20
13.30	0.43	11,247	194.04	0.20
13.40	0.39	11,320	194.06	0.20
13.50	0.35	11,379	194.07	0.21
13.60	0.32	11,425	194.07	0.21
13.70	0.31	11,464	194.08	0.21
13.80	0.30	11,499	194.09	0.21
13.90	0.29	11,532	194.09	0.21
14.00	0.28	11,560	194.10	0.21
14.10	0.27	11,586	194.10	0.21
14.20	0.27	11,608	194.10	0.21
14.30	0.26	11,626	194.11	0.21
14.40	0.25	11,641	194.11	0.21
14.50	0.24	11,653	194.11	0.21
14.60	0.23	11,662	194.11	0.21
14.70	0.22	11,666	194.11	0.21
14.80	0.21	**11,668**	**194.11**	**0.21**
14.90	0.20	11,666	194.11	0.21
15.00	0.19	11,661	194.11	0.21
15.10	0.18	11,652	194.11	0.21
15.20	0.18	11,642	194.11	0.21
15.30	0.18	11,631	194.11	0.21
15.40	0.17	11,619	194.10	0.21
15.50	0.17	11,606	194.10	0.21

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.17	11,592	194.10	0.21
15.70	0.17	11,577	194.10	0.21
15.80	0.16	11,562	194.10	0.21
15.90	0.16	11,546	194.09	0.21
16.00	0.16	11,529	194.09	0.21
16.10	0.16	11,511	194.09	0.21
16.20	0.15	11,492	194.08	0.21
16.30	0.15	11,472	194.08	0.21
16.40	0.15	11,452	194.08	0.21
16.50	0.15	11,431	194.07	0.21
16.60	0.14	11,409	194.07	0.21
16.70	0.14	11,386	194.07	0.21
16.80	0.14	11,363	194.06	0.20
16.90	0.14	11,338	194.06	0.20
17.00	0.13	11,313	194.05	0.20
17.10	0.13	11,287	194.05	0.20
17.20	0.13	11,260	194.05	0.20
17.30	0.13	11,233	194.04	0.20
17.40	0.12	11,204	194.04	0.20
17.50	0.12	11,175	194.03	0.20
17.60	0.12	11,145	194.03	0.20
17.70	0.12	11,114	194.02	0.20
17.80	0.11	11,082	194.02	0.20
17.90	0.11	11,050	194.01	0.20
18.00	0.11	11,017	194.00	0.20
18.10	0.11	10,983	194.00	0.20
18.20	0.10	10,949	193.99	0.20
18.30	0.10	10,914	193.99	0.20
18.40	0.10	10,880	193.98	0.20
18.50	0.10	10,845	193.98	0.20
18.60	0.10	10,810	193.97	0.20
18.70	0.10	10,776	193.96	0.20
18.80	0.10	10,741	193.96	0.20
18.90	0.10	10,706	193.95	0.20
19.00	0.10	10,671	193.95	0.20
19.10	0.10	10,636	193.94	0.20
19.20	0.10	10,601	193.93	0.20
19.30	0.10	10,565	193.93	0.20
19.40	0.10	10,530	193.92	0.20
19.50	0.10	10,495	193.92	0.20
19.60	0.10	10,459	193.91	0.19
19.70	0.10	10,424	193.91	0.19
19.80	0.10	10,388	193.90	0.19
19.90	0.09	10,353	193.89	0.19
20.00	0.09	10,317	193.89	0.19
20.10	0.09	10,281	193.88	0.19
20.20	0.09	10,245	193.87	0.19
20.30	0.09	10,209	193.87	0.19
20.40	0.09	10,173	193.86	0.19
20.50	0.09	10,137	193.86	0.19
20.60	0.09	10,101	193.85	0.19
20.70	0.09	10,065	193.84	0.19

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.09	10,029	193.84	0.19
20.90	0.09	9,992	193.83	0.19
21.00	0.09	9,956	193.83	0.19
21.10	0.09	9,919	193.82	0.19
21.20	0.09	9,882	193.81	0.19
21.30	0.09	9,846	193.81	0.19
21.40	0.08	9,809	193.80	0.19
21.50	0.08	9,772	193.79	0.19
21.60	0.08	9,736	193.79	0.19
21.70	0.08	9,699	193.78	0.19
21.80	0.08	9,662	193.78	0.19
21.90	0.08	9,625	193.77	0.18
22.00	0.08	9,588	193.76	0.18
22.10	0.08	9,550	193.76	0.18
22.20	0.08	9,513	193.75	0.18
22.30	0.08	9,476	193.74	0.18
22.40	0.08	9,439	193.74	0.18
22.50	0.08	9,401	193.73	0.18
22.60	0.08	9,364	193.73	0.18
22.70	0.08	9,326	193.72	0.18
22.80	0.08	9,288	193.71	0.18
22.90	0.08	9,251	193.71	0.18
23.00	0.08	9,213	193.70	0.18
23.10	0.07	9,175	193.69	0.18
23.20	0.07	9,138	193.69	0.18
23.30	0.07	9,100	193.68	0.18
23.40	0.07	9,062	193.67	0.18
23.50	0.07	9,024	193.67	0.18
23.60	0.07	8,986	193.66	0.18
23.70	0.07	8,948	193.65	0.18
23.80	0.07	8,910	193.65	0.18
23.90	0.07	8,871	193.64	0.17
24.00	0.08	8,837	193.63	0.17
24.10	0.00	8,786	193.63	0.17
24.20	0.00	8,723	193.61	0.17
24.30	0.00	8,661	193.60	0.17
24.40	0.00	8,600	193.59	0.17
24.50	0.00	8,538	193.58	0.17
24.60	0.00	8,477	193.57	0.17
24.70	0.00	8,416	193.56	0.17
24.80	0.00	8,355	193.55	0.17
24.90	0.00	8,295	193.54	0.17
25.00	0.00	8,235	193.53	0.17
25.10	0.00	8,175	193.52	0.17
25.20	0.00	8,116	193.51	0.16
25.30	0.00	8,057	193.50	0.16
25.40	0.00	7,998	193.49	0.16
25.50	0.00	7,940	193.48	0.16
25.60	0.00	7,881	193.47	0.16
25.70	0.00	7,823	193.46	0.16
25.80	0.00	7,766	193.45	0.16
25.90	0.00	7,709	193.44	0.16

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	7,652	193.43	0.16
26.10	0.00	7,595	193.42	0.16
26.20	0.00	7,539	193.41	0.16
26.30	0.00	7,483	193.40	0.16
26.40	0.00	7,427	193.39	0.15
26.50	0.00	7,371	193.38	0.15
26.60	0.00	7,316	193.37	0.15
26.70	0.00	7,262	193.36	0.15
26.80	0.00	7,207	193.35	0.15
26.90	0.00	7,153	193.34	0.15
27.00	0.00	7,099	193.33	0.15
27.10	0.00	7,045	193.32	0.15
27.20	0.00	6,992	193.31	0.15
27.30	0.00	6,939	193.30	0.15
27.40	0.00	6,887	193.29	0.15
27.50	0.00	6,834	193.28	0.14
27.60	0.00	6,782	193.27	0.14
27.70	0.00	6,731	193.27	0.14
27.80	0.00	6,679	193.26	0.14
27.90	0.00	6,628	193.25	0.14
28.00	0.00	6,577	193.24	0.14
28.10	0.00	6,527	193.23	0.14
28.20	0.00	6,477	193.22	0.14
28.30	0.00	6,427	193.21	0.14
28.40	0.00	6,377	193.20	0.14
28.50	0.00	6,328	193.19	0.14
28.60	0.00	6,279	193.18	0.14
28.70	0.00	6,231	193.18	0.13
28.80	0.00	6,182	193.17	0.13
28.90	0.00	6,134	193.16	0.13
29.00	0.00	6,087	193.15	0.13
29.10	0.00	6,039	193.14	0.13
29.20	0.00	5,992	193.13	0.13
29.30	0.00	5,946	193.12	0.13
29.40	0.00	5,899	193.12	0.13
29.50	0.00	5,853	193.11	0.13
29.60	0.00	5,807	193.10	0.13
29.70	0.00	5,762	193.09	0.13
29.80	0.00	5,717	193.08	0.12
29.90	0.00	5,672	193.08	0.12
30.00	0.00	5,627	193.07	0.12
30.10	0.00	5,583	193.06	0.12
30.20	0.00	5,539	193.05	0.12
30.30	0.00	5,496	193.04	0.12
30.40	0.00	5,453	193.04	0.12
30.50	0.00	5,410	193.03	0.12
30.60	0.00	5,367	193.02	0.12
30.70	0.00	5,325	193.01	0.12
30.80	0.00	5,283	193.00	0.12
30.90	0.00	5,241	193.00	0.12
31.00	0.00	5,200	192.99	0.11
31.10	0.00	5,159	192.98	0.11

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	5,118	192.97	0.11
31.30	0.00	5,078	192.97	0.11
31.40	0.00	5,038	192.96	0.11
31.50	0.00	4,998	192.95	0.11
31.60	0.00	4,958	192.95	0.11
31.70	0.00	4,919	192.94	0.11
31.80	0.00	4,881	192.93	0.11
31.90	0.00	4,842	192.92	0.11
32.00	0.00	4,804	192.92	0.11
32.10	0.00	4,766	192.91	0.10
32.20	0.00	4,729	192.90	0.10
32.30	0.00	4,692	192.90	0.10
32.40	0.00	4,655	192.89	0.10
32.50	0.00	4,618	192.88	0.10
32.60	0.00	4,582	192.88	0.10
32.70	0.00	4,546	192.87	0.10
32.80	0.00	4,510	192.86	0.10
32.90	0.00	4,475	192.86	0.10
33.00	0.00	4,440	192.85	0.10
33.10	0.00	4,406	192.84	0.10
33.20	0.00	4,371	192.84	0.09
33.30	0.00	4,337	192.83	0.09
33.40	0.00	4,304	192.83	0.09
33.50	0.00	4,270	192.82	0.09
33.60	0.00	4,237	192.81	0.09
33.70	0.00	4,205	192.81	0.09
33.80	0.00	4,172	192.80	0.09
33.90	0.00	4,140	192.80	0.09
34.00	0.00	4,109	192.79	0.09
34.10	0.00	4,077	192.78	0.09
34.20	0.00	4,046	192.78	0.09
34.30	0.00	4,016	192.77	0.08
34.40	0.00	3,985	192.77	0.08
34.50	0.00	3,955	192.76	0.08
34.60	0.00	3,925	192.76	0.08
34.70	0.00	3,896	192.75	0.08
34.80	0.00	3,867	192.74	0.08
34.90	0.00	3,838	192.74	0.08
35.00	0.00	3,810	192.73	0.08
35.10	0.00	3,782	192.73	0.08
35.20	0.00	3,754	192.72	0.08
35.30	0.00	3,726	192.72	0.08
35.40	0.00	3,699	192.71	0.07
35.50	0.00	3,672	192.71	0.07
35.60	0.00	3,646	192.70	0.07
35.70	0.00	3,620	192.70	0.07
35.80	0.00	3,594	192.69	0.07
35.90	0.00	3,568	192.69	0.07
36.00	0.00	3,543	192.68	0.07
36.10	0.00	3,518	192.68	0.07
36.20	0.00	3,494	192.67	0.07
36.30	0.00	3,470	192.67	0.07

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	3,446	192.67	0.07
36.50	0.00	3,422	192.66	0.06
36.60	0.00	3,399	192.66	0.06
36.70	0.00	3,376	192.65	0.06
36.80	0.00	3,354	192.65	0.06
36.90	0.00	3,331	192.64	0.06
37.00	0.00	3,309	192.64	0.06
37.10	0.00	3,288	192.64	0.06
37.20	0.00	3,266	192.63	0.06
37.30	0.00	3,246	192.63	0.06
37.40	0.00	3,225	192.62	0.06
37.50	0.00	3,205	192.62	0.06
37.60	0.00	3,185	192.62	0.06
37.70	0.00	3,165	192.61	0.05
37.80	0.00	3,146	192.61	0.05
37.90	0.00	3,127	192.61	0.05
38.00	0.00	3,108	192.60	0.05
38.10	0.00	3,089	192.60	0.05
38.20	0.00	3,071	192.60	0.05
38.30	0.00	3,054	192.59	0.05
38.40	0.00	3,036	192.59	0.05
38.50	0.00	3,019	192.59	0.05
38.60	0.00	3,003	192.58	0.05
38.70	0.00	2,987	192.58	0.04
38.80	0.00	2,971	192.58	0.04
38.90	0.00	2,955	192.57	0.04
39.00	0.00	2,940	192.57	0.04
39.10	0.00	2,925	192.57	0.04
39.20	0.00	2,911	192.56	0.04
39.30	0.00	2,897	192.56	0.04
39.40	0.00	2,883	192.56	0.04
39.50	0.00	2,869	192.56	0.04
39.60	0.00	2,856	192.55	0.04
39.70	0.00	2,843	192.55	0.04
39.80	0.00	2,831	192.55	0.03
39.90	0.00	2,818	192.55	0.03
40.00	0.00	2,806	192.55	0.03

Stage-Discharge for Pond B-56: Basin #56

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
192.00	0.00	192.52	0.02	193.04	0.12	193.56	0.17
192.01	0.00	192.53	0.03	193.05	0.12	193.57	0.17
192.02	0.00	192.54	0.03	193.06	0.12	193.58	0.17
192.03	0.00	192.55	0.03	193.07	0.12	193.59	0.17
192.04	0.00	192.56	0.04	193.08	0.12	193.60	0.17
192.05	0.00	192.57	0.04	193.09	0.13	193.61	0.17
192.06	0.00	192.58	0.05	193.10	0.13	193.62	0.17
192.07	0.00	192.59	0.05	193.11	0.13	193.63	0.17
192.08	0.00	192.60	0.05	193.12	0.13	193.64	0.17
192.09	0.00	192.61	0.05	193.13	0.13	193.65	0.18
192.10	0.00	192.62	0.06	193.14	0.13	193.66	0.18
192.11	0.00	192.63	0.06	193.15	0.13	193.67	0.18
192.12	0.00	192.64	0.06	193.16	0.13	193.68	0.18
192.13	0.00	192.65	0.06	193.17	0.13	193.69	0.18
192.14	0.00	192.66	0.06	193.18	0.13	193.70	0.18
192.15	0.00	192.67	0.07	193.19	0.14	193.71	0.18
192.16	0.00	192.68	0.07	193.20	0.14	193.72	0.18
192.17	0.00	192.69	0.07	193.21	0.14	193.73	0.18
192.18	0.00	192.70	0.07	193.22	0.14	193.74	0.18
192.19	0.00	192.71	0.07	193.23	0.14	193.75	0.18
192.20	0.00	192.72	0.08	193.24	0.14	193.76	0.18
192.21	0.00	192.73	0.08	193.25	0.14	193.77	0.18
192.22	0.00	192.74	0.08	193.26	0.14	193.78	0.19
192.23	0.00	192.75	0.08	193.27	0.14	193.79	0.19
192.24	0.00	192.76	0.08	193.28	0.14	193.80	0.19
192.25	0.00	192.77	0.08	193.29	0.15	193.81	0.19
192.26	0.00	192.78	0.09	193.30	0.15	193.82	0.19
192.27	0.00	192.79	0.09	193.31	0.15	193.83	0.19
192.28	0.00	192.80	0.09	193.32	0.15	193.84	0.19
192.29	0.00	192.81	0.09	193.33	0.15	193.85	0.19
192.30	0.00	192.82	0.09	193.34	0.15	193.86	0.19
192.31	0.00	192.83	0.09	193.35	0.15	193.87	0.19
192.32	0.00	192.84	0.10	193.36	0.15	193.88	0.19
192.33	0.00	192.85	0.10	193.37	0.15	193.89	0.19
192.34	0.00	192.86	0.10	193.38	0.15	193.90	0.19
192.35	0.00	192.87	0.10	193.39	0.15	193.91	0.19
192.36	0.00	192.88	0.10	193.40	0.16	193.92	0.20
192.37	0.00	192.89	0.10	193.41	0.16	193.93	0.20
192.38	0.00	192.90	0.10	193.42	0.16	193.94	0.20
192.39	0.00	192.91	0.10	193.43	0.16	193.95	0.20
192.40	0.00	192.92	0.11	193.44	0.16	193.96	0.20
192.41	0.00	192.93	0.11	193.45	0.16	193.97	0.20
192.42	0.00	192.94	0.11	193.46	0.16	193.98	0.20
192.43	0.00	192.95	0.11	193.47	0.16	193.99	0.20
192.44	0.00	192.96	0.11	193.48	0.16	194.00	0.20
192.45	0.00	192.97	0.11	193.49	0.16	194.01	0.20
192.46	0.01	192.98	0.11	193.50	0.16	194.02	0.20
192.47	0.01	192.99	0.11	193.51	0.16	194.03	0.20
192.48	0.01	193.00	0.12	193.52	0.17	194.04	0.20
192.49	0.01	193.01	0.12	193.53	0.17	194.05	0.20
192.50	0.02	193.02	0.12	193.54	0.17	194.06	0.20
192.51	0.02	193.03	0.12	193.55	0.17	194.07	0.21

Stage-Discharge for Pond B-56: Basin #56 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
194.08	0.21	194.60	0.24	195.12	4.00	195.64	18.17
194.09	0.21	194.61	0.24	195.13	4.13	195.65	19.03
194.10	0.21	194.62	0.24	195.14	4.25	195.66	19.90
194.11	0.21	194.63	0.24	195.15	4.38	195.67	20.81
194.12	0.21	194.64	0.24	195.16	4.51	195.68	21.73
194.13	0.21	194.65	0.24	195.17	4.64	195.69	22.68
194.14	0.21	194.66	0.24	195.18	4.78	195.70	23.65
194.15	0.21	194.67	0.24	195.19	4.91	195.71	24.67
194.16	0.21	194.68	0.24	195.20	5.05	195.72	25.73
194.17	0.21	194.69	0.26	195.21	5.18	195.73	26.81
194.18	0.21	194.70	0.28	195.22	5.32	195.74	27.92
194.19	0.21	194.71	0.31	195.23	5.46	195.75	29.05
194.20	0.21	194.72	0.35	195.24	5.60	195.76	30.21
194.21	0.21	194.73	0.39	195.25	5.74	195.77	31.40
194.22	0.22	194.74	0.44	195.26	5.88	195.78	32.61
194.23	0.22	194.75	0.49	195.27	6.03	195.79	33.84
194.24	0.22	194.76	0.54	195.28	6.17	195.80	35.10
194.25	0.22	194.77	0.60	195.29	6.32	195.81	36.39
194.26	0.22	194.78	0.66	195.30	6.46	195.82	37.70
194.27	0.22	194.79	0.72	195.31	6.61	195.83	39.04
194.28	0.22	194.80	0.79	195.32	6.76	195.84	40.40
194.29	0.22	194.81	0.86	195.33	6.91	195.85	41.78
194.30	0.22	194.82	0.93	195.34	7.06	195.86	43.12
194.31	0.22	194.83	1.00	195.35	7.21	195.87	44.39
194.32	0.22	194.84	1.08	195.36	7.36	195.88	45.68
194.33	0.22	194.85	1.16	195.37	7.52	195.89	46.99
194.34	0.22	194.86	1.24	195.38	7.67	195.90	48.33
194.35	0.22	194.87	1.33	195.39	7.83	195.91	49.72
194.36	0.22	194.88	1.41	195.40	7.98	195.92	51.13
194.37	0.22	194.89	1.50	195.41	8.14	195.93	52.57
194.38	0.22	194.90	1.59	195.42	8.30	195.94	54.04
194.39	0.23	194.91	1.68	195.43	8.46	195.95	55.53
194.40	0.23	194.92	1.77	195.44	8.62	195.96	57.05
194.41	0.23	194.93	1.87	195.45	8.78	195.97	58.59
194.42	0.23	194.94	1.97	195.46	8.94	195.98	60.17
194.43	0.23	194.95	2.07	195.47	9.10	195.99	61.76
194.44	0.23	194.96	2.17	195.48	9.27	196.00	**63.39**
194.45	0.23	194.97	2.27	195.49	9.43		
194.46	0.23	194.98	2.38	195.50	9.60		
194.47	0.23	194.99	2.48	195.51	9.88		
194.48	0.23	195.00	2.59	195.52	10.26		
194.49	0.23	195.01	2.70	195.53	10.71		
194.50	0.23	195.02	2.81	195.54	11.21		
194.51	0.23	195.03	2.92	195.55	11.75		
194.52	0.23	195.04	3.04	195.56	12.33		
194.53	0.23	195.05	3.15	195.57	12.96		
194.54	0.23	195.06	3.27	195.58	13.61		
194.55	0.23	195.07	3.39	195.59	14.30		
194.56	0.24	195.08	3.51	195.60	15.02		
194.57	0.24	195.09	3.63	195.61	15.77		
194.58	0.24	195.10	3.75	195.62	16.54		
194.59	0.24	195.11	3.87	195.63	17.34		

Stage-Area-Storage for Pond B-56: Basin #56

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
192.00	5,021	0	192.52	5,265	2,674
192.01	5,026	50	192.53	5,270	2,727
192.02	5,030	101	192.54	5,274	2,780
192.03	5,035	151	192.55	5,279	2,832
192.04	5,040	201	192.56	5,284	2,885
192.05	5,044	252	192.57	5,288	2,938
192.06	5,049	302	192.58	5,293	2,991
192.07	5,054	353	192.59	5,298	3,044
192.08	5,059	403	192.60	5,302	3,097
192.09	5,063	454	192.61	5,307	3,150
192.10	5,068	504	192.62	5,312	3,203
192.11	5,073	555	192.63	5,316	3,256
192.12	5,077	606	192.64	5,321	3,309
192.13	5,082	657	192.65	5,326	3,363
192.14	5,087	708	192.66	5,331	3,416
192.15	5,091	758	192.67	5,335	3,469
192.16	5,096	809	192.68	5,340	3,523
192.17	5,101	860	192.69	5,345	3,576
192.18	5,105	911	192.70	5,349	3,630
192.19	5,110	962	192.71	5,354	3,683
192.20	5,115	1,014	192.72	5,359	3,737
192.21	5,119	1,065	192.73	5,363	3,790
192.22	5,124	1,116	192.74	5,368	3,844
192.23	5,129	1,167	192.75	5,373	3,898
192.24	5,134	1,219	192.76	5,377	3,951
192.25	5,138	1,270	192.77	5,382	4,005
192.26	5,143	1,321	192.78	5,387	4,059
192.27	5,148	1,373	192.79	5,392	4,113
192.28	5,152	1,424	192.80	5,396	4,167
192.29	5,157	1,476	192.81	5,401	4,221
192.30	5,162	1,527	192.82	5,406	4,275
192.31	5,166	1,579	192.83	5,410	4,329
192.32	5,171	1,631	192.84	5,415	4,383
192.33	5,176	1,682	192.85	5,420	4,437
192.34	5,180	1,734	192.86	5,424	4,491
192.35	5,185	1,786	192.87	5,429	4,546
192.36	5,190	1,838	192.88	5,434	4,600
192.37	5,195	1,890	192.89	5,438	4,654
192.38	5,199	1,942	192.90	5,443	4,709
192.39	5,204	1,994	192.91	5,448	4,763
192.40	5,209	2,046	192.92	5,452	4,818
192.41	5,213	2,098	192.93	5,457	4,872
192.42	5,218	2,150	192.94	5,462	4,927
192.43	5,223	2,202	192.95	5,467	4,982
192.44	5,227	2,255	192.96	5,471	5,036
192.45	5,232	2,307	192.97	5,476	5,091
192.46	5,237	2,359	192.98	5,481	5,146
192.47	5,241	2,412	192.99	5,485	5,201
192.48	5,246	2,464	193.00	5,490	5,256
192.49	5,251	2,517	193.01	5,495	5,310
192.50	5,256	2,569	193.02	5,500	5,365
192.51	5,260	2,622	193.03	5,505	5,420

Stage-Area-Storage for Pond B-56: Basin #56 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
193.04	5,509	5,475	193.56	5,762	8,406
193.05	5,514	5,531	193.57	5,767	8,464
193.06	5,519	5,586	193.58	5,772	8,521
193.07	5,524	5,641	193.59	5,777	8,579
193.08	5,529	5,696	193.60	5,782	8,637
193.09	5,534	5,752	193.61	5,786	8,695
193.10	5,539	5,807	193.62	5,791	8,753
193.11	5,543	5,862	193.63	5,796	8,811
193.12	5,548	5,918	193.64	5,801	8,869
193.13	5,553	5,973	193.65	5,806	8,927
193.14	5,558	6,029	193.66	5,811	8,985
193.15	5,563	6,084	193.67	5,816	9,043
193.16	5,568	6,140	193.68	5,820	9,101
193.17	5,573	6,196	193.69	5,825	9,159
193.18	5,577	6,252	193.70	5,830	9,218
193.19	5,582	6,307	193.71	5,835	9,276
193.20	5,587	6,363	193.72	5,840	9,334
193.21	5,592	6,419	193.73	5,845	9,393
193.22	5,597	6,475	193.74	5,850	9,451
193.23	5,602	6,531	193.75	5,855	9,510
193.24	5,607	6,587	193.76	5,859	9,568
193.25	5,612	6,643	193.77	5,864	9,627
193.26	5,616	6,699	193.78	5,869	9,686
193.27	5,621	6,756	193.79	5,874	9,744
193.28	5,626	6,812	193.80	5,879	9,803
193.29	5,631	6,868	193.81	5,884	9,862
193.30	5,636	6,924	193.82	5,889	9,921
193.31	5,641	6,981	193.83	5,893	9,980
193.32	5,646	7,037	193.84	5,898	10,039
193.33	5,650	7,094	193.85	5,903	10,098
193.34	5,655	7,150	193.86	5,908	10,157
193.35	5,660	7,207	193.87	5,913	10,216
193.36	5,665	7,263	193.88	5,918	10,275
193.37	5,670	7,320	193.89	5,923	10,334
193.38	5,675	7,377	193.90	5,927	10,393
193.39	5,680	7,434	193.91	5,932	10,453
193.40	5,684	7,490	193.92	5,937	10,512
193.41	5,689	7,547	193.93	5,942	10,571
193.42	5,694	7,604	193.94	5,947	10,631
193.43	5,699	7,661	193.95	5,952	10,690
193.44	5,704	7,718	193.96	5,957	10,750
193.45	5,709	7,775	193.97	5,961	10,809
193.46	5,714	7,832	193.98	5,966	10,869
193.47	5,718	7,889	193.99	5,971	10,929
193.48	5,723	7,947	194.00	5,976	10,989
193.49	5,728	8,004	194.01	5,981	11,048
193.50	5,733	8,061	194.02	5,986	11,108
193.51	5,738	8,119	194.03	5,991	11,168
193.52	5,743	8,176	194.04	5,996	11,228
193.53	5,748	8,233	194.05	6,001	11,288
193.54	5,752	8,291	194.06	6,006	11,348
193.55	5,757	8,349	194.07	6,011	11,408

Stage-Area-Storage for Pond B-56: Basin #56 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
194.08	6,016	11,468	194.60	6,277	14,664
194.09	6,021	11,528	194.61	6,282	14,727
194.10	6,026	11,589	194.62	6,287	14,790
194.11	6,031	11,649	194.63	6,292	14,853
194.12	6,036	11,709	194.64	6,297	14,916
194.13	6,041	11,770	194.65	6,302	14,979
194.14	6,046	11,830	194.66	6,307	15,042
194.15	6,051	11,891	194.67	6,312	15,105
194.16	6,056	11,951	194.68	6,317	15,168
194.17	6,061	12,012	194.69	6,322	15,231
194.18	6,066	12,072	194.70	6,327	15,295
194.19	6,071	12,133	194.71	6,332	15,358
194.20	6,076	12,194	194.72	6,337	15,421
194.21	6,081	12,255	194.73	6,342	15,485
194.22	6,086	12,315	194.74	6,347	15,548
194.23	6,091	12,376	194.75	6,353	15,612
194.24	6,096	12,437	194.76	6,358	15,675
194.25	6,102	12,498	194.77	6,363	15,739
194.26	6,107	12,559	194.78	6,368	15,802
194.27	6,112	12,620	194.79	6,373	15,866
194.28	6,117	12,681	194.80	6,378	15,930
194.29	6,122	12,743	194.81	6,383	15,994
194.30	6,127	12,804	194.82	6,388	16,058
194.31	6,132	12,865	194.83	6,393	16,121
194.32	6,137	12,927	194.84	6,398	16,185
194.33	6,142	12,988	194.85	6,403	16,249
194.34	6,147	13,049	194.86	6,408	16,313
194.35	6,152	13,111	194.87	6,413	16,378
194.36	6,157	13,172	194.88	6,418	16,442
194.37	6,162	13,234	194.89	6,423	16,506
194.38	6,167	13,296	194.90	6,428	16,570
194.39	6,172	13,357	194.91	6,433	16,635
194.40	6,177	13,419	194.92	6,438	16,699
194.41	6,182	13,481	194.93	6,443	16,763
194.42	6,187	13,543	194.94	6,448	16,828
194.43	6,192	13,605	194.95	6,453	16,892
194.44	6,197	13,667	194.96	6,458	16,957
194.45	6,202	13,729	194.97	6,463	17,021
194.46	6,207	13,791	194.98	6,468	17,086
194.47	6,212	13,853	194.99	6,473	17,151
194.48	6,217	13,915	195.00	6,478	17,216
194.49	6,222	13,977	195.01	6,483	17,280
194.50	6,227	14,039	195.02	6,488	17,345
194.51	6,232	14,102	195.03	6,494	17,410
194.52	6,237	14,164	195.04	6,499	17,475
194.53	6,242	14,226	195.05	6,504	17,540
194.54	6,247	14,289	195.06	6,509	17,605
194.55	6,252	14,351	195.07	6,514	17,670
194.56	6,257	14,414	195.08	6,519	17,735
194.57	6,262	14,476	195.09	6,525	17,801
194.58	6,267	14,539	195.10	6,530	17,866
194.59	6,272	14,602	195.11	6,535	17,931

Stage-Area-Storage for Pond B-56: Basin #56 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
195.12	6,540	17,997
195.13	6,545	18,062
195.14	6,550	18,127
195.15	6,556	18,193
195.16	6,561	18,259
195.17	6,566	18,324
195.18	6,571	18,390
195.19	6,576	18,456
195.20	6,581	18,521
195.21	6,587	18,587
195.22	6,592	18,653
195.23	6,597	18,719
195.24	6,602	18,785
195.25	6,607	18,851
195.26	6,612	18,917
195.27	6,618	18,983
195.28	6,623	19,050
195.29	6,628	19,116
195.30	6,633	19,182
195.31	6,638	19,249
195.32	6,643	19,315
195.33	6,649	19,381
195.34	6,654	19,448
195.35	6,659	19,514
195.36	6,664	19,581
195.37	6,669	19,648
195.38	6,674	19,714
195.39	6,680	19,781
195.40	6,685	19,848
195.41	6,690	19,915
195.42	6,695	19,982
195.43	6,700	20,049
195.44	6,705	20,116
195.45	6,711	20,183
195.46	6,716	20,250
195.47	6,721	20,317
195.48	6,726	20,384
195.49	6,731	20,452
195.50	6,737	20,519
195.51	6,742	20,587
195.52	6,747	20,654
195.53	6,752	20,721
195.54	6,757	20,789
195.55	6,762	20,857
195.56	6,768	20,924
195.57	6,773	20,992
195.58	6,778	21,060
195.59	6,783	21,128
195.60	6,788	21,195
195.61	6,793	21,263
195.62	6,799	21,331
195.63	6,804	21,399
195.64	6,809	21,467
195.65	6,814	21,535
195.66	6,819	21,604
195.67	6,824	21,672
195.68	6,830	21,740
195.69	6,835	21,808
195.70	6,840	21,877
195.71	6,845	21,945
195.72	6,850	22,014
195.73	6,855	22,082
195.74	6,861	22,151
195.75	6,866	22,219
195.76	6,871	22,288
195.77	6,876	22,357
195.78	6,881	22,426
195.79	6,886	22,494
195.80	6,892	22,563
195.81	6,897	22,632
195.82	6,902	22,701
195.83	6,907	22,770
195.84	6,912	22,839
195.85	6,917	22,909
195.86	6,923	22,978
195.87	6,928	23,047
195.88	6,933	23,116
195.89	6,938	23,186
195.90	6,943	23,255
195.91	6,948	23,325
195.92	6,954	23,394
195.93	6,959	23,464
195.94	6,964	23,533
195.95	6,969	23,603
195.96	6,974	23,673
195.97	6,979	23,742
195.98	6,985	23,812
195.99	6,990	23,882
196.00	**6,995**	**23,952**

Summary for Pond B-57: Basin #57

Inflow Area = 1.434 ac, 47.56% Impervious, Inflow Depth = 3.57" for Current 10 yr event
Inflow = 5.79 cfs @ 12.10 hrs, Volume= 0.426 af
Outflow = 3.66 cfs @ 12.20 hrs, Volume= 0.345 af, Atten= 37%, Lag= 5.8 min
Primary = 3.66 cfs @ 12.20 hrs, Volume= 0.345 af
Routed to Pond B-58 : Basin #58

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 203.72' @ 12.20 hrs Surf.Area= 4,882 sf Storage= 7,610 cf

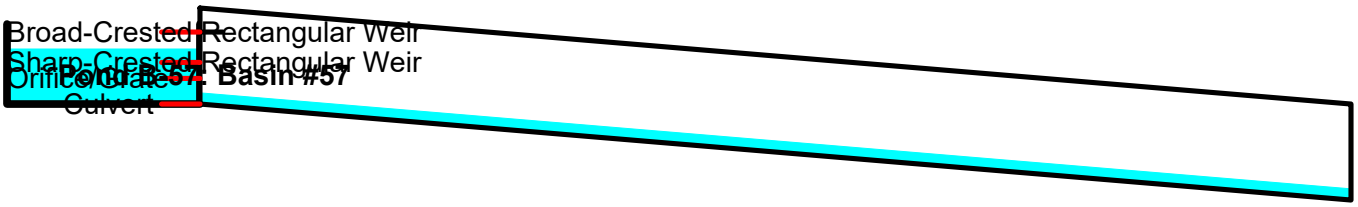
Plug-Flow detention time= 273.6 min calculated for 0.345 af (81% of inflow)
Center-of-Mass det. time= 193.2 min (973.1 - 779.9)

Volume	Invert	Avail.Storage	Storage Description
#1	202.00'	11,650 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

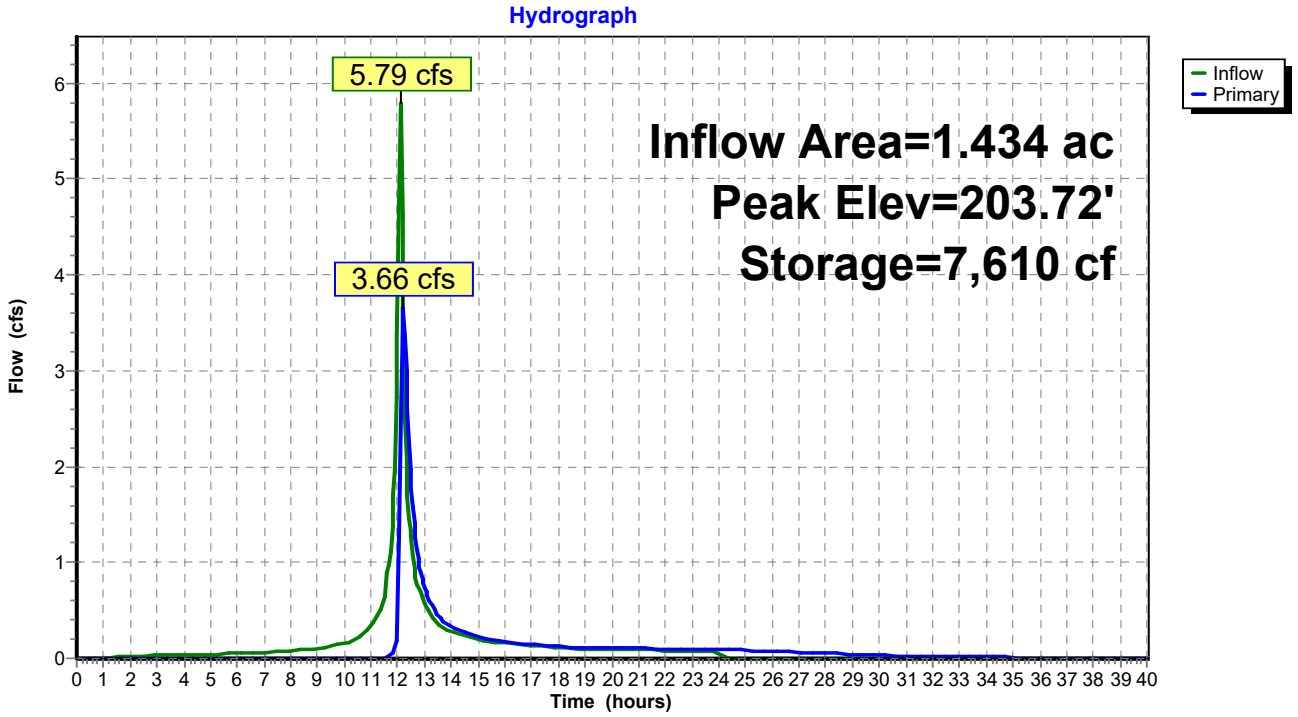
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
202.00	3,969	0	0
203.00	4,488	4,229	4,229
204.00	5,034	4,761	8,990
204.50	5,608	2,661	11,650

Device	Routing	Invert	Outlet Devices
#1	Primary	202.00'	**36.0" Round Culvert** L= 252.0' Ke= 0.500 Inlet / Outlet Invert= 202.00' / 199.00' S= 0.0119 '/' Cc= 0.900 n= 0.013, Flow Area= 7.07 sf
#2	Device 1	202.80'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	203.30'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	204.25'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=3.64 cfs @ 12.20 hrs HW=203.72' (Free Discharge)
- **1=Culvert** (Passes 3.64 cfs of 18.72 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.15 cfs @ 4.35 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 3.49 cfs @ 2.12 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-57: Basin #57



Hydrograph for Pond B-57: Basin #57

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	202.00	0.00
0.10	0.00	0	202.00	0.00
0.20	0.00	0	202.00	0.00
0.30	0.00	0	202.00	0.00
0.40	0.00	0	202.00	0.00
0.50	0.00	0	202.00	0.00
0.60	0.00	0	202.00	0.00
0.70	0.00	0	202.00	0.00
0.80	0.00	0	202.00	0.00
0.90	0.00	1	202.00	0.00
1.00	0.00	2	202.00	0.00
1.10	0.01	4	202.00	0.00
1.20	0.01	6	202.00	0.00
1.30	0.01	9	202.00	0.00
1.40	0.01	13	202.00	0.00
1.50	0.01	17	202.00	0.00
1.60	0.01	22	202.01	0.00
1.70	0.02	27	202.01	0.00
1.80	0.02	33	202.01	0.00
1.90	0.02	39	202.01	0.00
2.00	0.02	45	202.01	0.00
2.10	0.02	53	202.01	0.00
2.20	0.02	60	202.02	0.00
2.30	0.02	68	202.02	0.00
2.40	0.02	76	202.02	0.00
2.50	0.02	85	202.02	0.00
2.60	0.03	94	202.02	0.00
2.70	0.03	103	202.03	0.00
2.80	0.03	113	202.03	0.00
2.90	0.03	123	202.03	0.00
3.00	0.03	133	202.03	0.00
3.10	0.03	144	202.04	0.00
3.20	0.03	155	202.04	0.00
3.30	0.03	166	202.04	0.00
3.40	0.03	178	202.04	0.00
3.50	0.03	189	202.05	0.00
3.60	0.03	202	202.05	0.00
3.70	0.03	214	202.05	0.00
3.80	0.04	227	202.06	0.00
3.90	0.04	240	202.06	0.00
4.00	0.04	253	202.06	0.00
4.10	0.04	266	202.07	0.00
4.20	0.04	280	202.07	0.00
4.30	0.04	294	202.07	0.00
4.40	0.04	308	202.08	0.00
4.50	0.04	322	202.08	0.00
4.60	0.04	337	202.08	0.00
4.70	0.04	352	202.09	0.00
4.80	0.04	367	202.09	0.00
4.90	0.04	382	202.10	0.00
5.00	0.04	397	202.10	0.00
5.10	0.04	413	202.10	0.00

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.04	429	202.11	0.00
5.30	0.04	445	202.11	0.00
5.40	0.05	461	202.12	0.00
5.50	0.05	478	202.12	0.00
5.60	0.05	494	202.12	0.00
5.70	0.05	511	202.13	0.00
5.80	0.05	528	202.13	0.00
5.90	0.05	546	202.14	0.00
6.00	0.05	563	202.14	0.00
6.10	0.05	581	202.14	0.00
6.20	0.05	599	202.15	0.00
6.30	0.05	618	202.15	0.00
6.40	0.05	637	202.16	0.00
6.50	0.06	657	202.16	0.00
6.60	0.06	678	202.17	0.00
6.70	0.06	699	202.17	0.00
6.80	0.06	720	202.18	0.00
6.90	0.06	742	202.18	0.00
7.00	0.06	765	202.19	0.00
7.10	0.06	788	202.20	0.00
7.20	0.07	811	202.20	0.00
7.30	0.07	835	202.21	0.00
7.40	0.07	860	202.21	0.00
7.50	0.07	885	202.22	0.00
7.60	0.07	911	202.23	0.00
7.70	0.07	937	202.23	0.00
7.80	0.07	964	202.24	0.00
7.90	0.08	991	202.25	0.00
8.00	0.08	1,019	202.25	0.00
8.10	0.08	1,047	202.26	0.00
8.20	0.08	1,076	202.27	0.00
8.30	0.08	1,105	202.27	0.00
8.40	0.08	1,135	202.28	0.00
8.50	0.09	1,166	202.29	0.00
8.60	0.09	1,197	202.30	0.00
8.70	0.09	1,228	202.30	0.00
8.80	0.09	1,260	202.31	0.00
8.90	0.09	1,293	202.32	0.00
9.00	0.09	1,326	202.33	0.00
9.10	0.10	1,361	202.34	0.00
9.20	0.11	1,399	202.34	0.00
9.30	0.11	1,438	202.35	0.00
9.40	0.12	1,480	202.36	0.00
9.50	0.13	1,524	202.37	0.00
9.60	0.13	1,571	202.39	0.00
9.70	0.14	1,620	202.40	0.00
9.80	0.15	1,671	202.41	0.00
9.90	0.15	1,725	202.42	0.00
10.00	0.16	1,782	202.44	0.00
10.10	0.17	1,842	202.45	0.00
10.20	0.18	1,904	202.47	0.00
10.30	0.18	1,969	202.48	0.00

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.19	2,037	202.50	0.00
10.50	0.20	2,108	202.51	0.00
10.60	0.22	2,185	202.53	0.00
10.70	0.25	2,271	202.55	0.00
10.80	0.28	2,366	202.57	0.00
10.90	0.31	2,472	202.60	0.00
11.00	0.33	2,587	202.63	0.00
11.10	0.38	2,717	202.66	0.00
11.20	0.44	2,865	202.69	0.00
11.30	0.49	3,032	202.73	0.00
11.40	0.55	3,220	202.77	0.00
11.50	0.60	3,426	202.82	0.00
11.60	0.89	3,697	202.88	0.01
11.70	1.02	4,034	202.96	0.04
11.80	1.37	4,449	203.05	0.06
11.90	1.96	5,027	203.18	0.09
12.00	3.38	5,939	203.37	0.37
12.10	**5.79**	7,132	203.62	2.51
12.20	3.34	**7,609**	**203.72**	**3.65**
12.30	2.06	7,341	203.67	2.99
12.40	1.46	7,021	203.60	2.26
12.50	1.27	6,789	203.55	1.77
12.60	0.92	6,610	203.51	1.42
12.70	0.79	6,457	203.48	1.14
12.80	0.71	6,351	203.46	0.96
12.90	0.65	6,274	203.44	0.83
13.00	0.58	6,213	203.43	0.74
13.10	0.52	6,159	203.42	0.66
13.20	0.47	6,113	203.41	0.59
13.30	0.44	6,073	203.40	0.54
13.40	0.40	6,038	203.39	0.49
13.50	0.37	6,006	203.39	0.45
13.60	0.33	5,976	203.38	0.41
13.70	0.31	5,949	203.37	0.38
13.80	0.30	5,927	203.37	0.36
13.90	0.29	5,909	203.37	0.34
14.00	0.29	5,895	203.36	0.32
14.10	0.28	5,882	203.36	0.31
14.20	0.27	5,870	203.36	0.30
14.30	0.26	5,860	203.36	0.29
14.40	0.25	5,850	203.35	0.27
14.50	0.24	5,841	203.35	0.26
14.60	0.23	5,832	203.35	0.25
14.70	0.22	5,822	203.35	0.25
14.80	0.21	5,812	203.35	0.24
14.90	0.20	5,802	203.34	0.23
15.00	0.19	5,791	203.34	0.22
15.10	0.18	5,780	203.34	0.21
15.20	0.18	5,769	203.34	0.20
15.30	0.17	5,761	203.33	0.20
15.40	0.17	5,753	203.33	0.19
15.50	0.17	5,747	203.33	0.19

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.17	5,741	203.33	0.18
15.70	0.17	5,737	203.33	0.18
15.80	0.16	5,732	203.33	0.17
15.90	0.16	5,728	203.33	0.17
16.00	0.16	5,724	203.33	0.17
16.10	0.16	5,720	203.33	0.17
16.20	0.15	5,717	203.33	0.16
16.30	0.15	5,714	203.32	0.16
16.40	0.15	5,710	203.32	0.16
16.50	0.15	5,707	203.32	0.15
16.60	0.14	5,704	203.32	0.15
16.70	0.14	5,701	203.32	0.15
16.80	0.14	5,697	203.32	0.15
16.90	0.14	5,694	203.32	0.14
17.00	0.13	5,691	203.32	0.14
17.10	0.13	5,688	203.32	0.14
17.20	0.13	5,684	203.32	0.14
17.30	0.13	5,680	203.32	0.14
17.40	0.12	5,675	203.32	0.14
17.50	0.12	5,670	203.32	0.13
17.60	0.12	5,666	203.31	0.13
17.70	0.12	5,661	203.31	0.13
17.80	0.11	5,656	203.31	0.13
17.90	0.11	5,650	203.31	0.12
18.00	0.11	5,645	203.31	0.12
18.10	0.11	5,640	203.31	0.12
18.20	0.10	5,634	203.31	0.12
18.30	0.10	5,629	203.31	0.12
18.40	0.10	5,625	203.31	0.11
18.50	0.10	5,621	203.30	0.11
18.60	0.10	5,617	203.30	0.11
18.70	0.10	5,614	203.30	0.11
18.80	0.10	5,611	203.30	0.11
18.90	0.10	5,608	203.30	0.11
19.00	0.10	5,606	203.30	0.11
19.10	0.10	5,603	203.30	0.10
19.20	0.10	5,601	203.30	0.10
19.30	0.10	5,599	203.30	0.10
19.40	0.10	5,596	203.30	0.10
19.50	0.10	5,594	203.30	0.10
19.60	0.10	5,591	203.30	0.10
19.70	0.09	5,588	203.30	0.10
19.80	0.09	5,585	203.30	0.10
19.90	0.09	5,582	203.30	0.10
20.00	0.09	5,578	203.30	0.10
20.10	0.09	5,575	203.29	0.10
20.20	0.09	5,571	203.29	0.10
20.30	0.09	5,567	203.29	0.10
20.40	0.09	5,562	203.29	0.10
20.50	0.09	5,558	203.29	0.10
20.60	0.09	5,553	203.29	0.10
20.70	0.09	5,549	203.29	0.10

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.09	5,544	203.29	0.10
20.90	0.09	5,539	203.29	0.10
21.00	0.09	5,533	203.29	0.10
21.10	0.09	5,528	203.28	0.10
21.20	0.09	5,522	203.28	0.10
21.30	0.08	5,516	203.28	0.10
21.40	0.08	5,510	203.28	0.10
21.50	0.08	5,504	203.28	0.10
21.60	0.08	5,498	203.28	0.10
21.70	0.08	5,491	203.28	0.10
21.80	0.08	5,485	203.28	0.10
21.90	0.08	5,478	203.27	0.10
22.00	0.08	5,471	203.27	0.10
22.10	0.08	5,464	203.27	0.10
22.20	0.08	5,457	203.27	0.10
22.30	0.08	5,449	203.27	0.10
22.40	0.08	5,442	203.27	0.10
22.50	0.08	5,434	203.26	0.10
22.60	0.08	5,426	203.26	0.10
22.70	0.08	5,418	203.26	0.10
22.80	0.07	5,410	203.26	0.10
22.90	0.07	5,402	203.26	0.10
23.00	0.07	5,393	203.26	0.10
23.10	0.07	5,385	203.25	0.10
23.20	0.07	5,376	203.25	0.10
23.30	0.07	5,367	203.25	0.10
23.40	0.07	5,358	203.25	0.10
23.50	0.07	5,349	203.25	0.10
23.60	0.07	5,340	203.24	0.10
23.70	0.07	5,331	203.24	0.10
23.80	0.07	5,321	203.24	0.10
23.90	0.07	5,312	203.24	0.09
24.00	0.08	5,304	203.24	0.09
24.10	0.02	5,288	203.23	0.09
24.20	0.00	5,259	203.23	0.09
24.30	0.00	5,226	203.22	0.09
24.40	0.00	5,193	203.21	0.09
24.50	0.00	5,161	203.21	0.09
24.60	0.00	5,128	203.20	0.09
24.70	0.00	5,097	203.19	0.09
24.80	0.00	5,065	203.18	0.09
24.90	0.00	5,034	203.18	0.09
25.00	0.00	5,003	203.17	0.08
25.10	0.00	4,973	203.16	0.08
25.20	0.00	4,943	203.16	0.08
25.30	0.00	4,914	203.15	0.08
25.40	0.00	4,884	203.14	0.08
25.50	0.00	4,856	203.14	0.08
25.60	0.00	4,827	203.13	0.08
25.70	0.00	4,799	203.13	0.08
25.80	0.00	4,772	203.12	0.08
25.90	0.00	4,744	203.11	0.08

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	4,717	203.11	0.07
26.10	0.00	4,691	203.10	0.07
26.20	0.00	4,665	203.10	0.07
26.30	0.00	4,639	203.09	0.07
26.40	0.00	4,614	203.09	0.07
26.50	0.00	4,589	203.08	0.07
26.60	0.00	4,564	203.07	0.07
26.70	0.00	4,540	203.07	0.07
26.80	0.00	4,516	203.06	0.07
26.90	0.00	4,493	203.06	0.06
27.00	0.00	4,470	203.05	0.06
27.10	0.00	4,447	203.05	0.06
27.20	0.00	4,425	203.04	0.06
27.30	0.00	4,403	203.04	0.06
27.40	0.00	4,382	203.03	0.06
27.50	0.00	4,361	203.03	0.06
27.60	0.00	4,340	203.02	0.06
27.70	0.00	4,320	203.02	0.06
27.80	0.00	4,300	203.02	0.05
27.90	0.00	4,280	203.01	0.05
28.00	0.00	4,261	203.01	0.05
28.10	0.00	4,242	203.00	0.05
28.20	0.00	4,223	203.00	0.05
28.30	0.00	4,205	202.99	0.05
28.40	0.00	4,188	202.99	0.05
28.50	0.00	4,170	202.99	0.05
28.60	0.00	4,154	202.98	0.05
28.70	0.00	4,137	202.98	0.04
28.80	0.00	4,121	202.98	0.04
28.90	0.00	4,106	202.97	0.04
29.00	0.00	4,091	202.97	0.04
29.10	0.00	4,076	202.97	0.04
29.20	0.00	4,062	202.96	0.04
29.30	0.00	4,048	202.96	0.04
29.40	0.00	4,034	202.96	0.04
29.50	0.00	4,021	202.95	0.04
29.60	0.00	4,008	202.95	0.03
29.70	0.00	3,996	202.95	0.03
29.80	0.00	3,984	202.95	0.03
29.90	0.00	3,972	202.94	0.03
30.00	0.00	3,961	202.94	0.03
30.10	0.00	3,950	202.94	0.03
30.20	0.00	3,939	202.94	0.03
30.30	0.00	3,929	202.93	0.03
30.40	0.00	3,918	202.93	0.03
30.50	0.00	3,909	202.93	0.03
30.60	0.00	3,899	202.93	0.03
30.70	0.00	3,890	202.92	0.03
30.80	0.00	3,881	202.92	0.02
30.90	0.00	3,872	202.92	0.02
31.00	0.00	3,863	202.92	0.02
31.10	0.00	3,855	202.92	0.02

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	3,847	202.91	0.02
31.30	0.00	3,839	202.91	0.02
31.40	0.00	3,831	202.91	0.02
31.50	0.00	3,824	202.91	0.02
31.60	0.00	3,816	202.91	0.02
31.70	0.00	3,809	202.91	0.02
31.80	0.00	3,802	202.90	0.02
31.90	0.00	3,796	202.90	0.02
32.00	0.00	3,789	202.90	0.02
32.10	0.00	3,783	202.90	0.02
32.20	0.00	3,777	202.90	0.02
32.30	0.00	3,770	202.90	0.02
32.40	0.00	3,765	202.90	0.02
32.50	0.00	3,759	202.89	0.02
32.60	0.00	3,753	202.89	0.02
32.70	0.00	3,748	202.89	0.02
32.80	0.00	3,742	202.89	0.01
32.90	0.00	3,737	202.89	0.01
33.00	0.00	3,732	202.89	0.01
33.10	0.00	3,727	202.89	0.01
33.20	0.00	3,722	202.89	0.01
33.30	0.00	3,717	202.89	0.01
33.40	0.00	3,712	202.88	0.01
33.50	0.00	3,707	202.88	0.01
33.60	0.00	3,703	202.88	0.01
33.70	0.00	3,698	202.88	0.01
33.80	0.00	3,694	202.88	0.01
33.90	0.00	3,690	202.88	0.01
34.00	0.00	3,686	202.88	0.01
34.10	0.00	3,682	202.88	0.01
34.20	0.00	3,678	202.88	0.01
34.30	0.00	3,674	202.88	0.01
34.40	0.00	3,670	202.87	0.01
34.50	0.00	3,666	202.87	0.01
34.60	0.00	3,663	202.87	0.01
34.70	0.00	3,659	202.87	0.01
34.80	0.00	3,656	202.87	0.01
34.90	0.00	3,653	202.87	0.01
35.00	0.00	3,649	202.87	0.01
35.10	0.00	3,646	202.87	0.01
35.20	0.00	3,643	202.87	0.01
35.30	0.00	3,640	202.87	0.01
35.40	0.00	3,637	202.87	0.01
35.50	0.00	3,634	202.87	0.01
35.60	0.00	3,631	202.87	0.01
35.70	0.00	3,628	202.87	0.01
35.80	0.00	3,625	202.86	0.01
35.90	0.00	3,622	202.86	0.01
36.00	0.00	3,619	202.86	0.01
36.10	0.00	3,616	202.86	0.01
36.20	0.00	3,614	202.86	0.01
36.30	0.00	3,611	202.86	0.01

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	3,608	202.86	0.01
36.50	0.00	3,606	202.86	0.01
36.60	0.00	3,603	202.86	0.01
36.70	0.00	3,601	202.86	0.01
36.80	0.00	3,598	202.86	0.01
36.90	0.00	3,596	202.86	0.01
37.00	0.00	3,594	202.86	0.01
37.10	0.00	3,591	202.86	0.01
37.20	0.00	3,589	202.86	0.01
37.30	0.00	3,587	202.86	0.01
37.40	0.00	3,584	202.86	0.01
37.50	0.00	3,582	202.85	0.01
37.60	0.00	3,580	202.85	0.01
37.70	0.00	3,578	202.85	0.01
37.80	0.00	3,576	202.85	0.01
37.90	0.00	3,574	202.85	0.01
38.00	0.00	3,572	202.85	0.01
38.10	0.00	3,570	202.85	0.01
38.20	0.00	3,568	202.85	0.01
38.30	0.00	3,566	202.85	0.01
38.40	0.00	3,564	202.85	0.01
38.50	0.00	3,562	202.85	0.01
38.60	0.00	3,560	202.85	0.01
38.70	0.00	3,559	202.85	0.00
38.80	0.00	3,557	202.85	0.00
38.90	0.00	3,555	202.85	0.00
39.00	0.00	3,553	202.85	0.00
39.10	0.00	3,552	202.85	0.00
39.20	0.00	3,550	202.85	0.00
39.30	0.00	3,548	202.85	0.00
39.40	0.00	3,547	202.85	0.00
39.50	0.00	3,545	202.85	0.00
39.60	0.00	3,544	202.85	0.00
39.70	0.00	3,542	202.85	0.00
39.80	0.00	3,540	202.85	0.00
39.90	0.00	3,539	202.84	0.00
40.00	0.00	3,537	202.84	0.00

Stage-Discharge for Pond B-57: Basin #57

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
202.00	0.00	202.52	0.00	203.04	0.06	203.56	1.84
202.01	0.00	202.53	0.00	203.05	0.06	203.57	1.94
202.02	0.00	202.54	0.00	203.06	0.06	203.58	2.05
202.03	0.00	202.55	0.00	203.07	0.07	203.59	2.15
202.04	0.00	202.56	0.00	203.08	0.07	203.60	2.25
202.05	0.00	202.57	0.00	203.09	0.07	203.61	2.36
202.06	0.00	202.58	0.00	203.10	0.07	203.62	2.47
202.07	0.00	202.59	0.00	203.11	0.07	203.63	2.58
202.08	0.00	202.60	0.00	203.12	0.08	203.64	2.69
202.09	0.00	202.61	0.00	203.13	0.08	203.65	2.80
202.10	0.00	202.62	0.00	203.14	0.08	203.66	2.92
202.11	0.00	202.63	0.00	203.15	0.08	203.67	3.03
202.12	0.00	202.64	0.00	203.16	0.08	203.68	3.15
202.13	0.00	202.65	0.00	203.17	0.08	203.69	3.27
202.14	0.00	202.66	0.00	203.18	0.09	203.70	3.39
202.15	0.00	202.67	0.00	203.19	0.09	203.71	3.51
202.16	0.00	202.68	0.00	203.20	0.09	203.72	3.63
202.17	0.00	202.69	0.00	203.21	0.09	203.73	3.76
202.18	0.00	202.70	0.00	203.22	0.09	203.74	3.88
202.19	0.00	202.71	0.00	203.23	0.09	203.75	4.01
202.20	0.00	202.72	0.00	203.24	0.10	203.76	4.14
202.21	0.00	202.73	0.00	203.25	0.10	203.77	4.27
202.22	0.00	202.74	0.00	203.26	0.10	203.78	4.40
202.23	0.00	202.75	0.00	203.27	0.10	203.79	4.53
202.24	0.00	202.76	0.00	203.28	0.10	203.80	4.66
202.25	0.00	202.77	0.00	203.29	0.10	203.81	4.80
202.26	0.00	202.78	0.00	203.30	0.10	203.82	4.93
202.27	0.00	202.79	0.00	203.31	0.12	203.83	5.07
202.28	0.00	202.80	0.00	203.32	0.14	203.84	5.21
202.29	0.00	202.81	0.00	203.33	0.17	203.85	5.35
202.30	0.00	202.82	0.00	203.34	0.21	203.86	5.49
202.31	0.00	202.83	0.00	203.35	0.26	203.87	5.63
202.32	0.00	202.84	0.00	203.36	0.30	203.88	5.77
202.33	0.00	202.85	0.00	203.37	0.35	203.89	5.92
202.34	0.00	202.86	0.01	203.38	0.41	203.90	6.06
202.35	0.00	202.87	0.01	203.39	0.47	203.91	6.21
202.36	0.00	202.88	0.01	203.40	0.53	203.92	6.35
202.37	0.00	202.89	0.01	203.41	0.59	203.93	6.50
202.38	0.00	202.90	0.02	203.42	0.66	203.94	6.65
202.39	0.00	202.91	0.02	203.43	0.73	203.95	6.80
202.40	0.00	202.92	0.02	203.44	0.80	203.96	6.95
202.41	0.00	202.93	0.03	203.45	0.88	203.97	7.10
202.42	0.00	202.94	0.03	203.46	0.95	203.98	7.26
202.43	0.00	202.95	0.03	203.47	1.03	203.99	7.41
202.44	0.00	202.96	0.04	203.48	1.11	204.00	7.56
202.45	0.00	202.97	0.04	203.49	1.20	204.01	7.72
202.46	0.00	202.98	0.05	203.50	1.28	204.02	7.88
202.47	0.00	202.99	0.05	203.51	1.37	204.03	8.03
202.48	0.00	203.00	0.05	203.52	1.46	204.04	8.19
202.49	0.00	203.01	0.05	203.53	1.56	204.05	8.35
202.50	0.00	203.02	0.06	203.54	1.65	204.06	8.51
202.51	0.00	203.03	0.06	203.55	1.75	204.07	8.67

Stage-Discharge for Pond B-57: Basin #57 (continued)

Elevation (feet)	Primary (cfs)
204.08	8.84
204.09	9.00
204.10	9.16
204.11	9.33
204.12	9.50
204.13	9.66
204.14	9.83
204.15	10.00
204.16	10.17
204.17	10.34
204.18	10.51
204.19	10.68
204.20	10.85
204.21	11.03
204.22	11.20
204.23	11.37
204.24	11.55
204.25	11.73
204.26	12.02
204.27	12.41
204.28	12.87
204.29	13.38
204.30	13.93
204.31	14.53
204.32	15.16
204.33	15.82
204.34	16.52
204.35	17.25
204.36	18.01
204.37	18.79
204.38	19.61
204.39	20.44
204.40	21.31
204.41	22.19
204.42	23.11
204.43	24.04
204.44	24.99
204.45	25.97
204.46	27.01
204.47	28.07
204.48	29.16
204.49	30.28
204.50	31.42
204.51	32.59
204.52	33.78
204.53	35.00
204.54	36.25
204.55	37.52
204.56	38.81
204.57	40.13
204.58	41.47
204.59	42.84
204.60	44.24
204.61	45.66
204.62	47.10
204.63	48.57
204.64	50.06
204.65	51.58
204.66	53.15
204.67	54.74
204.68	56.37
204.69	58.01
204.70	59.69
204.71	61.39
204.72	63.12
204.73	64.88
204.74	66.66
204.75	68.47
204.76	70.31
204.77	72.17
204.78	74.06
204.79	75.98
204.80	77.93
204.81	79.90
204.82	81.90
204.83	83.93
204.84	85.98
204.85	88.06
204.86	89.90
204.87	91.76
204.88	93.63
204.89	95.51
204.90	97.40
204.91	99.31
204.92	101.24
204.93	103.17
204.94	105.12
204.95	107.09
204.96	109.07
204.97	111.06
204.98	113.06
204.99	115.07
205.00	**117.10**

Stage-Area-Storage for Pond B-57: Basin #57

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
202.00	3,969	0	202.52	4,239	2,134
202.01	3,974	40	202.53	4,244	2,176
202.02	3,979	79	202.54	4,249	2,219
202.03	3,985	119	202.55	4,254	2,261
202.04	3,990	159	202.56	4,260	2,304
202.05	3,995	199	202.57	4,265	2,347
202.06	4,000	239	202.58	4,270	2,389
202.07	4,005	279	202.59	4,275	2,432
202.08	4,011	319	202.60	4,280	2,475
202.09	4,016	359	202.61	4,286	2,518
202.10	4,021	399	202.62	4,291	2,561
202.11	4,026	440	202.63	4,296	2,603
202.12	4,031	480	202.64	4,301	2,646
202.13	4,036	520	202.65	4,306	2,689
202.14	4,042	561	202.66	4,312	2,733
202.15	4,047	601	202.67	4,317	2,776
202.16	4,052	642	202.68	4,322	2,819
202.17	4,057	682	202.69	4,327	2,862
202.18	4,062	723	202.70	4,332	2,905
202.19	4,068	763	202.71	4,337	2,949
202.20	4,073	804	202.72	4,343	2,992
202.21	4,078	845	202.73	4,348	3,036
202.22	4,083	886	202.74	4,353	3,079
202.23	4,088	927	202.75	4,358	3,123
202.24	4,094	968	202.76	4,363	3,166
202.25	4,099	1,008	202.77	4,369	3,210
202.26	4,104	1,049	202.78	4,374	3,254
202.27	4,109	1,091	202.79	4,379	3,297
202.28	4,114	1,132	202.80	4,384	3,341
202.29	4,120	1,173	202.81	4,389	3,385
202.30	4,125	1,214	202.82	4,395	3,429
202.31	4,130	1,255	202.83	4,400	3,473
202.32	4,135	1,297	202.84	4,405	3,517
202.33	4,140	1,338	202.85	4,410	3,561
202.34	4,145	1,379	202.86	4,415	3,605
202.35	4,151	1,421	202.87	4,421	3,649
202.36	4,156	1,462	202.88	4,426	3,694
202.37	4,161	1,504	202.89	4,431	3,738
202.38	4,166	1,546	202.90	4,436	3,782
202.39	4,171	1,587	202.91	4,441	3,827
202.40	4,177	1,629	202.92	4,446	3,871
202.41	4,182	1,671	202.93	4,452	3,916
202.42	4,187	1,713	202.94	4,457	3,960
202.43	4,192	1,755	202.95	4,462	4,005
202.44	4,197	1,797	202.96	4,467	4,049
202.45	4,203	1,839	202.97	4,472	4,094
202.46	4,208	1,881	202.98	4,478	4,139
202.47	4,213	1,923	202.99	4,483	4,184
202.48	4,218	1,965	203.00	4,488	4,229
202.49	4,223	2,007	203.01	4,493	4,273
202.50	4,229	2,049	203.02	4,499	4,318
202.51	4,234	2,092	203.03	4,504	4,363

Stage-Area-Storage for Pond B-57: Basin #57 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
203.04	4,510	4,408	203.56	4,794	6,827
203.05	4,515	4,454	203.57	4,799	6,875
203.06	4,521	4,499	203.58	4,805	6,923
203.07	4,526	4,544	203.59	4,810	6,971
203.08	4,532	4,589	203.60	4,816	7,020
203.09	4,537	4,635	203.61	4,821	7,068
203.10	4,543	4,680	203.62	4,827	7,116
203.11	4,548	4,725	203.63	4,832	7,164
203.12	4,554	4,771	203.64	4,837	7,213
203.13	4,559	4,817	203.65	4,843	7,261
203.14	4,564	4,862	203.66	4,848	7,309
203.15	4,570	4,908	203.67	4,854	7,358
203.16	4,575	4,954	203.68	4,859	7,407
203.17	4,581	4,999	203.69	4,865	7,455
203.18	4,586	5,045	203.70	4,870	7,504
203.19	4,592	5,091	203.71	4,876	7,553
203.20	4,597	5,137	203.72	4,881	7,601
203.21	4,603	5,183	203.73	4,887	7,650
203.22	4,608	5,229	203.74	4,892	7,699
203.23	4,614	5,275	203.75	4,898	7,748
203.24	4,619	5,321	203.76	4,903	7,797
203.25	4,625	5,368	203.77	4,908	7,846
203.26	4,630	5,414	203.78	4,914	7,895
203.27	4,635	5,460	203.79	4,919	7,944
203.28	4,641	5,507	203.80	4,925	7,994
203.29	4,646	5,553	203.81	4,930	8,043
203.30	4,652	5,599	203.82	4,936	8,092
203.31	4,657	5,646	203.83	4,941	8,142
203.32	4,663	5,693	203.84	4,947	8,191
203.33	4,668	5,739	203.85	4,952	8,241
203.34	4,674	5,786	203.86	4,958	8,290
203.35	4,679	5,833	203.87	4,963	8,340
203.36	4,685	5,880	203.88	4,968	8,389
203.37	4,690	5,926	203.89	4,974	8,439
203.38	4,695	5,973	203.90	4,979	8,489
203.39	4,701	6,020	203.91	4,985	8,539
203.40	4,706	6,067	203.92	4,990	8,589
203.41	4,712	6,114	203.93	4,996	8,638
203.42	4,717	6,162	203.94	5,001	8,688
203.43	4,723	6,209	203.95	5,007	8,738
203.44	4,728	6,256	203.96	5,012	8,789
203.45	4,734	6,303	203.97	5,018	8,839
203.46	4,739	6,351	203.98	5,023	8,889
203.47	4,745	6,398	203.99	5,029	8,939
203.48	4,750	6,446	204.00	5,034	8,990
203.49	4,756	6,493	204.01	5,045	9,040
203.50	4,761	6,541	204.02	5,057	9,090
203.51	4,766	6,588	204.03	5,068	9,141
203.52	4,772	6,636	204.04	5,080	9,192
203.53	4,777	6,684	204.05	5,091	9,243
203.54	4,783	6,732	204.06	5,103	9,294
203.55	4,788	6,779	204.07	5,114	9,345

Stage-Area-Storage for Pond B-57: Basin #57 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
204.08	5,126	9,396
204.09	5,137	9,447
204.10	5,149	9,499
204.11	5,160	9,550
204.12	5,172	9,602
204.13	5,183	9,654
204.14	5,195	9,706
204.15	5,206	9,758
204.16	5,218	9,810
204.17	5,229	9,862
204.18	5,241	9,914
204.19	5,252	9,967
204.20	5,264	10,019
204.21	5,275	10,072
204.22	5,287	10,125
204.23	5,298	10,178
204.24	5,310	10,231
204.25	5,321	10,284
204.26	5,332	10,337
204.27	5,344	10,391
204.28	5,355	10,444
204.29	5,367	10,498
204.30	5,378	10,551
204.31	5,390	10,605
204.32	5,401	10,659
204.33	5,413	10,713
204.34	5,424	10,767
204.35	5,436	10,822
204.36	5,447	10,876
204.37	5,459	10,931
204.38	5,470	10,985
204.39	5,482	11,040
204.40	5,493	11,095
204.41	5,505	11,150
204.42	5,516	11,205
204.43	5,528	11,260
204.44	5,539	11,316
204.45	5,551	11,371
204.46	5,562	11,427
204.47	5,574	11,482
204.48	5,585	11,538
204.49	5,597	11,594
204.50	**5,608**	**11,650**
204.51	5,608	11,650
204.52	5,608	11,650
204.53	5,608	11,650
204.54	5,608	11,650
204.55	5,608	11,650
204.56	5,608	11,650
204.57	5,608	11,650
204.58	5,608	11,650
204.59	5,608	11,650
204.60	5,608	11,650
204.61	5,608	11,650
204.62	5,608	11,650
204.63	5,608	11,650
204.64	5,608	11,650
204.65	5,608	11,650
204.66	5,608	11,650
204.67	5,608	11,650
204.68	5,608	11,650
204.69	5,608	11,650
204.70	5,608	11,650
204.71	5,608	11,650
204.72	5,608	11,650
204.73	5,608	11,650
204.74	5,608	11,650
204.75	5,608	11,650
204.76	5,608	11,650
204.77	5,608	11,650
204.78	5,608	11,650
204.79	5,608	11,650
204.80	5,608	11,650
204.81	5,608	11,650
204.82	5,608	11,650
204.83	5,608	11,650
204.84	5,608	11,650
204.85	5,608	11,650
204.86	5,608	11,650
204.87	5,608	11,650
204.88	5,608	11,650
204.89	5,608	11,650
204.90	5,608	11,650
204.91	5,608	11,650
204.92	5,608	11,650
204.93	5,608	11,650
204.94	5,608	11,650
204.95	5,608	11,650
204.96	5,608	11,650
204.97	5,608	11,650
204.98	5,608	11,650
204.99	5,608	11,650
205.00	5,608	11,650

Summary for Pond B-58: Basin #58

Inflow Area = 3.083 ac, 36.46% Impervious, Inflow Depth > 2.98" for Current 10 yr event
Inflow = 7.41 cfs @ 12.20 hrs, Volume= 0.767 af
Outflow = 4.45 cfs @ 12.40 hrs, Volume= 0.695 af, Atten= 40%, Lag= 12.0 min
Primary = 4.45 cfs @ 12.40 hrs, Volume= 0.695 af
Routed to Link PDA-6ON : Proposed Onsite Drainage Area #6

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 199.98' @ 12.40 hrs Surf.Area= 9,090 sf Storage= 8,939 cf

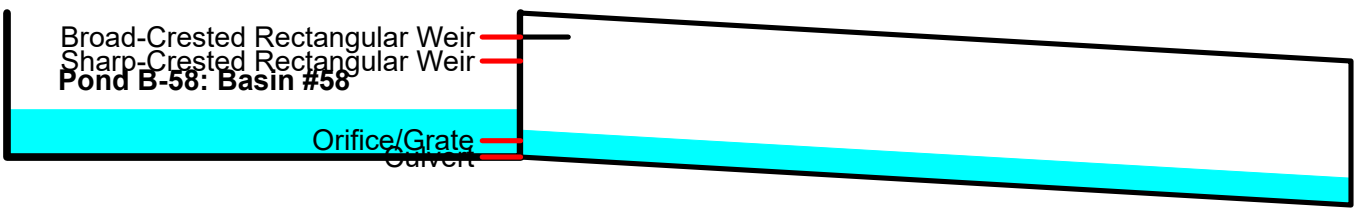
Plug-Flow detention time= 135.8 min calculated for 0.694 af (91% of inflow)
Center-of-Mass det. time= 67.3 min (947.2 - 879.9)

Volume	Invert	Avail.Storage	Storage Description
#1	199.00'	27,270 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

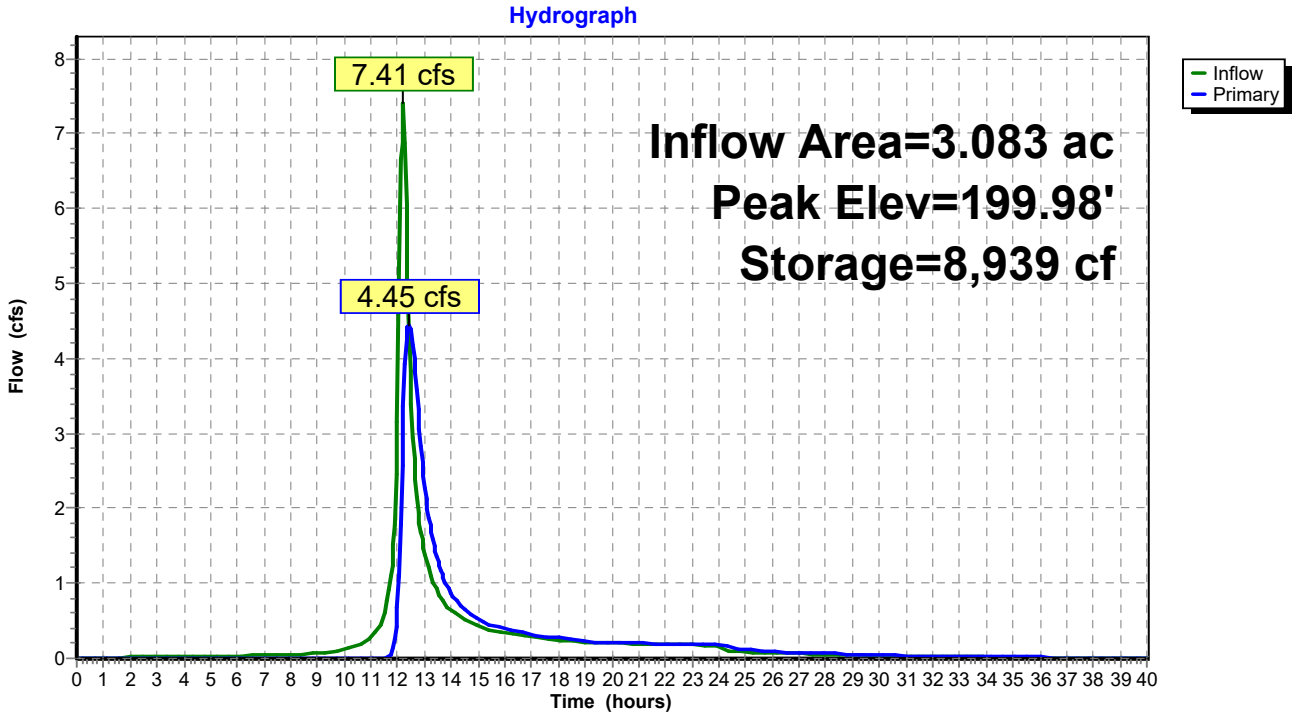
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
199.00	9,090	0	0
200.00	9,090	9,090	9,090
201.00	9,090	9,090	18,180
202.00	9,090	9,090	27,270

Device	Routing	Invert	Outlet Devices
#1	Primary	199.00'	**36.0" Round Culvert** L= 87.0' Ke= 0.500 Inlet / Outlet Invert= 199.00' / 198.00' S= 0.0115 '/' Cc= 0.900 n= 0.013, Flow Area= 7.07 sf
#2	Device 1	199.34'	**36.0" W x 6.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	201.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	201.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=4.45 cfs @ 12.40 hrs HW=199.98' (Free Discharge)
- **1=Culvert** (Passes 4.45 cfs of 6.80 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 4.45 cfs @ 2.96 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-58: Basin #58



Hydrograph for Pond B-58: Basin #58

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	199.00	0.00
0.10	0.00	0	199.00	0.00
0.20	0.00	0	199.00	0.00
0.30	0.00	0	199.00	0.00
0.40	0.00	0	199.00	0.00
0.50	0.00	0	199.00	0.00
0.60	0.00	0	199.00	0.00
0.70	0.00	0	199.00	0.00
0.80	0.00	0	199.00	0.00
0.90	0.00	1	199.00	0.00
1.00	0.00	1	199.00	0.00
1.10	0.00	3	199.00	0.00
1.20	0.01	4	199.00	0.00
1.30	0.01	7	199.00	0.00
1.40	0.01	9	199.00	0.00
1.50	0.01	12	199.00	0.00
1.60	0.01	15	199.00	0.00
1.70	0.01	18	199.00	0.00
1.80	0.01	22	199.00	0.00
1.90	0.01	26	199.00	0.00
2.00	0.01	31	199.00	0.00
2.10	0.01	35	199.00	0.00
2.20	0.01	40	199.00	0.00
2.30	0.01	45	199.01	0.00
2.40	0.02	51	199.01	0.00
2.50	0.02	57	199.01	0.00
2.60	0.02	62	199.01	0.00
2.70	0.02	69	199.01	0.00
2.80	0.02	75	199.01	0.00
2.90	0.02	81	199.01	0.00
3.00	0.02	88	199.01	0.00
3.10	0.02	95	199.01	0.00
3.20	0.02	102	199.01	0.00
3.30	0.02	110	199.01	0.00
3.40	0.02	117	199.01	0.00
3.50	0.02	125	199.01	0.00
3.60	0.02	133	199.01	0.00
3.70	0.02	141	199.02	0.00
3.80	0.02	149	199.02	0.00
3.90	0.02	158	199.02	0.00
4.00	0.02	166	199.02	0.00
4.10	0.02	175	199.02	0.00
4.20	0.02	184	199.02	0.00
4.30	0.03	193	199.02	0.00
4.40	0.03	202	199.02	0.00
4.50	0.03	211	199.02	0.00
4.60	0.03	221	199.02	0.00
4.70	0.03	231	199.03	0.00
4.80	0.03	240	199.03	0.00
4.90	0.03	250	199.03	0.00
5.00	0.03	260	199.03	0.00
5.10	0.03	270	199.03	0.00

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.03	281	199.03	0.00
5.30	0.03	291	199.03	0.00
5.40	0.03	302	199.03	0.00
5.50	0.03	313	199.03	0.00
5.60	0.03	323	199.04	0.00
5.70	0.03	334	199.04	0.00
5.80	0.03	346	199.04	0.00
5.90	0.03	357	199.04	0.00
6.00	0.03	368	199.04	0.00
6.10	0.03	380	199.04	0.00
6.20	0.03	392	199.04	0.00
6.30	0.03	404	199.04	0.00
6.40	0.04	417	199.05	0.00
6.50	0.04	430	199.05	0.00
6.60	0.04	443	199.05	0.00
6.70	0.04	457	199.05	0.00
6.80	0.04	471	199.05	0.00
6.90	0.04	485	199.05	0.00
7.00	0.04	500	199.05	0.00
7.10	0.04	515	199.06	0.00
7.20	0.04	530	199.06	0.00
7.30	0.04	546	199.06	0.00
7.40	0.04	562	199.06	0.00
7.50	0.05	578	199.06	0.00
7.60	0.05	595	199.07	0.00
7.70	0.05	612	199.07	0.00
7.80	0.05	629	199.07	0.00
7.90	0.05	647	199.07	0.00
8.00	0.05	665	199.07	0.00
8.10	0.05	684	199.08	0.00
8.20	0.05	703	199.08	0.00
8.30	0.05	722	199.08	0.00
8.40	0.05	741	199.08	0.00
8.50	0.06	761	199.08	0.00
8.60	0.06	781	199.09	0.00
8.70	0.06	802	199.09	0.00
8.80	0.06	823	199.09	0.00
8.90	0.06	844	199.09	0.00
9.00	0.06	866	199.10	0.00
9.10	0.07	889	199.10	0.00
9.20	0.07	914	199.10	0.00
9.30	0.08	940	199.10	0.00
9.40	0.08	969	199.11	0.00
9.50	0.09	999	199.11	0.00
9.60	0.09	1,032	199.11	0.00
9.70	0.10	1,067	199.12	0.00
9.80	0.10	1,103	199.12	0.00
9.90	0.11	1,143	199.13	0.00
10.00	0.12	1,184	199.13	0.00
10.10	0.12	1,228	199.14	0.00
10.20	0.13	1,274	199.14	0.00
10.30	0.14	1,323	199.15	0.00

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.15	1,375	199.15	0.00
10.50	0.16	1,430	199.16	0.00
10.60	0.17	1,490	199.16	0.00
10.70	0.20	1,558	199.17	0.00
10.80	0.22	1,633	199.18	0.00
10.90	0.24	1,716	199.19	0.00
11.00	0.27	1,809	199.20	0.00
11.10	0.31	1,915	199.21	0.00
11.20	0.35	2,035	199.22	0.00
11.30	0.40	2,172	199.24	0.00
11.40	0.45	2,328	199.26	0.00
11.50	0.53	2,504	199.28	0.00
11.60	0.72	2,739	199.30	0.00
11.70	0.90	3,030	199.33	0.00
11.80	1.23	3,411	199.38	0.07
11.90	1.77	3,899	199.43	0.26
12.00	3.16	4,625	199.51	0.67
12.10	6.67	6,031	199.66	1.77
12.20	**7.41**	7,610	199.84	3.38
12.30	6.05	8,662	199.95	4.25
12.40	4.39	**8,939**	**199.98**	**4.45**
12.50	3.39	8,745	199.96	4.31
12.60	2.65	8,318	199.92	4.00
12.70	2.14	7,812	199.86	3.57
12.80	1.80	7,321	199.81	3.06
12.90	1.58	6,907	199.76	2.62
13.00	1.41	6,564	199.72	2.27
13.10	1.26	6,275	199.69	2.00
13.20	1.13	6,028	199.66	1.77
13.30	1.04	5,815	199.64	1.58
13.40	0.95	5,632	199.62	1.42
13.50	0.87	5,470	199.60	1.29
13.60	0.79	5,325	199.59	1.18
13.70	0.74	5,196	199.57	1.07
13.80	0.70	5,083	199.56	0.99
13.90	0.66	4,984	199.55	0.92
14.00	0.64	4,899	199.54	0.85
14.10	0.61	4,826	199.53	0.80
14.20	0.59	4,761	199.52	0.76
14.30	0.57	4,703	199.52	0.72
14.40	0.55	4,651	199.51	0.69
14.50	0.53	4,604	199.51	0.66
14.60	0.51	4,560	199.50	0.63
14.70	0.49	4,519	199.50	0.60
14.80	0.47	4,480	199.49	0.58
14.90	0.46	4,443	199.49	0.55
15.00	0.44	4,408	199.48	0.53
15.10	0.42	4,374	199.48	0.51
15.20	0.40	4,341	199.48	0.49
15.30	0.39	4,309	199.47	0.47
15.40	0.38	4,280	199.47	0.46
15.50	0.37	4,254	199.47	0.44

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.37	4,230	199.47	0.43
15.70	0.36	4,208	199.46	0.42
15.80	0.35	4,188	199.46	0.41
15.90	0.35	4,170	199.46	0.40
16.00	0.34	4,153	199.46	0.39
16.10	0.34	4,137	199.46	0.38
16.20	0.33	4,123	199.45	0.37
16.30	0.33	4,109	199.45	0.36
16.40	0.32	4,096	199.45	0.35
16.50	0.31	4,084	199.45	0.35
16.60	0.31	4,072	199.45	0.34
16.70	0.30	4,060	199.45	0.34
16.80	0.30	4,048	199.45	0.33
16.90	0.29	4,037	199.44	0.33
17.00	0.29	4,025	199.44	0.32
17.10	0.28	4,015	199.44	0.31
17.20	0.28	4,004	199.44	0.31
17.30	0.28	3,994	199.44	0.30
17.40	0.27	3,983	199.44	0.30
17.50	0.27	3,973	199.44	0.29
17.60	0.26	3,963	199.44	0.29
17.70	0.26	3,953	199.43	0.28
17.80	0.25	3,944	199.43	0.28
17.90	0.25	3,934	199.43	0.27
18.00	0.24	3,924	199.43	0.27
18.10	0.24	3,913	199.43	0.26
18.20	0.23	3,904	199.43	0.26
18.30	0.23	3,894	199.43	0.26
18.40	0.23	3,885	199.43	0.25
18.50	0.22	3,877	199.43	0.25
18.60	0.22	3,869	199.43	0.24
18.70	0.22	3,862	199.42	0.24
18.80	0.22	3,855	199.42	0.24
18.90	0.22	3,849	199.42	0.23
19.00	0.21	3,843	199.42	0.23
19.10	0.21	3,837	199.42	0.23
19.20	0.21	3,832	199.42	0.22
19.30	0.21	3,827	199.42	0.22
19.40	0.21	3,823	199.42	0.22
19.50	0.21	3,819	199.42	0.22
19.60	0.21	3,815	199.42	0.22
19.70	0.21	3,812	199.42	0.22
19.80	0.21	3,809	199.42	0.21
19.90	0.21	3,806	199.42	0.21
20.00	0.20	3,803	199.42	0.21
20.10	0.20	3,801	199.42	0.21
20.20	0.20	3,798	199.42	0.21
20.30	0.20	3,796	199.42	0.21
20.40	0.20	3,793	199.42	0.21
20.50	0.20	3,791	199.42	0.21
20.60	0.20	3,788	199.42	0.21
20.70	0.20	3,786	199.42	0.21

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.20	3,784	199.42	0.20
20.90	0.20	3,782	199.42	0.20
21.00	0.20	3,780	199.42	0.20
21.10	0.20	3,777	199.42	0.20
21.20	0.19	3,775	199.42	0.20
21.30	0.19	3,773	199.42	0.20
21.40	0.19	3,771	199.41	0.20
21.50	0.19	3,769	199.41	0.20
21.60	0.19	3,767	199.41	0.20
21.70	0.19	3,764	199.41	0.20
21.80	0.19	3,762	199.41	0.20
21.90	0.19	3,760	199.41	0.19
22.00	0.19	3,758	199.41	0.19
22.10	0.19	3,756	199.41	0.19
22.20	0.19	3,754	199.41	0.19
22.30	0.19	3,752	199.41	0.19
22.40	0.18	3,749	199.41	0.19
22.50	0.18	3,747	199.41	0.19
22.60	0.18	3,745	199.41	0.19
22.70	0.18	3,743	199.41	0.19
22.80	0.18	3,741	199.41	0.19
22.90	0.18	3,738	199.41	0.19
23.00	0.18	3,736	199.41	0.18
23.10	0.18	3,734	199.41	0.18
23.20	0.18	3,732	199.41	0.18
23.30	0.18	3,729	199.41	0.18
23.40	0.17	3,727	199.41	0.18
23.50	0.17	3,725	199.41	0.18
23.60	0.17	3,722	199.41	0.18
23.70	0.17	3,720	199.41	0.18
23.80	0.17	3,718	199.41	0.18
23.90	0.17	3,715	199.41	0.18
24.00	0.17	3,714	199.41	0.18
24.10	0.15	3,707	199.41	0.17
24.20	0.12	3,693	199.41	0.17
24.30	0.10	3,674	199.40	0.16
24.40	0.09	3,653	199.40	0.15
24.50	0.09	3,633	199.40	0.14
24.60	0.09	3,615	199.40	0.14
24.70	0.09	3,599	199.40	0.13
24.80	0.09	3,585	199.39	0.12
24.90	0.09	3,573	199.39	0.12
25.00	0.08	3,561	199.39	0.11
25.10	0.08	3,551	199.39	0.11
25.20	0.08	3,542	199.39	0.11
25.30	0.08	3,534	199.39	0.10
25.40	0.08	3,526	199.39	0.10
25.50	0.08	3,518	199.39	0.10
25.60	0.08	3,511	199.39	0.10
25.70	0.08	3,504	199.39	0.10
25.80	0.08	3,498	199.38	0.09
25.90	0.08	3,492	199.38	0.09

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.07	3,486	199.38	0.09
26.10	0.07	3,480	199.38	0.09
26.20	0.07	3,475	199.38	0.09
26.30	0.07	3,469	199.38	0.09
26.40	0.07	3,464	199.38	0.08
26.50	0.07	3,459	199.38	0.08
26.60	0.07	3,454	199.38	0.08
26.70	0.07	3,450	199.38	0.08
26.80	0.07	3,445	199.38	0.08
26.90	0.06	3,441	199.38	0.08
27.00	0.06	3,436	199.38	0.08
27.10	0.06	3,432	199.38	0.07
27.20	0.06	3,428	199.38	0.07
27.30	0.06	3,423	199.38	0.07
27.40	0.06	3,419	199.38	0.07
27.50	0.06	3,415	199.38	0.07
27.60	0.06	3,411	199.38	0.07
27.70	0.06	3,407	199.37	0.07
27.80	0.05	3,403	199.37	0.07
27.90	0.05	3,399	199.37	0.06
28.00	0.05	3,395	199.37	0.06
28.10	0.05	3,392	199.37	0.06
28.20	0.05	3,388	199.37	0.06
28.30	0.05	3,384	199.37	0.06
28.40	0.05	3,380	199.37	0.06
28.50	0.05	3,377	199.37	0.06
28.60	0.05	3,373	199.37	0.06
28.70	0.04	3,369	199.37	0.06
28.80	0.04	3,365	199.37	0.05
28.90	0.04	3,361	199.37	0.05
29.00	0.04	3,357	199.37	0.05
29.10	0.04	3,353	199.37	0.05
29.20	0.04	3,349	199.37	0.05
29.30	0.04	3,346	199.37	0.05
29.40	0.04	3,342	199.37	0.05
29.50	0.04	3,338	199.37	0.05
29.60	0.03	3,334	199.37	0.05
29.70	0.03	3,330	199.37	0.04
29.80	0.03	3,327	199.37	0.04
29.90	0.03	3,323	199.37	0.04
30.00	0.03	3,319	199.37	0.04
30.10	0.03	3,316	199.36	0.04
30.20	0.03	3,312	199.36	0.04
30.30	0.03	3,309	199.36	0.04
30.40	0.03	3,305	199.36	0.04
30.50	0.03	3,302	199.36	0.04
30.60	0.03	3,299	199.36	0.04
30.70	0.03	3,296	199.36	0.03
30.80	0.02	3,293	199.36	0.03
30.90	0.02	3,290	199.36	0.03
31.00	0.02	3,287	199.36	0.03
31.10	0.02	3,284	199.36	0.03

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.02	3,281	199.36	0.03
31.30	0.02	3,279	199.36	0.03
31.40	0.02	3,276	199.36	0.03
31.50	0.02	3,273	199.36	0.03
31.60	0.02	3,271	199.36	0.03
31.70	0.02	3,268	199.36	0.03
31.80	0.02	3,266	199.36	0.03
31.90	0.02	3,263	199.36	0.03
32.00	0.02	3,260	199.36	0.03
32.10	0.02	3,258	199.36	0.03
32.20	0.02	3,255	199.36	0.02
32.30	0.02	3,252	199.36	0.02
32.40	0.02	3,249	199.36	0.02
32.50	0.02	3,247	199.36	0.02
32.60	0.02	3,244	199.36	0.02
32.70	0.02	3,241	199.36	0.02
32.80	0.01	3,239	199.36	0.02
32.90	0.01	3,236	199.36	0.02
33.00	0.01	3,234	199.36	0.02
33.10	0.01	3,231	199.36	0.02
33.20	0.01	3,228	199.36	0.02
33.30	0.01	3,226	199.35	0.02
33.40	0.01	3,223	199.35	0.02
33.50	0.01	3,221	199.35	0.02
33.60	0.01	3,219	199.35	0.02
33.70	0.01	3,216	199.35	0.02
33.80	0.01	3,214	199.35	0.02
33.90	0.01	3,211	199.35	0.02
34.00	0.01	3,209	199.35	0.02
34.10	0.01	3,207	199.35	0.02
34.20	0.01	3,205	199.35	0.02
34.30	0.01	3,202	199.35	0.02
34.40	0.01	3,200	199.35	0.02
34.50	0.01	3,198	199.35	0.02
34.60	0.01	3,196	199.35	0.02
34.70	0.01	3,194	199.35	0.02
34.80	0.01	3,192	199.35	0.02
34.90	0.01	3,190	199.35	0.01
35.00	0.01	3,188	199.35	0.01
35.10	0.01	3,186	199.35	0.01
35.20	0.01	3,184	199.35	0.01
35.30	0.01	3,182	199.35	0.01
35.40	0.01	3,180	199.35	0.01
35.50	0.01	3,178	199.35	0.01
35.60	0.01	3,177	199.35	0.01
35.70	0.01	3,175	199.35	0.01
35.80	0.01	3,173	199.35	0.01
35.90	0.01	3,172	199.35	0.01
36.00	0.01	3,170	199.35	0.01
36.10	0.01	3,169	199.35	0.01
36.20	0.01	3,167	199.35	0.01
36.30	0.01	3,166	199.35	0.01

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.01	3,164	199.35	0.01
36.50	0.01	3,163	199.35	0.01
36.60	0.01	3,162	199.35	0.01
36.70	0.01	3,160	199.35	0.01
36.80	0.01	3,159	199.35	0.01
36.90	0.01	3,158	199.35	0.01
37.00	0.01	3,157	199.35	0.01
37.10	0.01	3,155	199.35	0.01
37.20	0.01	3,154	199.35	0.01
37.30	0.01	3,153	199.35	0.01
37.40	0.01	3,152	199.35	0.01
37.50	0.01	3,151	199.35	0.01
37.60	0.01	3,150	199.35	0.01
37.70	0.01	3,149	199.35	0.01
37.80	0.01	3,148	199.35	0.01
37.90	0.01	3,147	199.35	0.01
38.00	0.01	3,146	199.35	0.01
38.10	0.01	3,145	199.35	0.01
38.20	0.01	3,144	199.35	0.01
38.30	0.01	3,143	199.35	0.01
38.40	0.01	3,142	199.35	0.01
38.50	0.01	3,141	199.35	0.01
38.60	0.01	3,140	199.35	0.01
38.70	0.00	3,139	199.35	0.01
38.80	0.00	3,139	199.35	0.01
38.90	0.00	3,138	199.35	0.01
39.00	0.00	3,137	199.35	0.01
39.10	0.00	3,136	199.35	0.01
39.20	0.00	3,135	199.34	0.01
39.30	0.00	3,135	199.34	0.01
39.40	0.00	3,134	199.34	0.01
39.50	0.00	3,133	199.34	0.01
39.60	0.00	3,133	199.34	0.01
39.70	0.00	3,132	199.34	0.01
39.80	0.00	3,131	199.34	0.01
39.90	0.00	3,130	199.34	0.01
40.00	0.00	3,130	199.34	0.01

Stage-Discharge for Pond B-58: Basin #58

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
199.00	0.00	199.52	0.74	200.04	4.78	200.56	7.09
199.01	0.00	199.53	0.80	200.05	4.83	200.57	7.13
199.02	0.00	199.54	0.86	200.06	4.89	200.58	7.17
199.03	0.00	199.55	0.93	200.07	4.94	200.59	7.20
199.04	0.00	199.56	0.99	200.08	5.00	200.60	7.24
199.05	0.00	199.57	1.06	200.09	5.05	200.61	7.28
199.06	0.00	199.58	1.13	200.10	5.10	200.62	7.31
199.07	0.00	199.59	1.20	200.11	5.16	200.63	7.35
199.08	0.00	199.60	1.28	200.12	5.21	200.64	7.38
199.09	0.00	199.61	1.35	200.13	5.26	200.65	7.42
199.10	0.00	199.62	1.43	200.14	5.31	200.66	7.45
199.11	0.00	199.63	1.50	200.15	5.36	200.67	7.49
199.12	0.00	199.64	1.58	200.16	5.41	200.68	7.52
199.13	0.00	199.65	1.66	200.17	5.46	200.69	7.56
199.14	0.00	199.66	1.74	200.18	5.50	200.70	7.59
199.15	0.00	199.67	1.83	200.19	5.55	200.71	7.63
199.16	0.00	199.68	1.91	200.20	5.60	200.72	7.66
199.17	0.00	199.69	1.99	200.21	5.65	200.73	7.70
199.18	0.00	199.70	2.08	200.22	5.69	200.74	7.73
199.19	0.00	199.71	2.17	200.23	5.74	200.75	7.76
199.20	0.00	199.72	2.26	200.24	5.79	200.76	7.80
199.21	0.00	199.73	2.35	200.25	5.83	200.77	7.83
199.22	0.00	199.74	2.44	200.26	5.88	200.78	7.86
199.23	0.00	199.75	2.53	200.27	5.92	200.79	7.90
199.24	0.00	199.76	2.62	200.28	5.97	200.80	7.93
199.25	0.00	199.77	2.72	200.29	6.01	200.81	7.96
199.26	0.00	199.78	2.81	200.30	6.05	200.82	8.00
199.27	0.00	199.79	2.91	200.31	6.10	200.83	8.03
199.28	0.00	199.80	3.00	200.32	6.14	200.84	8.06
199.29	0.00	199.81	3.10	200.33	6.18	200.85	8.09
199.30	0.00	199.82	3.20	200.34	6.23	200.86	8.13
199.31	0.00	199.83	3.30	200.35	6.27	200.87	8.16
199.32	0.00	199.84	3.40	200.36	6.31	200.88	8.19
199.33	0.00	199.85	3.50	200.37	6.35	200.89	8.22
199.34	0.00	199.86	3.58	200.38	6.39	200.90	8.25
199.35	0.01	199.87	3.67	200.39	6.43	200.91	8.29
199.36	0.03	199.88	3.74	200.40	6.47	200.92	8.32
199.37	0.05	199.89	3.82	200.41	6.51	200.93	8.35
199.38	0.08	199.90	3.89	200.42	6.55	200.94	8.38
199.39	0.11	199.91	3.97	200.43	6.59	200.95	8.41
199.40	0.14	199.92	4.04	200.44	6.63	200.96	8.44
199.41	0.18	199.93	4.10	200.45	6.67	200.97	8.47
199.42	0.22	199.94	4.17	200.46	6.71	200.98	8.50
199.43	0.26	199.95	4.24	200.47	6.75	200.99	8.53
199.44	0.30	199.96	4.30	200.48	6.79	201.00	8.56
199.45	0.35	199.97	4.36	200.49	6.83	201.01	8.61
199.46	0.40	199.98	4.43	200.50	6.87	201.02	8.66
199.47	0.45	199.99	4.49	200.51	6.91	201.03	8.72
199.48	0.50	200.00	4.55	200.52	6.94	201.04	8.79
199.49	0.56	200.01	4.61	200.53	6.98	201.05	8.86
199.50	0.62	200.02	4.66	200.54	7.02	201.06	8.94
199.51	0.67	200.03	4.72	200.55	7.06	201.07	9.02

Stage-Discharge for Pond B-58: Basin #58 (continued)

Elevation (feet)	Primary (cfs)
201.08	9.10
201.09	9.19
201.10	9.28
201.11	9.37
201.12	9.46
201.13	9.56
201.14	9.66
201.15	9.77
201.16	9.87
201.17	9.98
201.18	10.09
201.19	10.20
201.20	10.31
201.21	10.43
201.22	10.55
201.23	10.67
201.24	10.79
201.25	10.91
201.26	11.04
201.27	11.16
201.28	11.29
201.29	11.42
201.30	11.55
201.31	11.69
201.32	11.82
201.33	11.96
201.34	12.10
201.35	12.23
201.36	12.38
201.37	12.52
201.38	12.66
201.39	12.81
201.40	12.95
201.41	13.10
201.42	13.25
201.43	13.40
201.44	13.55
201.45	13.70
201.46	13.86
201.47	14.01
201.48	14.17
201.49	14.32
201.50	14.48
201.51	14.76
201.52	15.14
201.53	15.57
201.54	16.07
201.55	16.60
201.56	17.18
201.57	17.80
201.58	18.45
201.59	19.13
201.60	19.85
201.61	20.59
201.62	21.36
201.63	22.16
201.64	22.99
201.65	23.84
201.66	24.71
201.67	25.61
201.68	26.53
201.69	27.48
201.70	28.44
201.71	29.47
201.72	30.52
201.73	31.60
201.74	32.71
201.75	33.84
201.76	35.00
201.77	36.18
201.78	37.39
201.79	38.62
201.80	39.88
201.81	41.17
201.82	42.48
201.83	43.82
201.84	45.18
201.85	46.56
201.86	47.97
201.87	49.41
201.88	50.87
201.89	52.36
201.90	53.87
201.91	55.43
201.92	57.02
201.93	58.63
201.94	60.28
201.95	61.95
201.96	63.64
201.97	65.37
201.98	67.12
201.99	68.89
202.00	**70.70**

Stage-Area-Storage for Pond B-58: Basin #58

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
199.00	**9,090**	0	199.52	9,090	4,727
199.01	9,090	91	199.53	9,090	4,818
199.02	9,090	182	199.54	9,090	4,909
199.03	9,090	273	199.55	9,090	5,000
199.04	9,090	364	199.56	9,090	5,090
199.05	9,090	455	199.57	9,090	5,181
199.06	9,090	545	199.58	9,090	5,272
199.07	9,090	636	199.59	9,090	5,363
199.08	9,090	727	199.60	9,090	5,454
199.09	9,090	818	199.61	9,090	5,545
199.10	9,090	909	199.62	9,090	5,636
199.11	9,090	1,000	199.63	9,090	5,727
199.12	9,090	1,091	199.64	9,090	5,818
199.13	9,090	1,182	199.65	9,090	5,909
199.14	9,090	1,273	199.66	9,090	5,999
199.15	9,090	1,364	199.67	9,090	6,090
199.16	9,090	1,454	199.68	9,090	6,181
199.17	9,090	1,545	199.69	9,090	6,272
199.18	9,090	1,636	199.70	9,090	6,363
199.19	9,090	1,727	199.71	9,090	6,454
199.20	9,090	1,818	199.72	9,090	6,545
199.21	9,090	1,909	199.73	9,090	6,636
199.22	9,090	2,000	199.74	9,090	6,727
199.23	9,090	2,091	199.75	9,090	6,818
199.24	9,090	2,182	199.76	9,090	6,908
199.25	9,090	2,273	199.77	9,090	6,999
199.26	9,090	2,363	199.78	9,090	7,090
199.27	9,090	2,454	199.79	9,090	7,181
199.28	9,090	2,545	199.80	9,090	7,272
199.29	9,090	2,636	199.81	9,090	7,363
199.30	9,090	2,727	199.82	9,090	7,454
199.31	9,090	2,818	199.83	9,090	7,545
199.32	9,090	2,909	199.84	9,090	7,636
199.33	9,090	3,000	199.85	9,090	7,726
199.34	9,090	3,091	199.86	9,090	7,817
199.35	9,090	3,181	199.87	9,090	7,908
199.36	9,090	3,272	199.88	9,090	7,999
199.37	9,090	3,363	199.89	9,090	8,090
199.38	9,090	3,454	199.90	9,090	8,181
199.39	9,090	3,545	199.91	9,090	8,272
199.40	9,090	3,636	199.92	9,090	8,363
199.41	9,090	3,727	199.93	9,090	8,454
199.42	9,090	3,818	199.94	9,090	8,545
199.43	9,090	3,909	199.95	9,090	8,635
199.44	9,090	4,000	199.96	9,090	8,726
199.45	9,090	4,090	199.97	9,090	8,817
199.46	9,090	4,181	199.98	9,090	8,908
199.47	9,090	4,272	199.99	9,090	8,999
199.48	9,090	4,363	200.00	9,090	9,090
199.49	9,090	4,454	200.01	9,090	9,181
199.50	9,090	4,545	200.02	9,090	9,272
199.51	9,090	4,636	200.03	9,090	9,363

Stage-Area-Storage for Pond B-58: Basin #58 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
200.04	9,090	9,454	200.56	9,090	14,180
200.05	9,090	9,545	200.57	9,090	14,271
200.06	9,090	9,635	200.58	9,090	14,362
200.07	9,090	9,726	200.59	9,090	14,453
200.08	9,090	9,817	200.60	9,090	14,544
200.09	9,090	9,908	200.61	9,090	14,635
200.10	9,090	9,999	200.62	9,090	14,726
200.11	9,090	10,090	200.63	9,090	14,817
200.12	9,090	10,181	200.64	9,090	14,908
200.13	9,090	10,272	200.65	9,090	14,999
200.14	9,090	10,363	200.66	9,090	15,089
200.15	9,090	10,454	200.67	9,090	15,180
200.16	9,090	10,544	200.68	9,090	15,271
200.17	9,090	10,635	200.69	9,090	15,362
200.18	9,090	10,726	200.70	9,090	15,453
200.19	9,090	10,817	200.71	9,090	15,544
200.20	9,090	10,908	200.72	9,090	15,635
200.21	9,090	10,999	200.73	9,090	15,726
200.22	9,090	11,090	200.74	9,090	15,817
200.23	9,090	11,181	200.75	9,090	15,908
200.24	9,090	11,272	200.76	9,090	15,998
200.25	9,090	11,363	200.77	9,090	16,089
200.26	9,090	11,453	200.78	9,090	16,180
200.27	9,090	11,544	200.79	9,090	16,271
200.28	9,090	11,635	200.80	9,090	16,362
200.29	9,090	11,726	200.81	9,090	16,453
200.30	9,090	11,817	200.82	9,090	16,544
200.31	9,090	11,908	200.83	9,090	16,635
200.32	9,090	11,999	200.84	9,090	16,726
200.33	9,090	12,090	200.85	9,090	16,816
200.34	9,090	12,181	200.86	9,090	16,907
200.35	9,090	12,271	200.87	9,090	16,998
200.36	9,090	12,362	200.88	9,090	17,089
200.37	9,090	12,453	200.89	9,090	17,180
200.38	9,090	12,544	200.90	9,090	17,271
200.39	9,090	12,635	200.91	9,090	17,362
200.40	9,090	12,726	200.92	9,090	17,453
200.41	9,090	12,817	200.93	9,090	17,544
200.42	9,090	12,908	200.94	9,090	17,635
200.43	9,090	12,999	200.95	9,090	17,725
200.44	9,090	13,090	200.96	9,090	17,816
200.45	9,090	13,180	200.97	9,090	17,907
200.46	9,090	13,271	200.98	9,090	17,998
200.47	9,090	13,362	200.99	9,090	18,089
200.48	9,090	13,453	201.00	9,090	18,180
200.49	9,090	13,544	201.01	9,090	18,271
200.50	9,090	13,635	201.02	9,090	18,362
200.51	9,090	13,726	201.03	9,090	18,453
200.52	9,090	13,817	201.04	9,090	18,544
200.53	9,090	13,908	201.05	9,090	18,635
200.54	9,090	13,999	201.06	9,090	18,725
200.55	9,090	14,090	201.07	9,090	18,816

Stage-Area-Storage for Pond B-58: Basin #58 (continued)

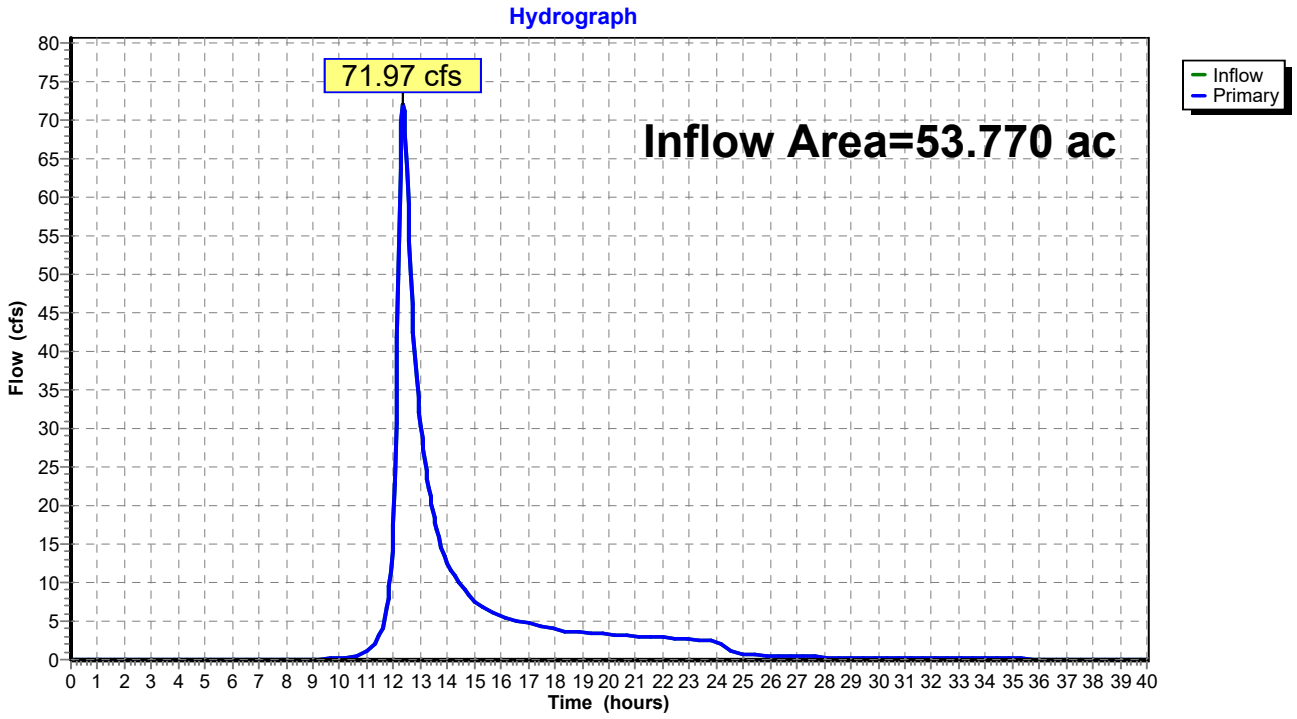
Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
201.08	9,090	18,907
201.09	9,090	18,998
201.10	9,090	19,089
201.11	9,090	19,180
201.12	9,090	19,271
201.13	9,090	19,362
201.14	9,090	19,453
201.15	9,090	19,544
201.16	9,090	19,634
201.17	9,090	19,725
201.18	9,090	19,816
201.19	9,090	19,907
201.20	9,090	19,998
201.21	9,090	20,089
201.22	9,090	20,180
201.23	9,090	20,271
201.24	9,090	20,362
201.25	9,090	20,453
201.26	9,090	20,543
201.27	9,090	20,634
201.28	9,090	20,725
201.29	9,090	20,816
201.30	9,090	20,907
201.31	9,090	20,998
201.32	9,090	21,089
201.33	9,090	21,180
201.34	9,090	21,271
201.35	9,090	21,361
201.36	9,090	21,452
201.37	9,090	21,543
201.38	9,090	21,634
201.39	9,090	21,725
201.40	9,090	21,816
201.41	9,090	21,907
201.42	9,090	21,998
201.43	9,090	22,089
201.44	9,090	22,180
201.45	9,090	22,270
201.46	9,090	22,361
201.47	9,090	22,452
201.48	9,090	22,543
201.49	9,090	22,634
201.50	9,090	22,725
201.51	9,090	22,816
201.52	9,090	22,907
201.53	9,090	22,998
201.54	9,090	23,089
201.55	9,090	23,180
201.56	9,090	23,270
201.57	9,090	23,361
201.58	9,090	23,452
201.59	9,090	23,543
201.60	9,090	23,634
201.61	9,090	23,725
201.62	9,090	23,816
201.63	9,090	23,907
201.64	9,090	23,998
201.65	9,090	24,089
201.66	9,090	24,179
201.67	9,090	24,270
201.68	9,090	24,361
201.69	9,090	24,452
201.70	9,090	24,543
201.71	9,090	24,634
201.72	9,090	24,725
201.73	9,090	24,816
201.74	9,090	24,907
201.75	9,090	24,998
201.76	9,090	25,088
201.77	9,090	25,179
201.78	9,090	25,270
201.79	9,090	25,361
201.80	9,090	25,452
201.81	9,090	25,543
201.82	9,090	25,634
201.83	9,090	25,725
201.84	9,090	25,816
201.85	9,090	25,906
201.86	9,090	25,997
201.87	9,090	26,088
201.88	9,090	26,179
201.89	9,090	26,270
201.90	9,090	26,361
201.91	9,090	26,452
201.92	9,090	26,543
201.93	9,090	26,634
201.94	9,090	26,725
201.95	9,090	26,815
201.96	9,090	26,906
201.97	9,090	26,997
201.98	9,090	27,088
201.99	9,090	27,179
202.00	9,090	**27,270**

Summary for Link PDA-6: Proposed Drainage Area #6

Inflow Area = 53.770 ac, 12.46% Impervious, Inflow Depth > 2.27" for Current 10 yr event
Inflow = 71.97 cfs @ 12.36 hrs, Volume= 10.170 af
Primary = 71.97 cfs @ 12.36 hrs, Volume= 10.170 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link PDA-6: Proposed Drainage Area #6



Hydrograph for Link PDA-6: Proposed Drainage Area #6

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.02	0.00	0.02
0.05	0.00	0.00	0.00	2.65	0.02	0.00	0.02
0.10	0.00	0.00	0.00	2.70	0.03	0.00	0.03
0.15	0.00	0.00	0.00	2.75	0.03	0.00	0.03
0.20	0.00	0.00	0.00	2.80	0.03	0.00	0.03
0.25	0.00	0.00	0.00	2.85	0.03	0.00	0.03
0.30	0.00	0.00	0.00	2.90	0.03	0.00	0.03
0.35	0.00	0.00	0.00	2.95	0.03	0.00	0.03
0.40	0.00	0.00	0.00	3.00	0.03	0.00	0.03
0.45	0.00	0.00	0.00	3.05	0.03	0.00	0.03
0.50	0.00	0.00	0.00	3.10	0.03	0.00	0.03
0.55	0.00	0.00	0.00	3.15	0.03	0.00	0.03
0.60	0.00	0.00	0.00	3.20	0.03	0.00	0.03
0.65	0.00	0.00	0.00	3.25	0.03	0.00	0.03
0.70	0.00	0.00	0.00	3.30	0.03	0.00	0.03
0.75	0.00	0.00	0.00	3.35	0.03	0.00	0.03
0.80	0.00	0.00	0.00	3.40	0.03	0.00	0.03
0.85	0.00	0.00	0.00	3.45	0.03	0.00	0.03
0.90	0.00	0.00	0.00	3.50	0.03	0.00	0.03
0.95	0.00	0.00	0.00	3.55	0.03	0.00	0.03
1.00	0.00	0.00	0.00	3.60	0.03	0.00	0.03
1.05	0.00	0.00	0.00	3.65	0.04	0.00	0.04
1.10	0.00	0.00	0.00	3.70	0.04	0.00	0.04
1.15	0.00	0.00	0.00	3.75	0.04	0.00	0.04
1.20	0.00	0.00	0.00	3.80	0.04	0.00	0.04
1.25	0.00	0.00	0.00	3.85	0.04	0.00	0.04
1.30	0.00	0.00	0.00	3.90	0.04	0.00	0.04
1.35	0.00	0.00	0.00	3.95	0.04	0.00	0.04
1.40	0.01	0.00	0.01	4.00	0.04	0.00	0.04
1.45	0.01	0.00	0.01	4.05	0.04	0.00	0.04
1.50	0.01	0.00	0.01	4.10	0.04	0.00	0.04
1.55	0.01	0.00	0.01	4.15	0.04	0.00	0.04
1.60	0.01	0.00	0.01	4.20	0.04	0.00	0.04
1.65	0.01	0.00	0.01	4.25	0.04	0.00	0.04
1.70	0.01	0.00	0.01	4.30	0.04	0.00	0.04
1.75	0.01	0.00	0.01	4.35	0.04	0.00	0.04
1.80	0.01	0.00	0.01	4.40	0.04	0.00	0.04
1.85	0.01	0.00	0.01	4.45	0.04	0.00	0.04
1.90	0.01	0.00	0.01	4.50	0.04	0.00	0.04
1.95	0.02	0.00	0.02	4.55	0.04	0.00	0.04
2.00	0.02	0.00	0.02	4.60	0.04	0.00	0.04
2.05	0.02	0.00	0.02	4.65	0.04	0.00	0.04
2.10	0.02	0.00	0.02	4.70	0.04	0.00	0.04
2.15	0.02	0.00	0.02	4.75	0.04	0.00	0.04
2.20	0.02	0.00	0.02	4.80	0.04	0.00	0.04
2.25	0.02	0.00	0.02	4.85	0.04	0.00	0.04
2.30	0.02	0.00	0.02	4.90	0.05	0.00	0.05
2.35	0.02	0.00	0.02	4.95	0.05	0.00	0.05
2.40	0.02	0.00	0.02	5.00	0.05	0.00	0.05
2.45	0.02	0.00	0.02	5.05	0.05	0.00	0.05
2.50	0.02	0.00	0.02	5.10	0.05	0.00	0.05
2.55	0.02	0.00	0.02	5.15	0.05	0.00	0.05

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.05	0.00	0.05	7.80	0.08	0.00	0.08
5.25	0.05	0.00	0.05	7.85	0.08	0.00	0.08
5.30	0.05	0.00	0.05	7.90	0.08	0.00	0.08
5.35	0.05	0.00	0.05	7.95	0.08	0.00	0.08
5.40	0.05	0.00	0.05	8.00	0.08	0.00	0.08
5.45	0.05	0.00	0.05	8.05	0.08	0.00	0.08
5.50	0.05	0.00	0.05	8.10	0.08	0.00	0.08
5.55	0.05	0.00	0.05	8.15	0.08	0.00	0.08
5.60	0.05	0.00	0.05	8.20	0.08	0.00	0.08
5.65	0.05	0.00	0.05	8.25	0.09	0.00	0.09
5.70	0.05	0.00	0.05	8.30	0.09	0.00	0.09
5.75	0.05	0.00	0.05	8.35	0.09	0.00	0.09
5.80	0.05	0.00	0.05	8.40	0.09	0.00	0.09
5.85	0.05	0.00	0.05	8.45	0.09	0.00	0.09
5.90	0.05	0.00	0.05	8.50	0.09	0.00	0.09
5.95	0.05	0.00	0.05	8.55	0.09	0.00	0.09
6.00	0.05	0.00	0.05	8.60	0.09	0.00	0.09
6.05	0.05	0.00	0.05	8.65	0.09	0.00	0.09
6.10	0.05	0.00	0.05	8.70	0.09	0.00	0.09
6.15	0.05	0.00	0.05	8.75	0.09	0.00	0.09
6.20	0.05	0.00	0.05	8.80	0.09	0.00	0.09
6.25	0.05	0.00	0.05	8.85	0.09	0.00	0.09
6.30	0.05	0.00	0.05	8.90	0.10	0.00	0.10
6.35	0.05	0.00	0.05	8.95	0.10	0.00	0.10
6.40	0.06	0.00	0.06	9.00	0.10	0.00	0.10
6.45	0.06	0.00	0.06	9.05	0.10	0.00	0.10
6.50	0.06	0.00	0.06	9.10	0.10	0.00	0.10
6.55	0.06	0.00	0.06	9.15	0.10	0.00	0.10
6.60	0.06	0.00	0.06	9.20	0.10	0.00	0.10
6.65	0.06	0.00	0.06	9.25	0.10	0.00	0.10
6.70	0.06	0.00	0.06	9.30	0.10	0.00	0.10
6.75	0.06	0.00	0.06	9.35	0.11	0.00	0.11
6.80	0.06	0.00	0.06	9.40	0.11	0.00	0.11
6.85	0.06	0.00	0.06	9.45	0.11	0.00	0.11
6.90	0.06	0.00	0.06	9.50	0.11	0.00	0.11
6.95	0.06	0.00	0.06	9.55	0.12	0.00	0.12
7.00	0.06	0.00	0.06	9.60	0.12	0.00	0.12
7.05	0.07	0.00	0.07	9.65	0.12	0.00	0.12
7.10	0.07	0.00	0.07	9.70	0.12	0.00	0.12
7.15	0.07	0.00	0.07	9.75	0.13	0.00	0.13
7.20	0.07	0.00	0.07	9.80	0.13	0.00	0.13
7.25	0.07	0.00	0.07	9.85	0.13	0.00	0.13
7.30	0.07	0.00	0.07	9.90	0.14	0.00	0.14
7.35	0.07	0.00	0.07	9.95	0.15	0.00	0.15
7.40	0.07	0.00	0.07	10.00	0.16	0.00	0.16
7.45	0.07	0.00	0.07	10.05	0.18	0.00	0.18
7.50	0.07	0.00	0.07	10.10	0.20	0.00	0.20
7.55	0.07	0.00	0.07	10.15	0.22	0.00	0.22
7.60	0.07	0.00	0.07	10.20	0.25	0.00	0.25
7.65	0.08	0.00	0.08	10.25	0.28	0.00	0.28
7.70	0.08	0.00	0.08	10.30	0.31	0.00	0.31
7.75	0.08	0.00	0.08	10.35	0.34	0.00	0.34

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.38	0.00	0.38	13.00	30.15	0.00	30.15
10.45	0.42	0.00	0.42	13.05	28.56	0.00	28.56
10.50	0.46	0.00	0.46	13.10	27.15	0.00	27.15
10.55	0.50	0.00	0.50	13.15	25.82	0.00	25.82
10.60	0.55	0.00	0.55	13.20	24.58	0.00	24.58
10.65	0.60	0.00	0.60	13.25	23.39	0.00	23.39
10.70	0.65	0.00	0.65	13.30	22.24	0.00	22.24
10.75	0.71	0.00	0.71	13.35	21.18	0.00	21.18
10.80	0.78	0.00	0.78	13.40	20.21	0.00	20.21
10.85	0.87	0.00	0.87	13.45	19.29	0.00	19.29
10.90	0.97	0.00	0.97	13.50	18.44	0.00	18.44
10.95	1.08	0.00	1.08	13.55	17.64	0.00	17.64
11.00	1.20	0.00	1.20	13.60	16.89	0.00	16.89
11.05	1.33	0.00	1.33	13.65	16.17	0.00	16.17
11.10	1.48	0.00	1.48	13.70	15.49	0.00	15.49
11.15	1.64	0.00	1.64	13.75	14.84	0.00	14.84
11.20	1.82	0.00	1.82	13.80	14.25	0.00	14.25
11.25	2.02	0.00	2.02	13.85	13.70	0.00	13.70
11.30	2.26	0.00	2.26	13.90	13.21	0.00	13.21
11.35	2.52	0.00	2.52	13.95	12.77	0.00	12.77
11.40	2.81	0.00	2.81	14.00	12.37	0.00	12.37
11.45	3.12	0.00	3.12	14.05	12.00	0.00	12.00
11.50	3.48	0.00	3.48	14.10	11.67	0.00	11.67
11.55	3.87	0.00	3.87	14.15	11.36	0.00	11.36
11.60	4.35	0.00	4.35	14.20	11.07	0.00	11.07
11.65	4.98	0.00	4.98	14.25	10.79	0.00	10.79
11.70	5.77	0.00	5.77	14.30	10.54	0.00	10.54
11.75	6.76	0.00	6.76	14.35	10.29	0.00	10.29
11.80	7.97	0.00	7.97	14.40	10.05	0.00	10.05
11.85	9.49	0.00	9.49	14.45	9.82	0.00	9.82
11.90	11.43	0.00	11.43	14.50	9.61	0.00	9.61
11.95	14.01	0.00	14.01	14.55	9.40	0.00	9.40
12.00	17.58	0.00	17.58	14.60	9.19	0.00	9.19
12.05	22.80	0.00	22.80	14.65	8.99	0.00	8.99
12.10	30.73	0.00	30.73	14.70	8.79	0.00	8.79
12.15	41.69	0.00	41.69	14.75	8.60	0.00	8.60
12.20	53.68	0.00	53.68	14.80	8.42	0.00	8.42
12.25	63.58	0.00	63.58	14.85	8.24	0.00	8.24
12.30	69.82	0.00	69.82	14.90	8.06	0.00	8.06
12.35	**71.90**	0.00	**71.90**	14.95	7.88	0.00	7.88
12.40	71.08	0.00	71.08	15.00	7.71	0.00	7.71
12.45	68.23	0.00	68.23	15.05	7.53	0.00	7.53
12.50	63.95	0.00	63.95	15.10	7.37	0.00	7.37
12.55	59.08	0.00	59.08	15.15	7.21	0.00	7.21
12.60	54.31	0.00	54.31	15.20	7.05	0.00	7.05
12.65	50.04	0.00	50.04	15.25	6.90	0.00	6.90
12.70	46.11	0.00	46.11	15.30	6.76	0.00	6.76
12.75	42.52	0.00	42.52	15.35	6.63	0.00	6.63
12.80	39.31	0.00	39.31	15.40	6.52	0.00	6.52
12.85	36.52	0.00	36.52	15.45	6.41	0.00	6.41
12.90	34.09	0.00	34.09	15.50	6.31	0.00	6.31
12.95	31.98	0.00	31.98	15.55	6.23	0.00	6.23

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	6.15	0.00	6.15	18.20	3.83	0.00	3.83
15.65	6.08	0.00	6.08	18.25	3.79	0.00	3.79
15.70	6.01	0.00	6.01	18.30	3.76	0.00	3.76
15.75	5.94	0.00	5.94	18.35	3.73	0.00	3.73
15.80	5.88	0.00	5.88	18.40	3.70	0.00	3.70
15.85	5.82	0.00	5.82	18.45	3.68	0.00	3.68
15.90	5.76	0.00	5.76	18.50	3.66	0.00	3.66
15.95	5.70	0.00	5.70	18.55	3.64	0.00	3.64
16.00	5.65	0.00	5.65	18.60	3.62	0.00	3.62
16.05	5.59	0.00	5.59	18.65	3.60	0.00	3.60
16.10	5.54	0.00	5.54	18.70	3.59	0.00	3.59
16.15	5.49	0.00	5.49	18.75	3.57	0.00	3.57
16.20	5.44	0.00	5.44	18.80	3.56	0.00	3.56
16.25	5.39	0.00	5.39	18.85	3.54	0.00	3.54
16.30	5.35	0.00	5.35	18.90	3.53	0.00	3.53
16.35	5.30	0.00	5.30	18.95	3.51	0.00	3.51
16.40	5.26	0.00	5.26	19.00	3.50	0.00	3.50
16.45	5.21	0.00	5.21	19.05	3.49	0.00	3.49
16.50	5.17	0.00	5.17	19.10	3.47	0.00	3.47
16.55	5.12	0.00	5.12	19.15	3.46	0.00	3.46
16.60	5.08	0.00	5.08	19.20	3.45	0.00	3.45
16.65	5.04	0.00	5.04	19.25	3.43	0.00	3.43
16.70	5.00	0.00	5.00	19.30	3.42	0.00	3.42
16.75	4.96	0.00	4.96	19.35	3.41	0.00	3.41
16.80	4.91	0.00	4.91	19.40	3.40	0.00	3.40
16.85	4.87	0.00	4.87	19.45	3.39	0.00	3.39
16.90	4.83	0.00	4.83	19.50	3.37	0.00	3.37
16.95	4.79	0.00	4.79	19.55	3.36	0.00	3.36
17.00	4.75	0.00	4.75	19.60	3.35	0.00	3.35
17.05	4.71	0.00	4.71	19.65	3.34	0.00	3.34
17.10	4.67	0.00	4.67	19.70	3.33	0.00	3.33
17.15	4.63	0.00	4.63	19.75	3.32	0.00	3.32
17.20	4.59	0.00	4.59	19.80	3.31	0.00	3.31
17.25	4.55	0.00	4.55	19.85	3.30	0.00	3.30
17.30	4.51	0.00	4.51	19.90	3.29	0.00	3.29
17.35	4.47	0.00	4.47	19.95	3.28	0.00	3.28
17.40	4.43	0.00	4.43	20.00	3.27	0.00	3.27
17.45	4.39	0.00	4.39	20.05	3.26	0.00	3.26
17.50	4.35	0.00	4.35	20.10	3.25	0.00	3.25
17.55	4.32	0.00	4.32	20.15	3.23	0.00	3.23
17.60	4.28	0.00	4.28	20.20	3.22	0.00	3.22
17.65	4.24	0.00	4.24	20.25	3.21	0.00	3.21
17.70	4.20	0.00	4.20	20.30	3.20	0.00	3.20
17.75	4.16	0.00	4.16	20.35	3.19	0.00	3.19
17.80	4.12	0.00	4.12	20.40	3.18	0.00	3.18
17.85	4.09	0.00	4.09	20.45	3.17	0.00	3.17
17.90	4.05	0.00	4.05	20.50	3.16	0.00	3.16
17.95	4.01	0.00	4.01	20.55	3.15	0.00	3.15
18.00	3.98	0.00	3.98	20.60	3.14	0.00	3.14
18.05	3.94	0.00	3.94	20.65	3.13	0.00	3.13
18.10	3.90	0.00	3.90	20.70	3.12	0.00	3.12
18.15	3.86	0.00	3.86	20.75	3.11	0.00	3.11

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	3.10	0.00	3.10	23.40	2.59	0.00	2.59
20.85	3.09	0.00	3.09	23.45	2.58	0.00	2.58
20.90	3.08	0.00	3.08	23.50	2.57	0.00	2.57
20.95	3.07	0.00	3.07	23.55	2.56	0.00	2.56
21.00	3.06	0.00	3.06	23.60	2.55	0.00	2.55
21.05	3.05	0.00	3.05	23.65	2.54	0.00	2.54
21.10	3.04	0.00	3.04	23.70	2.53	0.00	2.53
21.15	3.03	0.00	3.03	23.75	2.52	0.00	2.52
21.20	3.02	0.00	3.02	23.80	2.52	0.00	2.52
21.25	3.01	0.00	3.01	23.85	2.51	0.00	2.51
21.30	3.00	0.00	3.00	23.90	2.50	0.00	2.50
21.35	2.99	0.00	2.99	23.95	2.49	0.00	2.49
21.40	2.99	0.00	2.99	24.00	2.49	0.00	2.49
21.45	2.98	0.00	2.98	24.05	2.49	0.00	2.49
21.50	2.97	0.00	2.97	24.10	2.47	0.00	2.47
21.55	2.96	0.00	2.96	24.15	2.39	0.00	2.39
21.60	2.95	0.00	2.95	24.20	2.23	0.00	2.23
21.65	2.94	0.00	2.94	24.25	2.04	0.00	2.04
21.70	2.93	0.00	2.93	24.30	1.83	0.00	1.83
21.75	2.92	0.00	2.92	24.35	1.63	0.00	1.63
21.80	2.91	0.00	2.91	24.40	1.44	0.00	1.44
21.85	2.90	0.00	2.90	24.45	1.28	0.00	1.28
21.90	2.89	0.00	2.89	24.50	1.15	0.00	1.15
21.95	2.88	0.00	2.88	24.55	1.05	0.00	1.05
22.00	2.87	0.00	2.87	24.60	0.97	0.00	0.97
22.05	2.86	0.00	2.86	24.65	0.91	0.00	0.91
22.10	2.85	0.00	2.85	24.70	0.86	0.00	0.86
22.15	2.84	0.00	2.84	24.75	0.82	0.00	0.82
22.20	2.83	0.00	2.83	24.80	0.79	0.00	0.79
22.25	2.82	0.00	2.82	24.85	0.77	0.00	0.77
22.30	2.81	0.00	2.81	24.90	0.74	0.00	0.74
22.35	2.80	0.00	2.80	24.95	0.72	0.00	0.72
22.40	2.79	0.00	2.79	25.00	0.71	0.00	0.71
22.45	2.78	0.00	2.78	25.05	0.69	0.00	0.69
22.50	2.77	0.00	2.77	25.10	0.68	0.00	0.68
22.55	2.76	0.00	2.76	25.15	0.66	0.00	0.66
22.60	2.75	0.00	2.75	25.20	0.65	0.00	0.65
22.65	2.74	0.00	2.74	25.25	0.64	0.00	0.64
22.70	2.73	0.00	2.73	25.30	0.63	0.00	0.63
22.75	2.72	0.00	2.72	25.35	0.62	0.00	0.62
22.80	2.71	0.00	2.71	25.40	0.61	0.00	0.61
22.85	2.70	0.00	2.70	25.45	0.60	0.00	0.60
22.90	2.69	0.00	2.69	25.50	0.59	0.00	0.59
22.95	2.68	0.00	2.68	25.55	0.58	0.00	0.58
23.00	2.67	0.00	2.67	25.60	0.57	0.00	0.57
23.05	2.66	0.00	2.66	25.65	0.56	0.00	0.56
23.10	2.65	0.00	2.65	25.70	0.55	0.00	0.55
23.15	2.64	0.00	2.64	25.75	0.55	0.00	0.55
23.20	2.63	0.00	2.63	25.80	0.54	0.00	0.54
23.25	2.62	0.00	2.62	25.85	0.53	0.00	0.53
23.30	2.61	0.00	2.61	25.90	0.52	0.00	0.52
23.35	2.60	0.00	2.60	25.95	0.51	0.00	0.51

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.51	0.00	0.51	28.60	0.28	0.00	0.28
26.05	0.50	0.00	0.50	28.65	0.28	0.00	0.28
26.10	0.49	0.00	0.49	28.70	0.28	0.00	0.28
26.15	0.49	0.00	0.49	28.75	0.28	0.00	0.28
26.20	0.48	0.00	0.48	28.80	0.27	0.00	0.27
26.25	0.47	0.00	0.47	28.85	0.27	0.00	0.27
26.30	0.47	0.00	0.47	28.90	0.27	0.00	0.27
26.35	0.46	0.00	0.46	28.95	0.27	0.00	0.27
26.40	0.46	0.00	0.46	29.00	0.27	0.00	0.27
26.45	0.45	0.00	0.45	29.05	0.26	0.00	0.26
26.50	0.45	0.00	0.45	29.10	0.26	0.00	0.26
26.55	0.44	0.00	0.44	29.15	0.26	0.00	0.26
26.60	0.44	0.00	0.44	29.20	0.26	0.00	0.26
26.65	0.43	0.00	0.43	29.25	0.25	0.00	0.25
26.70	0.43	0.00	0.43	29.30	0.25	0.00	0.25
26.75	0.42	0.00	0.42	29.35	0.25	0.00	0.25
26.80	0.42	0.00	0.42	29.40	0.25	0.00	0.25
26.85	0.41	0.00	0.41	29.45	0.25	0.00	0.25
26.90	0.41	0.00	0.41	29.50	0.25	0.00	0.25
26.95	0.40	0.00	0.40	29.55	0.24	0.00	0.24
27.00	0.40	0.00	0.40	29.60	0.24	0.00	0.24
27.05	0.39	0.00	0.39	29.65	0.24	0.00	0.24
27.10	0.39	0.00	0.39	29.70	0.24	0.00	0.24
27.15	0.38	0.00	0.38	29.75	0.24	0.00	0.24
27.20	0.38	0.00	0.38	29.80	0.23	0.00	0.23
27.25	0.38	0.00	0.38	29.85	0.23	0.00	0.23
27.30	0.37	0.00	0.37	29.90	0.23	0.00	0.23
27.35	0.37	0.00	0.37	29.95	0.23	0.00	0.23
27.40	0.36	0.00	0.36	30.00	0.23	0.00	0.23
27.45	0.36	0.00	0.36	30.05	0.23	0.00	0.23
27.50	0.36	0.00	0.36	30.10	0.22	0.00	0.22
27.55	0.35	0.00	0.35	30.15	0.22	0.00	0.22
27.60	0.35	0.00	0.35	30.20	0.22	0.00	0.22
27.65	0.34	0.00	0.34	30.25	0.22	0.00	0.22
27.70	0.34	0.00	0.34	30.30	0.22	0.00	0.22
27.75	0.34	0.00	0.34	30.35	0.21	0.00	0.21
27.80	0.33	0.00	0.33	30.40	0.21	0.00	0.21
27.85	0.33	0.00	0.33	30.45	0.21	0.00	0.21
27.90	0.33	0.00	0.33	30.50	0.21	0.00	0.21
27.95	0.32	0.00	0.32	30.55	0.21	0.00	0.21
28.00	0.32	0.00	0.32	30.60	0.21	0.00	0.21
28.05	0.32	0.00	0.32	30.65	0.21	0.00	0.21
28.10	0.31	0.00	0.31	30.70	0.20	0.00	0.20
28.15	0.31	0.00	0.31	30.75	0.20	0.00	0.20
28.20	0.31	0.00	0.31	30.80	0.20	0.00	0.20
28.25	0.30	0.00	0.30	30.85	0.20	0.00	0.20
28.30	0.30	0.00	0.30	30.90	0.20	0.00	0.20
28.35	0.30	0.00	0.30	30.95	0.20	0.00	0.20
28.40	0.29	0.00	0.29	31.00	0.20	0.00	0.20
28.45	0.29	0.00	0.29	31.05	0.19	0.00	0.19
28.50	0.29	0.00	0.29	31.10	0.19	0.00	0.19
28.55	0.28	0.00	0.28	31.15	0.19	0.00	0.19

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.19	0.00	0.19	33.80	0.14	0.00	0.14
31.25	0.19	0.00	0.19	33.85	0.14	0.00	0.14
31.30	0.19	0.00	0.19	33.90	0.14	0.00	0.14
31.35	0.19	0.00	0.19	33.95	0.14	0.00	0.14
31.40	0.18	0.00	0.18	34.00	0.13	0.00	0.13
31.45	0.18	0.00	0.18	34.05	0.13	0.00	0.13
31.50	0.18	0.00	0.18	34.10	0.13	0.00	0.13
31.55	0.18	0.00	0.18	34.15	0.13	0.00	0.13
31.60	0.18	0.00	0.18	34.20	0.13	0.00	0.13
31.65	0.18	0.00	0.18	34.25	0.13	0.00	0.13
31.70	0.18	0.00	0.18	34.30	0.13	0.00	0.13
31.75	0.18	0.00	0.18	34.35	0.13	0.00	0.13
31.80	0.18	0.00	0.18	34.40	0.13	0.00	0.13
31.85	0.17	0.00	0.17	34.45	0.13	0.00	0.13
31.90	0.17	0.00	0.17	34.50	0.13	0.00	0.13
31.95	0.17	0.00	0.17	34.55	0.13	0.00	0.13
32.00	0.17	0.00	0.17	34.60	0.13	0.00	0.13
32.05	0.17	0.00	0.17	34.65	0.12	0.00	0.12
32.10	0.17	0.00	0.17	34.70	0.12	0.00	0.12
32.15	0.17	0.00	0.17	34.75	0.12	0.00	0.12
32.20	0.17	0.00	0.17	34.80	0.12	0.00	0.12
32.25	0.17	0.00	0.17	34.85	0.12	0.00	0.12
32.30	0.16	0.00	0.16	34.90	0.12	0.00	0.12
32.35	0.16	0.00	0.16	34.95	0.12	0.00	0.12
32.40	0.16	0.00	0.16	35.00	0.12	0.00	0.12
32.45	0.16	0.00	0.16	35.05	0.12	0.00	0.12
32.50	0.16	0.00	0.16	35.10	0.12	0.00	0.12
32.55	0.16	0.00	0.16	35.15	0.12	0.00	0.12
32.60	0.16	0.00	0.16	35.20	0.12	0.00	0.12
32.65	0.16	0.00	0.16	35.25	0.12	0.00	0.12
32.70	0.16	0.00	0.16	35.30	0.12	0.00	0.12
32.75	0.16	0.00	0.16	35.35	0.12	0.00	0.12
32.80	0.16	0.00	0.16	35.40	0.11	0.00	0.11
32.85	0.15	0.00	0.15	35.45	0.11	0.00	0.11
32.90	0.15	0.00	0.15	35.50	0.11	0.00	0.11
32.95	0.15	0.00	0.15	35.55	0.11	0.00	0.11
33.00	0.15	0.00	0.15	35.60	0.11	0.00	0.11
33.05	0.15	0.00	0.15	35.65	0.11	0.00	0.11
33.10	0.15	0.00	0.15	35.70	0.11	0.00	0.11
33.15	0.15	0.00	0.15	35.75	0.11	0.00	0.11
33.20	0.15	0.00	0.15	35.80	0.11	0.00	0.11
33.25	0.15	0.00	0.15	35.85	0.11	0.00	0.11
33.30	0.15	0.00	0.15	35.90	0.11	0.00	0.11
33.35	0.15	0.00	0.15	35.95	0.11	0.00	0.11
33.40	0.14	0.00	0.14	36.00	0.11	0.00	0.11
33.45	0.14	0.00	0.14	36.05	0.11	0.00	0.11
33.50	0.14	0.00	0.14	36.10	0.11	0.00	0.11
33.55	0.14	0.00	0.14	36.15	0.11	0.00	0.11
33.60	0.14	0.00	0.14	36.20	0.11	0.00	0.11
33.65	0.14	0.00	0.14	36.25	0.11	0.00	0.11
33.70	0.14	0.00	0.14	36.30	0.11	0.00	0.11
33.75	0.14	0.00	0.14	36.35	0.11	0.00	0.11

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

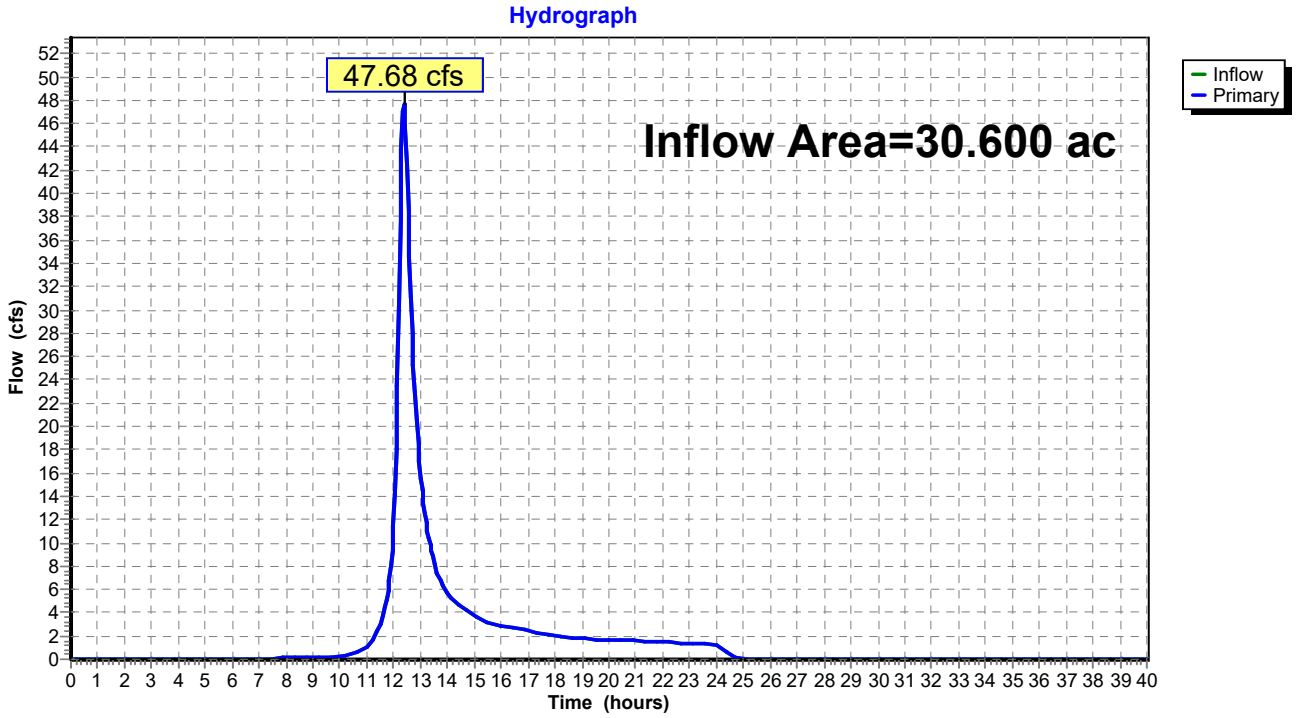
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.11	0.00	0.11
36.45	0.10	0.00	0.10
36.50	0.10	0.00	0.10
36.55	0.10	0.00	0.10
36.60	0.10	0.00	0.10
36.65	0.10	0.00	0.10
36.70	0.10	0.00	0.10
36.75	0.10	0.00	0.10
36.80	0.10	0.00	0.10
36.85	0.10	0.00	0.10
36.90	0.10	0.00	0.10
36.95	0.10	0.00	0.10
37.00	0.10	0.00	0.10
37.05	0.10	0.00	0.10
37.10	0.10	0.00	0.10
37.15	0.10	0.00	0.10
37.20	0.10	0.00	0.10
37.25	0.10	0.00	0.10
37.30	0.10	0.00	0.10
37.35	0.10	0.00	0.10
37.40	0.10	0.00	0.10
37.45	0.10	0.00	0.10
37.50	0.09	0.00	0.09
37.55	0.09	0.00	0.09
37.60	0.09	0.00	0.09
37.65	0.09	0.00	0.09
37.70	0.09	0.00	0.09
37.75	0.09	0.00	0.09
37.80	0.09	0.00	0.09
37.85	0.09	0.00	0.09
37.90	0.09	0.00	0.09
37.95	0.09	0.00	0.09
38.00	0.09	0.00	0.09
38.05	0.09	0.00	0.09
38.10	0.09	0.00	0.09
38.15	0.09	0.00	0.09
38.20	0.09	0.00	0.09
38.25	0.09	0.00	0.09
38.30	0.09	0.00	0.09
38.35	0.09	0.00	0.09
38.40	0.09	0.00	0.09
38.45	0.09	0.00	0.09
38.50	0.09	0.00	0.09
38.55	0.08	0.00	0.08
38.60	0.08	0.00	0.08
38.65	0.08	0.00	0.08
38.70	0.08	0.00	0.08
38.75	0.08	0.00	0.08
38.80	0.08	0.00	0.08
38.85	0.08	0.00	0.08
38.90	0.08	0.00	0.08
38.95	0.08	0.00	0.08
39.00	0.08	0.00	0.08
39.05	0.08	0.00	0.08
39.10	0.08	0.00	0.08
39.15	0.08	0.00	0.08
39.20	0.08	0.00	0.08
39.25	0.08	0.00	0.08
39.30	0.08	0.00	0.08
39.35	0.08	0.00	0.08
39.40	0.08	0.00	0.08
39.45	0.08	0.00	0.08
39.50	0.08	0.00	0.08
39.55	0.07	0.00	0.07
39.60	0.07	0.00	0.07
39.65	0.07	0.00	0.07
39.70	0.07	0.00	0.07
39.75	0.07	0.00	0.07
39.80	0.07	0.00	0.07
39.85	0.07	0.00	0.07
39.90	0.07	0.00	0.07
39.95	0.07	0.00	0.07
40.00	0.07	0.00	0.07

Summary for Link PDA-6OF: Proposed Offsite Drainage Area #6

Inflow Area = 30.600 ac, 2.48% Impervious, Inflow Depth = 2.16" for Current 10 yr event
Inflow = 47.68 cfs @ 12.39 hrs, Volume= 5.499 af
Primary = 47.68 cfs @ 12.39 hrs, Volume= 5.499 af, Atten= 0%, Lag= 0.0 min
Routed to Link PDA-6 : Proposed Drainage Area #6

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link PDA-6OF: Proposed Offsite Drainage Area #6



Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.02	0.00	0.02
0.05	0.00	0.00	0.00	2.65	0.02	0.00	0.02
0.10	0.00	0.00	0.00	2.70	0.03	0.00	0.03
0.15	0.00	0.00	0.00	2.75	0.03	0.00	0.03
0.20	0.00	0.00	0.00	2.80	0.03	0.00	0.03
0.25	0.00	0.00	0.00	2.85	0.03	0.00	0.03
0.30	0.00	0.00	0.00	2.90	0.03	0.00	0.03
0.35	0.00	0.00	0.00	2.95	0.03	0.00	0.03
0.40	0.00	0.00	0.00	3.00	0.03	0.00	0.03
0.45	0.00	0.00	0.00	3.05	0.03	0.00	0.03
0.50	0.00	0.00	0.00	3.10	0.03	0.00	0.03
0.55	0.00	0.00	0.00	3.15	0.03	0.00	0.03
0.60	0.00	0.00	0.00	3.20	0.03	0.00	0.03
0.65	0.00	0.00	0.00	3.25	0.03	0.00	0.03
0.70	0.00	0.00	0.00	3.30	0.03	0.00	0.03
0.75	0.00	0.00	0.00	3.35	0.03	0.00	0.03
0.80	0.00	0.00	0.00	3.40	0.03	0.00	0.03
0.85	0.00	0.00	0.00	3.45	0.03	0.00	0.03
0.90	0.00	0.00	0.00	3.50	0.03	0.00	0.03
0.95	0.00	0.00	0.00	3.55	0.03	0.00	0.03
1.00	0.00	0.00	0.00	3.60	0.03	0.00	0.03
1.05	0.00	0.00	0.00	3.65	0.04	0.00	0.04
1.10	0.00	0.00	0.00	3.70	0.04	0.00	0.04
1.15	0.00	0.00	0.00	3.75	0.04	0.00	0.04
1.20	0.00	0.00	0.00	3.80	0.04	0.00	0.04
1.25	0.00	0.00	0.00	3.85	0.04	0.00	0.04
1.30	0.00	0.00	0.00	3.90	0.04	0.00	0.04
1.35	0.00	0.00	0.00	3.95	0.04	0.00	0.04
1.40	0.01	0.00	0.01	4.00	0.04	0.00	0.04
1.45	0.01	0.00	0.01	4.05	0.04	0.00	0.04
1.50	0.01	0.00	0.01	4.10	0.04	0.00	0.04
1.55	0.01	0.00	0.01	4.15	0.04	0.00	0.04
1.60	0.01	0.00	0.01	4.20	0.04	0.00	0.04
1.65	0.01	0.00	0.01	4.25	0.04	0.00	0.04
1.70	0.01	0.00	0.01	4.30	0.04	0.00	0.04
1.75	0.01	0.00	0.01	4.35	0.04	0.00	0.04
1.80	0.01	0.00	0.01	4.40	0.04	0.00	0.04
1.85	0.01	0.00	0.01	4.45	0.04	0.00	0.04
1.90	0.01	0.00	0.01	4.50	0.04	0.00	0.04
1.95	0.02	0.00	0.02	4.55	0.04	0.00	0.04
2.00	0.02	0.00	0.02	4.60	0.04	0.00	0.04
2.05	0.02	0.00	0.02	4.65	0.04	0.00	0.04
2.10	0.02	0.00	0.02	4.70	0.04	0.00	0.04
2.15	0.02	0.00	0.02	4.75	0.04	0.00	0.04
2.20	0.02	0.00	0.02	4.80	0.04	0.00	0.04
2.25	0.02	0.00	0.02	4.85	0.04	0.00	0.04
2.30	0.02	0.00	0.02	4.90	0.05	0.00	0.05
2.35	0.02	0.00	0.02	4.95	0.05	0.00	0.05
2.40	0.02	0.00	0.02	5.00	0.05	0.00	0.05
2.45	0.02	0.00	0.02	5.05	0.05	0.00	0.05
2.50	0.02	0.00	0.02	5.10	0.05	0.00	0.05
2.55	0.02	0.00	0.02	5.15	0.05	0.00	0.05

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.05	0.00	0.05	7.80	0.08	0.00	0.08
5.25	0.05	0.00	0.05	7.85	0.08	0.00	0.08
5.30	0.05	0.00	0.05	7.90	0.08	0.00	0.08
5.35	0.05	0.00	0.05	7.95	0.08	0.00	0.08
5.40	0.05	0.00	0.05	8.00	0.08	0.00	0.08
5.45	0.05	0.00	0.05	8.05	0.08	0.00	0.08
5.50	0.05	0.00	0.05	8.10	0.08	0.00	0.08
5.55	0.05	0.00	0.05	8.15	0.08	0.00	0.08
5.60	0.05	0.00	0.05	8.20	0.08	0.00	0.08
5.65	0.05	0.00	0.05	8.25	0.09	0.00	0.09
5.70	0.05	0.00	0.05	8.30	0.09	0.00	0.09
5.75	0.05	0.00	0.05	8.35	0.09	0.00	0.09
5.80	0.05	0.00	0.05	8.40	0.09	0.00	0.09
5.85	0.05	0.00	0.05	8.45	0.09	0.00	0.09
5.90	0.05	0.00	0.05	8.50	0.09	0.00	0.09
5.95	0.05	0.00	0.05	8.55	0.09	0.00	0.09
6.00	0.05	0.00	0.05	8.60	0.09	0.00	0.09
6.05	0.05	0.00	0.05	8.65	0.09	0.00	0.09
6.10	0.05	0.00	0.05	8.70	0.09	0.00	0.09
6.15	0.05	0.00	0.05	8.75	0.09	0.00	0.09
6.20	0.05	0.00	0.05	8.80	0.09	0.00	0.09
6.25	0.05	0.00	0.05	8.85	0.09	0.00	0.09
6.30	0.05	0.00	0.05	8.90	0.10	0.00	0.10
6.35	0.05	0.00	0.05	8.95	0.10	0.00	0.10
6.40	0.06	0.00	0.06	9.00	0.10	0.00	0.10
6.45	0.06	0.00	0.06	9.05	0.10	0.00	0.10
6.50	0.06	0.00	0.06	9.10	0.10	0.00	0.10
6.55	0.06	0.00	0.06	9.15	0.10	0.00	0.10
6.60	0.06	0.00	0.06	9.20	0.10	0.00	0.10
6.65	0.06	0.00	0.06	9.25	0.10	0.00	0.10
6.70	0.06	0.00	0.06	9.30	0.10	0.00	0.10
6.75	0.06	0.00	0.06	9.35	0.11	0.00	0.11
6.80	0.06	0.00	0.06	9.40	0.11	0.00	0.11
6.85	0.06	0.00	0.06	9.45	0.11	0.00	0.11
6.90	0.06	0.00	0.06	9.50	0.11	0.00	0.11
6.95	0.06	0.00	0.06	9.55	0.12	0.00	0.12
7.00	0.06	0.00	0.06	9.60	0.12	0.00	0.12
7.05	0.07	0.00	0.07	9.65	0.12	0.00	0.12
7.10	0.07	0.00	0.07	9.70	0.12	0.00	0.12
7.15	0.07	0.00	0.07	9.75	0.13	0.00	0.13
7.20	0.07	0.00	0.07	9.80	0.13	0.00	0.13
7.25	0.07	0.00	0.07	9.85	0.13	0.00	0.13
7.30	0.07	0.00	0.07	9.90	0.14	0.00	0.14
7.35	0.07	0.00	0.07	9.95	0.15	0.00	0.15
7.40	0.07	0.00	0.07	10.00	0.16	0.00	0.16
7.45	0.07	0.00	0.07	10.05	0.18	0.00	0.18
7.50	0.07	0.00	0.07	10.10	0.20	0.00	0.20
7.55	0.07	0.00	0.07	10.15	0.22	0.00	0.22
7.60	0.07	0.00	0.07	10.20	0.25	0.00	0.25
7.65	0.08	0.00	0.08	10.25	0.28	0.00	0.28
7.70	0.08	0.00	0.08	10.30	0.31	0.00	0.31
7.75	0.08	0.00	0.08	10.35	0.34	0.00	0.34

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.38	0.00	0.38	13.00	15.55	0.00	15.55
10.45	0.42	0.00	0.42	13.05	14.40	0.00	14.40
10.50	0.46	0.00	0.46	13.10	13.41	0.00	13.41
10.55	0.50	0.00	0.50	13.15	12.54	0.00	12.54
10.60	0.55	0.00	0.55	13.20	11.75	0.00	11.75
10.65	0.60	0.00	0.60	13.25	11.04	0.00	11.04
10.70	0.65	0.00	0.65	13.30	10.40	0.00	10.40
10.75	0.71	0.00	0.71	13.35	9.82	0.00	9.82
10.80	0.77	0.00	0.77	13.40	9.29	0.00	9.29
10.85	0.85	0.00	0.85	13.45	8.81	0.00	8.81
10.90	0.93	0.00	0.93	13.50	8.37	0.00	8.37
10.95	1.02	0.00	1.02	13.55	7.98	0.00	7.98
11.00	1.12	0.00	1.12	13.60	7.61	0.00	7.61
11.05	1.23	0.00	1.23	13.65	7.28	0.00	7.28
11.10	1.35	0.00	1.35	13.70	6.95	0.00	6.95
11.15	1.48	0.00	1.48	13.75	6.65	0.00	6.65
11.20	1.62	0.00	1.62	13.80	6.37	0.00	6.37
11.25	1.79	0.00	1.79	13.85	6.12	0.00	6.12
11.30	1.97	0.00	1.97	13.90	5.90	0.00	5.90
11.35	2.17	0.00	2.17	13.95	5.72	0.00	5.72
11.40	2.39	0.00	2.39	14.00	5.56	0.00	5.56
11.45	2.64	0.00	2.64	14.05	5.42	0.00	5.42
11.50	2.90	0.00	2.90	14.10	5.30	0.00	5.30
11.55	3.19	0.00	3.19	14.15	5.19	0.00	5.19
11.60	3.52	0.00	3.52	14.20	5.09	0.00	5.09
11.65	3.93	0.00	3.93	14.25	5.00	0.00	5.00
11.70	4.44	0.00	4.44	14.30	4.91	0.00	4.91
11.75	5.08	0.00	5.08	14.35	4.82	0.00	4.82
11.80	5.85	0.00	5.85	14.40	4.74	0.00	4.74
11.85	6.78	0.00	6.78	14.45	4.66	0.00	4.66
11.90	7.92	0.00	7.92	14.50	4.58	0.00	4.58
11.95	9.39	0.00	9.39	14.55	4.50	0.00	4.50
12.00	11.37	0.00	11.37	14.60	4.42	0.00	4.42
12.05	14.08	0.00	14.08	14.65	4.34	0.00	4.34
12.10	18.02	0.00	18.02	14.70	4.27	0.00	4.27
12.15	23.53	0.00	23.53	14.75	4.19	0.00	4.19
12.20	30.42	0.00	30.42	14.80	4.11	0.00	4.11
12.25	37.68	0.00	37.68	14.85	4.03	0.00	4.03
12.30	43.74	0.00	43.74	14.90	3.95	0.00	3.95
12.35	47.09	0.00	47.09	14.95	3.88	0.00	3.88
12.40	**47.60**	0.00	**47.60**	15.00	3.80	0.00	3.80
12.45	45.91	0.00	45.91	15.05	3.72	0.00	3.72
12.50	42.63	0.00	42.63	15.10	3.64	0.00	3.64
12.55	38.56	0.00	38.56	15.15	3.57	0.00	3.57
12.60	34.54	0.00	34.54	15.20	3.49	0.00	3.49
12.65	31.07	0.00	31.07	15.25	3.41	0.00	3.41
12.70	28.00	0.00	28.00	15.30	3.34	0.00	3.34
12.75	25.20	0.00	25.20	15.35	3.28	0.00	3.28
12.80	22.68	0.00	22.68	15.40	3.22	0.00	3.22
12.85	20.48	0.00	20.48	15.45	3.17	0.00	3.17
12.90	18.57	0.00	18.57	15.50	3.13	0.00	3.13
12.95	16.93	0.00	16.93	15.55	3.09	0.00	3.09

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	3.06	0.00	3.06	18.20	1.94	0.00	1.94
15.65	3.03	0.00	3.03	18.25	1.92	0.00	1.92
15.70	3.01	0.00	3.01	18.30	1.90	0.00	1.90
15.75	2.98	0.00	2.98	18.35	1.89	0.00	1.89
15.80	2.96	0.00	2.96	18.40	1.87	0.00	1.87
15.85	2.93	0.00	2.93	18.45	1.86	0.00	1.86
15.90	2.91	0.00	2.91	18.50	1.85	0.00	1.85
15.95	2.89	0.00	2.89	18.55	1.84	0.00	1.84
16.00	2.87	0.00	2.87	18.60	1.83	0.00	1.83
16.05	2.85	0.00	2.85	18.65	1.82	0.00	1.82
16.10	2.83	0.00	2.83	18.70	1.81	0.00	1.81
16.15	2.81	0.00	2.81	18.75	1.81	0.00	1.81
16.20	2.79	0.00	2.79	18.80	1.80	0.00	1.80
16.25	2.77	0.00	2.77	18.85	1.79	0.00	1.79
16.30	2.75	0.00	2.75	18.90	1.79	0.00	1.79
16.35	2.73	0.00	2.73	18.95	1.78	0.00	1.78
16.40	2.71	0.00	2.71	19.00	1.78	0.00	1.78
16.45	2.68	0.00	2.68	19.05	1.77	0.00	1.77
16.50	2.66	0.00	2.66	19.10	1.77	0.00	1.77
16.55	2.64	0.00	2.64	19.15	1.76	0.00	1.76
16.60	2.62	0.00	2.62	19.20	1.76	0.00	1.76
16.65	2.60	0.00	2.60	19.25	1.75	0.00	1.75
16.70	2.58	0.00	2.58	19.30	1.75	0.00	1.75
16.75	2.56	0.00	2.56	19.35	1.74	0.00	1.74
16.80	2.54	0.00	2.54	19.40	1.74	0.00	1.74
16.85	2.52	0.00	2.52	19.45	1.73	0.00	1.73
16.90	2.50	0.00	2.50	19.50	1.72	0.00	1.72
16.95	2.48	0.00	2.48	19.55	1.72	0.00	1.72
17.00	2.45	0.00	2.45	19.60	1.71	0.00	1.71
17.05	2.43	0.00	2.43	19.65	1.71	0.00	1.71
17.10	2.41	0.00	2.41	19.70	1.70	0.00	1.70
17.15	2.39	0.00	2.39	19.75	1.70	0.00	1.70
17.20	2.37	0.00	2.37	19.80	1.69	0.00	1.69
17.25	2.35	0.00	2.35	19.85	1.69	0.00	1.69
17.30	2.33	0.00	2.33	19.90	1.68	0.00	1.68
17.35	2.31	0.00	2.31	19.95	1.68	0.00	1.68
17.40	2.29	0.00	2.29	20.00	1.68	0.00	1.68
17.45	2.27	0.00	2.27	20.05	1.67	0.00	1.67
17.50	2.24	0.00	2.24	20.10	1.67	0.00	1.67
17.55	2.22	0.00	2.22	20.15	1.66	0.00	1.66
17.60	2.20	0.00	2.20	20.20	1.65	0.00	1.65
17.65	2.18	0.00	2.18	20.25	1.65	0.00	1.65
17.70	2.16	0.00	2.16	20.30	1.64	0.00	1.64
17.75	2.14	0.00	2.14	20.35	1.64	0.00	1.64
17.80	2.12	0.00	2.12	20.40	1.63	0.00	1.63
17.85	2.09	0.00	2.09	20.45	1.63	0.00	1.63
17.90	2.07	0.00	2.07	20.50	1.62	0.00	1.62
17.95	2.05	0.00	2.05	20.55	1.62	0.00	1.62
18.00	2.03	0.00	2.03	20.60	1.61	0.00	1.61
18.05	2.01	0.00	2.01	20.65	1.61	0.00	1.61
18.10	1.99	0.00	1.99	20.70	1.60	0.00	1.60
18.15	1.96	0.00	1.96	20.75	1.60	0.00	1.60

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	1.59	0.00	1.59	23.40	1.31	0.00	1.31
20.85	1.59	0.00	1.59	23.45	1.30	0.00	1.30
20.90	1.58	0.00	1.58	23.50	1.30	0.00	1.30
20.95	1.58	0.00	1.58	23.55	1.29	0.00	1.29
21.00	1.57	0.00	1.57	23.60	1.29	0.00	1.29
21.05	1.56	0.00	1.56	23.65	1.28	0.00	1.28
21.10	1.56	0.00	1.56	23.70	1.28	0.00	1.28
21.15	1.55	0.00	1.55	23.75	1.27	0.00	1.27
21.20	1.55	0.00	1.55	23.80	1.27	0.00	1.27
21.25	1.54	0.00	1.54	23.85	1.26	0.00	1.26
21.30	1.54	0.00	1.54	23.90	1.25	0.00	1.25
21.35	1.53	0.00	1.53	23.95	1.25	0.00	1.25
21.40	1.53	0.00	1.53	24.00	1.25	0.00	1.25
21.45	1.52	0.00	1.52	24.05	1.25	0.00	1.25
21.50	1.52	0.00	1.52	24.10	1.25	0.00	1.25
21.55	1.51	0.00	1.51	24.15	1.22	0.00	1.22
21.60	1.51	0.00	1.51	24.20	1.16	0.00	1.16
21.65	1.50	0.00	1.50	24.25	1.05	0.00	1.05
21.70	1.50	0.00	1.50	24.30	0.90	0.00	0.90
21.75	1.49	0.00	1.49	24.35	0.74	0.00	0.74
21.80	1.48	0.00	1.48	24.40	0.58	0.00	0.58
21.85	1.48	0.00	1.48	24.45	0.44	0.00	0.44
21.90	1.47	0.00	1.47	24.50	0.33	0.00	0.33
21.95	1.47	0.00	1.47	24.55	0.25	0.00	0.25
22.00	1.46	0.00	1.46	24.60	0.19	0.00	0.19
22.05	1.46	0.00	1.46	24.65	0.14	0.00	0.14
22.10	1.45	0.00	1.45	24.70	0.11	0.00	0.11
22.15	1.45	0.00	1.45	24.75	0.08	0.00	0.08
22.20	1.44	0.00	1.44	24.80	0.06	0.00	0.06
22.25	1.44	0.00	1.44	24.85	0.05	0.00	0.05
22.30	1.43	0.00	1.43	24.90	0.03	0.00	0.03
22.35	1.43	0.00	1.43	24.95	0.03	0.00	0.03
22.40	1.42	0.00	1.42	25.00	0.02	0.00	0.02
22.45	1.41	0.00	1.41	25.05	0.01	0.00	0.01
22.50	1.41	0.00	1.41	25.10	0.01	0.00	0.01
22.55	1.40	0.00	1.40	25.15	0.01	0.00	0.01
22.60	1.40	0.00	1.40	25.20	0.01	0.00	0.01
22.65	1.39	0.00	1.39	25.25	0.00	0.00	0.00
22.70	1.39	0.00	1.39	25.30	0.00	0.00	0.00
22.75	1.38	0.00	1.38	25.35	0.00	0.00	0.00
22.80	1.38	0.00	1.38	25.40	0.00	0.00	0.00
22.85	1.37	0.00	1.37	25.45	0.00	0.00	0.00
22.90	1.37	0.00	1.37	25.50	0.00	0.00	0.00
22.95	1.36	0.00	1.36	25.55	0.00	0.00	0.00
23.00	1.35	0.00	1.35	25.60	0.00	0.00	0.00
23.05	1.35	0.00	1.35	25.65	0.00	0.00	0.00
23.10	1.34	0.00	1.34	25.70	0.00	0.00	0.00
23.15	1.34	0.00	1.34	25.75	0.00	0.00	0.00
23.20	1.33	0.00	1.33	25.80	0.00	0.00	0.00
23.25	1.33	0.00	1.33	25.85	0.00	0.00	0.00
23.30	1.32	0.00	1.32	25.90	0.00	0.00	0.00
23.35	1.31	0.00	1.31	25.95	0.00	0.00	0.00

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

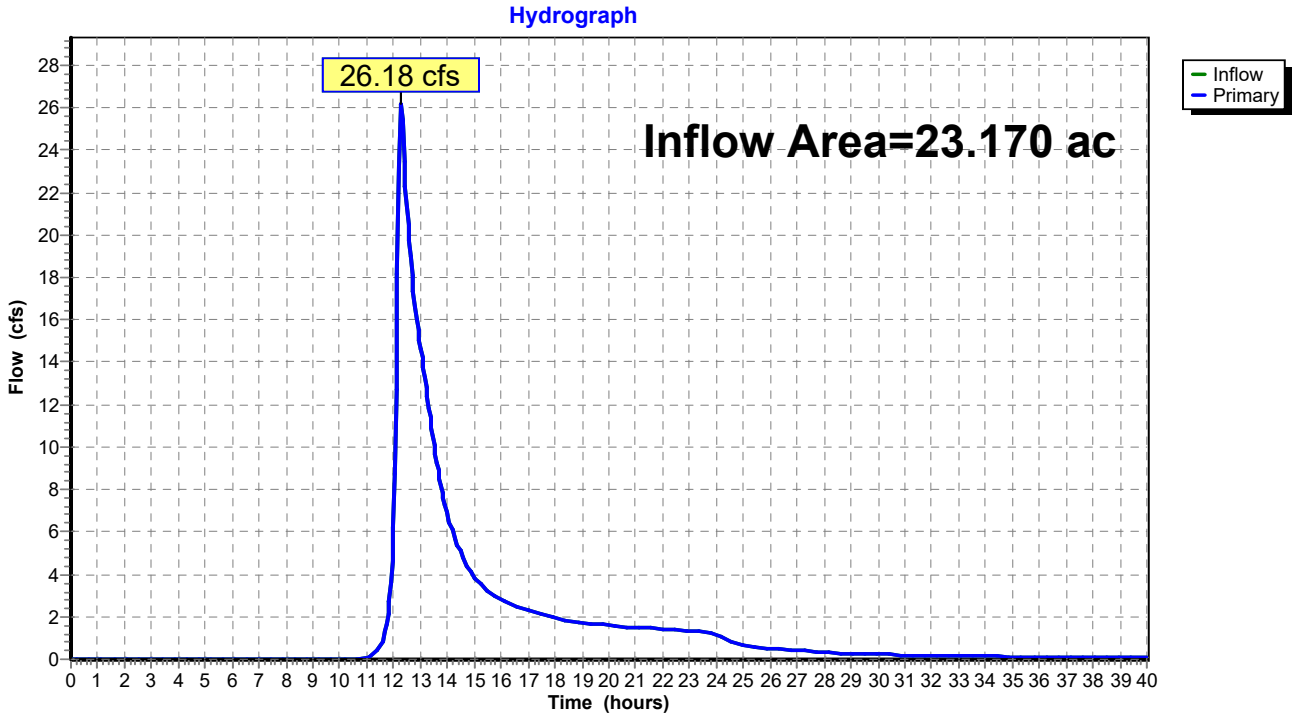
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link PDA-6ON: Proposed Onsite Drainage Area #6

Inflow Area = 23.170 ac, 25.64% Impervious, Inflow Depth > 2.42" for Current 10 yr event
Inflow = 26.18 cfs @ 12.28 hrs, Volume= 4.671 af
Primary = 26.18 cfs @ 12.28 hrs, Volume= 4.671 af, Atten= 0%, Lag= 0.0 min
Routed to Link PDA-6 : Proposed Drainage Area #6

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link PDA-6ON: Proposed Onsite Drainage Area #6



Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.00	0.00	0.00
7.40	0.00	0.00	0.00	10.00	0.00	0.00	0.00
7.45	0.00	0.00	0.00	10.05	0.00	0.00	0.00
7.50	0.00	0.00	0.00	10.10	0.00	0.00	0.00
7.55	0.00	0.00	0.00	10.15	0.00	0.00	0.00
7.60	0.00	0.00	0.00	10.20	0.00	0.00	0.00
7.65	0.00	0.00	0.00	10.25	0.00	0.00	0.00
7.70	0.00	0.00	0.00	10.30	0.00	0.00	0.00
7.75	0.00	0.00	0.00	10.35	0.00	0.00	0.00

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.00	0.00	0.00	13.00	14.60	0.00	14.60
10.45	0.00	0.00	0.00	13.05	14.16	0.00	14.16
10.50	0.00	0.00	0.00	13.10	13.74	0.00	13.74
10.55	0.00	0.00	0.00	13.15	13.28	0.00	13.28
10.60	0.00	0.00	0.00	13.20	12.83	0.00	12.83
10.65	0.00	0.00	0.00	13.25	12.35	0.00	12.35
10.70	0.00	0.00	0.00	13.30	11.84	0.00	11.84
10.75	0.00	0.00	0.00	13.35	11.36	0.00	11.36
10.80	0.01	0.00	0.01	13.40	10.92	0.00	10.92
10.85	0.02	0.00	0.02	13.45	10.48	0.00	10.48
10.90	0.03	0.00	0.03	13.50	10.07	0.00	10.07
10.95	0.05	0.00	0.05	13.55	9.67	0.00	9.67
11.00	0.07	0.00	0.07	13.60	9.28	0.00	9.28
11.05	0.10	0.00	0.10	13.65	8.90	0.00	8.90
11.10	0.12	0.00	0.12	13.70	8.53	0.00	8.53
11.15	0.16	0.00	0.16	13.75	8.19	0.00	8.19
11.20	0.19	0.00	0.19	13.80	7.88	0.00	7.88
11.25	0.24	0.00	0.24	13.85	7.58	0.00	7.58
11.30	0.29	0.00	0.29	13.90	7.31	0.00	7.31
11.35	0.35	0.00	0.35	13.95	7.05	0.00	7.05
11.40	0.41	0.00	0.41	14.00	6.81	0.00	6.81
11.45	0.48	0.00	0.48	14.05	6.58	0.00	6.58
11.50	0.57	0.00	0.57	14.10	6.37	0.00	6.37
11.55	0.68	0.00	0.68	14.15	6.17	0.00	6.17
11.60	0.82	0.00	0.82	14.20	5.98	0.00	5.98
11.65	1.05	0.00	1.05	14.25	5.80	0.00	5.80
11.70	1.33	0.00	1.33	14.30	5.63	0.00	5.63
11.75	1.68	0.00	1.68	14.35	5.47	0.00	5.47
11.80	2.12	0.00	2.12	14.40	5.31	0.00	5.31
11.85	2.71	0.00	2.71	14.45	5.16	0.00	5.16
11.90	3.51	0.00	3.51	14.50	5.03	0.00	5.03
11.95	4.62	0.00	4.62	14.55	4.90	0.00	4.90
12.00	6.21	0.00	6.21	14.60	4.77	0.00	4.77
12.05	8.73	0.00	8.73	14.65	4.65	0.00	4.65
12.10	12.71	0.00	12.71	14.70	4.53	0.00	4.53
12.15	18.16	0.00	18.16	14.75	4.41	0.00	4.41
12.20	23.27	0.00	23.27	14.80	4.31	0.00	4.31
12.25	25.90	0.00	25.90	14.85	4.20	0.00	4.20
12.30	**26.08**	0.00	**26.08**	14.90	4.10	0.00	4.10
12.35	24.81	0.00	24.81	14.95	4.00	0.00	4.00
12.40	23.48	0.00	23.48	15.00	3.91	0.00	3.91
12.45	22.31	0.00	22.31	15.05	3.81	0.00	3.81
12.50	21.32	0.00	21.32	15.10	3.72	0.00	3.72
12.55	20.52	0.00	20.52	15.15	3.64	0.00	3.64
12.60	19.78	0.00	19.78	15.20	3.56	0.00	3.56
12.65	18.97	0.00	18.97	15.25	3.49	0.00	3.49
12.70	18.11	0.00	18.11	15.30	3.42	0.00	3.42
12.75	17.32	0.00	17.32	15.35	3.35	0.00	3.35
12.80	16.63	0.00	16.63	15.40	3.29	0.00	3.29
12.85	16.04	0.00	16.04	15.45	3.24	0.00	3.24
12.90	15.53	0.00	15.53	15.50	3.18	0.00	3.18
12.95	15.05	0.00	15.05	15.55	3.13	0.00	3.13

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	3.09	0.00	3.09	18.20	1.88	0.00	1.88
15.65	3.04	0.00	3.04	18.25	1.87	0.00	1.87
15.70	3.00	0.00	3.00	18.30	1.86	0.00	1.86
15.75	2.96	0.00	2.96	18.35	1.85	0.00	1.85
15.80	2.92	0.00	2.92	18.40	1.83	0.00	1.83
15.85	2.88	0.00	2.88	18.45	1.82	0.00	1.82
15.90	2.85	0.00	2.85	18.50	1.81	0.00	1.81
15.95	2.81	0.00	2.81	18.55	1.80	0.00	1.80
16.00	2.78	0.00	2.78	18.60	1.79	0.00	1.79
16.05	2.75	0.00	2.75	18.65	1.78	0.00	1.78
16.10	2.72	0.00	2.72	18.70	1.77	0.00	1.77
16.15	2.69	0.00	2.69	18.75	1.77	0.00	1.77
16.20	2.66	0.00	2.66	18.80	1.76	0.00	1.76
16.25	2.63	0.00	2.63	18.85	1.75	0.00	1.75
16.30	2.60	0.00	2.60	18.90	1.74	0.00	1.74
16.35	2.58	0.00	2.58	18.95	1.73	0.00	1.73
16.40	2.55	0.00	2.55	19.00	1.72	0.00	1.72
16.45	2.53	0.00	2.53	19.05	1.71	0.00	1.71
16.50	2.50	0.00	2.50	19.10	1.71	0.00	1.71
16.55	2.48	0.00	2.48	19.15	1.70	0.00	1.70
16.60	2.46	0.00	2.46	19.20	1.69	0.00	1.69
16.65	2.44	0.00	2.44	19.25	1.68	0.00	1.68
16.70	2.42	0.00	2.42	19.30	1.68	0.00	1.68
16.75	2.40	0.00	2.40	19.35	1.67	0.00	1.67
16.80	2.37	0.00	2.37	19.40	1.66	0.00	1.66
16.85	2.35	0.00	2.35	19.45	1.66	0.00	1.66
16.90	2.33	0.00	2.33	19.50	1.65	0.00	1.65
16.95	2.31	0.00	2.31	19.55	1.64	0.00	1.64
17.00	2.29	0.00	2.29	19.60	1.64	0.00	1.64
17.05	2.28	0.00	2.28	19.65	1.63	0.00	1.63
17.10	2.26	0.00	2.26	19.70	1.62	0.00	1.62
17.15	2.24	0.00	2.24	19.75	1.62	0.00	1.62
17.20	2.22	0.00	2.22	19.80	1.61	0.00	1.61
17.25	2.20	0.00	2.20	19.85	1.61	0.00	1.61
17.30	2.18	0.00	2.18	19.90	1.60	0.00	1.60
17.35	2.16	0.00	2.16	19.95	1.60	0.00	1.60
17.40	2.15	0.00	2.15	20.00	1.59	0.00	1.59
17.45	2.13	0.00	2.13	20.05	1.59	0.00	1.59
17.50	2.11	0.00	2.11	20.10	1.58	0.00	1.58
17.55	2.09	0.00	2.09	20.15	1.57	0.00	1.57
17.60	2.08	0.00	2.08	20.20	1.57	0.00	1.57
17.65	2.06	0.00	2.06	20.25	1.56	0.00	1.56
17.70	2.04	0.00	2.04	20.30	1.56	0.00	1.56
17.75	2.02	0.00	2.02	20.35	1.55	0.00	1.55
17.80	2.01	0.00	2.01	20.40	1.55	0.00	1.55
17.85	1.99	0.00	1.99	20.45	1.54	0.00	1.54
17.90	1.98	0.00	1.98	20.50	1.54	0.00	1.54
17.95	1.96	0.00	1.96	20.55	1.53	0.00	1.53
18.00	1.95	0.00	1.95	20.60	1.53	0.00	1.53
18.05	1.93	0.00	1.93	20.65	1.53	0.00	1.53
18.10	1.91	0.00	1.91	20.70	1.52	0.00	1.52
18.15	1.90	0.00	1.90	20.75	1.52	0.00	1.52

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	1.51	0.00	1.51	23.40	1.28	0.00	1.28
20.85	1.51	0.00	1.51	23.45	1.28	0.00	1.28
20.90	1.50	0.00	1.50	23.50	1.28	0.00	1.28
20.95	1.50	0.00	1.50	23.55	1.27	0.00	1.27
21.00	1.49	0.00	1.49	23.60	1.27	0.00	1.27
21.05	1.49	0.00	1.49	23.65	1.26	0.00	1.26
21.10	1.48	0.00	1.48	23.70	1.26	0.00	1.26
21.15	1.48	0.00	1.48	23.75	1.25	0.00	1.25
21.20	1.48	0.00	1.48	23.80	1.25	0.00	1.25
21.25	1.47	0.00	1.47	23.85	1.25	0.00	1.25
21.30	1.47	0.00	1.47	23.90	1.24	0.00	1.24
21.35	1.46	0.00	1.46	23.95	1.24	0.00	1.24
21.40	1.46	0.00	1.46	24.00	1.24	0.00	1.24
21.45	1.46	0.00	1.46	24.05	1.24	0.00	1.24
21.50	1.45	0.00	1.45	24.10	1.23	0.00	1.23
21.55	1.45	0.00	1.45	24.15	1.16	0.00	1.16
21.60	1.44	0.00	1.44	24.20	1.07	0.00	1.07
21.65	1.44	0.00	1.44	24.25	0.99	0.00	0.99
21.70	1.43	0.00	1.43	24.30	0.93	0.00	0.93
21.75	1.43	0.00	1.43	24.35	0.89	0.00	0.89
21.80	1.42	0.00	1.42	24.40	0.86	0.00	0.86
21.85	1.42	0.00	1.42	24.45	0.84	0.00	0.84
21.90	1.42	0.00	1.42	24.50	0.82	0.00	0.82
21.95	1.41	0.00	1.41	24.55	0.80	0.00	0.80
22.00	1.41	0.00	1.41	24.60	0.78	0.00	0.78
22.05	1.40	0.00	1.40	24.65	0.77	0.00	0.77
22.10	1.40	0.00	1.40	24.70	0.76	0.00	0.76
22.15	1.39	0.00	1.39	24.75	0.74	0.00	0.74
22.20	1.39	0.00	1.39	24.80	0.73	0.00	0.73
22.25	1.39	0.00	1.39	24.85	0.72	0.00	0.72
22.30	1.38	0.00	1.38	24.90	0.71	0.00	0.71
22.35	1.38	0.00	1.38	24.95	0.70	0.00	0.70
22.40	1.37	0.00	1.37	25.00	0.69	0.00	0.69
22.45	1.37	0.00	1.37	25.05	0.68	0.00	0.68
22.50	1.36	0.00	1.36	25.10	0.67	0.00	0.67
22.55	1.36	0.00	1.36	25.15	0.66	0.00	0.66
22.60	1.35	0.00	1.35	25.20	0.65	0.00	0.65
22.65	1.35	0.00	1.35	25.25	0.64	0.00	0.64
22.70	1.35	0.00	1.35	25.30	0.63	0.00	0.63
22.75	1.34	0.00	1.34	25.35	0.62	0.00	0.62
22.80	1.34	0.00	1.34	25.40	0.61	0.00	0.61
22.85	1.33	0.00	1.33	25.45	0.60	0.00	0.60
22.90	1.33	0.00	1.33	25.50	0.59	0.00	0.59
22.95	1.32	0.00	1.32	25.55	0.58	0.00	0.58
23.00	1.32	0.00	1.32	25.60	0.57	0.00	0.57
23.05	1.32	0.00	1.32	25.65	0.56	0.00	0.56
23.10	1.31	0.00	1.31	25.70	0.55	0.00	0.55
23.15	1.31	0.00	1.31	25.75	0.55	0.00	0.55
23.20	1.30	0.00	1.30	25.80	0.54	0.00	0.54
23.25	1.30	0.00	1.30	25.85	0.53	0.00	0.53
23.30	1.29	0.00	1.29	25.90	0.52	0.00	0.52
23.35	1.29	0.00	1.29	25.95	0.51	0.00	0.51

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.51	0.00	0.51	28.60	0.28	0.00	0.28
26.05	0.50	0.00	0.50	28.65	0.28	0.00	0.28
26.10	0.49	0.00	0.49	28.70	0.28	0.00	0.28
26.15	0.49	0.00	0.49	28.75	0.28	0.00	0.28
26.20	0.48	0.00	0.48	28.80	0.27	0.00	0.27
26.25	0.47	0.00	0.47	28.85	0.27	0.00	0.27
26.30	0.47	0.00	0.47	28.90	0.27	0.00	0.27
26.35	0.46	0.00	0.46	28.95	0.27	0.00	0.27
26.40	0.46	0.00	0.46	29.00	0.27	0.00	0.27
26.45	0.45	0.00	0.45	29.05	0.26	0.00	0.26
26.50	0.45	0.00	0.45	29.10	0.26	0.00	0.26
26.55	0.44	0.00	0.44	29.15	0.26	0.00	0.26
26.60	0.44	0.00	0.44	29.20	0.26	0.00	0.26
26.65	0.43	0.00	0.43	29.25	0.25	0.00	0.25
26.70	0.43	0.00	0.43	29.30	0.25	0.00	0.25
26.75	0.42	0.00	0.42	29.35	0.25	0.00	0.25
26.80	0.42	0.00	0.42	29.40	0.25	0.00	0.25
26.85	0.41	0.00	0.41	29.45	0.25	0.00	0.25
26.90	0.41	0.00	0.41	29.50	0.25	0.00	0.25
26.95	0.40	0.00	0.40	29.55	0.24	0.00	0.24
27.00	0.40	0.00	0.40	29.60	0.24	0.00	0.24
27.05	0.39	0.00	0.39	29.65	0.24	0.00	0.24
27.10	0.39	0.00	0.39	29.70	0.24	0.00	0.24
27.15	0.38	0.00	0.38	29.75	0.24	0.00	0.24
27.20	0.38	0.00	0.38	29.80	0.23	0.00	0.23
27.25	0.38	0.00	0.38	29.85	0.23	0.00	0.23
27.30	0.37	0.00	0.37	29.90	0.23	0.00	0.23
27.35	0.37	0.00	0.37	29.95	0.23	0.00	0.23
27.40	0.36	0.00	0.36	30.00	0.23	0.00	0.23
27.45	0.36	0.00	0.36	30.05	0.23	0.00	0.23
27.50	0.36	0.00	0.36	30.10	0.22	0.00	0.22
27.55	0.35	0.00	0.35	30.15	0.22	0.00	0.22
27.60	0.35	0.00	0.35	30.20	0.22	0.00	0.22
27.65	0.34	0.00	0.34	30.25	0.22	0.00	0.22
27.70	0.34	0.00	0.34	30.30	0.22	0.00	0.22
27.75	0.34	0.00	0.34	30.35	0.21	0.00	0.21
27.80	0.33	0.00	0.33	30.40	0.21	0.00	0.21
27.85	0.33	0.00	0.33	30.45	0.21	0.00	0.21
27.90	0.33	0.00	0.33	30.50	0.21	0.00	0.21
27.95	0.32	0.00	0.32	30.55	0.21	0.00	0.21
28.00	0.32	0.00	0.32	30.60	0.21	0.00	0.21
28.05	0.32	0.00	0.32	30.65	0.21	0.00	0.21
28.10	0.31	0.00	0.31	30.70	0.20	0.00	0.20
28.15	0.31	0.00	0.31	30.75	0.20	0.00	0.20
28.20	0.31	0.00	0.31	30.80	0.20	0.00	0.20
28.25	0.30	0.00	0.30	30.85	0.20	0.00	0.20
28.30	0.30	0.00	0.30	30.90	0.20	0.00	0.20
28.35	0.30	0.00	0.30	30.95	0.20	0.00	0.20
28.40	0.29	0.00	0.29	31.00	0.20	0.00	0.20
28.45	0.29	0.00	0.29	31.05	0.19	0.00	0.19
28.50	0.29	0.00	0.29	31.10	0.19	0.00	0.19
28.55	0.28	0.00	0.28	31.15	0.19	0.00	0.19

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.19	0.00	0.19	33.80	0.14	0.00	0.14
31.25	0.19	0.00	0.19	33.85	0.14	0.00	0.14
31.30	0.19	0.00	0.19	33.90	0.14	0.00	0.14
31.35	0.19	0.00	0.19	33.95	0.14	0.00	0.14
31.40	0.18	0.00	0.18	34.00	0.13	0.00	0.13
31.45	0.18	0.00	0.18	34.05	0.13	0.00	0.13
31.50	0.18	0.00	0.18	34.10	0.13	0.00	0.13
31.55	0.18	0.00	0.18	34.15	0.13	0.00	0.13
31.60	0.18	0.00	0.18	34.20	0.13	0.00	0.13
31.65	0.18	0.00	0.18	34.25	0.13	0.00	0.13
31.70	0.18	0.00	0.18	34.30	0.13	0.00	0.13
31.75	0.18	0.00	0.18	34.35	0.13	0.00	0.13
31.80	0.18	0.00	0.18	34.40	0.13	0.00	0.13
31.85	0.17	0.00	0.17	34.45	0.13	0.00	0.13
31.90	0.17	0.00	0.17	34.50	0.13	0.00	0.13
31.95	0.17	0.00	0.17	34.55	0.13	0.00	0.13
32.00	0.17	0.00	0.17	34.60	0.13	0.00	0.13
32.05	0.17	0.00	0.17	34.65	0.12	0.00	0.12
32.10	0.17	0.00	0.17	34.70	0.12	0.00	0.12
32.15	0.17	0.00	0.17	34.75	0.12	0.00	0.12
32.20	0.17	0.00	0.17	34.80	0.12	0.00	0.12
32.25	0.17	0.00	0.17	34.85	0.12	0.00	0.12
32.30	0.16	0.00	0.16	34.90	0.12	0.00	0.12
32.35	0.16	0.00	0.16	34.95	0.12	0.00	0.12
32.40	0.16	0.00	0.16	35.00	0.12	0.00	0.12
32.45	0.16	0.00	0.16	35.05	0.12	0.00	0.12
32.50	0.16	0.00	0.16	35.10	0.12	0.00	0.12
32.55	0.16	0.00	0.16	35.15	0.12	0.00	0.12
32.60	0.16	0.00	0.16	35.20	0.12	0.00	0.12
32.65	0.16	0.00	0.16	35.25	0.12	0.00	0.12
32.70	0.16	0.00	0.16	35.30	0.12	0.00	0.12
32.75	0.16	0.00	0.16	35.35	0.12	0.00	0.12
32.80	0.16	0.00	0.16	35.40	0.11	0.00	0.11
32.85	0.15	0.00	0.15	35.45	0.11	0.00	0.11
32.90	0.15	0.00	0.15	35.50	0.11	0.00	0.11
32.95	0.15	0.00	0.15	35.55	0.11	0.00	0.11
33.00	0.15	0.00	0.15	35.60	0.11	0.00	0.11
33.05	0.15	0.00	0.15	35.65	0.11	0.00	0.11
33.10	0.15	0.00	0.15	35.70	0.11	0.00	0.11
33.15	0.15	0.00	0.15	35.75	0.11	0.00	0.11
33.20	0.15	0.00	0.15	35.80	0.11	0.00	0.11
33.25	0.15	0.00	0.15	35.85	0.11	0.00	0.11
33.30	0.15	0.00	0.15	35.90	0.11	0.00	0.11
33.35	0.15	0.00	0.15	35.95	0.11	0.00	0.11
33.40	0.14	0.00	0.14	36.00	0.11	0.00	0.11
33.45	0.14	0.00	0.14	36.05	0.11	0.00	0.11
33.50	0.14	0.00	0.14	36.10	0.11	0.00	0.11
33.55	0.14	0.00	0.14	36.15	0.11	0.00	0.11
33.60	0.14	0.00	0.14	36.20	0.11	0.00	0.11
33.65	0.14	0.00	0.14	36.25	0.11	0.00	0.11
33.70	0.14	0.00	0.14	36.30	0.11	0.00	0.11
33.75	0.14	0.00	0.14	36.35	0.11	0.00	0.11

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.11	0.00	0.11
36.45	0.10	0.00	0.10
36.50	0.10	0.00	0.10
36.55	0.10	0.00	0.10
36.60	0.10	0.00	0.10
36.65	0.10	0.00	0.10
36.70	0.10	0.00	0.10
36.75	0.10	0.00	0.10
36.80	0.10	0.00	0.10
36.85	0.10	0.00	0.10
36.90	0.10	0.00	0.10
36.95	0.10	0.00	0.10
37.00	0.10	0.00	0.10
37.05	0.10	0.00	0.10
37.10	0.10	0.00	0.10
37.15	0.10	0.00	0.10
37.20	0.10	0.00	0.10
37.25	0.10	0.00	0.10
37.30	0.10	0.00	0.10
37.35	0.10	0.00	0.10
37.40	0.10	0.00	0.10
37.45	0.10	0.00	0.10
37.50	0.09	0.00	0.09
37.55	0.09	0.00	0.09
37.60	0.09	0.00	0.09
37.65	0.09	0.00	0.09
37.70	0.09	0.00	0.09
37.75	0.09	0.00	0.09
37.80	0.09	0.00	0.09
37.85	0.09	0.00	0.09
37.90	0.09	0.00	0.09
37.95	0.09	0.00	0.09
38.00	0.09	0.00	0.09
38.05	0.09	0.00	0.09
38.10	0.09	0.00	0.09
38.15	0.09	0.00	0.09
38.20	0.09	0.00	0.09
38.25	0.09	0.00	0.09
38.30	0.09	0.00	0.09
38.35	0.09	0.00	0.09
38.40	0.09	0.00	0.09
38.45	0.09	0.00	0.09
38.50	0.09	0.00	0.09
38.55	0.08	0.00	0.08
38.60	0.08	0.00	0.08
38.65	0.08	0.00	0.08
38.70	0.08	0.00	0.08
38.75	0.08	0.00	0.08
38.80	0.08	0.00	0.08
38.85	0.08	0.00	0.08
38.90	0.08	0.00	0.08
38.95	0.08	0.00	0.08
39.00	0.08	0.00	0.08
39.05	0.08	0.00	0.08
39.10	0.08	0.00	0.08
39.15	0.08	0.00	0.08
39.20	0.08	0.00	0.08
39.25	0.08	0.00	0.08
39.30	0.08	0.00	0.08
39.35	0.08	0.00	0.08
39.40	0.08	0.00	0.08
39.45	0.08	0.00	0.08
39.50	0.08	0.00	0.08
39.55	0.07	0.00	0.07
39.60	0.07	0.00	0.07
39.65	0.07	0.00	0.07
39.70	0.07	0.00	0.07
39.75	0.07	0.00	0.07
39.80	0.07	0.00	0.07
39.85	0.07	0.00	0.07
39.90	0.07	0.00	0.07
39.95	0.07	0.00	0.07
40.00	0.07	0.00	0.07

Summary for Subcatchment 3S: PDA-6 (offsite pervious)

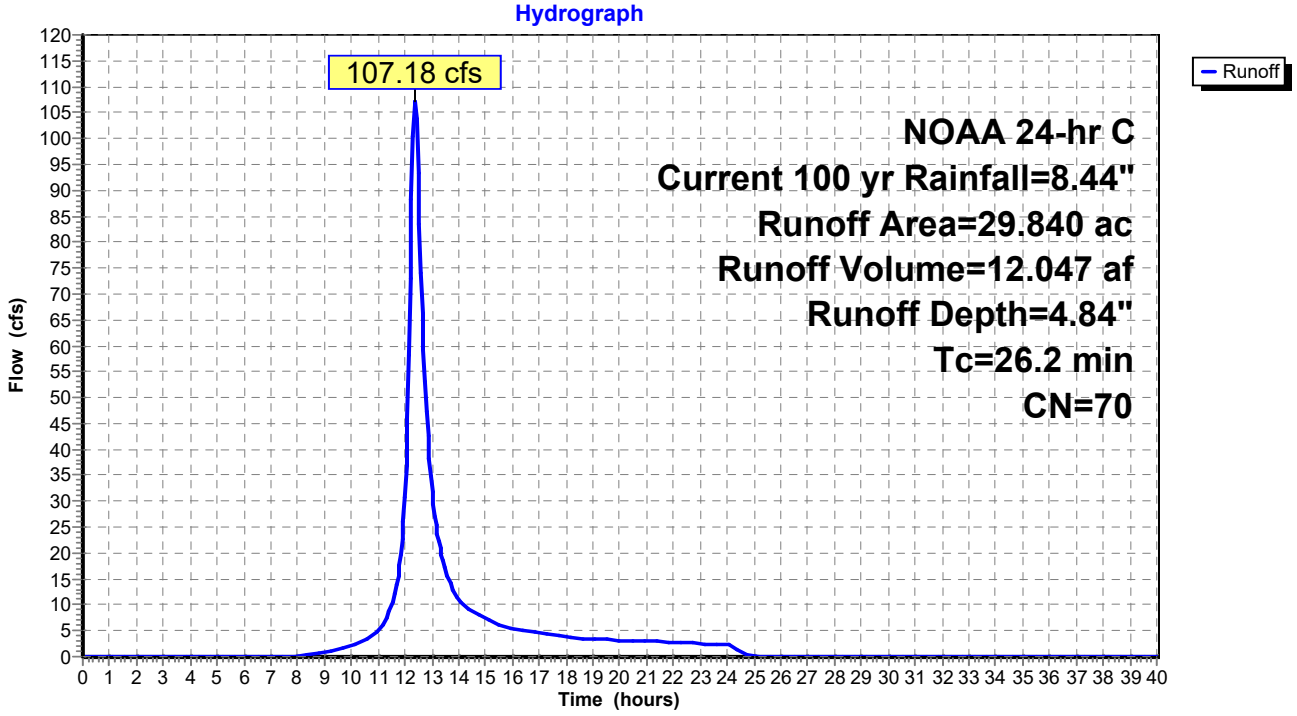
Runoff = 107.18 cfs @ 12.37 hrs, Volume= 12.047 af, Depth= 4.84"
Routed to Link PDA-6OF : Proposed Offsite Drainage Area #6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
13.160	71	Row crops, C&T, Good, HSG B
3.420	78	Row crops, C&T, Good, HSG C
4.100	55	Woods, Good, HSG B
6.460	70	Woods, Good, HSG C
2.700	77	Woods, Good, HSG D
29.840	70	Weighted Average
29.840		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
26.2					**Direct Entry,**

Subcatchment 3S: PDA-6 (offsite pervious)



Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.00	0.11
5.25	0.57	0.00	0.00	7.85	0.98	0.00	0.13
5.30	0.58	0.00	0.00	7.90	0.99	0.00	0.15
5.35	0.58	0.00	0.00	7.95	1.00	0.00	0.17
5.40	0.59	0.00	0.00	8.00	1.01	0.01	0.20
5.45	0.60	0.00	0.00	8.05	1.02	0.01	0.23
5.50	0.60	0.00	0.00	8.10	1.03	0.01	0.25
5.55	0.61	0.00	0.00	8.15	1.04	0.01	0.28
5.60	0.62	0.00	0.00	8.20	1.05	0.01	0.31
5.65	0.62	0.00	0.00	8.25	1.06	0.01	0.33
5.70	0.63	0.00	0.00	8.30	1.07	0.01	0.36
5.75	0.64	0.00	0.00	8.35	1.08	0.01	0.39
5.80	0.64	0.00	0.00	8.40	1.10	0.01	0.42
5.85	0.65	0.00	0.00	8.45	1.11	0.01	0.45
5.90	0.66	0.00	0.00	8.50	1.12	0.01	0.48
5.95	0.66	0.00	0.00	8.55	1.13	0.02	0.51
6.00	0.67	0.00	0.00	8.60	1.14	0.02	0.54
6.05	0.68	0.00	0.00	8.65	1.15	0.02	0.58
6.10	0.68	0.00	0.00	8.70	1.16	0.02	0.61
6.15	0.69	0.00	0.00	8.75	1.17	0.02	0.64
6.20	0.70	0.00	0.00	8.80	1.19	0.02	0.67
6.25	0.70	0.00	0.00	8.85	1.20	0.03	0.71
6.30	0.71	0.00	0.00	8.90	1.21	0.03	0.74
6.35	0.72	0.00	0.00	8.95	1.22	0.03	0.78
6.40	0.73	0.00	0.00	9.00	1.23	0.03	0.81
6.45	0.73	0.00	0.00	9.05	1.25	0.03	0.85
6.50	0.74	0.00	0.00	9.10	1.26	0.03	0.88
6.55	0.75	0.00	0.00	9.15	1.27	0.04	0.92
6.60	0.76	0.00	0.00	9.20	1.28	0.04	0.96
6.65	0.77	0.00	0.00	9.25	1.30	0.04	1.01
6.70	0.77	0.00	0.00	9.30	1.31	0.04	1.05
6.75	0.78	0.00	0.00	9.35	1.33	0.05	1.10
6.80	0.79	0.00	0.00	9.40	1.34	0.05	1.16
6.85	0.80	0.00	0.00	9.45	1.35	0.05	1.22
6.90	0.81	0.00	0.00	9.50	1.37	0.05	1.28
6.95	0.81	0.00	0.00	9.55	1.39	0.06	1.34
7.00	0.82	0.00	0.00	9.60	1.40	0.06	1.41
7.05	0.83	0.00	0.00	9.65	1.42	0.06	1.48
7.10	0.84	0.00	0.00	9.70	1.43	0.07	1.56
7.15	0.85	0.00	0.00	9.75	1.45	0.07	1.63
7.20	0.86	0.00	0.00	9.80	1.47	0.08	1.71
7.25	0.87	0.00	0.00	9.85	1.49	0.08	1.79
7.30	0.88	0.00	0.00	9.90	1.50	0.08	1.88
7.35	0.89	0.00	0.00	9.95	1.52	0.09	1.96
7.40	0.89	0.00	0.00	10.00	1.54	0.09	2.05
7.45	0.90	0.00	0.01	10.05	1.56	0.10	2.14
7.50	0.91	0.00	0.01	10.10	1.58	0.10	2.24
7.55	0.92	0.00	0.02	10.15	1.60	0.11	2.33
7.60	0.93	0.00	0.03	10.20	1.62	0.11	2.43
7.65	0.94	0.00	0.05	10.25	1.64	0.12	2.53
7.70	0.95	0.00	0.07	10.30	1.66	0.13	2.64
7.75	0.96	0.00	0.09	10.35	1.68	0.13	2.74

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.14	2.85	13.00	6.41	3.14	31.82
10.45	1.72	0.14	2.96	13.05	6.45	3.16	29.34
10.50	1.74	0.15	3.08	13.10	6.48	3.19	27.22
10.55	1.76	0.16	3.19	13.15	6.51	3.22	25.36
10.60	1.79	0.17	3.31	13.20	6.54	3.24	23.70
10.65	1.81	0.17	3.45	13.25	6.57	3.27	22.20
10.70	1.84	0.18	3.60	13.30	6.60	3.29	20.86
10.75	1.87	0.19	3.77	13.35	6.63	3.31	19.64
10.80	1.90	0.20	3.97	13.40	6.65	3.33	18.54
10.85	1.93	0.21	4.19	13.45	6.68	3.35	17.54
10.90	1.96	0.23	4.45	13.50	6.70	3.37	16.64
10.95	1.99	0.24	4.73	13.55	6.72	3.39	15.83
11.00	2.03	0.25	5.03	13.60	6.74	3.41	15.09
11.05	2.06	0.26	5.35	13.65	6.76	3.42	14.40
11.10	2.10	0.28	5.69	13.70	6.78	3.44	13.75
11.15	2.14	0.30	6.06	13.75	6.80	3.46	13.13
11.20	2.19	0.31	6.47	13.80	6.82	3.47	12.57
11.25	2.23	0.33	6.92	13.85	6.84	3.49	12.06
11.30	2.28	0.35	7.43	13.90	6.86	3.51	11.63
11.35	2.33	0.38	7.99	13.95	6.88	3.52	11.25
11.40	2.38	0.40	8.60	14.00	6.90	3.54	10.93
11.45	2.44	0.43	9.25	14.05	6.92	3.55	10.65
11.50	2.49	0.45	9.95	14.10	6.94	3.57	10.40
11.55	2.58	0.49	10.70	14.15	6.95	3.58	10.18
11.60	2.66	0.54	11.55	14.20	6.97	3.60	9.97
11.65	2.75	0.58	12.58	14.25	6.99	3.61	9.78
11.70	2.84	0.63	13.88	14.30	7.01	3.62	9.60
11.75	2.97	0.70	15.50	14.35	7.02	3.64	9.43
11.80	3.09	0.77	17.46	14.40	7.04	3.65	9.26
11.85	3.26	0.86	19.77	14.45	7.05	3.66	9.10
11.90	3.43	0.97	22.55	14.50	7.07	3.68	8.94
11.95	3.73	1.15	26.09	14.55	7.09	3.69	8.78
12.00	4.02	1.34	30.74	14.60	7.10	3.70	8.62
12.05	4.52	1.68	37.01	14.65	7.11	3.71	8.47
12.10	5.01	2.04	45.91	14.70	7.13	3.73	8.31
12.15	5.18	2.17	58.10	14.75	7.14	3.74	8.16
12.20	5.35	2.30	72.94	14.80	7.16	3.75	8.00
12.25	5.47	2.39	88.21	14.85	7.17	3.76	7.84
12.30	5.60	2.49	100.44	14.90	7.18	3.77	7.69
12.35	5.69	2.56	**106.49**	14.95	7.19	3.78	7.54
12.40	5.78	2.63	106.30	15.00	7.21	3.79	7.38
12.45	5.86	2.70	101.40	15.05	7.22	3.80	7.23
12.50	5.95	2.76	93.20	15.10	7.23	3.81	7.07
12.55	6.00	2.81	83.54	15.15	7.24	3.82	6.92
12.60	6.06	2.85	74.18	15.20	7.25	3.83	6.76
12.65	6.11	2.89	66.21	15.25	7.27	3.84	6.61
12.70	6.16	2.93	59.24	15.30	7.28	3.85	6.48
12.75	6.21	2.97	52.97	15.35	7.29	3.86	6.35
12.80	6.25	3.01	47.38	15.40	7.30	3.87	6.24
12.85	6.30	3.04	42.54	15.45	7.31	3.88	6.14
12.90	6.34	3.08	38.36	15.50	7.32	3.89	6.06
12.95	6.38	3.11	34.81	15.55	7.33	3.90	5.99

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	3.91	5.92	18.20	7.80	4.29	3.71
15.65	7.36	3.92	5.86	18.25	7.80	4.30	3.67
15.70	7.37	3.92	5.81	18.30	7.81	4.30	3.63
15.75	7.38	3.93	5.76	18.35	7.82	4.31	3.60
15.80	7.39	3.94	5.71	18.40	7.82	4.31	3.57
15.85	7.40	3.95	5.67	18.45	7.83	4.32	3.54
15.90	7.41	3.96	5.62	18.50	7.84	4.33	3.52
15.95	7.42	3.97	5.57	18.55	7.84	4.33	3.50
16.00	7.43	3.98	5.53	18.60	7.85	4.34	3.48
16.05	7.44	3.99	5.49	18.65	7.86	4.34	3.47
16.10	7.45	3.99	5.45	18.70	7.86	4.35	3.45
16.15	7.46	4.00	5.41	18.75	7.87	4.35	3.44
16.20	7.47	4.01	5.37	18.80	7.88	4.36	3.43
16.25	7.48	4.02	5.33	18.85	7.88	4.36	3.41
16.30	7.49	4.03	5.29	18.90	7.89	4.37	3.40
16.35	7.50	4.04	5.25	18.95	7.90	4.38	3.39
16.40	7.51	4.04	5.20	19.00	7.90	4.38	3.38
16.45	7.52	4.05	5.16	19.05	7.91	4.39	3.37
16.50	7.53	4.06	5.12	19.10	7.92	4.39	3.36
16.55	7.54	4.07	5.08	19.15	7.92	4.40	3.35
16.60	7.55	4.08	5.04	19.20	7.93	4.40	3.34
16.65	7.55	4.08	5.00	19.25	7.93	4.41	3.33
16.70	7.56	4.09	4.96	19.30	7.94	4.41	3.32
16.75	7.57	4.10	4.92	19.35	7.95	4.42	3.31
16.80	7.58	4.11	4.88	19.40	7.95	4.42	3.30
16.85	7.59	4.11	4.83	19.45	7.96	4.43	3.29
16.90	7.60	4.12	4.79	19.50	7.97	4.44	3.28
16.95	7.61	4.13	4.75	19.55	7.97	4.44	3.27
17.00	7.62	4.14	4.71	19.60	7.98	4.45	3.26
17.05	7.63	4.14	4.67	19.65	7.98	4.45	3.25
17.10	7.63	4.15	4.63	19.70	7.99	4.46	3.24
17.15	7.64	4.16	4.59	19.75	8.00	4.46	3.23
17.20	7.65	4.17	4.55	19.80	8.00	4.47	3.22
17.25	7.66	4.17	4.50	19.85	8.01	4.47	3.21
17.30	7.67	4.18	4.46	19.90	8.01	4.48	3.20
17.35	7.67	4.19	4.42	19.95	8.02	4.48	3.19
17.40	7.68	4.19	4.38	20.00	8.03	4.49	3.18
17.45	7.69	4.20	4.34	20.05	8.03	4.49	3.17
17.50	7.70	4.21	4.29	20.10	8.04	4.50	3.16
17.55	7.71	4.21	4.25	20.15	8.04	4.50	3.15
17.60	7.71	4.22	4.21	20.20	8.05	4.51	3.14
17.65	7.72	4.23	4.17	20.25	8.06	4.51	3.13
17.70	7.73	4.23	4.13	20.30	8.06	4.52	3.11
17.75	7.74	4.24	4.08	20.35	8.07	4.52	3.10
17.80	7.74	4.24	4.04	20.40	8.07	4.53	3.09
17.85	7.75	4.25	4.00	20.45	8.08	4.53	3.08
17.90	7.76	4.26	3.96	20.50	8.09	4.54	3.07
17.95	7.76	4.26	3.92	20.55	8.09	4.54	3.06
18.00	7.77	4.27	3.88	20.60	8.10	4.55	3.05
18.05	7.78	4.27	3.83	20.65	8.10	4.55	3.04
18.10	7.78	4.28	3.79	20.70	8.11	4.56	3.03
18.15	7.79	4.29	3.75	20.75	8.11	4.56	3.02

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	4.57	3.01	23.40	8.38	4.80	2.46
20.85	8.13	4.57	3.00	23.45	8.39	4.80	2.45
20.90	8.13	4.58	2.99	23.50	8.39	4.80	2.44
20.95	8.14	4.58	2.98	23.55	8.40	4.81	2.43
21.00	8.14	4.59	2.97	23.60	8.40	4.81	2.42
21.05	8.15	4.59	2.96	23.65	8.41	4.82	2.41
21.10	8.15	4.60	2.95	23.70	8.41	4.82	2.40
21.15	8.16	4.60	2.94	23.75	8.42	4.82	2.39
21.20	8.16	4.61	2.93	23.80	8.42	4.83	2.38
21.25	8.17	4.61	2.91	23.85	8.42	4.83	2.37
21.30	8.18	4.62	2.90	23.90	8.43	4.84	2.36
21.35	8.18	4.62	2.89	23.95	8.43	4.84	2.35
21.40	8.19	4.62	2.89	24.00	**8.44**	**4.84**	2.34
21.45	8.19	4.63	2.88	24.05	8.44	4.84	2.35
21.50	8.20	4.63	2.87	24.10	8.44	4.84	2.34
21.55	8.20	4.64	2.86	24.15	8.44	4.84	2.30
21.60	8.21	4.64	2.85	24.20	8.44	4.84	2.18
21.65	8.21	4.65	2.83	24.25	8.44	4.84	1.97
21.70	8.22	4.65	2.82	24.30	8.44	4.84	1.69
21.75	8.22	4.66	2.81	24.35	8.44	4.84	1.38
21.80	8.23	4.66	2.80	24.40	8.44	4.84	1.09
21.85	8.23	4.67	2.79	24.45	8.44	4.84	0.83
21.90	8.24	4.67	2.78	24.50	8.44	4.84	0.62
21.95	8.24	4.67	2.77	24.55	8.44	4.84	0.47
22.00	8.25	4.68	2.76	24.60	8.44	4.84	0.35
22.05	8.25	4.68	2.75	24.65	8.44	4.84	0.27
22.10	8.26	4.69	2.74	24.70	8.44	4.84	0.20
22.15	8.26	4.69	2.73	24.75	8.44	4.84	0.15
22.20	8.27	4.70	2.72	24.80	8.44	4.84	0.11
22.25	8.27	4.70	2.71	24.85	8.44	4.84	0.08
22.30	8.28	4.71	2.70	24.90	8.44	4.84	0.06
22.35	8.28	4.71	2.69	24.95	8.44	4.84	0.05
22.40	8.29	4.71	2.68	25.00	8.44	4.84	0.04
22.45	8.29	4.72	2.67	25.05	8.44	4.84	0.03
22.50	8.30	4.72	2.66	25.10	8.44	4.84	0.02
22.55	8.30	4.73	2.64	25.15	8.44	4.84	0.01
22.60	8.31	4.73	2.63	25.20	8.44	4.84	0.01
22.65	8.31	4.74	2.62	25.25	8.44	4.84	0.01
22.70	8.32	4.74	2.61	25.30	8.44	4.84	0.00
22.75	8.32	4.74	2.60	25.35	8.44	4.84	0.00
22.80	8.33	4.75	2.59	25.40	8.44	4.84	0.00
22.85	8.33	4.75	2.58	25.45	8.44	4.84	0.00
22.90	8.34	4.76	2.57	25.50	8.44	4.84	0.00
22.95	8.34	4.76	2.56	25.55	8.44	4.84	0.00
23.00	8.35	4.76	2.55	25.60	8.44	4.84	0.00
23.05	8.35	4.77	2.54	25.65	8.44	4.84	0.00
23.10	8.36	4.77	2.53	25.70	8.44	4.84	0.00
23.15	8.36	4.78	2.52	25.75	8.44	4.84	0.00
23.20	8.37	4.78	2.51	25.80	8.44	4.84	0.00
23.25	8.37	4.78	2.50	25.85	8.44	4.84	0.00
23.30	8.38	4.79	2.49	25.90	8.44	4.84	0.00
23.35	8.38	4.79	2.47	25.95	8.44	4.84	0.00

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	4.84	0.00	28.60	8.44	4.84	0.00
26.05	8.44	4.84	0.00	28.65	8.44	4.84	0.00
26.10	8.44	4.84	0.00	28.70	8.44	4.84	0.00
26.15	8.44	4.84	0.00	28.75	8.44	4.84	0.00
26.20	8.44	4.84	0.00	28.80	8.44	4.84	0.00
26.25	8.44	4.84	0.00	28.85	8.44	4.84	0.00
26.30	8.44	4.84	0.00	28.90	8.44	4.84	0.00
26.35	8.44	4.84	0.00	28.95	8.44	4.84	0.00
26.40	8.44	4.84	0.00	29.00	8.44	4.84	0.00
26.45	8.44	4.84	0.00	29.05	8.44	4.84	0.00
26.50	8.44	4.84	0.00	29.10	8.44	4.84	0.00
26.55	8.44	4.84	0.00	29.15	8.44	4.84	0.00
26.60	8.44	4.84	0.00	29.20	8.44	4.84	0.00
26.65	8.44	4.84	0.00	29.25	8.44	4.84	0.00
26.70	8.44	4.84	0.00	29.30	8.44	4.84	0.00
26.75	8.44	4.84	0.00	29.35	8.44	4.84	0.00
26.80	8.44	4.84	0.00	29.40	8.44	4.84	0.00
26.85	8.44	4.84	0.00	29.45	8.44	4.84	0.00
26.90	8.44	4.84	0.00	29.50	8.44	4.84	0.00
26.95	8.44	4.84	0.00	29.55	8.44	4.84	0.00
27.00	8.44	4.84	0.00	29.60	8.44	4.84	0.00
27.05	8.44	4.84	0.00	29.65	8.44	4.84	0.00
27.10	8.44	4.84	0.00	29.70	8.44	4.84	0.00
27.15	8.44	4.84	0.00	29.75	8.44	4.84	0.00
27.20	8.44	4.84	0.00	29.80	8.44	4.84	0.00
27.25	8.44	4.84	0.00	29.85	8.44	4.84	0.00
27.30	8.44	4.84	0.00	29.90	8.44	4.84	0.00
27.35	8.44	4.84	0.00	29.95	8.44	4.84	0.00
27.40	8.44	4.84	0.00	30.00	8.44	4.84	0.00
27.45	8.44	4.84	0.00	30.05	8.44	4.84	0.00
27.50	8.44	4.84	0.00	30.10	8.44	4.84	0.00
27.55	8.44	4.84	0.00	30.15	8.44	4.84	0.00
27.60	8.44	4.84	0.00	30.20	8.44	4.84	0.00
27.65	8.44	4.84	0.00	30.25	8.44	4.84	0.00
27.70	8.44	4.84	0.00	30.30	8.44	4.84	0.00
27.75	8.44	4.84	0.00	30.35	8.44	4.84	0.00
27.80	8.44	4.84	0.00	30.40	8.44	4.84	0.00
27.85	8.44	4.84	0.00	30.45	8.44	4.84	0.00
27.90	8.44	4.84	0.00	30.50	8.44	4.84	0.00
27.95	8.44	4.84	0.00	30.55	8.44	4.84	0.00
28.00	8.44	4.84	0.00	30.60	8.44	4.84	0.00
28.05	8.44	4.84	0.00	30.65	8.44	4.84	0.00
28.10	8.44	4.84	0.00	30.70	8.44	4.84	0.00
28.15	8.44	4.84	0.00	30.75	8.44	4.84	0.00
28.20	8.44	4.84	0.00	30.80	8.44	4.84	0.00
28.25	8.44	4.84	0.00	30.85	8.44	4.84	0.00
28.30	8.44	4.84	0.00	30.90	8.44	4.84	0.00
28.35	8.44	4.84	0.00	30.95	8.44	4.84	0.00
28.40	8.44	4.84	0.00	31.00	8.44	4.84	0.00
28.45	8.44	4.84	0.00	31.05	8.44	4.84	0.00
28.50	8.44	4.84	0.00	31.10	8.44	4.84	0.00
28.55	8.44	4.84	0.00	31.15	8.44	4.84	0.00

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	4.84	0.00	33.80	8.44	4.84	0.00
31.25	8.44	4.84	0.00	33.85	8.44	4.84	0.00
31.30	8.44	4.84	0.00	33.90	8.44	4.84	0.00
31.35	8.44	4.84	0.00	33.95	8.44	4.84	0.00
31.40	8.44	4.84	0.00	34.00	8.44	4.84	0.00
31.45	8.44	4.84	0.00	34.05	8.44	4.84	0.00
31.50	8.44	4.84	0.00	34.10	8.44	4.84	0.00
31.55	8.44	4.84	0.00	34.15	8.44	4.84	0.00
31.60	8.44	4.84	0.00	34.20	8.44	4.84	0.00
31.65	8.44	4.84	0.00	34.25	8.44	4.84	0.00
31.70	8.44	4.84	0.00	34.30	8.44	4.84	0.00
31.75	8.44	4.84	0.00	34.35	8.44	4.84	0.00
31.80	8.44	4.84	0.00	34.40	8.44	4.84	0.00
31.85	8.44	4.84	0.00	34.45	8.44	4.84	0.00
31.90	8.44	4.84	0.00	34.50	8.44	4.84	0.00
31.95	8.44	4.84	0.00	34.55	8.44	4.84	0.00
32.00	8.44	4.84	0.00	34.60	8.44	4.84	0.00
32.05	8.44	4.84	0.00	34.65	8.44	4.84	0.00
32.10	8.44	4.84	0.00	34.70	8.44	4.84	0.00
32.15	8.44	4.84	0.00	34.75	8.44	4.84	0.00
32.20	8.44	4.84	0.00	34.80	8.44	4.84	0.00
32.25	8.44	4.84	0.00	34.85	8.44	4.84	0.00
32.30	8.44	4.84	0.00	34.90	8.44	4.84	0.00
32.35	8.44	4.84	0.00	34.95	8.44	4.84	0.00
32.40	8.44	4.84	0.00	35.00	8.44	4.84	0.00
32.45	8.44	4.84	0.00	35.05	8.44	4.84	0.00
32.50	8.44	4.84	0.00	35.10	8.44	4.84	0.00
32.55	8.44	4.84	0.00	35.15	8.44	4.84	0.00
32.60	8.44	4.84	0.00	35.20	8.44	4.84	0.00
32.65	8.44	4.84	0.00	35.25	8.44	4.84	0.00
32.70	8.44	4.84	0.00	35.30	8.44	4.84	0.00
32.75	8.44	4.84	0.00	35.35	8.44	4.84	0.00
32.80	8.44	4.84	0.00	35.40	8.44	4.84	0.00
32.85	8.44	4.84	0.00	35.45	8.44	4.84	0.00
32.90	8.44	4.84	0.00	35.50	8.44	4.84	0.00
32.95	8.44	4.84	0.00	35.55	8.44	4.84	0.00
33.00	8.44	4.84	0.00	35.60	8.44	4.84	0.00
33.05	8.44	4.84	0.00	35.65	8.44	4.84	0.00
33.10	8.44	4.84	0.00	35.70	8.44	4.84	0.00
33.15	8.44	4.84	0.00	35.75	8.44	4.84	0.00
33.20	8.44	4.84	0.00	35.80	8.44	4.84	0.00
33.25	8.44	4.84	0.00	35.85	8.44	4.84	0.00
33.30	8.44	4.84	0.00	35.90	8.44	4.84	0.00
33.35	8.44	4.84	0.00	35.95	8.44	4.84	0.00
33.40	8.44	4.84	0.00	36.00	8.44	4.84	0.00
33.45	8.44	4.84	0.00	36.05	8.44	4.84	0.00
33.50	8.44	4.84	0.00	36.10	8.44	4.84	0.00
33.55	8.44	4.84	0.00	36.15	8.44	4.84	0.00
33.60	8.44	4.84	0.00	36.20	8.44	4.84	0.00
33.65	8.44	4.84	0.00	36.25	8.44	4.84	0.00
33.70	8.44	4.84	0.00	36.30	8.44	4.84	0.00
33.75	8.44	4.84	0.00	36.35	8.44	4.84	0.00

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	4.84	0.00
36.45	8.44	4.84	0.00
36.50	8.44	4.84	0.00
36.55	8.44	4.84	0.00
36.60	8.44	4.84	0.00
36.65	8.44	4.84	0.00
36.70	8.44	4.84	0.00
36.75	8.44	4.84	0.00
36.80	8.44	4.84	0.00
36.85	8.44	4.84	0.00
36.90	8.44	4.84	0.00
36.95	8.44	4.84	0.00
37.00	8.44	4.84	0.00
37.05	8.44	4.84	0.00
37.10	8.44	4.84	0.00
37.15	8.44	4.84	0.00
37.20	8.44	4.84	0.00
37.25	8.44	4.84	0.00
37.30	8.44	4.84	0.00
37.35	8.44	4.84	0.00
37.40	8.44	4.84	0.00
37.45	8.44	4.84	0.00
37.50	8.44	4.84	0.00
37.55	8.44	4.84	0.00
37.60	8.44	4.84	0.00
37.65	8.44	4.84	0.00
37.70	8.44	4.84	0.00
37.75	8.44	4.84	0.00
37.80	8.44	4.84	0.00
37.85	8.44	4.84	0.00
37.90	8.44	4.84	0.00
37.95	8.44	4.84	0.00
38.00	8.44	4.84	0.00
38.05	8.44	4.84	0.00
38.10	8.44	4.84	0.00
38.15	8.44	4.84	0.00
38.20	8.44	4.84	0.00
38.25	8.44	4.84	0.00
38.30	8.44	4.84	0.00
38.35	8.44	4.84	0.00
38.40	8.44	4.84	0.00
38.45	8.44	4.84	0.00
38.50	8.44	4.84	0.00
38.55	8.44	4.84	0.00
38.60	8.44	4.84	0.00
38.65	8.44	4.84	0.00
38.70	8.44	4.84	0.00
38.75	8.44	4.84	0.00
38.80	8.44	4.84	0.00
38.85	8.44	4.84	0.00
38.90	8.44	4.84	0.00
38.95	8.44	4.84	0.00
39.00	8.44	4.84	0.00
39.05	8.44	4.84	0.00
39.10	8.44	4.84	0.00
39.15	8.44	4.84	0.00
39.20	8.44	4.84	0.00
39.25	8.44	4.84	0.00
39.30	8.44	4.84	0.00
39.35	8.44	4.84	0.00
39.40	8.44	4.84	0.00
39.45	8.44	4.84	0.00
39.50	8.44	4.84	0.00
39.55	8.44	4.84	0.00
39.60	8.44	4.84	0.00
39.65	8.44	4.84	0.00
39.70	8.44	4.84	0.00
39.75	8.44	4.84	0.00
39.80	8.44	4.84	0.00
39.85	8.44	4.84	0.00
39.90	8.44	4.84	0.00
39.95	8.44	4.84	0.00
40.00	8.44	4.84	0.00

Summary for Subcatchment 4S: PDA-6 (offsite impervious)

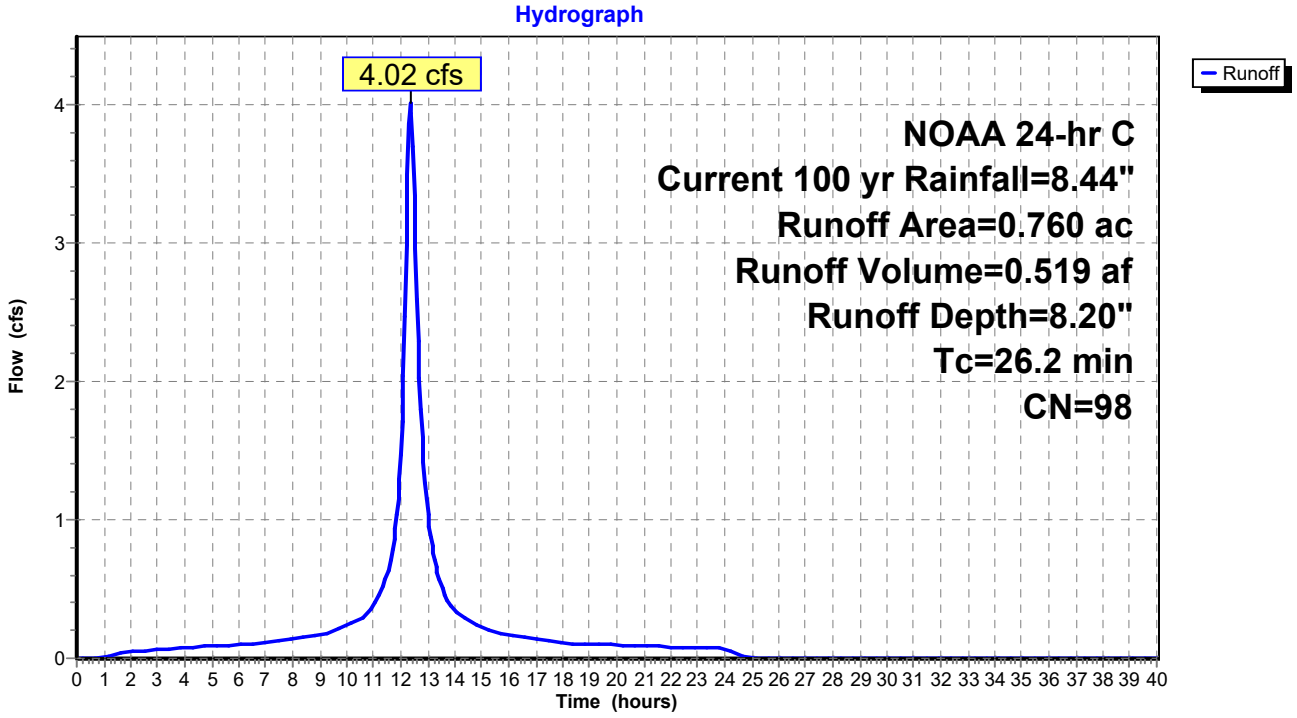
Runoff = 4.02 cfs @ 12.36 hrs, Volume= 0.519 af, Depth= 8.20"
Routed to Link PDA-6OF : Proposed Offsite Drainage Area #6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

	Area (ac)	CN	Description
*	0.760	98	
	0.760		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
26.2					**Direct Entry,**

Subcatchment 4S: PDA-6 (offsite impervious)



Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.11	0.06
0.05	0.01	0.00	0.00	2.65	0.26	0.11	0.06
0.10	0.01	0.00	0.00	2.70	0.26	0.12	0.06
0.15	0.02	0.00	0.00	2.75	0.27	0.12	0.06
0.20	0.02	0.00	0.00	2.80	0.28	0.13	0.06
0.25	0.02	0.00	0.00	2.85	0.28	0.13	0.06
0.30	0.03	0.00	0.00	2.90	0.29	0.13	0.06
0.35	0.03	0.00	0.00	2.95	0.29	0.14	0.06
0.40	0.04	0.00	0.00	3.00	0.30	0.14	0.06
0.45	0.04	0.00	0.00	3.05	0.30	0.15	0.06
0.50	0.05	0.00	0.00	3.10	0.31	0.15	0.06
0.55	0.05	0.00	0.00	3.15	0.31	0.16	0.06
0.60	0.06	0.00	0.00	3.20	0.32	0.16	0.07
0.65	0.06	0.00	0.00	3.25	0.33	0.17	0.07
0.70	0.06	0.00	0.00	3.30	0.33	0.17	0.07
0.75	0.07	0.00	0.00	3.35	0.34	0.18	0.07
0.80	0.07	0.00	0.00	3.40	0.34	0.18	0.07
0.85	0.08	0.01	0.00	3.45	0.35	0.19	0.07
0.90	0.08	0.01	0.01	3.50	0.35	0.19	0.07
0.95	0.09	0.01	0.01	3.55	0.36	0.19	0.07
1.00	0.09	0.01	0.01	3.60	0.37	0.20	0.07
1.05	0.10	0.01	0.01	3.65	0.37	0.20	0.07
1.10	0.10	0.01	0.01	3.70	0.38	0.21	0.07
1.15	0.11	0.02	0.02	3.75	0.38	0.21	0.07
1.20	0.11	0.02	0.02	3.80	0.39	0.22	0.07
1.25	0.12	0.02	0.02	3.85	0.40	0.22	0.07
1.30	0.12	0.02	0.02	3.90	0.40	0.23	0.07
1.35	0.13	0.02	0.02	3.95	0.41	0.24	0.08
1.40	0.13	0.03	0.03	4.00	0.41	0.24	0.08
1.45	0.14	0.03	0.03	4.05	0.42	0.25	0.08
1.50	0.14	0.03	0.03	4.10	0.43	0.25	0.08
1.55	0.15	0.04	0.03	4.15	0.43	0.26	0.08
1.60	0.15	0.04	0.03	4.20	0.44	0.26	0.08
1.65	0.16	0.04	0.03	4.25	0.44	0.27	0.08
1.70	0.16	0.04	0.04	4.30	0.45	0.27	0.08
1.75	0.17	0.05	0.04	4.35	0.46	0.28	0.08
1.80	0.17	0.05	0.04	4.40	0.46	0.28	0.08
1.85	0.18	0.05	0.04	4.45	0.47	0.29	0.08
1.90	0.18	0.06	0.04	4.50	0.47	0.29	0.08
1.95	0.19	0.06	0.04	4.55	0.48	0.30	0.08
2.00	0.19	0.06	0.04	4.60	0.49	0.31	0.08
2.05	0.20	0.07	0.04	4.65	0.49	0.31	0.08
2.10	0.20	0.07	0.05	4.70	0.50	0.32	0.08
2.15	0.21	0.07	0.05	4.75	0.51	0.32	0.08
2.20	0.21	0.08	0.05	4.80	0.51	0.33	0.08
2.25	0.22	0.08	0.05	4.85	0.52	0.33	0.08
2.30	0.22	0.09	0.05	4.90	0.52	0.34	0.08
2.35	0.23	0.09	0.05	4.95	0.53	0.35	0.09
2.40	0.23	0.09	0.05	5.00	0.54	0.35	0.09
2.45	0.24	0.10	0.05	5.05	0.54	0.36	0.09
2.50	0.24	0.10	0.05	5.10	0.55	0.36	0.09
2.55	0.25	0.10	0.06	5.15	0.56	0.37	0.09

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.38	0.09	7.80	0.97	0.76	0.14
5.25	0.57	0.38	0.09	7.85	0.98	0.77	0.14
5.30	0.58	0.39	0.09	7.90	0.99	0.78	0.14
5.35	0.58	0.39	0.09	7.95	1.00	0.79	0.14
5.40	0.59	0.40	0.09	8.00	1.01	0.80	0.14
5.45	0.60	0.41	0.09	8.05	1.02	0.81	0.14
5.50	0.60	0.41	0.09	8.10	1.03	0.82	0.14
5.55	0.61	0.42	0.09	8.15	1.04	0.83	0.15
5.60	0.62	0.42	0.09	8.20	1.05	0.84	0.15
5.65	0.62	0.43	0.09	8.25	1.06	0.85	0.15
5.70	0.63	0.44	0.09	8.30	1.07	0.86	0.15
5.75	0.64	0.44	0.09	8.35	1.08	0.87	0.15
5.80	0.64	0.45	0.09	8.40	1.10	0.88	0.15
5.85	0.65	0.45	0.09	8.45	1.11	0.89	0.15
5.90	0.66	0.46	0.09	8.50	1.12	0.91	0.15
5.95	0.66	0.47	0.09	8.55	1.13	0.92	0.16
6.00	0.67	0.47	0.09	8.60	1.14	0.93	0.16
6.05	0.68	0.48	0.10	8.65	1.15	0.94	0.16
6.10	0.68	0.49	0.10	8.70	1.16	0.95	0.16
6.15	0.69	0.49	0.10	8.75	1.17	0.96	0.16
6.20	0.70	0.50	0.10	8.80	1.19	0.97	0.16
6.25	0.70	0.51	0.10	8.85	1.20	0.98	0.16
6.30	0.71	0.51	0.10	8.90	1.21	0.99	0.17
6.35	0.72	0.52	0.10	8.95	1.22	1.01	0.17
6.40	0.73	0.53	0.10	9.00	1.23	1.02	0.17
6.45	0.73	0.54	0.10	9.05	1.25	1.03	0.17
6.50	0.74	0.54	0.10	9.10	1.26	1.04	0.17
6.55	0.75	0.55	0.10	9.15	1.27	1.05	0.17
6.60	0.76	0.56	0.10	9.20	1.28	1.07	0.17
6.65	0.77	0.57	0.11	9.25	1.30	1.08	0.18
6.70	0.77	0.57	0.11	9.30	1.31	1.09	0.18
6.75	0.78	0.58	0.11	9.35	1.33	1.11	0.18
6.80	0.79	0.59	0.11	9.40	1.34	1.12	0.19
6.85	0.80	0.60	0.11	9.45	1.35	1.14	0.19
6.90	0.81	0.60	0.11	9.50	1.37	1.15	0.19
6.95	0.81	0.61	0.11	9.55	1.39	1.17	0.20
7.00	0.82	0.62	0.11	9.60	1.40	1.18	0.20
7.05	0.83	0.63	0.12	9.65	1.42	1.20	0.21
7.10	0.84	0.64	0.12	9.70	1.43	1.21	0.21
7.15	0.85	0.65	0.12	9.75	1.45	1.23	0.22
7.20	0.86	0.65	0.12	9.80	1.47	1.25	0.22
7.25	0.87	0.66	0.12	9.85	1.49	1.27	0.23
7.30	0.88	0.67	0.12	9.90	1.50	1.28	0.23
7.35	0.89	0.68	0.12	9.95	1.52	1.30	0.24
7.40	0.89	0.69	0.13	10.00	1.54	1.32	0.24
7.45	0.90	0.70	0.13	10.05	1.56	1.34	0.24
7.50	0.91	0.71	0.13	10.10	1.58	1.36	0.25
7.55	0.92	0.72	0.13	10.15	1.60	1.37	0.25
7.60	0.93	0.73	0.13	10.20	1.62	1.39	0.26
7.65	0.94	0.73	0.13	10.25	1.64	1.41	0.26
7.70	0.95	0.74	0.13	10.30	1.66	1.43	0.27
7.75	0.96	0.75	0.13	10.35	1.68	1.45	0.27

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	1.47	0.28	13.00	6.41	6.18	1.04
10.45	1.72	1.50	0.28	13.05	6.45	6.21	0.95
10.50	1.74	1.52	0.29	13.10	6.48	6.24	0.88
10.55	1.76	1.54	0.29	13.15	6.51	6.27	0.82
10.60	1.79	1.56	0.30	13.20	6.54	6.30	0.76
10.65	1.81	1.59	0.30	13.25	6.57	6.33	0.71
10.70	1.84	1.62	0.31	13.30	6.60	6.36	0.66
10.75	1.87	1.64	0.32	13.35	6.63	6.39	0.62
10.80	1.90	1.67	0.33	13.40	6.65	6.41	0.59
10.85	1.93	1.70	0.34	13.45	6.68	6.44	0.55
10.90	1.96	1.73	0.35	13.50	6.70	6.46	0.52
10.95	1.99	1.77	0.37	13.55	6.72	6.48	0.50
11.00	2.03	1.80	0.39	13.60	6.74	6.50	0.47
11.05	2.06	1.84	0.40	13.65	6.76	6.53	0.45
11.10	2.10	1.87	0.42	13.70	6.78	6.55	0.43
11.15	2.14	1.92	0.44	13.75	6.80	6.57	0.41
11.20	2.19	1.96	0.46	13.80	6.82	6.59	0.39
11.25	2.23	2.01	0.48	13.85	6.84	6.61	0.37
11.30	2.28	2.05	0.50	13.90	6.86	6.62	0.36
11.35	2.33	2.10	0.53	13.95	6.88	6.64	0.35
11.40	2.38	2.16	0.56	14.00	6.90	6.66	0.34
11.45	2.44	2.21	0.59	14.05	6.92	6.68	0.33
11.50	2.49	2.26	0.62	14.10	6.94	6.70	0.32
11.55	2.58	2.35	0.65	14.15	6.95	6.72	0.31
11.60	2.66	2.43	0.69	14.20	6.97	6.73	0.31
11.65	2.75	2.52	0.73	14.25	6.99	6.75	0.30
11.70	2.84	2.61	0.79	14.30	7.01	6.77	0.30
11.75	2.97	2.74	0.86	14.35	7.02	6.78	0.29
11.80	3.09	2.86	0.94	14.40	7.04	6.80	0.28
11.85	3.26	3.03	1.04	14.45	7.05	6.82	0.28
11.90	3.43	3.20	1.15	14.50	7.07	6.83	0.27
11.95	3.73	3.49	1.29	14.55	7.09	6.85	0.27
12.00	4.02	3.79	1.47	14.60	7.10	6.86	0.26
12.05	4.52	4.28	1.71	14.65	7.11	6.88	0.26
12.10	5.01	4.77	2.04	14.70	7.13	6.89	0.25
12.15	5.18	4.94	2.47	14.75	7.14	6.90	0.25
12.20	5.35	5.11	2.99	14.80	7.16	6.92	0.24
12.25	5.47	5.24	3.49	14.85	7.17	6.93	0.24
12.30	5.60	5.36	3.87	14.90	7.18	6.94	0.23
12.35	5.69	5.45	**4.02**	14.95	7.19	6.96	0.23
12.40	5.78	5.54	3.94	15.00	7.21	6.97	0.23
12.45	5.86	5.62	3.70	15.05	7.22	6.98	0.22
12.50	5.95	5.71	3.35	15.10	7.23	6.99	0.22
12.55	6.00	5.76	2.96	15.15	7.24	7.00	0.21
12.60	6.06	5.82	2.60	15.20	7.25	7.02	0.21
12.65	6.11	5.87	2.30	15.25	7.27	7.03	0.20
12.70	6.16	5.92	2.03	15.30	7.28	7.04	0.20
12.75	6.21	5.97	1.80	15.35	7.29	7.05	0.19
12.80	6.25	6.02	1.60	15.40	7.30	7.06	0.19
12.85	6.30	6.06	1.42	15.45	7.31	7.07	0.19
12.90	6.34	6.10	1.27	15.50	7.32	7.08	0.18
12.95	6.38	6.14	1.15	15.55	7.33	7.09	0.18

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	7.10	0.18	18.20	7.80	7.56	0.11
15.65	7.36	7.12	0.18	18.25	7.80	7.57	0.11
15.70	7.37	7.13	0.18	18.30	7.81	7.57	0.11
15.75	7.38	7.14	0.17	18.35	7.82	7.58	0.11
15.80	7.39	7.15	0.17	18.40	7.82	7.59	0.11
15.85	7.40	7.16	0.17	18.45	7.83	7.59	0.11
15.90	7.41	7.17	0.17	18.50	7.84	7.60	0.10
15.95	7.42	7.18	0.17	18.55	7.84	7.61	0.10
16.00	7.43	7.19	0.17	18.60	7.85	7.61	0.10
16.05	7.44	7.20	0.17	18.65	7.86	7.62	0.10
16.10	7.45	7.21	0.16	18.70	7.86	7.62	0.10
16.15	7.46	7.22	0.16	18.75	7.87	7.63	0.10
16.20	7.47	7.23	0.16	18.80	7.88	7.64	0.10
16.25	7.48	7.24	0.16	18.85	7.88	7.64	0.10
16.30	7.49	7.25	0.16	18.90	7.89	7.65	0.10
16.35	7.50	7.26	0.16	18.95	7.90	7.66	0.10
16.40	7.51	7.27	0.16	19.00	7.90	7.66	0.10
16.45	7.52	7.28	0.16	19.05	7.91	7.67	0.10
16.50	7.53	7.29	0.15	19.10	7.92	7.68	0.10
16.55	7.54	7.30	0.15	19.15	7.92	7.68	0.10
16.60	7.55	7.31	0.15	19.20	7.93	7.69	0.10
16.65	7.55	7.32	0.15	19.25	7.93	7.70	0.10
16.70	7.56	7.32	0.15	19.30	7.94	7.70	0.10
16.75	7.57	7.33	0.15	19.35	7.95	7.71	0.10
16.80	7.58	7.34	0.15	19.40	7.95	7.71	0.10
16.85	7.59	7.35	0.15	19.45	7.96	7.72	0.10
16.90	7.60	7.36	0.14	19.50	7.97	7.73	0.10
16.95	7.61	7.37	0.14	19.55	7.97	7.73	0.10
17.00	7.62	7.38	0.14	19.60	7.98	7.74	0.10
17.05	7.63	7.39	0.14	19.65	7.98	7.74	0.10
17.10	7.63	7.39	0.14	19.70	7.99	7.75	0.10
17.15	7.64	7.40	0.14	19.75	8.00	7.76	0.10
17.20	7.65	7.41	0.14	19.80	8.00	7.76	0.10
17.25	7.66	7.42	0.14	19.85	8.01	7.77	0.10
17.30	7.67	7.43	0.13	19.90	8.01	7.78	0.09
17.35	7.67	7.43	0.13	19.95	8.02	7.78	0.09
17.40	7.68	7.44	0.13	20.00	8.03	7.79	0.09
17.45	7.69	7.45	0.13	20.05	8.03	7.79	0.09
17.50	7.70	7.46	0.13	20.10	8.04	7.80	0.09
17.55	7.71	7.47	0.13	20.15	8.04	7.80	0.09
17.60	7.71	7.47	0.13	20.20	8.05	7.81	0.09
17.65	7.72	7.48	0.12	20.25	8.06	7.82	0.09
17.70	7.73	7.49	0.12	20.30	8.06	7.82	0.09
17.75	7.74	7.50	0.12	20.35	8.07	7.83	0.09
17.80	7.74	7.50	0.12	20.40	8.07	7.83	0.09
17.85	7.75	7.51	0.12	20.45	8.08	7.84	0.09
17.90	7.76	7.52	0.12	20.50	8.09	7.85	0.09
17.95	7.76	7.52	0.12	20.55	8.09	7.85	0.09
18.00	7.77	7.53	0.12	20.60	8.10	7.86	0.09
18.05	7.78	7.54	0.11	20.65	8.10	7.86	0.09
18.10	7.78	7.55	0.11	20.70	8.11	7.87	0.09
18.15	7.79	7.55	0.11	20.75	8.11	7.87	0.09

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	7.88	0.09	23.40	8.38	8.14	0.07
20.85	8.13	7.89	0.09	23.45	8.39	8.15	0.07
20.90	8.13	7.89	0.09	23.50	8.39	8.15	0.07
20.95	8.14	7.90	0.09	23.55	8.40	8.16	0.07
21.00	8.14	7.90	0.09	23.60	8.40	8.16	0.07
21.05	8.15	7.91	0.09	23.65	8.41	8.17	0.07
21.10	8.15	7.91	0.09	23.70	8.41	8.17	0.07
21.15	8.16	7.92	0.09	23.75	8.42	8.18	0.07
21.20	8.16	7.92	0.09	23.80	8.42	8.18	0.07
21.25	8.17	7.93	0.09	23.85	8.42	8.18	0.07
21.30	8.18	7.94	0.09	23.90	8.43	8.19	0.07
21.35	8.18	7.94	0.09	23.95	8.43	8.19	0.07
21.40	8.19	7.95	0.09	24.00	**8.44**	**8.20**	0.07
21.45	8.19	7.95	0.08	24.05	8.44	8.20	0.07
21.50	8.20	7.96	0.08	24.10	8.44	8.20	0.07
21.55	8.20	7.96	0.08	24.15	8.44	8.20	0.07
21.60	8.21	7.97	0.08	24.20	8.44	8.20	0.06
21.65	8.21	7.97	0.08	24.25	8.44	8.20	0.06
21.70	8.22	7.98	0.08	24.30	8.44	8.20	0.05
21.75	8.22	7.98	0.08	24.35	8.44	8.20	0.04
21.80	8.23	7.99	0.08	24.40	8.44	8.20	0.03
21.85	8.23	7.99	0.08	24.45	8.44	8.20	0.02
21.90	8.24	8.00	0.08	24.50	8.44	8.20	0.02
21.95	8.24	8.00	0.08	24.55	8.44	8.20	0.01
22.00	8.25	8.01	0.08	24.60	8.44	8.20	0.01
22.05	8.25	8.01	0.08	24.65	8.44	8.20	0.01
22.10	8.26	8.02	0.08	24.70	8.44	8.20	0.01
22.15	8.26	8.02	0.08	24.75	8.44	8.20	0.00
22.20	8.27	8.03	0.08	24.80	8.44	8.20	0.00
22.25	8.27	8.03	0.08	24.85	8.44	8.20	0.00
22.30	8.28	8.04	0.08	24.90	8.44	8.20	0.00
22.35	8.28	8.04	0.08	24.95	8.44	8.20	0.00
22.40	8.29	8.05	0.08	25.00	8.44	8.20	0.00
22.45	8.29	8.05	0.08	25.05	8.44	8.20	0.00
22.50	8.30	8.06	0.08	25.10	8.44	8.20	0.00
22.55	8.30	8.06	0.08	25.15	8.44	8.20	0.00
22.60	8.31	8.07	0.08	25.20	8.44	8.20	0.00
22.65	8.31	8.07	0.08	25.25	8.44	8.20	0.00
22.70	8.32	8.08	0.08	25.30	8.44	8.20	0.00
22.75	8.32	8.08	0.08	25.35	8.44	8.20	0.00
22.80	8.33	8.09	0.08	25.40	8.44	8.20	0.00
22.85	8.33	8.09	0.08	25.45	8.44	8.20	0.00
22.90	8.34	8.10	0.08	25.50	8.44	8.20	0.00
22.95	8.34	8.10	0.08	25.55	8.44	8.20	0.00
23.00	8.35	8.11	0.07	25.60	8.44	8.20	0.00
23.05	8.35	8.11	0.07	25.65	8.44	8.20	0.00
23.10	8.36	8.12	0.07	25.70	8.44	8.20	0.00
23.15	8.36	8.12	0.07	25.75	8.44	8.20	0.00
23.20	8.37	8.13	0.07	25.80	8.44	8.20	0.00
23.25	8.37	8.13	0.07	25.85	8.44	8.20	0.00
23.30	8.38	8.14	0.07	25.90	8.44	8.20	0.00
23.35	8.38	8.14	0.07	25.95	8.44	8.20	0.00

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	8.20	0.00	28.60	8.44	8.20	0.00
26.05	8.44	8.20	0.00	28.65	8.44	8.20	0.00
26.10	8.44	8.20	0.00	28.70	8.44	8.20	0.00
26.15	8.44	8.20	0.00	28.75	8.44	8.20	0.00
26.20	8.44	8.20	0.00	28.80	8.44	8.20	0.00
26.25	8.44	8.20	0.00	28.85	8.44	8.20	0.00
26.30	8.44	8.20	0.00	28.90	8.44	8.20	0.00
26.35	8.44	8.20	0.00	28.95	8.44	8.20	0.00
26.40	8.44	8.20	0.00	29.00	8.44	8.20	0.00
26.45	8.44	8.20	0.00	29.05	8.44	8.20	0.00
26.50	8.44	8.20	0.00	29.10	8.44	8.20	0.00
26.55	8.44	8.20	0.00	29.15	8.44	8.20	0.00
26.60	8.44	8.20	0.00	29.20	8.44	8.20	0.00
26.65	8.44	8.20	0.00	29.25	8.44	8.20	0.00
26.70	8.44	8.20	0.00	29.30	8.44	8.20	0.00
26.75	8.44	8.20	0.00	29.35	8.44	8.20	0.00
26.80	8.44	8.20	0.00	29.40	8.44	8.20	0.00
26.85	8.44	8.20	0.00	29.45	8.44	8.20	0.00
26.90	8.44	8.20	0.00	29.50	8.44	8.20	0.00
26.95	8.44	8.20	0.00	29.55	8.44	8.20	0.00
27.00	8.44	8.20	0.00	29.60	8.44	8.20	0.00
27.05	8.44	8.20	0.00	29.65	8.44	8.20	0.00
27.10	8.44	8.20	0.00	29.70	8.44	8.20	0.00
27.15	8.44	8.20	0.00	29.75	8.44	8.20	0.00
27.20	8.44	8.20	0.00	29.80	8.44	8.20	0.00
27.25	8.44	8.20	0.00	29.85	8.44	8.20	0.00
27.30	8.44	8.20	0.00	29.90	8.44	8.20	0.00
27.35	8.44	8.20	0.00	29.95	8.44	8.20	0.00
27.40	8.44	8.20	0.00	30.00	8.44	8.20	0.00
27.45	8.44	8.20	0.00	30.05	8.44	8.20	0.00
27.50	8.44	8.20	0.00	30.10	8.44	8.20	0.00
27.55	8.44	8.20	0.00	30.15	8.44	8.20	0.00
27.60	8.44	8.20	0.00	30.20	8.44	8.20	0.00
27.65	8.44	8.20	0.00	30.25	8.44	8.20	0.00
27.70	8.44	8.20	0.00	30.30	8.44	8.20	0.00
27.75	8.44	8.20	0.00	30.35	8.44	8.20	0.00
27.80	8.44	8.20	0.00	30.40	8.44	8.20	0.00
27.85	8.44	8.20	0.00	30.45	8.44	8.20	0.00
27.90	8.44	8.20	0.00	30.50	8.44	8.20	0.00
27.95	8.44	8.20	0.00	30.55	8.44	8.20	0.00
28.00	8.44	8.20	0.00	30.60	8.44	8.20	0.00
28.05	8.44	8.20	0.00	30.65	8.44	8.20	0.00
28.10	8.44	8.20	0.00	30.70	8.44	8.20	0.00
28.15	8.44	8.20	0.00	30.75	8.44	8.20	0.00
28.20	8.44	8.20	0.00	30.80	8.44	8.20	0.00
28.25	8.44	8.20	0.00	30.85	8.44	8.20	0.00
28.30	8.44	8.20	0.00	30.90	8.44	8.20	0.00
28.35	8.44	8.20	0.00	30.95	8.44	8.20	0.00
28.40	8.44	8.20	0.00	31.00	8.44	8.20	0.00
28.45	8.44	8.20	0.00	31.05	8.44	8.20	0.00
28.50	8.44	8.20	0.00	31.10	8.44	8.20	0.00
28.55	8.44	8.20	0.00	31.15	8.44	8.20	0.00

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	8.20	0.00	33.80	8.44	8.20	0.00
31.25	8.44	8.20	0.00	33.85	8.44	8.20	0.00
31.30	8.44	8.20	0.00	33.90	8.44	8.20	0.00
31.35	8.44	8.20	0.00	33.95	8.44	8.20	0.00
31.40	8.44	8.20	0.00	34.00	8.44	8.20	0.00
31.45	8.44	8.20	0.00	34.05	8.44	8.20	0.00
31.50	8.44	8.20	0.00	34.10	8.44	8.20	0.00
31.55	8.44	8.20	0.00	34.15	8.44	8.20	0.00
31.60	8.44	8.20	0.00	34.20	8.44	8.20	0.00
31.65	8.44	8.20	0.00	34.25	8.44	8.20	0.00
31.70	8.44	8.20	0.00	34.30	8.44	8.20	0.00
31.75	8.44	8.20	0.00	34.35	8.44	8.20	0.00
31.80	8.44	8.20	0.00	34.40	8.44	8.20	0.00
31.85	8.44	8.20	0.00	34.45	8.44	8.20	0.00
31.90	8.44	8.20	0.00	34.50	8.44	8.20	0.00
31.95	8.44	8.20	0.00	34.55	8.44	8.20	0.00
32.00	8.44	8.20	0.00	34.60	8.44	8.20	0.00
32.05	8.44	8.20	0.00	34.65	8.44	8.20	0.00
32.10	8.44	8.20	0.00	34.70	8.44	8.20	0.00
32.15	8.44	8.20	0.00	34.75	8.44	8.20	0.00
32.20	8.44	8.20	0.00	34.80	8.44	8.20	0.00
32.25	8.44	8.20	0.00	34.85	8.44	8.20	0.00
32.30	8.44	8.20	0.00	34.90	8.44	8.20	0.00
32.35	8.44	8.20	0.00	34.95	8.44	8.20	0.00
32.40	8.44	8.20	0.00	35.00	8.44	8.20	0.00
32.45	8.44	8.20	0.00	35.05	8.44	8.20	0.00
32.50	8.44	8.20	0.00	35.10	8.44	8.20	0.00
32.55	8.44	8.20	0.00	35.15	8.44	8.20	0.00
32.60	8.44	8.20	0.00	35.20	8.44	8.20	0.00
32.65	8.44	8.20	0.00	35.25	8.44	8.20	0.00
32.70	8.44	8.20	0.00	35.30	8.44	8.20	0.00
32.75	8.44	8.20	0.00	35.35	8.44	8.20	0.00
32.80	8.44	8.20	0.00	35.40	8.44	8.20	0.00
32.85	8.44	8.20	0.00	35.45	8.44	8.20	0.00
32.90	8.44	8.20	0.00	35.50	8.44	8.20	0.00
32.95	8.44	8.20	0.00	35.55	8.44	8.20	0.00
33.00	8.44	8.20	0.00	35.60	8.44	8.20	0.00
33.05	8.44	8.20	0.00	35.65	8.44	8.20	0.00
33.10	8.44	8.20	0.00	35.70	8.44	8.20	0.00
33.15	8.44	8.20	0.00	35.75	8.44	8.20	0.00
33.20	8.44	8.20	0.00	35.80	8.44	8.20	0.00
33.25	8.44	8.20	0.00	35.85	8.44	8.20	0.00
33.30	8.44	8.20	0.00	35.90	8.44	8.20	0.00
33.35	8.44	8.20	0.00	35.95	8.44	8.20	0.00
33.40	8.44	8.20	0.00	36.00	8.44	8.20	0.00
33.45	8.44	8.20	0.00	36.05	8.44	8.20	0.00
33.50	8.44	8.20	0.00	36.10	8.44	8.20	0.00
33.55	8.44	8.20	0.00	36.15	8.44	8.20	0.00
33.60	8.44	8.20	0.00	36.20	8.44	8.20	0.00
33.65	8.44	8.20	0.00	36.25	8.44	8.20	0.00
33.70	8.44	8.20	0.00	36.30	8.44	8.20	0.00
33.75	8.44	8.20	0.00	36.35	8.44	8.20	0.00

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	8.20	0.00
36.45	8.44	8.20	0.00
36.50	8.44	8.20	0.00
36.55	8.44	8.20	0.00
36.60	8.44	8.20	0.00
36.65	8.44	8.20	0.00
36.70	8.44	8.20	0.00
36.75	8.44	8.20	0.00
36.80	8.44	8.20	0.00
36.85	8.44	8.20	0.00
36.90	8.44	8.20	0.00
36.95	8.44	8.20	0.00
37.00	8.44	8.20	0.00
37.05	8.44	8.20	0.00
37.10	8.44	8.20	0.00
37.15	8.44	8.20	0.00
37.20	8.44	8.20	0.00
37.25	8.44	8.20	0.00
37.30	8.44	8.20	0.00
37.35	8.44	8.20	0.00
37.40	8.44	8.20	0.00
37.45	8.44	8.20	0.00
37.50	8.44	8.20	0.00
37.55	8.44	8.20	0.00
37.60	8.44	8.20	0.00
37.65	8.44	8.20	0.00
37.70	8.44	8.20	0.00
37.75	8.44	8.20	0.00
37.80	8.44	8.20	0.00
37.85	8.44	8.20	0.00
37.90	8.44	8.20	0.00
37.95	8.44	8.20	0.00
38.00	8.44	8.20	0.00
38.05	8.44	8.20	0.00
38.10	8.44	8.20	0.00
38.15	8.44	8.20	0.00
38.20	8.44	8.20	0.00
38.25	8.44	8.20	0.00
38.30	8.44	8.20	0.00
38.35	8.44	8.20	0.00
38.40	8.44	8.20	0.00
38.45	8.44	8.20	0.00
38.50	8.44	8.20	0.00
38.55	8.44	8.20	0.00
38.60	8.44	8.20	0.00
38.65	8.44	8.20	0.00
38.70	8.44	8.20	0.00
38.75	8.44	8.20	0.00
38.80	8.44	8.20	0.00
38.85	8.44	8.20	0.00
38.90	8.44	8.20	0.00
38.95	8.44	8.20	0.00
39.00	8.44	8.20	0.00
39.05	8.44	8.20	0.00
39.10	8.44	8.20	0.00
39.15	8.44	8.20	0.00
39.20	8.44	8.20	0.00
39.25	8.44	8.20	0.00
39.30	8.44	8.20	0.00
39.35	8.44	8.20	0.00
39.40	8.44	8.20	0.00
39.45	8.44	8.20	0.00
39.50	8.44	8.20	0.00
39.55	8.44	8.20	0.00
39.60	8.44	8.20	0.00
39.65	8.44	8.20	0.00
39.70	8.44	8.20	0.00
39.75	8.44	8.20	0.00
39.80	8.44	8.20	0.00
39.85	8.44	8.20	0.00
39.90	8.44	8.20	0.00
39.95	8.44	8.20	0.00
40.00	8.44	8.20	0.00

Summary for Subcatchment 51I: PDA-51 (impervious)

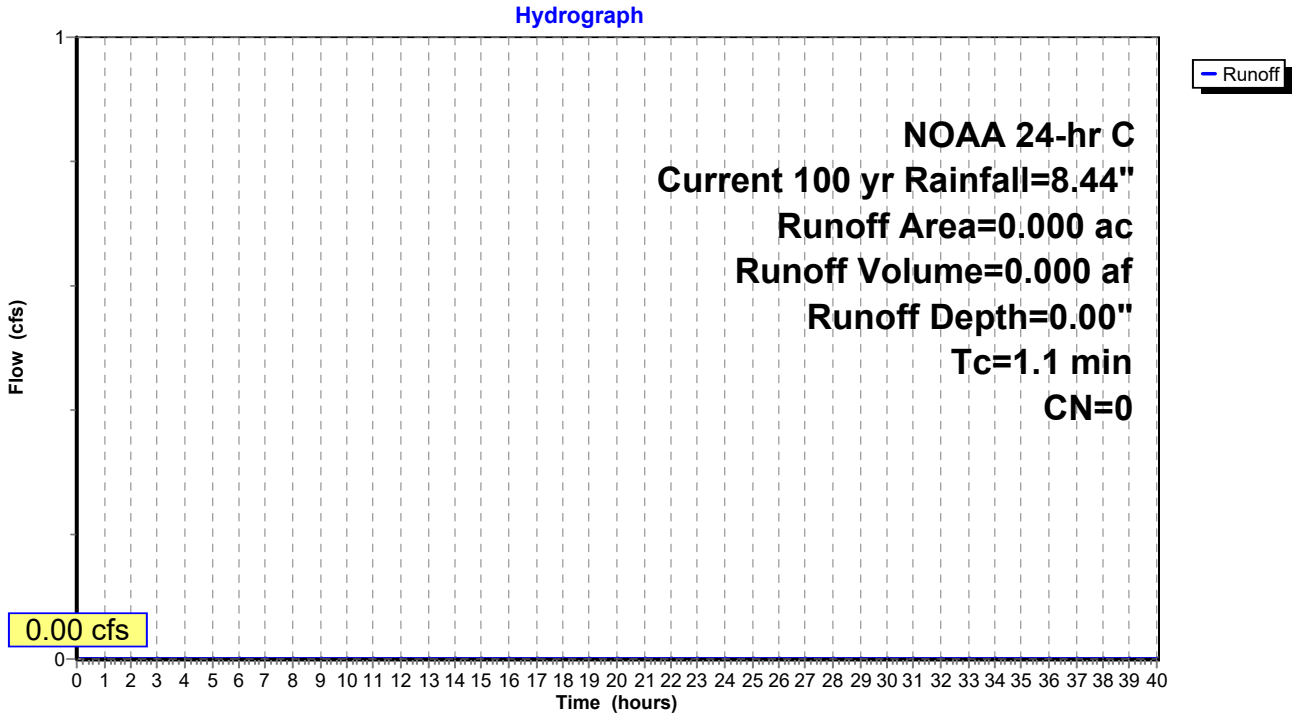
Runoff = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Depth= 0.00"
Routed to Pond B-51 : Basin #51

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

	Area (ac)	CN	Description
*	0.000	98	Roof, HSG C

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.1					**Direct Entry,**

Subcatchment 51I: PDA-51 (impervious)



Hydrograph for Subcatchment 51I: PDA-51 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	**0.00**	**0.00**	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.00	0.00
5.25	0.57	0.00	0.00	7.85	0.98	0.00	0.00
5.30	0.58	0.00	0.00	7.90	0.99	0.00	0.00
5.35	0.58	0.00	0.00	7.95	1.00	0.00	0.00
5.40	0.59	0.00	0.00	8.00	1.01	0.00	0.00
5.45	0.60	0.00	0.00	8.05	1.02	0.00	0.00
5.50	0.60	0.00	0.00	8.10	1.03	0.00	0.00
5.55	0.61	0.00	0.00	8.15	1.04	0.00	0.00
5.60	0.62	0.00	0.00	8.20	1.05	0.00	0.00
5.65	0.62	0.00	0.00	8.25	1.06	0.00	0.00
5.70	0.63	0.00	0.00	8.30	1.07	0.00	0.00
5.75	0.64	0.00	0.00	8.35	1.08	0.00	0.00
5.80	0.64	0.00	0.00	8.40	1.10	0.00	0.00
5.85	0.65	0.00	0.00	8.45	1.11	0.00	0.00
5.90	0.66	0.00	0.00	8.50	1.12	0.00	0.00
5.95	0.66	0.00	0.00	8.55	1.13	0.00	0.00
6.00	0.67	0.00	0.00	8.60	1.14	0.00	0.00
6.05	0.68	0.00	0.00	8.65	1.15	0.00	0.00
6.10	0.68	0.00	0.00	8.70	1.16	0.00	0.00
6.15	0.69	0.00	0.00	8.75	1.17	0.00	0.00
6.20	0.70	0.00	0.00	8.80	1.19	0.00	0.00
6.25	0.70	0.00	0.00	8.85	1.20	0.00	0.00
6.30	0.71	0.00	0.00	8.90	1.21	0.00	0.00
6.35	0.72	0.00	0.00	8.95	1.22	0.00	0.00
6.40	0.73	0.00	0.00	9.00	1.23	0.00	0.00
6.45	0.73	0.00	0.00	9.05	1.25	0.00	0.00
6.50	0.74	0.00	0.00	9.10	1.26	0.00	0.00
6.55	0.75	0.00	0.00	9.15	1.27	0.00	0.00
6.60	0.76	0.00	0.00	9.20	1.28	0.00	0.00
6.65	0.77	0.00	0.00	9.25	1.30	0.00	0.00
6.70	0.77	0.00	0.00	9.30	1.31	0.00	0.00
6.75	0.78	0.00	0.00	9.35	1.33	0.00	0.00
6.80	0.79	0.00	0.00	9.40	1.34	0.00	0.00
6.85	0.80	0.00	0.00	9.45	1.35	0.00	0.00
6.90	0.81	0.00	0.00	9.50	1.37	0.00	0.00
6.95	0.81	0.00	0.00	9.55	1.39	0.00	0.00
7.00	0.82	0.00	0.00	9.60	1.40	0.00	0.00
7.05	0.83	0.00	0.00	9.65	1.42	0.00	0.00
7.10	0.84	0.00	0.00	9.70	1.43	0.00	0.00
7.15	0.85	0.00	0.00	9.75	1.45	0.00	0.00
7.20	0.86	0.00	0.00	9.80	1.47	0.00	0.00
7.25	0.87	0.00	0.00	9.85	1.49	0.00	0.00
7.30	0.88	0.00	0.00	9.90	1.50	0.00	0.00
7.35	0.89	0.00	0.00	9.95	1.52	0.00	0.00
7.40	0.89	0.00	0.00	10.00	1.54	0.00	0.00
7.45	0.90	0.00	0.00	10.05	1.56	0.00	0.00
7.50	0.91	0.00	0.00	10.10	1.58	0.00	0.00
7.55	0.92	0.00	0.00	10.15	1.60	0.00	0.00
7.60	0.93	0.00	0.00	10.20	1.62	0.00	0.00
7.65	0.94	0.00	0.00	10.25	1.64	0.00	0.00
7.70	0.95	0.00	0.00	10.30	1.66	0.00	0.00
7.75	0.96	0.00	0.00	10.35	1.68	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.00	0.00	13.00	6.41	0.00	0.00
10.45	1.72	0.00	0.00	13.05	6.45	0.00	0.00
10.50	1.74	0.00	0.00	13.10	6.48	0.00	0.00
10.55	1.76	0.00	0.00	13.15	6.51	0.00	0.00
10.60	1.79	0.00	0.00	13.20	6.54	0.00	0.00
10.65	1.81	0.00	0.00	13.25	6.57	0.00	0.00
10.70	1.84	0.00	0.00	13.30	6.60	0.00	0.00
10.75	1.87	0.00	0.00	13.35	6.63	0.00	0.00
10.80	1.90	0.00	0.00	13.40	6.65	0.00	0.00
10.85	1.93	0.00	0.00	13.45	6.68	0.00	0.00
10.90	1.96	0.00	0.00	13.50	6.70	0.00	0.00
10.95	1.99	0.00	0.00	13.55	6.72	0.00	0.00
11.00	2.03	0.00	0.00	13.60	6.74	0.00	0.00
11.05	2.06	0.00	0.00	13.65	6.76	0.00	0.00
11.10	2.10	0.00	0.00	13.70	6.78	0.00	0.00
11.15	2.14	0.00	0.00	13.75	6.80	0.00	0.00
11.20	2.19	0.00	0.00	13.80	6.82	0.00	0.00
11.25	2.23	0.00	0.00	13.85	6.84	0.00	0.00
11.30	2.28	0.00	0.00	13.90	6.86	0.00	0.00
11.35	2.33	0.00	0.00	13.95	6.88	0.00	0.00
11.40	2.38	0.00	0.00	14.00	6.90	0.00	0.00
11.45	2.44	0.00	0.00	14.05	6.92	0.00	0.00
11.50	2.49	0.00	0.00	14.10	6.94	0.00	0.00
11.55	2.58	0.00	0.00	14.15	6.95	0.00	0.00
11.60	2.66	0.00	0.00	14.20	6.97	0.00	0.00
11.65	2.75	0.00	0.00	14.25	6.99	0.00	0.00
11.70	2.84	0.00	0.00	14.30	7.01	0.00	0.00
11.75	2.97	0.00	0.00	14.35	7.02	0.00	0.00
11.80	3.09	0.00	0.00	14.40	7.04	0.00	0.00
11.85	3.26	0.00	0.00	14.45	7.05	0.00	0.00
11.90	3.43	0.00	0.00	14.50	7.07	0.00	0.00
11.95	3.73	0.00	0.00	14.55	7.09	0.00	0.00
12.00	4.02	0.00	0.00	14.60	7.10	0.00	0.00
12.05	4.52	0.00	0.00	14.65	7.11	0.00	0.00
12.10	5.01	0.00	0.00	14.70	7.13	0.00	0.00
12.15	5.18	0.00	0.00	14.75	7.14	0.00	0.00
12.20	5.35	0.00	0.00	14.80	7.16	0.00	0.00
12.25	5.47	0.00	0.00	14.85	7.17	0.00	0.00
12.30	5.60	0.00	0.00	14.90	7.18	0.00	0.00
12.35	5.69	0.00	0.00	14.95	7.19	0.00	0.00
12.40	5.78	0.00	0.00	15.00	7.21	0.00	0.00
12.45	5.86	0.00	0.00	15.05	7.22	0.00	0.00
12.50	5.95	0.00	0.00	15.10	7.23	0.00	0.00
12.55	6.00	0.00	0.00	15.15	7.24	0.00	0.00
12.60	6.06	0.00	0.00	15.20	7.25	0.00	0.00
12.65	6.11	0.00	0.00	15.25	7.27	0.00	0.00
12.70	6.16	0.00	0.00	15.30	7.28	0.00	0.00
12.75	6.21	0.00	0.00	15.35	7.29	0.00	0.00
12.80	6.25	0.00	0.00	15.40	7.30	0.00	0.00
12.85	6.30	0.00	0.00	15.45	7.31	0.00	0.00
12.90	6.34	0.00	0.00	15.50	7.32	0.00	0.00
12.95	6.38	0.00	0.00	15.55	7.33	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	0.00	0.00	18.20	7.80	0.00	0.00
15.65	7.36	0.00	0.00	18.25	7.80	0.00	0.00
15.70	7.37	0.00	0.00	18.30	7.81	0.00	0.00
15.75	7.38	0.00	0.00	18.35	7.82	0.00	0.00
15.80	7.39	0.00	0.00	18.40	7.82	0.00	0.00
15.85	7.40	0.00	0.00	18.45	7.83	0.00	0.00
15.90	7.41	0.00	0.00	18.50	7.84	0.00	0.00
15.95	7.42	0.00	0.00	18.55	7.84	0.00	0.00
16.00	7.43	0.00	0.00	18.60	7.85	0.00	0.00
16.05	7.44	0.00	0.00	18.65	7.86	0.00	0.00
16.10	7.45	0.00	0.00	18.70	7.86	0.00	0.00
16.15	7.46	0.00	0.00	18.75	7.87	0.00	0.00
16.20	7.47	0.00	0.00	18.80	7.88	0.00	0.00
16.25	7.48	0.00	0.00	18.85	7.88	0.00	0.00
16.30	7.49	0.00	0.00	18.90	7.89	0.00	0.00
16.35	7.50	0.00	0.00	18.95	7.90	0.00	0.00
16.40	7.51	0.00	0.00	19.00	7.90	0.00	0.00
16.45	7.52	0.00	0.00	19.05	7.91	0.00	0.00
16.50	7.53	0.00	0.00	19.10	7.92	0.00	0.00
16.55	7.54	0.00	0.00	19.15	7.92	0.00	0.00
16.60	7.55	0.00	0.00	19.20	7.93	0.00	0.00
16.65	7.55	0.00	0.00	19.25	7.93	0.00	0.00
16.70	7.56	0.00	0.00	19.30	7.94	0.00	0.00
16.75	7.57	0.00	0.00	19.35	7.95	0.00	0.00
16.80	7.58	0.00	0.00	19.40	7.95	0.00	0.00
16.85	7.59	0.00	0.00	19.45	7.96	0.00	0.00
16.90	7.60	0.00	0.00	19.50	7.97	0.00	0.00
16.95	7.61	0.00	0.00	19.55	7.97	0.00	0.00
17.00	7.62	0.00	0.00	19.60	7.98	0.00	0.00
17.05	7.63	0.00	0.00	19.65	7.98	0.00	0.00
17.10	7.63	0.00	0.00	19.70	7.99	0.00	0.00
17.15	7.64	0.00	0.00	19.75	8.00	0.00	0.00
17.20	7.65	0.00	0.00	19.80	8.00	0.00	0.00
17.25	7.66	0.00	0.00	19.85	8.01	0.00	0.00
17.30	7.67	0.00	0.00	19.90	8.01	0.00	0.00
17.35	7.67	0.00	0.00	19.95	8.02	0.00	0.00
17.40	7.68	0.00	0.00	20.00	8.03	0.00	0.00
17.45	7.69	0.00	0.00	20.05	8.03	0.00	0.00
17.50	7.70	0.00	0.00	20.10	8.04	0.00	0.00
17.55	7.71	0.00	0.00	20.15	8.04	0.00	0.00
17.60	7.71	0.00	0.00	20.20	8.05	0.00	0.00
17.65	7.72	0.00	0.00	20.25	8.06	0.00	0.00
17.70	7.73	0.00	0.00	20.30	8.06	0.00	0.00
17.75	7.74	0.00	0.00	20.35	8.07	0.00	0.00
17.80	7.74	0.00	0.00	20.40	8.07	0.00	0.00
17.85	7.75	0.00	0.00	20.45	8.08	0.00	0.00
17.90	7.76	0.00	0.00	20.50	8.09	0.00	0.00
17.95	7.76	0.00	0.00	20.55	8.09	0.00	0.00
18.00	7.77	0.00	0.00	20.60	8.10	0.00	0.00
18.05	7.78	0.00	0.00	20.65	8.10	0.00	0.00
18.10	7.78	0.00	0.00	20.70	8.11	0.00	0.00
18.15	7.79	0.00	0.00	20.75	8.11	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	0.00	0.00	23.40	8.38	0.00	0.00
20.85	8.13	0.00	0.00	23.45	8.39	0.00	0.00
20.90	8.13	0.00	0.00	23.50	8.39	0.00	0.00
20.95	8.14	0.00	0.00	23.55	8.40	0.00	0.00
21.00	8.14	0.00	0.00	23.60	8.40	0.00	0.00
21.05	8.15	0.00	0.00	23.65	8.41	0.00	0.00
21.10	8.15	0.00	0.00	23.70	8.41	0.00	0.00
21.15	8.16	0.00	0.00	23.75	8.42	0.00	0.00
21.20	8.16	0.00	0.00	23.80	8.42	0.00	0.00
21.25	8.17	0.00	0.00	23.85	8.42	0.00	0.00
21.30	8.18	0.00	0.00	23.90	8.43	0.00	0.00
21.35	8.18	0.00	0.00	23.95	8.43	0.00	0.00
21.40	8.19	0.00	0.00	24.00	**8.44**	0.00	0.00
21.45	8.19	0.00	0.00	24.05	8.44	0.00	0.00
21.50	8.20	0.00	0.00	24.10	8.44	0.00	0.00
21.55	8.20	0.00	0.00	24.15	8.44	0.00	0.00
21.60	8.21	0.00	0.00	24.20	8.44	0.00	0.00
21.65	8.21	0.00	0.00	24.25	8.44	0.00	0.00
21.70	8.22	0.00	0.00	24.30	8.44	0.00	0.00
21.75	8.22	0.00	0.00	24.35	8.44	0.00	0.00
21.80	8.23	0.00	0.00	24.40	8.44	0.00	0.00
21.85	8.23	0.00	0.00	24.45	8.44	0.00	0.00
21.90	8.24	0.00	0.00	24.50	8.44	0.00	0.00
21.95	8.24	0.00	0.00	24.55	8.44	0.00	0.00
22.00	8.25	0.00	0.00	24.60	8.44	0.00	0.00
22.05	8.25	0.00	0.00	24.65	8.44	0.00	0.00
22.10	8.26	0.00	0.00	24.70	8.44	0.00	0.00
22.15	8.26	0.00	0.00	24.75	8.44	0.00	0.00
22.20	8.27	0.00	0.00	24.80	8.44	0.00	0.00
22.25	8.27	0.00	0.00	24.85	8.44	0.00	0.00
22.30	8.28	0.00	0.00	24.90	8.44	0.00	0.00
22.35	8.28	0.00	0.00	24.95	8.44	0.00	0.00
22.40	8.29	0.00	0.00	25.00	8.44	0.00	0.00
22.45	8.29	0.00	0.00	25.05	8.44	0.00	0.00
22.50	8.30	0.00	0.00	25.10	8.44	0.00	0.00
22.55	8.30	0.00	0.00	25.15	8.44	0.00	0.00
22.60	8.31	0.00	0.00	25.20	8.44	0.00	0.00
22.65	8.31	0.00	0.00	25.25	8.44	0.00	0.00
22.70	8.32	0.00	0.00	25.30	8.44	0.00	0.00
22.75	8.32	0.00	0.00	25.35	8.44	0.00	0.00
22.80	8.33	0.00	0.00	25.40	8.44	0.00	0.00
22.85	8.33	0.00	0.00	25.45	8.44	0.00	0.00
22.90	8.34	0.00	0.00	25.50	8.44	0.00	0.00
22.95	8.34	0.00	0.00	25.55	8.44	0.00	0.00
23.00	8.35	0.00	0.00	25.60	8.44	0.00	0.00
23.05	8.35	0.00	0.00	25.65	8.44	0.00	0.00
23.10	8.36	0.00	0.00	25.70	8.44	0.00	0.00
23.15	8.36	0.00	0.00	25.75	8.44	0.00	0.00
23.20	8.37	0.00	0.00	25.80	8.44	0.00	0.00
23.25	8.37	0.00	0.00	25.85	8.44	0.00	0.00
23.30	8.38	0.00	0.00	25.90	8.44	0.00	0.00
23.35	8.38	0.00	0.00	25.95	8.44	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	0.00	0.00	28.60	8.44	0.00	0.00
26.05	8.44	0.00	0.00	28.65	8.44	0.00	0.00
26.10	8.44	0.00	0.00	28.70	8.44	0.00	0.00
26.15	8.44	0.00	0.00	28.75	8.44	0.00	0.00
26.20	8.44	0.00	0.00	28.80	8.44	0.00	0.00
26.25	8.44	0.00	0.00	28.85	8.44	0.00	0.00
26.30	8.44	0.00	0.00	28.90	8.44	0.00	0.00
26.35	8.44	0.00	0.00	28.95	8.44	0.00	0.00
26.40	8.44	0.00	0.00	29.00	8.44	0.00	0.00
26.45	8.44	0.00	0.00	29.05	8.44	0.00	0.00
26.50	8.44	0.00	0.00	29.10	8.44	0.00	0.00
26.55	8.44	0.00	0.00	29.15	8.44	0.00	0.00
26.60	8.44	0.00	0.00	29.20	8.44	0.00	0.00
26.65	8.44	0.00	0.00	29.25	8.44	0.00	0.00
26.70	8.44	0.00	0.00	29.30	8.44	0.00	0.00
26.75	8.44	0.00	0.00	29.35	8.44	0.00	0.00
26.80	8.44	0.00	0.00	29.40	8.44	0.00	0.00
26.85	8.44	0.00	0.00	29.45	8.44	0.00	0.00
26.90	8.44	0.00	0.00	29.50	8.44	0.00	0.00
26.95	8.44	0.00	0.00	29.55	8.44	0.00	0.00
27.00	8.44	0.00	0.00	29.60	8.44	0.00	0.00
27.05	8.44	0.00	0.00	29.65	8.44	0.00	0.00
27.10	8.44	0.00	0.00	29.70	8.44	0.00	0.00
27.15	8.44	0.00	0.00	29.75	8.44	0.00	0.00
27.20	8.44	0.00	0.00	29.80	8.44	0.00	0.00
27.25	8.44	0.00	0.00	29.85	8.44	0.00	0.00
27.30	8.44	0.00	0.00	29.90	8.44	0.00	0.00
27.35	8.44	0.00	0.00	29.95	8.44	0.00	0.00
27.40	8.44	0.00	0.00	30.00	8.44	0.00	0.00
27.45	8.44	0.00	0.00	30.05	8.44	0.00	0.00
27.50	8.44	0.00	0.00	30.10	8.44	0.00	0.00
27.55	8.44	0.00	0.00	30.15	8.44	0.00	0.00
27.60	8.44	0.00	0.00	30.20	8.44	0.00	0.00
27.65	8.44	0.00	0.00	30.25	8.44	0.00	0.00
27.70	8.44	0.00	0.00	30.30	8.44	0.00	0.00
27.75	8.44	0.00	0.00	30.35	8.44	0.00	0.00
27.80	8.44	0.00	0.00	30.40	8.44	0.00	0.00
27.85	8.44	0.00	0.00	30.45	8.44	0.00	0.00
27.90	8.44	0.00	0.00	30.50	8.44	0.00	0.00
27.95	8.44	0.00	0.00	30.55	8.44	0.00	0.00
28.00	8.44	0.00	0.00	30.60	8.44	0.00	0.00
28.05	8.44	0.00	0.00	30.65	8.44	0.00	0.00
28.10	8.44	0.00	0.00	30.70	8.44	0.00	0.00
28.15	8.44	0.00	0.00	30.75	8.44	0.00	0.00
28.20	8.44	0.00	0.00	30.80	8.44	0.00	0.00
28.25	8.44	0.00	0.00	30.85	8.44	0.00	0.00
28.30	8.44	0.00	0.00	30.90	8.44	0.00	0.00
28.35	8.44	0.00	0.00	30.95	8.44	0.00	0.00
28.40	8.44	0.00	0.00	31.00	8.44	0.00	0.00
28.45	8.44	0.00	0.00	31.05	8.44	0.00	0.00
28.50	8.44	0.00	0.00	31.10	8.44	0.00	0.00
28.55	8.44	0.00	0.00	31.15	8.44	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	0.00	0.00	33.80	8.44	0.00	0.00
31.25	8.44	0.00	0.00	33.85	8.44	0.00	0.00
31.30	8.44	0.00	0.00	33.90	8.44	0.00	0.00
31.35	8.44	0.00	0.00	33.95	8.44	0.00	0.00
31.40	8.44	0.00	0.00	34.00	8.44	0.00	0.00
31.45	8.44	0.00	0.00	34.05	8.44	0.00	0.00
31.50	8.44	0.00	0.00	34.10	8.44	0.00	0.00
31.55	8.44	0.00	0.00	34.15	8.44	0.00	0.00
31.60	8.44	0.00	0.00	34.20	8.44	0.00	0.00
31.65	8.44	0.00	0.00	34.25	8.44	0.00	0.00
31.70	8.44	0.00	0.00	34.30	8.44	0.00	0.00
31.75	8.44	0.00	0.00	34.35	8.44	0.00	0.00
31.80	8.44	0.00	0.00	34.40	8.44	0.00	0.00
31.85	8.44	0.00	0.00	34.45	8.44	0.00	0.00
31.90	8.44	0.00	0.00	34.50	8.44	0.00	0.00
31.95	8.44	0.00	0.00	34.55	8.44	0.00	0.00
32.00	8.44	0.00	0.00	34.60	8.44	0.00	0.00
32.05	8.44	0.00	0.00	34.65	8.44	0.00	0.00
32.10	8.44	0.00	0.00	34.70	8.44	0.00	0.00
32.15	8.44	0.00	0.00	34.75	8.44	0.00	0.00
32.20	8.44	0.00	0.00	34.80	8.44	0.00	0.00
32.25	8.44	0.00	0.00	34.85	8.44	0.00	0.00
32.30	8.44	0.00	0.00	34.90	8.44	0.00	0.00
32.35	8.44	0.00	0.00	34.95	8.44	0.00	0.00
32.40	8.44	0.00	0.00	35.00	8.44	0.00	0.00
32.45	8.44	0.00	0.00	35.05	8.44	0.00	0.00
32.50	8.44	0.00	0.00	35.10	8.44	0.00	0.00
32.55	8.44	0.00	0.00	35.15	8.44	0.00	0.00
32.60	8.44	0.00	0.00	35.20	8.44	0.00	0.00
32.65	8.44	0.00	0.00	35.25	8.44	0.00	0.00
32.70	8.44	0.00	0.00	35.30	8.44	0.00	0.00
32.75	8.44	0.00	0.00	35.35	8.44	0.00	0.00
32.80	8.44	0.00	0.00	35.40	8.44	0.00	0.00
32.85	8.44	0.00	0.00	35.45	8.44	0.00	0.00
32.90	8.44	0.00	0.00	35.50	8.44	0.00	0.00
32.95	8.44	0.00	0.00	35.55	8.44	0.00	0.00
33.00	8.44	0.00	0.00	35.60	8.44	0.00	0.00
33.05	8.44	0.00	0.00	35.65	8.44	0.00	0.00
33.10	8.44	0.00	0.00	35.70	8.44	0.00	0.00
33.15	8.44	0.00	0.00	35.75	8.44	0.00	0.00
33.20	8.44	0.00	0.00	35.80	8.44	0.00	0.00
33.25	8.44	0.00	0.00	35.85	8.44	0.00	0.00
33.30	8.44	0.00	0.00	35.90	8.44	0.00	0.00
33.35	8.44	0.00	0.00	35.95	8.44	0.00	0.00
33.40	8.44	0.00	0.00	36.00	8.44	0.00	0.00
33.45	8.44	0.00	0.00	36.05	8.44	0.00	0.00
33.50	8.44	0.00	0.00	36.10	8.44	0.00	0.00
33.55	8.44	0.00	0.00	36.15	8.44	0.00	0.00
33.60	8.44	0.00	0.00	36.20	8.44	0.00	0.00
33.65	8.44	0.00	0.00	36.25	8.44	0.00	0.00
33.70	8.44	0.00	0.00	36.30	8.44	0.00	0.00
33.75	8.44	0.00	0.00	36.35	8.44	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	0.00	0.00
36.45	8.44	0.00	0.00
36.50	8.44	0.00	0.00
36.55	8.44	0.00	0.00
36.60	8.44	0.00	0.00
36.65	8.44	0.00	0.00
36.70	8.44	0.00	0.00
36.75	8.44	0.00	0.00
36.80	8.44	0.00	0.00
36.85	8.44	0.00	0.00
36.90	8.44	0.00	0.00
36.95	8.44	0.00	0.00
37.00	8.44	0.00	0.00
37.05	8.44	0.00	0.00
37.10	8.44	0.00	0.00
37.15	8.44	0.00	0.00
37.20	8.44	0.00	0.00
37.25	8.44	0.00	0.00
37.30	8.44	0.00	0.00
37.35	8.44	0.00	0.00
37.40	8.44	0.00	0.00
37.45	8.44	0.00	0.00
37.50	8.44	0.00	0.00
37.55	8.44	0.00	0.00
37.60	8.44	0.00	0.00
37.65	8.44	0.00	0.00
37.70	8.44	0.00	0.00
37.75	8.44	0.00	0.00
37.80	8.44	0.00	0.00
37.85	8.44	0.00	0.00
37.90	8.44	0.00	0.00
37.95	8.44	0.00	0.00
38.00	8.44	0.00	0.00
38.05	8.44	0.00	0.00
38.10	8.44	0.00	0.00
38.15	8.44	0.00	0.00
38.20	8.44	0.00	0.00
38.25	8.44	0.00	0.00
38.30	8.44	0.00	0.00
38.35	8.44	0.00	0.00
38.40	8.44	0.00	0.00
38.45	8.44	0.00	0.00
38.50	8.44	0.00	0.00
38.55	8.44	0.00	0.00
38.60	8.44	0.00	0.00
38.65	8.44	0.00	0.00
38.70	8.44	0.00	0.00
38.75	8.44	0.00	0.00
38.80	8.44	0.00	0.00
38.85	8.44	0.00	0.00
38.90	8.44	0.00	0.00
38.95	8.44	0.00	0.00
39.00	8.44	0.00	0.00
39.05	8.44	0.00	0.00
39.10	8.44	0.00	0.00
39.15	8.44	0.00	0.00
39.20	8.44	0.00	0.00
39.25	8.44	0.00	0.00
39.30	8.44	0.00	0.00
39.35	8.44	0.00	0.00
39.40	8.44	0.00	0.00
39.45	8.44	0.00	0.00
39.50	8.44	0.00	0.00
39.55	8.44	0.00	0.00
39.60	8.44	0.00	0.00
39.65	8.44	0.00	0.00
39.70	8.44	0.00	0.00
39.75	8.44	0.00	0.00
39.80	8.44	0.00	0.00
39.85	8.44	0.00	0.00
39.90	8.44	0.00	0.00
39.95	8.44	0.00	0.00
40.00	8.44	0.00	0.00

Summary for Subcatchment 51P: PDA-51 (pervious)

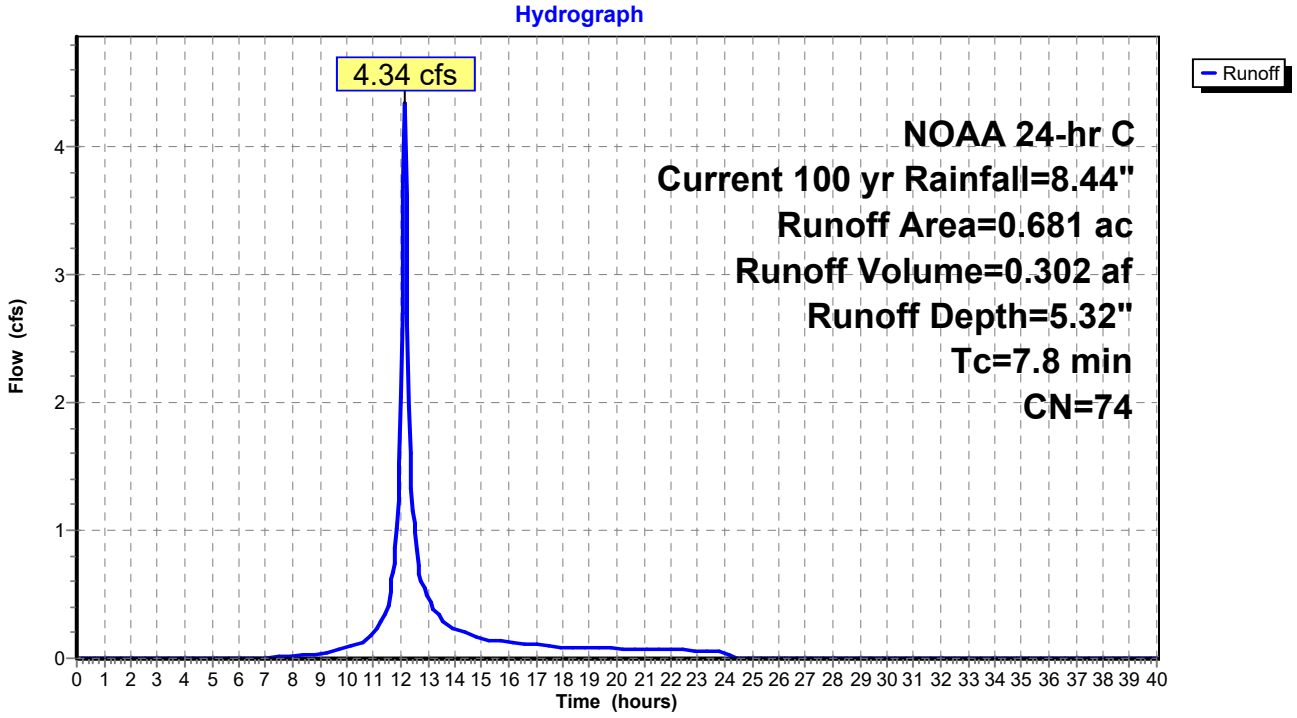
Runoff = 4.34 cfs @ 12.15 hrs, Volume= 0.302 af, Depth= 5.32"
Routed to Pond B-51 : Basin #51

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
0.681	74	>75% Grass cover, Good, HSG C
0.681		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
7.8					**Direct Entry,**

Subcatchment 51P: PDA-51 (pervious)



Hydrograph for Subcatchment 51P: PDA-51 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.02	0.02
5.25	0.57	0.00	0.00	7.85	0.98	0.02	0.02
5.30	0.58	0.00	0.00	7.90	0.99	0.02	0.02
5.35	0.58	0.00	0.00	7.95	1.00	0.02	0.02
5.40	0.59	0.00	0.00	8.00	1.01	0.02	0.02
5.45	0.60	0.00	0.00	8.05	1.02	0.03	0.02
5.50	0.60	0.00	0.00	8.10	1.03	0.03	0.02
5.55	0.61	0.00	0.00	8.15	1.04	0.03	0.02
5.60	0.62	0.00	0.00	8.20	1.05	0.03	0.02
5.65	0.62	0.00	0.00	8.25	1.06	0.03	0.02
5.70	0.63	0.00	0.00	8.30	1.07	0.04	0.02
5.75	0.64	0.00	0.00	8.35	1.08	0.04	0.03
5.80	0.64	0.00	0.00	8.40	1.10	0.04	0.03
5.85	0.65	0.00	0.00	8.45	1.11	0.04	0.03
5.90	0.66	0.00	0.00	8.50	1.12	0.04	0.03
5.95	0.66	0.00	0.00	8.55	1.13	0.05	0.03
6.00	0.67	0.00	0.00	8.60	1.14	0.05	0.03
6.05	0.68	0.00	0.00	8.65	1.15	0.05	0.03
6.10	0.68	0.00	0.00	8.70	1.16	0.05	0.03
6.15	0.69	0.00	0.00	8.75	1.17	0.06	0.03
6.20	0.70	0.00	0.00	8.80	1.19	0.06	0.03
6.25	0.70	0.00	0.00	8.85	1.20	0.06	0.03
6.30	0.71	0.00	0.00	8.90	1.21	0.06	0.04
6.35	0.72	0.00	0.00	8.95	1.22	0.07	0.04
6.40	0.73	0.00	0.00	9.00	1.23	0.07	0.04
6.45	0.73	0.00	0.00	9.05	1.25	0.07	0.04
6.50	0.74	0.00	0.00	9.10	1.26	0.08	0.04
6.55	0.75	0.00	0.00	9.15	1.27	0.08	0.04
6.60	0.76	0.00	0.00	9.20	1.28	0.08	0.04
6.65	0.77	0.00	0.00	9.25	1.30	0.09	0.05
6.70	0.77	0.00	0.00	9.30	1.31	0.09	0.05
6.75	0.78	0.00	0.00	9.35	1.33	0.09	0.05
6.80	0.79	0.00	0.00	9.40	1.34	0.10	0.05
6.85	0.80	0.00	0.00	9.45	1.35	0.10	0.05
6.90	0.81	0.00	0.01	9.50	1.37	0.11	0.06
6.95	0.81	0.00	0.01	9.55	1.39	0.11	0.06
7.00	0.82	0.00	0.01	9.60	1.40	0.12	0.06
7.05	0.83	0.00	0.01	9.65	1.42	0.12	0.06
7.10	0.84	0.01	0.01	9.70	1.43	0.13	0.07
7.15	0.85	0.01	0.01	9.75	1.45	0.13	0.07
7.20	0.86	0.01	0.01	9.80	1.47	0.14	0.07
7.25	0.87	0.01	0.01	9.85	1.49	0.14	0.07
7.30	0.88	0.01	0.01	9.90	1.50	0.15	0.08
7.35	0.89	0.01	0.01	9.95	1.52	0.15	0.08
7.40	0.89	0.01	0.01	10.00	1.54	0.16	0.08
7.45	0.90	0.01	0.01	10.05	1.56	0.17	0.08
7.50	0.91	0.01	0.01	10.10	1.58	0.17	0.09
7.55	0.92	0.01	0.01	10.15	1.60	0.18	0.09
7.60	0.93	0.01	0.01	10.20	1.62	0.19	0.09
7.65	0.94	0.02	0.01	10.25	1.64	0.20	0.10
7.70	0.95	0.02	0.02	10.30	1.66	0.20	0.10
7.75	0.96	0.02	0.02	10.35	1.68	0.21	0.10

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.22	0.11	13.00	6.41	3.54	0.48
10.45	1.72	0.23	0.11	13.05	6.45	3.57	0.46
10.50	1.74	0.24	0.11	13.10	6.48	3.59	0.43
10.55	1.76	0.25	0.12	13.15	6.51	3.62	0.41
10.60	1.79	0.26	0.12	13.20	6.54	3.65	0.39
10.65	1.81	0.27	0.13	13.25	6.57	3.67	0.37
10.70	1.84	0.28	0.14	13.30	6.60	3.70	0.36
10.75	1.87	0.29	0.15	13.35	6.63	3.72	0.34
10.80	1.90	0.30	0.16	13.40	6.65	3.74	0.33
10.85	1.93	0.32	0.17	13.45	6.68	3.76	0.32
10.90	1.96	0.33	0.18	13.50	6.70	3.78	0.30
10.95	1.99	0.35	0.19	13.55	6.72	3.80	0.29
11.00	2.03	0.36	0.20	13.60	6.74	3.82	0.27
11.05	2.06	0.38	0.21	13.65	6.76	3.84	0.26
11.10	2.10	0.40	0.23	13.70	6.78	3.85	0.25
11.15	2.14	0.42	0.24	13.75	6.80	3.87	0.25
11.20	2.19	0.44	0.26	13.80	6.82	3.89	0.24
11.25	2.23	0.46	0.28	13.85	6.84	3.91	0.24
11.30	2.28	0.49	0.30	13.90	6.86	3.92	0.24
11.35	2.33	0.52	0.32	13.95	6.88	3.94	0.23
11.40	2.38	0.54	0.35	14.00	6.90	3.96	0.23
11.45	2.44	0.57	0.37	14.05	6.92	3.97	0.23
11.50	2.49	0.60	0.39	14.10	6.94	3.99	0.22
11.55	2.58	0.65	0.43	14.15	6.95	4.00	0.22
11.60	2.66	0.70	0.52	14.20	6.97	4.02	0.21
11.65	2.75	0.76	0.61	14.25	6.99	4.03	0.21
11.70	2.84	0.81	0.68	14.30	7.01	4.05	0.21
11.75	2.97	0.89	0.74	14.35	7.02	4.06	0.20
11.80	3.09	0.97	0.86	14.40	7.04	4.08	0.20
11.85	3.26	1.08	1.02	14.45	7.05	4.09	0.20
11.90	3.43	1.19	1.24	14.50	7.07	4.10	0.19
11.95	3.73	1.40	1.52	14.55	7.09	4.12	0.19
12.00	4.02	1.61	2.04	14.60	7.10	4.13	0.19
12.05	4.52	1.98	2.70	14.65	7.11	4.14	0.18
12.10	5.01	2.37	3.68	14.70	7.13	4.15	0.18
12.15	5.18	2.51	**4.34**	14.75	7.14	4.17	0.17
12.20	5.35	2.65	3.62	14.80	7.16	4.18	0.17
12.25	5.47	2.75	2.59	14.85	7.17	4.19	0.17
12.30	5.60	2.85	1.97	14.90	7.18	4.20	0.16
12.35	5.69	2.92	1.60	14.95	7.19	4.21	0.16
12.40	5.78	3.00	1.33	15.00	7.21	4.22	0.16
12.45	5.86	3.07	1.14	15.05	7.22	4.23	0.15
12.50	5.95	3.14	1.05	15.10	7.23	4.24	0.15
12.55	6.00	3.19	0.98	15.15	7.24	4.25	0.14
12.60	6.06	3.23	0.85	15.20	7.25	4.26	0.14
12.65	6.11	3.28	0.72	15.25	7.27	4.27	0.14
12.70	6.16	3.32	0.65	15.30	7.28	4.28	0.14
12.75	6.21	3.36	0.62	15.35	7.29	4.29	0.14
12.80	6.25	3.40	0.59	15.40	7.30	4.30	0.14
12.85	6.30	3.44	0.56	15.45	7.31	4.31	0.14
12.90	6.34	3.47	0.53	15.50	7.32	4.32	0.14
12.95	6.38	3.50	0.51	15.55	7.33	4.33	0.14

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	4.34	0.13	18.20	7.80	4.75	0.08
15.65	7.36	4.35	0.13	18.25	7.80	4.75	0.08
15.70	7.37	4.36	0.13	18.30	7.81	4.76	0.08
15.75	7.38	4.37	0.13	18.35	7.82	4.76	0.08
15.80	7.39	4.38	0.13	18.40	7.82	4.77	0.08
15.85	7.40	4.39	0.13	18.45	7.83	4.78	0.08
15.90	7.41	4.40	0.13	18.50	7.84	4.78	0.08
15.95	7.42	4.41	0.13	18.55	7.84	4.79	0.08
16.00	7.43	4.42	0.13	18.60	7.85	4.79	0.08
16.05	7.44	4.43	0.13	18.65	7.86	4.80	0.08
16.10	7.45	4.44	0.12	18.70	7.86	4.80	0.08
16.15	7.46	4.44	0.12	18.75	7.87	4.81	0.08
16.20	7.47	4.45	0.12	18.80	7.88	4.82	0.08
16.25	7.48	4.46	0.12	18.85	7.88	4.82	0.08
16.30	7.49	4.47	0.12	18.90	7.89	4.83	0.08
16.35	7.50	4.48	0.12	18.95	7.90	4.83	0.08
16.40	7.51	4.49	0.12	19.00	7.90	4.84	0.08
16.45	7.52	4.50	0.12	19.05	7.91	4.84	0.08
16.50	7.53	4.50	0.12	19.10	7.92	4.85	0.08
16.55	7.54	4.51	0.12	19.15	7.92	4.86	0.08
16.60	7.55	4.52	0.11	19.20	7.93	4.86	0.08
16.65	7.55	4.53	0.11	19.25	7.93	4.87	0.08
16.70	7.56	4.54	0.11	19.30	7.94	4.87	0.08
16.75	7.57	4.55	0.11	19.35	7.95	4.88	0.08
16.80	7.58	4.55	0.11	19.40	7.95	4.88	0.08
16.85	7.59	4.56	0.11	19.45	7.96	4.89	0.08
16.90	7.60	4.57	0.11	19.50	7.97	4.90	0.08
16.95	7.61	4.58	0.11	19.55	7.97	4.90	0.08
17.00	7.62	4.58	0.11	19.60	7.98	4.91	0.08
17.05	7.63	4.59	0.11	19.65	7.98	4.91	0.08
17.10	7.63	4.60	0.10	19.70	7.99	4.92	0.08
17.15	7.64	4.61	0.10	19.75	8.00	4.92	0.08
17.20	7.65	4.61	0.10	19.80	8.00	4.93	0.08
17.25	7.66	4.62	0.10	19.85	8.01	4.93	0.08
17.30	7.67	4.63	0.10	19.90	8.01	4.94	0.07
17.35	7.67	4.64	0.10	19.95	8.02	4.94	0.07
17.40	7.68	4.64	0.10	20.00	8.03	4.95	0.07
17.45	7.69	4.65	0.10	20.05	8.03	4.96	0.07
17.50	7.70	4.66	0.10	20.10	8.04	4.96	0.07
17.55	7.71	4.66	0.10	20.15	8.04	4.97	0.07
17.60	7.71	4.67	0.09	20.20	8.05	4.97	0.07
17.65	7.72	4.68	0.09	20.25	8.06	4.98	0.07
17.70	7.73	4.68	0.09	20.30	8.06	4.98	0.07
17.75	7.74	4.69	0.09	20.35	8.07	4.99	0.07
17.80	7.74	4.70	0.09	20.40	8.07	4.99	0.07
17.85	7.75	4.70	0.09	20.45	8.08	5.00	0.07
17.90	7.76	4.71	0.09	20.50	8.09	5.00	0.07
17.95	7.76	4.72	0.09	20.55	8.09	5.01	0.07
18.00	7.77	4.72	0.09	20.60	8.10	5.01	0.07
18.05	7.78	4.73	0.09	20.65	8.10	5.02	0.07
18.10	7.78	4.73	0.08	20.70	8.11	5.02	0.07
18.15	7.79	4.74	0.08	20.75	8.11	5.03	0.07

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	5.03	0.07	23.40	8.38	5.27	0.06
20.85	8.13	5.04	0.07	23.45	8.39	5.28	0.06
20.90	8.13	5.04	0.07	23.50	8.39	5.28	0.06
20.95	8.14	5.05	0.07	23.55	8.40	5.28	0.06
21.00	8.14	5.05	0.07	23.60	8.40	5.29	0.06
21.05	8.15	5.06	0.07	23.65	8.41	5.29	0.06
21.10	8.15	5.06	0.07	23.70	8.41	5.30	0.06
21.15	8.16	5.07	0.07	23.75	8.42	5.30	0.06
21.20	8.16	5.07	0.07	23.80	8.42	5.30	0.05
21.25	8.17	5.08	0.07	23.85	8.42	5.31	0.05
21.30	8.18	5.08	0.07	23.90	8.43	5.31	0.05
21.35	8.18	5.09	0.07	23.95	8.43	5.32	0.05
21.40	8.19	5.09	0.07	24.00	**8.44**	**5.32**	0.06
21.45	8.19	5.10	0.07	24.05	8.44	5.32	0.06
21.50	8.20	5.10	0.07	24.10	8.44	5.32	0.04
21.55	8.20	5.11	0.07	24.15	8.44	5.32	0.02
21.60	8.21	5.11	0.07	24.20	8.44	5.32	0.01
21.65	8.21	5.12	0.07	24.25	8.44	5.32	0.00
21.70	8.22	5.12	0.07	24.30	8.44	5.32	0.00
21.75	8.22	5.13	0.07	24.35	8.44	5.32	0.00
21.80	8.23	5.13	0.07	24.40	8.44	5.32	0.00
21.85	8.23	5.14	0.07	24.45	8.44	5.32	0.00
21.90	8.24	5.14	0.06	24.50	8.44	5.32	0.00
21.95	8.24	5.14	0.06	24.55	8.44	5.32	0.00
22.00	8.25	5.15	0.06	24.60	8.44	5.32	0.00
22.05	8.25	5.15	0.06	24.65	8.44	5.32	0.00
22.10	8.26	5.16	0.06	24.70	8.44	5.32	0.00
22.15	8.26	5.16	0.06	24.75	8.44	5.32	0.00
22.20	8.27	5.17	0.06	24.80	8.44	5.32	0.00
22.25	8.27	5.17	0.06	24.85	8.44	5.32	0.00
22.30	8.28	5.18	0.06	24.90	8.44	5.32	0.00
22.35	8.28	5.18	0.06	24.95	8.44	5.32	0.00
22.40	8.29	5.19	0.06	25.00	8.44	5.32	0.00
22.45	8.29	5.19	0.06	25.05	8.44	5.32	0.00
22.50	8.30	5.19	0.06	25.10	8.44	5.32	0.00
22.55	8.30	5.20	0.06	25.15	8.44	5.32	0.00
22.60	8.31	5.20	0.06	25.20	8.44	5.32	0.00
22.65	8.31	5.21	0.06	25.25	8.44	5.32	0.00
22.70	8.32	5.21	0.06	25.30	8.44	5.32	0.00
22.75	8.32	5.22	0.06	25.35	8.44	5.32	0.00
22.80	8.33	5.22	0.06	25.40	8.44	5.32	0.00
22.85	8.33	5.22	0.06	25.45	8.44	5.32	0.00
22.90	8.34	5.23	0.06	25.50	8.44	5.32	0.00
22.95	8.34	5.23	0.06	25.55	8.44	5.32	0.00
23.00	8.35	5.24	0.06	25.60	8.44	5.32	0.00
23.05	8.35	5.24	0.06	25.65	8.44	5.32	0.00
23.10	8.36	5.25	0.06	25.70	8.44	5.32	0.00
23.15	8.36	5.25	0.06	25.75	8.44	5.32	0.00
23.20	8.37	5.25	0.06	25.80	8.44	5.32	0.00
23.25	8.37	5.26	0.06	25.85	8.44	5.32	0.00
23.30	8.38	5.26	0.06	25.90	8.44	5.32	0.00
23.35	8.38	5.27	0.06	25.95	8.44	5.32	0.00

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	5.32	0.00	28.60	8.44	5.32	0.00
26.05	8.44	5.32	0.00	28.65	8.44	5.32	0.00
26.10	8.44	5.32	0.00	28.70	8.44	5.32	0.00
26.15	8.44	5.32	0.00	28.75	8.44	5.32	0.00
26.20	8.44	5.32	0.00	28.80	8.44	5.32	0.00
26.25	8.44	5.32	0.00	28.85	8.44	5.32	0.00
26.30	8.44	5.32	0.00	28.90	8.44	5.32	0.00
26.35	8.44	5.32	0.00	28.95	8.44	5.32	0.00
26.40	8.44	5.32	0.00	29.00	8.44	5.32	0.00
26.45	8.44	5.32	0.00	29.05	8.44	5.32	0.00
26.50	8.44	5.32	0.00	29.10	8.44	5.32	0.00
26.55	8.44	5.32	0.00	29.15	8.44	5.32	0.00
26.60	8.44	5.32	0.00	29.20	8.44	5.32	0.00
26.65	8.44	5.32	0.00	29.25	8.44	5.32	0.00
26.70	8.44	5.32	0.00	29.30	8.44	5.32	0.00
26.75	8.44	5.32	0.00	29.35	8.44	5.32	0.00
26.80	8.44	5.32	0.00	29.40	8.44	5.32	0.00
26.85	8.44	5.32	0.00	29.45	8.44	5.32	0.00
26.90	8.44	5.32	0.00	29.50	8.44	5.32	0.00
26.95	8.44	5.32	0.00	29.55	8.44	5.32	0.00
27.00	8.44	5.32	0.00	29.60	8.44	5.32	0.00
27.05	8.44	5.32	0.00	29.65	8.44	5.32	0.00
27.10	8.44	5.32	0.00	29.70	8.44	5.32	0.00
27.15	8.44	5.32	0.00	29.75	8.44	5.32	0.00
27.20	8.44	5.32	0.00	29.80	8.44	5.32	0.00
27.25	8.44	5.32	0.00	29.85	8.44	5.32	0.00
27.30	8.44	5.32	0.00	29.90	8.44	5.32	0.00
27.35	8.44	5.32	0.00	29.95	8.44	5.32	0.00
27.40	8.44	5.32	0.00	30.00	8.44	5.32	0.00
27.45	8.44	5.32	0.00	30.05	8.44	5.32	0.00
27.50	8.44	5.32	0.00	30.10	8.44	5.32	0.00
27.55	8.44	5.32	0.00	30.15	8.44	5.32	0.00
27.60	8.44	5.32	0.00	30.20	8.44	5.32	0.00
27.65	8.44	5.32	0.00	30.25	8.44	5.32	0.00
27.70	8.44	5.32	0.00	30.30	8.44	5.32	0.00
27.75	8.44	5.32	0.00	30.35	8.44	5.32	0.00
27.80	8.44	5.32	0.00	30.40	8.44	5.32	0.00
27.85	8.44	5.32	0.00	30.45	8.44	5.32	0.00
27.90	8.44	5.32	0.00	30.50	8.44	5.32	0.00
27.95	8.44	5.32	0.00	30.55	8.44	5.32	0.00
28.00	8.44	5.32	0.00	30.60	8.44	5.32	0.00
28.05	8.44	5.32	0.00	30.65	8.44	5.32	0.00
28.10	8.44	5.32	0.00	30.70	8.44	5.32	0.00
28.15	8.44	5.32	0.00	30.75	8.44	5.32	0.00
28.20	8.44	5.32	0.00	30.80	8.44	5.32	0.00
28.25	8.44	5.32	0.00	30.85	8.44	5.32	0.00
28.30	8.44	5.32	0.00	30.90	8.44	5.32	0.00
28.35	8.44	5.32	0.00	30.95	8.44	5.32	0.00
28.40	8.44	5.32	0.00	31.00	8.44	5.32	0.00
28.45	8.44	5.32	0.00	31.05	8.44	5.32	0.00
28.50	8.44	5.32	0.00	31.10	8.44	5.32	0.00
28.55	8.44	5.32	0.00	31.15	8.44	5.32	0.00

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	5.32	0.00	33.80	8.44	5.32	0.00
31.25	8.44	5.32	0.00	33.85	8.44	5.32	0.00
31.30	8.44	5.32	0.00	33.90	8.44	5.32	0.00
31.35	8.44	5.32	0.00	33.95	8.44	5.32	0.00
31.40	8.44	5.32	0.00	34.00	8.44	5.32	0.00
31.45	8.44	5.32	0.00	34.05	8.44	5.32	0.00
31.50	8.44	5.32	0.00	34.10	8.44	5.32	0.00
31.55	8.44	5.32	0.00	34.15	8.44	5.32	0.00
31.60	8.44	5.32	0.00	34.20	8.44	5.32	0.00
31.65	8.44	5.32	0.00	34.25	8.44	5.32	0.00
31.70	8.44	5.32	0.00	34.30	8.44	5.32	0.00
31.75	8.44	5.32	0.00	34.35	8.44	5.32	0.00
31.80	8.44	5.32	0.00	34.40	8.44	5.32	0.00
31.85	8.44	5.32	0.00	34.45	8.44	5.32	0.00
31.90	8.44	5.32	0.00	34.50	8.44	5.32	0.00
31.95	8.44	5.32	0.00	34.55	8.44	5.32	0.00
32.00	8.44	5.32	0.00	34.60	8.44	5.32	0.00
32.05	8.44	5.32	0.00	34.65	8.44	5.32	0.00
32.10	8.44	5.32	0.00	34.70	8.44	5.32	0.00
32.15	8.44	5.32	0.00	34.75	8.44	5.32	0.00
32.20	8.44	5.32	0.00	34.80	8.44	5.32	0.00
32.25	8.44	5.32	0.00	34.85	8.44	5.32	0.00
32.30	8.44	5.32	0.00	34.90	8.44	5.32	0.00
32.35	8.44	5.32	0.00	34.95	8.44	5.32	0.00
32.40	8.44	5.32	0.00	35.00	8.44	5.32	0.00
32.45	8.44	5.32	0.00	35.05	8.44	5.32	0.00
32.50	8.44	5.32	0.00	35.10	8.44	5.32	0.00
32.55	8.44	5.32	0.00	35.15	8.44	5.32	0.00
32.60	8.44	5.32	0.00	35.20	8.44	5.32	0.00
32.65	8.44	5.32	0.00	35.25	8.44	5.32	0.00
32.70	8.44	5.32	0.00	35.30	8.44	5.32	0.00
32.75	8.44	5.32	0.00	35.35	8.44	5.32	0.00
32.80	8.44	5.32	0.00	35.40	8.44	5.32	0.00
32.85	8.44	5.32	0.00	35.45	8.44	5.32	0.00
32.90	8.44	5.32	0.00	35.50	8.44	5.32	0.00
32.95	8.44	5.32	0.00	35.55	8.44	5.32	0.00
33.00	8.44	5.32	0.00	35.60	8.44	5.32	0.00
33.05	8.44	5.32	0.00	35.65	8.44	5.32	0.00
33.10	8.44	5.32	0.00	35.70	8.44	5.32	0.00
33.15	8.44	5.32	0.00	35.75	8.44	5.32	0.00
33.20	8.44	5.32	0.00	35.80	8.44	5.32	0.00
33.25	8.44	5.32	0.00	35.85	8.44	5.32	0.00
33.30	8.44	5.32	0.00	35.90	8.44	5.32	0.00
33.35	8.44	5.32	0.00	35.95	8.44	5.32	0.00
33.40	8.44	5.32	0.00	36.00	8.44	5.32	0.00
33.45	8.44	5.32	0.00	36.05	8.44	5.32	0.00
33.50	8.44	5.32	0.00	36.10	8.44	5.32	0.00
33.55	8.44	5.32	0.00	36.15	8.44	5.32	0.00
33.60	8.44	5.32	0.00	36.20	8.44	5.32	0.00
33.65	8.44	5.32	0.00	36.25	8.44	5.32	0.00
33.70	8.44	5.32	0.00	36.30	8.44	5.32	0.00
33.75	8.44	5.32	0.00	36.35	8.44	5.32	0.00

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	5.32	0.00
36.45	8.44	5.32	0.00
36.50	8.44	5.32	0.00
36.55	8.44	5.32	0.00
36.60	8.44	5.32	0.00
36.65	8.44	5.32	0.00
36.70	8.44	5.32	0.00
36.75	8.44	5.32	0.00
36.80	8.44	5.32	0.00
36.85	8.44	5.32	0.00
36.90	8.44	5.32	0.00
36.95	8.44	5.32	0.00
37.00	8.44	5.32	0.00
37.05	8.44	5.32	0.00
37.10	8.44	5.32	0.00
37.15	8.44	5.32	0.00
37.20	8.44	5.32	0.00
37.25	8.44	5.32	0.00
37.30	8.44	5.32	0.00
37.35	8.44	5.32	0.00
37.40	8.44	5.32	0.00
37.45	8.44	5.32	0.00
37.50	8.44	5.32	0.00
37.55	8.44	5.32	0.00
37.60	8.44	5.32	0.00
37.65	8.44	5.32	0.00
37.70	8.44	5.32	0.00
37.75	8.44	5.32	0.00
37.80	8.44	5.32	0.00
37.85	8.44	5.32	0.00
37.90	8.44	5.32	0.00
37.95	8.44	5.32	0.00
38.00	8.44	5.32	0.00
38.05	8.44	5.32	0.00
38.10	8.44	5.32	0.00
38.15	8.44	5.32	0.00
38.20	8.44	5.32	0.00
38.25	8.44	5.32	0.00
38.30	8.44	5.32	0.00
38.35	8.44	5.32	0.00
38.40	8.44	5.32	0.00
38.45	8.44	5.32	0.00
38.50	8.44	5.32	0.00
38.55	8.44	5.32	0.00
38.60	8.44	5.32	0.00
38.65	8.44	5.32	0.00
38.70	8.44	5.32	0.00
38.75	8.44	5.32	0.00
38.80	8.44	5.32	0.00
38.85	8.44	5.32	0.00
38.90	8.44	5.32	0.00
38.95	8.44	5.32	0.00
39.00	8.44	5.32	0.00
39.05	8.44	5.32	0.00
39.10	8.44	5.32	0.00
39.15	8.44	5.32	0.00
39.20	8.44	5.32	0.00
39.25	8.44	5.32	0.00
39.30	8.44	5.32	0.00
39.35	8.44	5.32	0.00
39.40	8.44	5.32	0.00
39.45	8.44	5.32	0.00
39.50	8.44	5.32	0.00
39.55	8.44	5.32	0.00
39.60	8.44	5.32	0.00
39.65	8.44	5.32	0.00
39.70	8.44	5.32	0.00
39.75	8.44	5.32	0.00
39.80	8.44	5.32	0.00
39.85	8.44	5.32	0.00
39.90	8.44	5.32	0.00
39.95	8.44	5.32	0.00
40.00	8.44	5.32	0.00

Summary for Subcatchment 52l: PDA-52 (impervious)

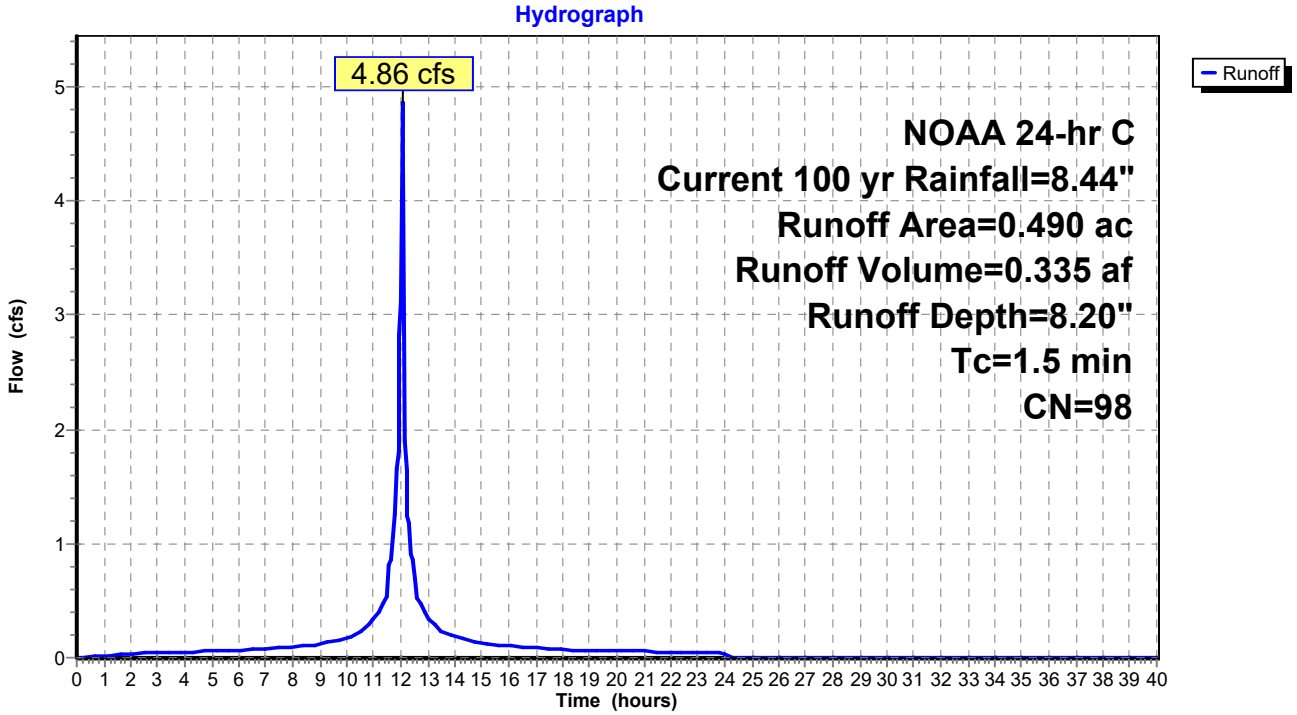
Runoff = 4.86 cfs @ 12.07 hrs, Volume= 0.335 af, Depth= 8.20"
Routed to Pond B-52 : Basin #52

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

	Area (ac)	CN	Description
*	0.118	98	Pavement, HSG C
*	0.339	98	Roof, HSG C
*	0.033	98	Concrete, HSG C
	0.490	98	Weighted Average
	0.490		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.5					**Direct Entry,**

Subcatchment 52l: PDA-52 (impervious)



Hydrograph for Subcatchment 52I: PDA-52 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.11	0.04
0.05	0.01	0.00	0.00	2.65	0.26	0.11	0.04
0.10	0.01	0.00	0.00	2.70	0.26	0.12	0.04
0.15	0.02	0.00	0.00	2.75	0.27	0.12	0.04
0.20	0.02	0.00	0.00	2.80	0.28	0.13	0.04
0.25	0.02	0.00	0.00	2.85	0.28	0.13	0.04
0.30	0.03	0.00	0.00	2.90	0.29	0.13	0.04
0.35	0.03	0.00	0.00	2.95	0.29	0.14	0.04
0.40	0.04	0.00	0.00	3.00	0.30	0.14	0.04
0.45	0.04	0.00	0.00	3.05	0.30	0.15	0.04
0.50	0.05	0.00	0.00	3.10	0.31	0.15	0.04
0.55	0.05	0.00	0.00	3.15	0.31	0.16	0.05
0.60	0.06	0.00	0.00	3.20	0.32	0.16	0.05
0.65	0.06	0.00	0.01	3.25	0.33	0.17	0.05
0.70	0.06	0.00	0.01	3.30	0.33	0.17	0.05
0.75	0.07	0.00	0.01	3.35	0.34	0.18	0.05
0.80	0.07	0.00	0.01	3.40	0.34	0.18	0.05
0.85	0.08	0.01	0.01	3.45	0.35	0.19	0.05
0.90	0.08	0.01	0.01	3.50	0.35	0.19	0.05
0.95	0.09	0.01	0.02	3.55	0.36	0.19	0.05
1.00	0.09	0.01	0.02	3.60	0.37	0.20	0.05
1.05	0.10	0.01	0.02	3.65	0.37	0.20	0.05
1.10	0.10	0.01	0.02	3.70	0.38	0.21	0.05
1.15	0.11	0.02	0.02	3.75	0.38	0.21	0.05
1.20	0.11	0.02	0.02	3.80	0.39	0.22	0.05
1.25	0.12	0.02	0.02	3.85	0.40	0.22	0.05
1.30	0.12	0.02	0.02	3.90	0.40	0.23	0.05
1.35	0.13	0.02	0.02	3.95	0.41	0.24	0.05
1.40	0.13	0.03	0.02	4.00	0.41	0.24	0.05
1.45	0.14	0.03	0.03	4.05	0.42	0.25	0.05
1.50	0.14	0.03	0.03	4.10	0.43	0.25	0.05
1.55	0.15	0.04	0.03	4.15	0.43	0.26	0.05
1.60	0.15	0.04	0.03	4.20	0.44	0.26	0.05
1.65	0.16	0.04	0.03	4.25	0.44	0.27	0.05
1.70	0.16	0.04	0.03	4.30	0.45	0.27	0.05
1.75	0.17	0.05	0.03	4.35	0.46	0.28	0.05
1.80	0.17	0.05	0.03	4.40	0.46	0.28	0.05
1.85	0.18	0.05	0.03	4.45	0.47	0.29	0.05
1.90	0.18	0.06	0.03	4.50	0.47	0.29	0.05
1.95	0.19	0.06	0.03	4.55	0.48	0.30	0.06
2.00	0.19	0.06	0.03	4.60	0.49	0.31	0.06
2.05	0.20	0.07	0.03	4.65	0.49	0.31	0.06
2.10	0.20	0.07	0.03	4.70	0.50	0.32	0.06
2.15	0.21	0.07	0.04	4.75	0.51	0.32	0.06
2.20	0.21	0.08	0.04	4.80	0.51	0.33	0.06
2.25	0.22	0.08	0.04	4.85	0.52	0.33	0.06
2.30	0.22	0.09	0.04	4.90	0.52	0.34	0.06
2.35	0.23	0.09	0.04	4.95	0.53	0.35	0.06
2.40	0.23	0.09	0.04	5.00	0.54	0.35	0.06
2.45	0.24	0.10	0.04	5.05	0.54	0.36	0.06
2.50	0.24	0.10	0.04	5.10	0.55	0.36	0.06
2.55	0.25	0.10	0.04	5.15	0.56	0.37	0.06

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.38	0.06	7.80	0.97	0.76	0.09
5.25	0.57	0.38	0.06	7.85	0.98	0.77	0.10
5.30	0.58	0.39	0.06	7.90	0.99	0.78	0.10
5.35	0.58	0.39	0.06	7.95	1.00	0.79	0.10
5.40	0.59	0.40	0.06	8.00	1.01	0.80	0.10
5.45	0.60	0.41	0.06	8.05	1.02	0.81	0.10
5.50	0.60	0.41	0.06	8.10	1.03	0.82	0.10
5.55	0.61	0.42	0.06	8.15	1.04	0.83	0.10
5.60	0.62	0.42	0.06	8.20	1.05	0.84	0.10
5.65	0.62	0.43	0.06	8.25	1.06	0.85	0.10
5.70	0.63	0.44	0.06	8.30	1.07	0.86	0.10
5.75	0.64	0.44	0.06	8.35	1.08	0.87	0.10
5.80	0.64	0.45	0.06	8.40	1.10	0.88	0.10
5.85	0.65	0.45	0.06	8.45	1.11	0.89	0.11
5.90	0.66	0.46	0.06	8.50	1.12	0.91	0.11
5.95	0.66	0.47	0.06	8.55	1.13	0.92	0.11
6.00	0.67	0.47	0.06	8.60	1.14	0.93	0.11
6.05	0.68	0.48	0.06	8.65	1.15	0.94	0.11
6.10	0.68	0.49	0.06	8.70	1.16	0.95	0.11
6.15	0.69	0.49	0.07	8.75	1.17	0.96	0.11
6.20	0.70	0.50	0.07	8.80	1.19	0.97	0.11
6.25	0.70	0.51	0.07	8.85	1.20	0.98	0.11
6.30	0.71	0.51	0.07	8.90	1.21	0.99	0.11
6.35	0.72	0.52	0.07	8.95	1.22	1.01	0.11
6.40	0.73	0.53	0.07	9.00	1.23	1.02	0.12
6.45	0.73	0.54	0.07	9.05	1.25	1.03	0.12
6.50	0.74	0.54	0.07	9.10	1.26	1.04	0.12
6.55	0.75	0.55	0.07	9.15	1.27	1.05	0.13
6.60	0.76	0.56	0.07	9.20	1.28	1.07	0.13
6.65	0.77	0.57	0.07	9.25	1.30	1.08	0.13
6.70	0.77	0.57	0.08	9.30	1.31	1.09	0.13
6.75	0.78	0.58	0.08	9.35	1.33	1.11	0.14
6.80	0.79	0.59	0.08	9.40	1.34	1.12	0.14
6.85	0.80	0.60	0.08	9.45	1.35	1.14	0.14
6.90	0.81	0.60	0.08	9.50	1.37	1.15	0.15
6.95	0.81	0.61	0.08	9.55	1.39	1.17	0.15
7.00	0.82	0.62	0.08	9.60	1.40	1.18	0.15
7.05	0.83	0.63	0.08	9.65	1.42	1.20	0.16
7.10	0.84	0.64	0.08	9.70	1.43	1.21	0.16
7.15	0.85	0.65	0.08	9.75	1.45	1.23	0.16
7.20	0.86	0.65	0.08	9.80	1.47	1.25	0.16
7.25	0.87	0.66	0.08	9.85	1.49	1.27	0.17
7.30	0.88	0.67	0.09	9.90	1.50	1.28	0.17
7.35	0.89	0.68	0.09	9.95	1.52	1.30	0.18
7.40	0.89	0.69	0.09	10.00	1.54	1.32	0.18
7.45	0.90	0.70	0.09	10.05	1.56	1.34	0.18
7.50	0.91	0.71	0.09	10.10	1.58	1.36	0.18
7.55	0.92	0.72	0.09	10.15	1.60	1.37	0.19
7.60	0.93	0.73	0.09	10.20	1.62	1.39	0.19
7.65	0.94	0.73	0.09	10.25	1.64	1.41	0.20
7.70	0.95	0.74	0.09	10.30	1.66	1.43	0.20
7.75	0.96	0.75	0.09	10.35	1.68	1.45	0.20

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	1.47	0.20	13.00	6.41	6.18	0.37
10.45	1.72	1.50	0.21	13.05	6.45	6.21	0.33
10.50	1.74	1.52	0.21	13.10	6.48	6.24	0.33
10.55	1.76	1.54	0.23	13.15	6.51	6.27	0.31
10.60	1.79	1.56	0.23	13.20	6.54	6.30	0.30
10.65	1.81	1.59	0.25	13.25	6.57	6.33	0.28
10.70	1.84	1.62	0.26	13.30	6.60	6.36	0.28
10.75	1.87	1.64	0.28	13.35	6.63	6.39	0.26
10.80	1.90	1.67	0.28	13.40	6.65	6.41	0.26
10.85	1.93	1.70	0.30	13.45	6.68	6.44	0.24
10.90	1.96	1.73	0.31	13.50	6.70	6.46	0.23
10.95	1.99	1.77	0.33	13.55	6.72	6.48	0.21
11.00	2.03	1.80	0.33	13.60	6.74	6.50	0.21
11.05	2.06	1.84	0.37	13.65	6.76	6.53	0.20
11.10	2.10	1.87	0.38	13.70	6.78	6.55	0.20
11.15	2.14	1.92	0.41	13.75	6.80	6.57	0.20
11.20	2.19	1.96	0.42	13.80	6.82	6.59	0.20
11.25	2.23	2.01	0.46	13.85	6.84	6.61	0.19
11.30	2.28	2.05	0.47	13.90	6.86	6.62	0.19
11.35	2.33	2.10	0.50	13.95	6.88	6.64	0.19
11.40	2.38	2.16	0.51	14.00	6.90	6.66	0.18
11.45	2.44	2.21	0.54	14.05	6.92	6.68	0.18
11.50	2.49	2.26	0.57	14.10	6.94	6.70	0.18
11.55	2.58	2.35	0.82	14.15	6.95	6.72	0.17
11.60	2.66	2.43	0.84	14.20	6.97	6.73	0.17
11.65	2.75	2.52	0.88	14.25	6.99	6.75	0.17
11.70	2.84	2.61	0.92	14.30	7.01	6.77	0.17
11.75	2.97	2.74	1.19	14.35	7.02	6.78	0.16
11.80	3.09	2.86	1.26	14.40	7.04	6.80	0.16
11.85	3.26	3.03	1.65	14.45	7.05	6.82	0.15
11.90	3.43	3.20	1.81	14.50	7.07	6.83	0.15
11.95	3.73	3.49	2.82	14.55	7.09	6.85	0.15
12.00	4.02	3.79	3.11	14.60	7.10	6.86	0.15
12.05	4.52	4.28	**4.72**	14.65	7.11	6.88	0.14
12.10	5.01	4.77	4.52	14.70	7.13	6.89	0.14
12.15	5.18	4.94	1.91	14.75	7.14	6.90	0.14
12.20	5.35	5.11	1.64	14.80	7.16	6.92	0.14
12.25	5.47	5.24	1.25	14.85	7.17	6.93	0.13
12.30	5.60	5.36	1.18	14.90	7.18	6.94	0.13
12.35	5.69	5.45	0.91	14.95	7.19	6.96	0.12
12.40	5.78	5.54	0.88	15.00	7.21	6.97	0.12
12.45	5.86	5.62	0.85	15.05	7.22	6.98	0.12
12.50	5.95	5.71	0.81	15.10	7.23	6.99	0.12
12.55	6.00	5.76	0.56	15.15	7.24	7.00	0.12
12.60	6.06	5.82	0.54	15.20	7.25	7.02	0.11
12.65	6.11	5.87	0.51	15.25	7.27	7.03	0.11
12.70	6.16	5.92	0.50	15.30	7.28	7.04	0.11
12.75	6.21	5.97	0.47	15.35	7.29	7.05	0.11
12.80	6.25	6.02	0.46	15.40	7.30	7.06	0.11
12.85	6.30	6.06	0.42	15.45	7.31	7.07	0.11
12.90	6.34	6.10	0.42	15.50	7.32	7.08	0.11
12.95	6.38	6.14	0.38	15.55	7.33	7.09	0.11

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	7.10	0.11	18.20	7.80	7.56	0.07
15.65	7.36	7.12	0.11	18.25	7.80	7.57	0.07
15.70	7.37	7.13	0.11	18.30	7.81	7.57	0.07
15.75	7.38	7.14	0.11	18.35	7.82	7.58	0.07
15.80	7.39	7.15	0.10	18.40	7.82	7.59	0.07
15.85	7.40	7.16	0.10	18.45	7.83	7.59	0.07
15.90	7.41	7.17	0.10	18.50	7.84	7.60	0.07
15.95	7.42	7.18	0.10	18.55	7.84	7.61	0.07
16.00	7.43	7.19	0.10	18.60	7.85	7.61	0.06
16.05	7.44	7.20	0.10	18.65	7.86	7.62	0.06
16.10	7.45	7.21	0.10	18.70	7.86	7.62	0.06
16.15	7.46	7.22	0.10	18.75	7.87	7.63	0.06
16.20	7.47	7.23	0.10	18.80	7.88	7.64	0.06
16.25	7.48	7.24	0.10	18.85	7.88	7.64	0.06
16.30	7.49	7.25	0.10	18.90	7.89	7.65	0.06
16.35	7.50	7.26	0.10	18.95	7.90	7.66	0.06
16.40	7.51	7.27	0.10	19.00	7.90	7.66	0.06
16.45	7.52	7.28	0.09	19.05	7.91	7.67	0.06
16.50	7.53	7.29	0.09	19.10	7.92	7.68	0.06
16.55	7.54	7.30	0.09	19.15	7.92	7.68	0.06
16.60	7.55	7.31	0.09	19.20	7.93	7.69	0.06
16.65	7.55	7.32	0.09	19.25	7.93	7.70	0.06
16.70	7.56	7.32	0.09	19.30	7.94	7.70	0.06
16.75	7.57	7.33	0.09	19.35	7.95	7.71	0.06
16.80	7.58	7.34	0.09	19.40	7.95	7.71	0.06
16.85	7.59	7.35	0.09	19.45	7.96	7.72	0.06
16.90	7.60	7.36	0.09	19.50	7.97	7.73	0.06
16.95	7.61	7.37	0.09	19.55	7.97	7.73	0.06
17.00	7.62	7.38	0.09	19.60	7.98	7.74	0.06
17.05	7.63	7.39	0.08	19.65	7.98	7.74	0.06
17.10	7.63	7.39	0.08	19.70	7.99	7.75	0.06
17.15	7.64	7.40	0.08	19.75	8.00	7.76	0.06
17.20	7.65	7.41	0.08	19.80	8.00	7.76	0.06
17.25	7.66	7.42	0.08	19.85	8.01	7.77	0.06
17.30	7.67	7.43	0.08	19.90	8.01	7.78	0.06
17.35	7.67	7.43	0.08	19.95	8.02	7.78	0.06
17.40	7.68	7.44	0.08	20.00	8.03	7.79	0.06
17.45	7.69	7.45	0.08	20.05	8.03	7.79	0.06
17.50	7.70	7.46	0.08	20.10	8.04	7.80	0.06
17.55	7.71	7.47	0.08	20.15	8.04	7.80	0.06
17.60	7.71	7.47	0.08	20.20	8.05	7.81	0.06
17.65	7.72	7.48	0.07	20.25	8.06	7.82	0.06
17.70	7.73	7.49	0.07	20.30	8.06	7.82	0.06
17.75	7.74	7.50	0.07	20.35	8.07	7.83	0.06
17.80	7.74	7.50	0.07	20.40	8.07	7.83	0.06
17.85	7.75	7.51	0.07	20.45	8.08	7.84	0.06
17.90	7.76	7.52	0.07	20.50	8.09	7.85	0.06
17.95	7.76	7.52	0.07	20.55	8.09	7.85	0.06
18.00	7.77	7.53	0.07	20.60	8.10	7.86	0.06
18.05	7.78	7.54	0.07	20.65	8.10	7.86	0.06
18.10	7.78	7.55	0.07	20.70	8.11	7.87	0.06
18.15	7.79	7.55	0.07	20.75	8.11	7.87	0.06

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	7.88	0.06	23.40	8.38	8.14	0.05
20.85	8.13	7.89	0.06	23.45	8.39	8.15	0.04
20.90	8.13	7.89	0.06	23.50	8.39	8.15	0.04
20.95	8.14	7.90	0.06	23.55	8.40	8.16	0.04
21.00	8.14	7.90	0.05	23.60	8.40	8.16	0.04
21.05	8.15	7.91	0.05	23.65	8.41	8.17	0.04
21.10	8.15	7.91	0.05	23.70	8.41	8.17	0.04
21.15	8.16	7.92	0.05	23.75	8.42	8.18	0.04
21.20	8.16	7.92	0.05	23.80	8.42	8.18	0.04
21.25	8.17	7.93	0.05	23.85	8.42	8.18	0.04
21.30	8.18	7.94	0.05	23.90	8.43	8.19	0.04
21.35	8.18	7.94	0.05	23.95	8.43	8.19	0.05
21.40	8.19	7.95	0.05	24.00	**8.44**	**8.20**	0.05
21.45	8.19	7.95	0.05	24.05	8.44	8.20	0.00
21.50	8.20	7.96	0.05	24.10	8.44	8.20	0.00
21.55	8.20	7.96	0.05	24.15	8.44	8.20	0.00
21.60	8.21	7.97	0.05	24.20	8.44	8.20	0.00
21.65	8.21	7.97	0.05	24.25	8.44	8.20	0.00
21.70	8.22	7.98	0.05	24.30	8.44	8.20	0.00
21.75	8.22	7.98	0.05	24.35	8.44	8.20	0.00
21.80	8.23	7.99	0.05	24.40	8.44	8.20	0.00
21.85	8.23	7.99	0.05	24.45	8.44	8.20	0.00
21.90	8.24	8.00	0.05	24.50	8.44	8.20	0.00
21.95	8.24	8.00	0.05	24.55	8.44	8.20	0.00
22.00	8.25	8.01	0.05	24.60	8.44	8.20	0.00
22.05	8.25	8.01	0.05	24.65	8.44	8.20	0.00
22.10	8.26	8.02	0.05	24.70	8.44	8.20	0.00
22.15	8.26	8.02	0.05	24.75	8.44	8.20	0.00
22.20	8.27	8.03	0.05	24.80	8.44	8.20	0.00
22.25	8.27	8.03	0.05	24.85	8.44	8.20	0.00
22.30	8.28	8.04	0.05	24.90	8.44	8.20	0.00
22.35	8.28	8.04	0.05	24.95	8.44	8.20	0.00
22.40	8.29	8.05	0.05	25.00	8.44	8.20	0.00
22.45	8.29	8.05	0.05	25.05	8.44	8.20	0.00
22.50	8.30	8.06	0.05	25.10	8.44	8.20	0.00
22.55	8.30	8.06	0.05	25.15	8.44	8.20	0.00
22.60	8.31	8.07	0.05	25.20	8.44	8.20	0.00
22.65	8.31	8.07	0.05	25.25	8.44	8.20	0.00
22.70	8.32	8.08	0.05	25.30	8.44	8.20	0.00
22.75	8.32	8.08	0.05	25.35	8.44	8.20	0.00
22.80	8.33	8.09	0.05	25.40	8.44	8.20	0.00
22.85	8.33	8.09	0.05	25.45	8.44	8.20	0.00
22.90	8.34	8.10	0.05	25.50	8.44	8.20	0.00
22.95	8.34	8.10	0.05	25.55	8.44	8.20	0.00
23.00	8.35	8.11	0.05	25.60	8.44	8.20	0.00
23.05	8.35	8.11	0.05	25.65	8.44	8.20	0.00
23.10	8.36	8.12	0.05	25.70	8.44	8.20	0.00
23.15	8.36	8.12	0.05	25.75	8.44	8.20	0.00
23.20	8.37	8.13	0.05	25.80	8.44	8.20	0.00
23.25	8.37	8.13	0.05	25.85	8.44	8.20	0.00
23.30	8.38	8.14	0.05	25.90	8.44	8.20	0.00
23.35	8.38	8.14	0.05	25.95	8.44	8.20	0.00

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	8.20	0.00	28.60	8.44	8.20	0.00
26.05	8.44	8.20	0.00	28.65	8.44	8.20	0.00
26.10	8.44	8.20	0.00	28.70	8.44	8.20	0.00
26.15	8.44	8.20	0.00	28.75	8.44	8.20	0.00
26.20	8.44	8.20	0.00	28.80	8.44	8.20	0.00
26.25	8.44	8.20	0.00	28.85	8.44	8.20	0.00
26.30	8.44	8.20	0.00	28.90	8.44	8.20	0.00
26.35	8.44	8.20	0.00	28.95	8.44	8.20	0.00
26.40	8.44	8.20	0.00	29.00	8.44	8.20	0.00
26.45	8.44	8.20	0.00	29.05	8.44	8.20	0.00
26.50	8.44	8.20	0.00	29.10	8.44	8.20	0.00
26.55	8.44	8.20	0.00	29.15	8.44	8.20	0.00
26.60	8.44	8.20	0.00	29.20	8.44	8.20	0.00
26.65	8.44	8.20	0.00	29.25	8.44	8.20	0.00
26.70	8.44	8.20	0.00	29.30	8.44	8.20	0.00
26.75	8.44	8.20	0.00	29.35	8.44	8.20	0.00
26.80	8.44	8.20	0.00	29.40	8.44	8.20	0.00
26.85	8.44	8.20	0.00	29.45	8.44	8.20	0.00
26.90	8.44	8.20	0.00	29.50	8.44	8.20	0.00
26.95	8.44	8.20	0.00	29.55	8.44	8.20	0.00
27.00	8.44	8.20	0.00	29.60	8.44	8.20	0.00
27.05	8.44	8.20	0.00	29.65	8.44	8.20	0.00
27.10	8.44	8.20	0.00	29.70	8.44	8.20	0.00
27.15	8.44	8.20	0.00	29.75	8.44	8.20	0.00
27.20	8.44	8.20	0.00	29.80	8.44	8.20	0.00
27.25	8.44	8.20	0.00	29.85	8.44	8.20	0.00
27.30	8.44	8.20	0.00	29.90	8.44	8.20	0.00
27.35	8.44	8.20	0.00	29.95	8.44	8.20	0.00
27.40	8.44	8.20	0.00	30.00	8.44	8.20	0.00
27.45	8.44	8.20	0.00	30.05	8.44	8.20	0.00
27.50	8.44	8.20	0.00	30.10	8.44	8.20	0.00
27.55	8.44	8.20	0.00	30.15	8.44	8.20	0.00
27.60	8.44	8.20	0.00	30.20	8.44	8.20	0.00
27.65	8.44	8.20	0.00	30.25	8.44	8.20	0.00
27.70	8.44	8.20	0.00	30.30	8.44	8.20	0.00
27.75	8.44	8.20	0.00	30.35	8.44	8.20	0.00
27.80	8.44	8.20	0.00	30.40	8.44	8.20	0.00
27.85	8.44	8.20	0.00	30.45	8.44	8.20	0.00
27.90	8.44	8.20	0.00	30.50	8.44	8.20	0.00
27.95	8.44	8.20	0.00	30.55	8.44	8.20	0.00
28.00	8.44	8.20	0.00	30.60	8.44	8.20	0.00
28.05	8.44	8.20	0.00	30.65	8.44	8.20	0.00
28.10	8.44	8.20	0.00	30.70	8.44	8.20	0.00
28.15	8.44	8.20	0.00	30.75	8.44	8.20	0.00
28.20	8.44	8.20	0.00	30.80	8.44	8.20	0.00
28.25	8.44	8.20	0.00	30.85	8.44	8.20	0.00
28.30	8.44	8.20	0.00	30.90	8.44	8.20	0.00
28.35	8.44	8.20	0.00	30.95	8.44	8.20	0.00
28.40	8.44	8.20	0.00	31.00	8.44	8.20	0.00
28.45	8.44	8.20	0.00	31.05	8.44	8.20	0.00
28.50	8.44	8.20	0.00	31.10	8.44	8.20	0.00
28.55	8.44	8.20	0.00	31.15	8.44	8.20	0.00

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	8.20	0.00	33.80	8.44	8.20	0.00
31.25	8.44	8.20	0.00	33.85	8.44	8.20	0.00
31.30	8.44	8.20	0.00	33.90	8.44	8.20	0.00
31.35	8.44	8.20	0.00	33.95	8.44	8.20	0.00
31.40	8.44	8.20	0.00	34.00	8.44	8.20	0.00
31.45	8.44	8.20	0.00	34.05	8.44	8.20	0.00
31.50	8.44	8.20	0.00	34.10	8.44	8.20	0.00
31.55	8.44	8.20	0.00	34.15	8.44	8.20	0.00
31.60	8.44	8.20	0.00	34.20	8.44	8.20	0.00
31.65	8.44	8.20	0.00	34.25	8.44	8.20	0.00
31.70	8.44	8.20	0.00	34.30	8.44	8.20	0.00
31.75	8.44	8.20	0.00	34.35	8.44	8.20	0.00
31.80	8.44	8.20	0.00	34.40	8.44	8.20	0.00
31.85	8.44	8.20	0.00	34.45	8.44	8.20	0.00
31.90	8.44	8.20	0.00	34.50	8.44	8.20	0.00
31.95	8.44	8.20	0.00	34.55	8.44	8.20	0.00
32.00	8.44	8.20	0.00	34.60	8.44	8.20	0.00
32.05	8.44	8.20	0.00	34.65	8.44	8.20	0.00
32.10	8.44	8.20	0.00	34.70	8.44	8.20	0.00
32.15	8.44	8.20	0.00	34.75	8.44	8.20	0.00
32.20	8.44	8.20	0.00	34.80	8.44	8.20	0.00
32.25	8.44	8.20	0.00	34.85	8.44	8.20	0.00
32.30	8.44	8.20	0.00	34.90	8.44	8.20	0.00
32.35	8.44	8.20	0.00	34.95	8.44	8.20	0.00
32.40	8.44	8.20	0.00	35.00	8.44	8.20	0.00
32.45	8.44	8.20	0.00	35.05	8.44	8.20	0.00
32.50	8.44	8.20	0.00	35.10	8.44	8.20	0.00
32.55	8.44	8.20	0.00	35.15	8.44	8.20	0.00
32.60	8.44	8.20	0.00	35.20	8.44	8.20	0.00
32.65	8.44	8.20	0.00	35.25	8.44	8.20	0.00
32.70	8.44	8.20	0.00	35.30	8.44	8.20	0.00
32.75	8.44	8.20	0.00	35.35	8.44	8.20	0.00
32.80	8.44	8.20	0.00	35.40	8.44	8.20	0.00
32.85	8.44	8.20	0.00	35.45	8.44	8.20	0.00
32.90	8.44	8.20	0.00	35.50	8.44	8.20	0.00
32.95	8.44	8.20	0.00	35.55	8.44	8.20	0.00
33.00	8.44	8.20	0.00	35.60	8.44	8.20	0.00
33.05	8.44	8.20	0.00	35.65	8.44	8.20	0.00
33.10	8.44	8.20	0.00	35.70	8.44	8.20	0.00
33.15	8.44	8.20	0.00	35.75	8.44	8.20	0.00
33.20	8.44	8.20	0.00	35.80	8.44	8.20	0.00
33.25	8.44	8.20	0.00	35.85	8.44	8.20	0.00
33.30	8.44	8.20	0.00	35.90	8.44	8.20	0.00
33.35	8.44	8.20	0.00	35.95	8.44	8.20	0.00
33.40	8.44	8.20	0.00	36.00	8.44	8.20	0.00
33.45	8.44	8.20	0.00	36.05	8.44	8.20	0.00
33.50	8.44	8.20	0.00	36.10	8.44	8.20	0.00
33.55	8.44	8.20	0.00	36.15	8.44	8.20	0.00
33.60	8.44	8.20	0.00	36.20	8.44	8.20	0.00
33.65	8.44	8.20	0.00	36.25	8.44	8.20	0.00
33.70	8.44	8.20	0.00	36.30	8.44	8.20	0.00
33.75	8.44	8.20	0.00	36.35	8.44	8.20	0.00

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	8.20	0.00
36.45	8.44	8.20	0.00
36.50	8.44	8.20	0.00
36.55	8.44	8.20	0.00
36.60	8.44	8.20	0.00
36.65	8.44	8.20	0.00
36.70	8.44	8.20	0.00
36.75	8.44	8.20	0.00
36.80	8.44	8.20	0.00
36.85	8.44	8.20	0.00
36.90	8.44	8.20	0.00
36.95	8.44	8.20	0.00
37.00	8.44	8.20	0.00
37.05	8.44	8.20	0.00
37.10	8.44	8.20	0.00
37.15	8.44	8.20	0.00
37.20	8.44	8.20	0.00
37.25	8.44	8.20	0.00
37.30	8.44	8.20	0.00
37.35	8.44	8.20	0.00
37.40	8.44	8.20	0.00
37.45	8.44	8.20	0.00
37.50	8.44	8.20	0.00
37.55	8.44	8.20	0.00
37.60	8.44	8.20	0.00
37.65	8.44	8.20	0.00
37.70	8.44	8.20	0.00
37.75	8.44	8.20	0.00
37.80	8.44	8.20	0.00
37.85	8.44	8.20	0.00
37.90	8.44	8.20	0.00
37.95	8.44	8.20	0.00
38.00	8.44	8.20	0.00
38.05	8.44	8.20	0.00
38.10	8.44	8.20	0.00
38.15	8.44	8.20	0.00
38.20	8.44	8.20	0.00
38.25	8.44	8.20	0.00
38.30	8.44	8.20	0.00
38.35	8.44	8.20	0.00
38.40	8.44	8.20	0.00
38.45	8.44	8.20	0.00
38.50	8.44	8.20	0.00
38.55	8.44	8.20	0.00
38.60	8.44	8.20	0.00
38.65	8.44	8.20	0.00
38.70	8.44	8.20	0.00
38.75	8.44	8.20	0.00
38.80	8.44	8.20	0.00
38.85	8.44	8.20	0.00
38.90	8.44	8.20	0.00
38.95	8.44	8.20	0.00
39.00	8.44	8.20	0.00
39.05	8.44	8.20	0.00
39.10	8.44	8.20	0.00
39.15	8.44	8.20	0.00
39.20	8.44	8.20	0.00
39.25	8.44	8.20	0.00
39.30	8.44	8.20	0.00
39.35	8.44	8.20	0.00
39.40	8.44	8.20	0.00
39.45	8.44	8.20	0.00
39.50	8.44	8.20	0.00
39.55	8.44	8.20	0.00
39.60	8.44	8.20	0.00
39.65	8.44	8.20	0.00
39.70	8.44	8.20	0.00
39.75	8.44	8.20	0.00
39.80	8.44	8.20	0.00
39.85	8.44	8.20	0.00
39.90	8.44	8.20	0.00
39.95	8.44	8.20	0.00
40.00	8.44	8.20	0.00

Summary for Subcatchment 52P: PDA-52 (pervious)

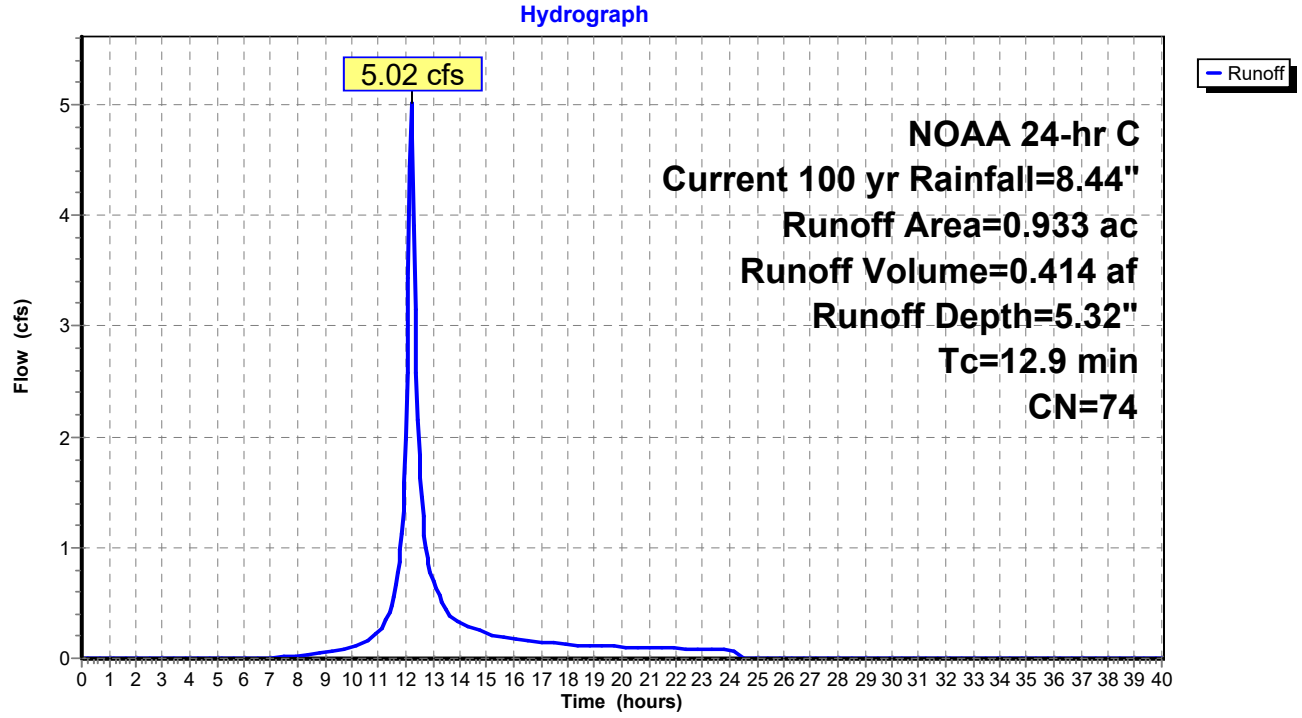
Runoff = 5.02 cfs @ 12.21 hrs, Volume= 0.414 af, Depth= 5.32"
Routed to Pond B-52 : Basin #52

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
0.933	74	>75% Grass cover, Good, HSG C
0.933		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.9					**Direct Entry,**

Subcatchment 52P: PDA-52 (pervious)



Hydrograph for Subcatchment 52P: PDA-52 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.02	0.02
5.25	0.57	0.00	0.00	7.85	0.98	0.02	0.02
5.30	0.58	0.00	0.00	7.90	0.99	0.02	0.02
5.35	0.58	0.00	0.00	7.95	1.00	0.02	0.02
5.40	0.59	0.00	0.00	8.00	1.01	0.02	0.03
5.45	0.60	0.00	0.00	8.05	1.02	0.03	0.03
5.50	0.60	0.00	0.00	8.10	1.03	0.03	0.03
5.55	0.61	0.00	0.00	8.15	1.04	0.03	0.03
5.60	0.62	0.00	0.00	8.20	1.05	0.03	0.03
5.65	0.62	0.00	0.00	8.25	1.06	0.03	0.03
5.70	0.63	0.00	0.00	8.30	1.07	0.04	0.03
5.75	0.64	0.00	0.00	8.35	1.08	0.04	0.03
5.80	0.64	0.00	0.00	8.40	1.10	0.04	0.03
5.85	0.65	0.00	0.00	8.45	1.11	0.04	0.04
5.90	0.66	0.00	0.00	8.50	1.12	0.04	0.04
5.95	0.66	0.00	0.00	8.55	1.13	0.05	0.04
6.00	0.67	0.00	0.00	8.60	1.14	0.05	0.04
6.05	0.68	0.00	0.00	8.65	1.15	0.05	0.04
6.10	0.68	0.00	0.00	8.70	1.16	0.05	0.04
6.15	0.69	0.00	0.00	8.75	1.17	0.06	0.04
6.20	0.70	0.00	0.00	8.80	1.19	0.06	0.04
6.25	0.70	0.00	0.00	8.85	1.20	0.06	0.05
6.30	0.71	0.00	0.00	8.90	1.21	0.06	0.05
6.35	0.72	0.00	0.00	8.95	1.22	0.07	0.05
6.40	0.73	0.00	0.00	9.00	1.23	0.07	0.05
6.45	0.73	0.00	0.00	9.05	1.25	0.07	0.05
6.50	0.74	0.00	0.00	9.10	1.26	0.08	0.05
6.55	0.75	0.00	0.00	9.15	1.27	0.08	0.05
6.60	0.76	0.00	0.00	9.20	1.28	0.08	0.06
6.65	0.77	0.00	0.00	9.25	1.30	0.09	0.06
6.70	0.77	0.00	0.00	9.30	1.31	0.09	0.06
6.75	0.78	0.00	0.00	9.35	1.33	0.09	0.06
6.80	0.79	0.00	0.00	9.40	1.34	0.10	0.07
6.85	0.80	0.00	0.01	9.45	1.35	0.10	0.07
6.90	0.81	0.00	0.01	9.50	1.37	0.11	0.07
6.95	0.81	0.00	0.01	9.55	1.39	0.11	0.08
7.00	0.82	0.00	0.01	9.60	1.40	0.12	0.08
7.05	0.83	0.00	0.01	9.65	1.42	0.12	0.08
7.10	0.84	0.01	0.01	9.70	1.43	0.13	0.08
7.15	0.85	0.01	0.01	9.75	1.45	0.13	0.09
7.20	0.86	0.01	0.01	9.80	1.47	0.14	0.09
7.25	0.87	0.01	0.01	9.85	1.49	0.14	0.09
7.30	0.88	0.01	0.01	9.90	1.50	0.15	0.10
7.35	0.89	0.01	0.01	9.95	1.52	0.15	0.10
7.40	0.89	0.01	0.01	10.00	1.54	0.16	0.11
7.45	0.90	0.01	0.01	10.05	1.56	0.17	0.11
7.50	0.91	0.01	0.02	10.10	1.58	0.17	0.11
7.55	0.92	0.01	0.02	10.15	1.60	0.18	0.12
7.60	0.93	0.01	0.02	10.20	1.62	0.19	0.12
7.65	0.94	0.02	0.02	10.25	1.64	0.20	0.13
7.70	0.95	0.02	0.02	10.30	1.66	0.20	0.13
7.75	0.96	0.02	0.02	10.35	1.68	0.21	0.13

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.22	0.14	13.00	6.41	3.54	0.72
10.45	1.72	0.23	0.14	13.05	6.45	3.57	0.68
10.50	1.74	0.24	0.15	13.10	6.48	3.59	0.65
10.55	1.76	0.25	0.15	13.15	6.51	3.62	0.61
10.60	1.79	0.26	0.16	13.20	6.54	3.65	0.58
10.65	1.81	0.27	0.16	13.25	6.57	3.67	0.55
10.70	1.84	0.28	0.17	13.30	6.60	3.70	0.53
10.75	1.87	0.29	0.19	13.35	6.63	3.72	0.50
10.80	1.90	0.30	0.20	13.40	6.65	3.74	0.48
10.85	1.93	0.32	0.21	13.45	6.68	3.76	0.46
10.90	1.96	0.33	0.22	13.50	6.70	3.78	0.44
10.95	1.99	0.35	0.24	13.55	6.72	3.80	0.42
11.00	2.03	0.36	0.25	13.60	6.74	3.82	0.40
11.05	2.06	0.38	0.26	13.65	6.76	3.84	0.39
11.10	2.10	0.40	0.28	13.70	6.78	3.85	0.37
11.15	2.14	0.42	0.30	13.75	6.80	3.87	0.36
11.20	2.19	0.44	0.32	13.80	6.82	3.89	0.35
11.25	2.23	0.46	0.35	13.85	6.84	3.91	0.34
11.30	2.28	0.49	0.37	13.90	6.86	3.92	0.33
11.35	2.33	0.52	0.40	13.95	6.88	3.94	0.33
11.40	2.38	0.54	0.43	14.00	6.90	3.96	0.32
11.45	2.44	0.57	0.46	14.05	6.92	3.97	0.32
11.50	2.49	0.60	0.49	14.10	6.94	3.99	0.31
11.55	2.58	0.65	0.52	14.15	6.95	4.00	0.31
11.60	2.66	0.70	0.58	14.20	6.97	4.02	0.30
11.65	2.75	0.76	0.67	14.25	6.99	4.03	0.30
11.70	2.84	0.81	0.78	14.30	7.01	4.05	0.29
11.75	2.97	0.89	0.87	14.35	7.02	4.06	0.29
11.80	3.09	0.97	0.98	14.40	7.04	4.08	0.28
11.85	3.26	1.08	1.12	14.45	7.05	4.09	0.28
11.90	3.43	1.19	1.32	14.50	7.07	4.10	0.27
11.95	3.73	1.40	1.59	14.55	7.09	4.12	0.27
12.00	4.02	1.61	1.98	14.60	7.10	4.13	0.26
12.05	4.52	1.98	2.59	14.65	7.11	4.14	0.26
12.10	5.01	2.37	3.43	14.70	7.13	4.15	0.25
12.15	5.18	2.51	4.45	14.75	7.14	4.17	0.25
12.20	5.35	2.65	**5.01**	14.80	7.16	4.18	0.24
12.25	5.47	2.75	4.70	14.85	7.17	4.19	0.24
12.30	5.60	2.85	3.91	14.90	7.18	4.20	0.23
12.35	5.69	2.92	3.14	14.95	7.19	4.21	0.23
12.40	5.78	3.00	2.58	15.00	7.21	4.22	0.22
12.45	5.86	3.07	2.15	15.05	7.22	4.23	0.22
12.50	5.95	3.14	1.84	15.10	7.23	4.24	0.21
12.55	6.00	3.19	1.63	15.15	7.24	4.25	0.21
12.60	6.06	3.23	1.46	15.20	7.25	4.26	0.20
12.65	6.11	3.28	1.28	15.25	7.27	4.27	0.20
12.70	6.16	3.32	1.11	15.30	7.28	4.28	0.20
12.75	6.21	3.36	0.99	15.35	7.29	4.29	0.19
12.80	6.25	3.40	0.91	15.40	7.30	4.30	0.19
12.85	6.30	3.44	0.85	15.45	7.31	4.31	0.19
12.90	6.34	3.47	0.80	15.50	7.32	4.32	0.19
12.95	6.38	3.50	0.76	15.55	7.33	4.33	0.19

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	4.34	0.19	18.20	7.80	4.75	0.12
15.65	7.36	4.35	0.18	18.25	7.80	4.75	0.11
15.70	7.37	4.36	0.18	18.30	7.81	4.76	0.11
15.75	7.38	4.37	0.18	18.35	7.82	4.76	0.11
15.80	7.39	4.38	0.18	18.40	7.82	4.77	0.11
15.85	7.40	4.39	0.18	18.45	7.83	4.78	0.11
15.90	7.41	4.40	0.18	18.50	7.84	4.78	0.11
15.95	7.42	4.41	0.18	18.55	7.84	4.79	0.11
16.00	7.43	4.42	0.18	18.60	7.85	4.79	0.11
16.05	7.44	4.43	0.17	18.65	7.86	4.80	0.11
16.10	7.45	4.44	0.17	18.70	7.86	4.80	0.11
16.15	7.46	4.44	0.17	18.75	7.87	4.81	0.11
16.20	7.47	4.45	0.17	18.80	7.88	4.82	0.11
16.25	7.48	4.46	0.17	18.85	7.88	4.82	0.11
16.30	7.49	4.47	0.17	18.90	7.89	4.83	0.11
16.35	7.50	4.48	0.17	18.95	7.90	4.83	0.11
16.40	7.51	4.49	0.16	19.00	7.90	4.84	0.11
16.45	7.52	4.50	0.16	19.05	7.91	4.84	0.11
16.50	7.53	4.50	0.16	19.10	7.92	4.85	0.11
16.55	7.54	4.51	0.16	19.15	7.92	4.86	0.11
16.60	7.55	4.52	0.16	19.20	7.93	4.86	0.11
16.65	7.55	4.53	0.16	19.25	7.93	4.87	0.11
16.70	7.56	4.54	0.16	19.30	7.94	4.87	0.11
16.75	7.57	4.55	0.16	19.35	7.95	4.88	0.11
16.80	7.58	4.55	0.15	19.40	7.95	4.88	0.11
16.85	7.59	4.56	0.15	19.45	7.96	4.89	0.11
16.90	7.60	4.57	0.15	19.50	7.97	4.90	0.11
16.95	7.61	4.58	0.15	19.55	7.97	4.90	0.10
17.00	7.62	4.58	0.15	19.60	7.98	4.91	0.10
17.05	7.63	4.59	0.15	19.65	7.98	4.91	0.10
17.10	7.63	4.60	0.15	19.70	7.99	4.92	0.10
17.15	7.64	4.61	0.14	19.75	8.00	4.92	0.10
17.20	7.65	4.61	0.14	19.80	8.00	4.93	0.10
17.25	7.66	4.62	0.14	19.85	8.01	4.93	0.10
17.30	7.67	4.63	0.14	19.90	8.01	4.94	0.10
17.35	7.67	4.64	0.14	19.95	8.02	4.94	0.10
17.40	7.68	4.64	0.14	20.00	8.03	4.95	0.10
17.45	7.69	4.65	0.14	20.05	8.03	4.96	0.10
17.50	7.70	4.66	0.13	20.10	8.04	4.96	0.10
17.55	7.71	4.66	0.13	20.15	8.04	4.97	0.10
17.60	7.71	4.67	0.13	20.20	8.05	4.97	0.10
17.65	7.72	4.68	0.13	20.25	8.06	4.98	0.10
17.70	7.73	4.68	0.13	20.30	8.06	4.98	0.10
17.75	7.74	4.69	0.13	20.35	8.07	4.99	0.10
17.80	7.74	4.70	0.13	20.40	8.07	4.99	0.10
17.85	7.75	4.70	0.12	20.45	8.08	5.00	0.10
17.90	7.76	4.71	0.12	20.50	8.09	5.00	0.10
17.95	7.76	4.72	0.12	20.55	8.09	5.01	0.10
18.00	7.77	4.72	0.12	20.60	8.10	5.01	0.10
18.05	7.78	4.73	0.12	20.65	8.10	5.02	0.10
18.10	7.78	4.73	0.12	20.70	8.11	5.02	0.10
18.15	7.79	4.74	0.12	20.75	8.11	5.03	0.10

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	5.03	0.10	23.40	8.38	5.27	0.08
20.85	8.13	5.04	0.10	23.45	8.39	5.28	0.08
20.90	8.13	5.04	0.10	23.50	8.39	5.28	0.08
20.95	8.14	5.05	0.10	23.55	8.40	5.28	0.08
21.00	8.14	5.05	0.10	23.60	8.40	5.29	0.08
21.05	8.15	5.06	0.09	23.65	8.41	5.29	0.08
21.10	8.15	5.06	0.09	23.70	8.41	5.30	0.08
21.15	8.16	5.07	0.09	23.75	8.42	5.30	0.08
21.20	8.16	5.07	0.09	23.80	8.42	5.30	0.08
21.25	8.17	5.08	0.09	23.85	8.42	5.31	0.08
21.30	8.18	5.08	0.09	23.90	8.43	5.31	0.08
21.35	8.18	5.09	0.09	23.95	8.43	5.32	0.07
21.40	8.19	5.09	0.09	24.00	**8.44**	**5.32**	0.08
21.45	8.19	5.10	0.09	24.05	8.44	5.32	0.08
21.50	8.20	5.10	0.09	24.10	8.44	5.32	0.07
21.55	8.20	5.11	0.09	24.15	8.44	5.32	0.06
21.60	8.21	5.11	0.09	24.20	8.44	5.32	0.04
21.65	8.21	5.12	0.09	24.25	8.44	5.32	0.02
21.70	8.22	5.12	0.09	24.30	8.44	5.32	0.01
21.75	8.22	5.13	0.09	24.35	8.44	5.32	0.01
21.80	8.23	5.13	0.09	24.40	8.44	5.32	0.00
21.85	8.23	5.14	0.09	24.45	8.44	5.32	0.00
21.90	8.24	5.14	0.09	24.50	8.44	5.32	0.00
21.95	8.24	5.14	0.09	24.55	8.44	5.32	0.00
22.00	8.25	5.15	0.09	24.60	8.44	5.32	0.00
22.05	8.25	5.15	0.09	24.65	8.44	5.32	0.00
22.10	8.26	5.16	0.09	24.70	8.44	5.32	0.00
22.15	8.26	5.16	0.09	24.75	8.44	5.32	0.00
22.20	8.27	5.17	0.09	24.80	8.44	5.32	0.00
22.25	8.27	5.17	0.09	24.85	8.44	5.32	0.00
22.30	8.28	5.18	0.09	24.90	8.44	5.32	0.00
22.35	8.28	5.18	0.09	24.95	8.44	5.32	0.00
22.40	8.29	5.19	0.09	25.00	8.44	5.32	0.00
22.45	8.29	5.19	0.09	25.05	8.44	5.32	0.00
22.50	8.30	5.19	0.08	25.10	8.44	5.32	0.00
22.55	8.30	5.20	0.08	25.15	8.44	5.32	0.00
22.60	8.31	5.20	0.08	25.20	8.44	5.32	0.00
22.65	8.31	5.21	0.08	25.25	8.44	5.32	0.00
22.70	8.32	5.21	0.08	25.30	8.44	5.32	0.00
22.75	8.32	5.22	0.08	25.35	8.44	5.32	0.00
22.80	8.33	5.22	0.08	25.40	8.44	5.32	0.00
22.85	8.33	5.22	0.08	25.45	8.44	5.32	0.00
22.90	8.34	5.23	0.08	25.50	8.44	5.32	0.00
22.95	8.34	5.23	0.08	25.55	8.44	5.32	0.00
23.00	8.35	5.24	0.08	25.60	8.44	5.32	0.00
23.05	8.35	5.24	0.08	25.65	8.44	5.32	0.00
23.10	8.36	5.25	0.08	25.70	8.44	5.32	0.00
23.15	8.36	5.25	0.08	25.75	8.44	5.32	0.00
23.20	8.37	5.25	0.08	25.80	8.44	5.32	0.00
23.25	8.37	5.26	0.08	25.85	8.44	5.32	0.00
23.30	8.38	5.26	0.08	25.90	8.44	5.32	0.00
23.35	8.38	5.27	0.08	25.95	8.44	5.32	0.00

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	5.32	0.00	28.60	8.44	5.32	0.00
26.05	8.44	5.32	0.00	28.65	8.44	5.32	0.00
26.10	8.44	5.32	0.00	28.70	8.44	5.32	0.00
26.15	8.44	5.32	0.00	28.75	8.44	5.32	0.00
26.20	8.44	5.32	0.00	28.80	8.44	5.32	0.00
26.25	8.44	5.32	0.00	28.85	8.44	5.32	0.00
26.30	8.44	5.32	0.00	28.90	8.44	5.32	0.00
26.35	8.44	5.32	0.00	28.95	8.44	5.32	0.00
26.40	8.44	5.32	0.00	29.00	8.44	5.32	0.00
26.45	8.44	5.32	0.00	29.05	8.44	5.32	0.00
26.50	8.44	5.32	0.00	29.10	8.44	5.32	0.00
26.55	8.44	5.32	0.00	29.15	8.44	5.32	0.00
26.60	8.44	5.32	0.00	29.20	8.44	5.32	0.00
26.65	8.44	5.32	0.00	29.25	8.44	5.32	0.00
26.70	8.44	5.32	0.00	29.30	8.44	5.32	0.00
26.75	8.44	5.32	0.00	29.35	8.44	5.32	0.00
26.80	8.44	5.32	0.00	29.40	8.44	5.32	0.00
26.85	8.44	5.32	0.00	29.45	8.44	5.32	0.00
26.90	8.44	5.32	0.00	29.50	8.44	5.32	0.00
26.95	8.44	5.32	0.00	29.55	8.44	5.32	0.00
27.00	8.44	5.32	0.00	29.60	8.44	5.32	0.00
27.05	8.44	5.32	0.00	29.65	8.44	5.32	0.00
27.10	8.44	5.32	0.00	29.70	8.44	5.32	0.00
27.15	8.44	5.32	0.00	29.75	8.44	5.32	0.00
27.20	8.44	5.32	0.00	29.80	8.44	5.32	0.00
27.25	8.44	5.32	0.00	29.85	8.44	5.32	0.00
27.30	8.44	5.32	0.00	29.90	8.44	5.32	0.00
27.35	8.44	5.32	0.00	29.95	8.44	5.32	0.00
27.40	8.44	5.32	0.00	30.00	8.44	5.32	0.00
27.45	8.44	5.32	0.00	30.05	8.44	5.32	0.00
27.50	8.44	5.32	0.00	30.10	8.44	5.32	0.00
27.55	8.44	5.32	0.00	30.15	8.44	5.32	0.00
27.60	8.44	5.32	0.00	30.20	8.44	5.32	0.00
27.65	8.44	5.32	0.00	30.25	8.44	5.32	0.00
27.70	8.44	5.32	0.00	30.30	8.44	5.32	0.00
27.75	8.44	5.32	0.00	30.35	8.44	5.32	0.00
27.80	8.44	5.32	0.00	30.40	8.44	5.32	0.00
27.85	8.44	5.32	0.00	30.45	8.44	5.32	0.00
27.90	8.44	5.32	0.00	30.50	8.44	5.32	0.00
27.95	8.44	5.32	0.00	30.55	8.44	5.32	0.00
28.00	8.44	5.32	0.00	30.60	8.44	5.32	0.00
28.05	8.44	5.32	0.00	30.65	8.44	5.32	0.00
28.10	8.44	5.32	0.00	30.70	8.44	5.32	0.00
28.15	8.44	5.32	0.00	30.75	8.44	5.32	0.00
28.20	8.44	5.32	0.00	30.80	8.44	5.32	0.00
28.25	8.44	5.32	0.00	30.85	8.44	5.32	0.00
28.30	8.44	5.32	0.00	30.90	8.44	5.32	0.00
28.35	8.44	5.32	0.00	30.95	8.44	5.32	0.00
28.40	8.44	5.32	0.00	31.00	8.44	5.32	0.00
28.45	8.44	5.32	0.00	31.05	8.44	5.32	0.00
28.50	8.44	5.32	0.00	31.10	8.44	5.32	0.00
28.55	8.44	5.32	0.00	31.15	8.44	5.32	0.00

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	5.32	0.00	33.80	8.44	5.32	0.00
31.25	8.44	5.32	0.00	33.85	8.44	5.32	0.00
31.30	8.44	5.32	0.00	33.90	8.44	5.32	0.00
31.35	8.44	5.32	0.00	33.95	8.44	5.32	0.00
31.40	8.44	5.32	0.00	34.00	8.44	5.32	0.00
31.45	8.44	5.32	0.00	34.05	8.44	5.32	0.00
31.50	8.44	5.32	0.00	34.10	8.44	5.32	0.00
31.55	8.44	5.32	0.00	34.15	8.44	5.32	0.00
31.60	8.44	5.32	0.00	34.20	8.44	5.32	0.00
31.65	8.44	5.32	0.00	34.25	8.44	5.32	0.00
31.70	8.44	5.32	0.00	34.30	8.44	5.32	0.00
31.75	8.44	5.32	0.00	34.35	8.44	5.32	0.00
31.80	8.44	5.32	0.00	34.40	8.44	5.32	0.00
31.85	8.44	5.32	0.00	34.45	8.44	5.32	0.00
31.90	8.44	5.32	0.00	34.50	8.44	5.32	0.00
31.95	8.44	5.32	0.00	34.55	8.44	5.32	0.00
32.00	8.44	5.32	0.00	34.60	8.44	5.32	0.00
32.05	8.44	5.32	0.00	34.65	8.44	5.32	0.00
32.10	8.44	5.32	0.00	34.70	8.44	5.32	0.00
32.15	8.44	5.32	0.00	34.75	8.44	5.32	0.00
32.20	8.44	5.32	0.00	34.80	8.44	5.32	0.00
32.25	8.44	5.32	0.00	34.85	8.44	5.32	0.00
32.30	8.44	5.32	0.00	34.90	8.44	5.32	0.00
32.35	8.44	5.32	0.00	34.95	8.44	5.32	0.00
32.40	8.44	5.32	0.00	35.00	8.44	5.32	0.00
32.45	8.44	5.32	0.00	35.05	8.44	5.32	0.00
32.50	8.44	5.32	0.00	35.10	8.44	5.32	0.00
32.55	8.44	5.32	0.00	35.15	8.44	5.32	0.00
32.60	8.44	5.32	0.00	35.20	8.44	5.32	0.00
32.65	8.44	5.32	0.00	35.25	8.44	5.32	0.00
32.70	8.44	5.32	0.00	35.30	8.44	5.32	0.00
32.75	8.44	5.32	0.00	35.35	8.44	5.32	0.00
32.80	8.44	5.32	0.00	35.40	8.44	5.32	0.00
32.85	8.44	5.32	0.00	35.45	8.44	5.32	0.00
32.90	8.44	5.32	0.00	35.50	8.44	5.32	0.00
32.95	8.44	5.32	0.00	35.55	8.44	5.32	0.00
33.00	8.44	5.32	0.00	35.60	8.44	5.32	0.00
33.05	8.44	5.32	0.00	35.65	8.44	5.32	0.00
33.10	8.44	5.32	0.00	35.70	8.44	5.32	0.00
33.15	8.44	5.32	0.00	35.75	8.44	5.32	0.00
33.20	8.44	5.32	0.00	35.80	8.44	5.32	0.00
33.25	8.44	5.32	0.00	35.85	8.44	5.32	0.00
33.30	8.44	5.32	0.00	35.90	8.44	5.32	0.00
33.35	8.44	5.32	0.00	35.95	8.44	5.32	0.00
33.40	8.44	5.32	0.00	36.00	8.44	5.32	0.00
33.45	8.44	5.32	0.00	36.05	8.44	5.32	0.00
33.50	8.44	5.32	0.00	36.10	8.44	5.32	0.00
33.55	8.44	5.32	0.00	36.15	8.44	5.32	0.00
33.60	8.44	5.32	0.00	36.20	8.44	5.32	0.00
33.65	8.44	5.32	0.00	36.25	8.44	5.32	0.00
33.70	8.44	5.32	0.00	36.30	8.44	5.32	0.00
33.75	8.44	5.32	0.00	36.35	8.44	5.32	0.00

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	5.32	0.00
36.45	8.44	5.32	0.00
36.50	8.44	5.32	0.00
36.55	8.44	5.32	0.00
36.60	8.44	5.32	0.00
36.65	8.44	5.32	0.00
36.70	8.44	5.32	0.00
36.75	8.44	5.32	0.00
36.80	8.44	5.32	0.00
36.85	8.44	5.32	0.00
36.90	8.44	5.32	0.00
36.95	8.44	5.32	0.00
37.00	8.44	5.32	0.00
37.05	8.44	5.32	0.00
37.10	8.44	5.32	0.00
37.15	8.44	5.32	0.00
37.20	8.44	5.32	0.00
37.25	8.44	5.32	0.00
37.30	8.44	5.32	0.00
37.35	8.44	5.32	0.00
37.40	8.44	5.32	0.00
37.45	8.44	5.32	0.00
37.50	8.44	5.32	0.00
37.55	8.44	5.32	0.00
37.60	8.44	5.32	0.00
37.65	8.44	5.32	0.00
37.70	8.44	5.32	0.00
37.75	8.44	5.32	0.00
37.80	8.44	5.32	0.00
37.85	8.44	5.32	0.00
37.90	8.44	5.32	0.00
37.95	8.44	5.32	0.00
38.00	8.44	5.32	0.00
38.05	8.44	5.32	0.00
38.10	8.44	5.32	0.00
38.15	8.44	5.32	0.00
38.20	8.44	5.32	0.00
38.25	8.44	5.32	0.00
38.30	8.44	5.32	0.00
38.35	8.44	5.32	0.00
38.40	8.44	5.32	0.00
38.45	8.44	5.32	0.00
38.50	8.44	5.32	0.00
38.55	8.44	5.32	0.00
38.60	8.44	5.32	0.00
38.65	8.44	5.32	0.00
38.70	8.44	5.32	0.00
38.75	8.44	5.32	0.00
38.80	8.44	5.32	0.00
38.85	8.44	5.32	0.00
38.90	8.44	5.32	0.00
38.95	8.44	5.32	0.00
39.00	8.44	5.32	0.00
39.05	8.44	5.32	0.00
39.10	8.44	5.32	0.00
39.15	8.44	5.32	0.00
39.20	8.44	5.32	0.00
39.25	8.44	5.32	0.00
39.30	8.44	5.32	0.00
39.35	8.44	5.32	0.00
39.40	8.44	5.32	0.00
39.45	8.44	5.32	0.00
39.50	8.44	5.32	0.00
39.55	8.44	5.32	0.00
39.60	8.44	5.32	0.00
39.65	8.44	5.32	0.00
39.70	8.44	5.32	0.00
39.75	8.44	5.32	0.00
39.80	8.44	5.32	0.00
39.85	8.44	5.32	0.00
39.90	8.44	5.32	0.00
39.95	8.44	5.32	0.00
40.00	8.44	5.32	0.00

Summary for Subcatchment 53I: PDA-53 (impervious)

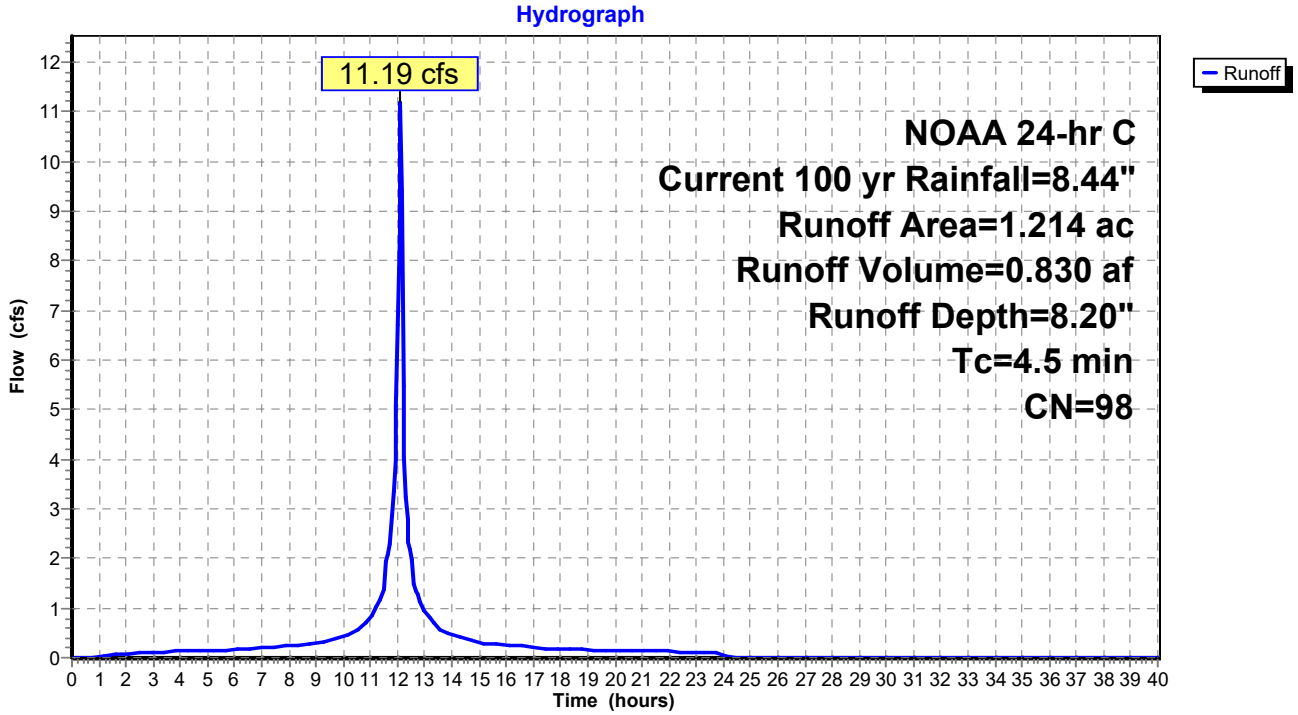
Runoff = 11.19 cfs @ 12.10 hrs, Volume= 0.830 af, Depth= 8.20"
Routed to Pond B-53 : Basin #53

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

	Area (ac)	CN	Description
*	0.628	98	Pavement, HSG C
*	0.450	98	Roof, HSG C
*	0.136	98	Concrete, HSG C
	1.214	98	Weighted Average
	1.214		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
4.5					**Direct Entry,**

Subcatchment 53I: PDA-53 (impervious)



Hydrograph for Subcatchment 53I: PDA-53 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.11	0.10
0.05	0.01	0.00	0.00	2.65	0.26	0.11	0.10
0.10	0.01	0.00	0.00	2.70	0.26	0.12	0.10
0.15	0.02	0.00	0.00	2.75	0.27	0.12	0.10
0.20	0.02	0.00	0.00	2.80	0.28	0.13	0.10
0.25	0.02	0.00	0.00	2.85	0.28	0.13	0.10
0.30	0.03	0.00	0.00	2.90	0.29	0.13	0.11
0.35	0.03	0.00	0.00	2.95	0.29	0.14	0.11
0.40	0.04	0.00	0.00	3.00	0.30	0.14	0.11
0.45	0.04	0.00	0.00	3.05	0.30	0.15	0.11
0.50	0.05	0.00	0.00	3.10	0.31	0.15	0.11
0.55	0.05	0.00	0.00	3.15	0.31	0.16	0.11
0.60	0.06	0.00	0.01	3.20	0.32	0.16	0.11
0.65	0.06	0.00	0.01	3.25	0.33	0.17	0.11
0.70	0.06	0.00	0.02	3.30	0.33	0.17	0.11
0.75	0.07	0.00	0.02	3.35	0.34	0.18	0.11
0.80	0.07	0.00	0.02	3.40	0.34	0.18	0.12
0.85	0.08	0.01	0.03	3.45	0.35	0.19	0.12
0.90	0.08	0.01	0.03	3.50	0.35	0.19	0.12
0.95	0.09	0.01	0.03	3.55	0.36	0.19	0.12
1.00	0.09	0.01	0.04	3.60	0.37	0.20	0.12
1.05	0.10	0.01	0.04	3.65	0.37	0.20	0.12
1.10	0.10	0.01	0.04	3.70	0.38	0.21	0.12
1.15	0.11	0.02	0.05	3.75	0.38	0.21	0.12
1.20	0.11	0.02	0.05	3.80	0.39	0.22	0.12
1.25	0.12	0.02	0.05	3.85	0.40	0.22	0.12
1.30	0.12	0.02	0.05	3.90	0.40	0.23	0.13
1.35	0.13	0.02	0.06	3.95	0.41	0.24	0.13
1.40	0.13	0.03	0.06	4.00	0.41	0.24	0.13
1.45	0.14	0.03	0.06	4.05	0.42	0.25	0.13
1.50	0.14	0.03	0.06	4.10	0.43	0.25	0.13
1.55	0.15	0.04	0.07	4.15	0.43	0.26	0.13
1.60	0.15	0.04	0.07	4.20	0.44	0.26	0.13
1.65	0.16	0.04	0.07	4.25	0.44	0.27	0.13
1.70	0.16	0.04	0.07	4.30	0.45	0.27	0.13
1.75	0.17	0.05	0.07	4.35	0.46	0.28	0.13
1.80	0.17	0.05	0.07	4.40	0.46	0.28	0.13
1.85	0.18	0.05	0.08	4.45	0.47	0.29	0.13
1.90	0.18	0.06	0.08	4.50	0.47	0.29	0.13
1.95	0.19	0.06	0.08	4.55	0.48	0.30	0.14
2.00	0.19	0.06	0.08	4.60	0.49	0.31	0.14
2.05	0.20	0.07	0.08	4.65	0.49	0.31	0.14
2.10	0.20	0.07	0.08	4.70	0.50	0.32	0.14
2.15	0.21	0.07	0.09	4.75	0.51	0.32	0.14
2.20	0.21	0.08	0.09	4.80	0.51	0.33	0.14
2.25	0.22	0.08	0.09	4.85	0.52	0.33	0.14
2.30	0.22	0.09	0.09	4.90	0.52	0.34	0.14
2.35	0.23	0.09	0.09	4.95	0.53	0.35	0.14
2.40	0.23	0.09	0.09	5.00	0.54	0.35	0.14
2.45	0.24	0.10	0.09	5.05	0.54	0.36	0.14
2.50	0.24	0.10	0.10	5.10	0.55	0.36	0.14
2.55	0.25	0.10	0.10	5.15	0.56	0.37	0.14

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.38	0.15	7.80	0.97	0.76	0.23
5.25	0.57	0.38	0.15	7.85	0.98	0.77	0.23
5.30	0.58	0.39	0.15	7.90	0.99	0.78	0.24
5.35	0.58	0.39	0.15	7.95	1.00	0.79	0.24
5.40	0.59	0.40	0.15	8.00	1.01	0.80	0.24
5.45	0.60	0.41	0.15	8.05	1.02	0.81	0.24
5.50	0.60	0.41	0.15	8.10	1.03	0.82	0.24
5.55	0.61	0.42	0.15	8.15	1.04	0.83	0.25
5.60	0.62	0.42	0.15	8.20	1.05	0.84	0.25
5.65	0.62	0.43	0.15	8.25	1.06	0.85	0.25
5.70	0.63	0.44	0.15	8.30	1.07	0.86	0.25
5.75	0.64	0.44	0.15	8.35	1.08	0.87	0.25
5.80	0.64	0.45	0.15	8.40	1.10	0.88	0.26
5.85	0.65	0.45	0.15	8.45	1.11	0.89	0.26
5.90	0.66	0.46	0.15	8.50	1.12	0.91	0.26
5.95	0.66	0.47	0.16	8.55	1.13	0.92	0.26
6.00	0.67	0.47	0.16	8.60	1.14	0.93	0.27
6.05	0.68	0.48	0.16	8.65	1.15	0.94	0.27
6.10	0.68	0.49	0.16	8.70	1.16	0.95	0.27
6.15	0.69	0.49	0.16	8.75	1.17	0.96	0.27
6.20	0.70	0.50	0.16	8.80	1.19	0.97	0.27
6.25	0.70	0.51	0.17	8.85	1.20	0.98	0.28
6.30	0.71	0.51	0.17	8.90	1.21	0.99	0.28
6.35	0.72	0.52	0.17	8.95	1.22	1.01	0.28
6.40	0.73	0.53	0.17	9.00	1.23	1.02	0.28
6.45	0.73	0.54	0.17	9.05	1.25	1.03	0.29
6.50	0.74	0.54	0.18	9.10	1.26	1.04	0.30
6.55	0.75	0.55	0.18	9.15	1.27	1.05	0.30
6.60	0.76	0.56	0.18	9.20	1.28	1.07	0.31
6.65	0.77	0.57	0.18	9.25	1.30	1.08	0.32
6.70	0.77	0.57	0.19	9.30	1.31	1.09	0.33
6.75	0.78	0.58	0.19	9.35	1.33	1.11	0.33
6.80	0.79	0.59	0.19	9.40	1.34	1.12	0.34
6.85	0.80	0.60	0.19	9.45	1.35	1.14	0.35
6.90	0.81	0.60	0.19	9.50	1.37	1.15	0.36
6.95	0.81	0.61	0.20	9.55	1.39	1.17	0.36
7.00	0.82	0.62	0.20	9.60	1.40	1.18	0.37
7.05	0.83	0.63	0.20	9.65	1.42	1.20	0.38
7.10	0.84	0.64	0.20	9.70	1.43	1.21	0.39
7.15	0.85	0.65	0.20	9.75	1.45	1.23	0.40
7.20	0.86	0.65	0.21	9.80	1.47	1.25	0.40
7.25	0.87	0.66	0.21	9.85	1.49	1.27	0.41
7.30	0.88	0.67	0.21	9.90	1.50	1.28	0.42
7.35	0.89	0.68	0.21	9.95	1.52	1.30	0.43
7.40	0.89	0.69	0.21	10.00	1.54	1.32	0.44
7.45	0.90	0.70	0.22	10.05	1.56	1.34	0.44
7.50	0.91	0.71	0.22	10.10	1.58	1.36	0.45
7.55	0.92	0.72	0.22	10.15	1.60	1.37	0.46
7.60	0.93	0.73	0.22	10.20	1.62	1.39	0.47
7.65	0.94	0.73	0.22	10.25	1.64	1.41	0.47
7.70	0.95	0.74	0.23	10.30	1.66	1.43	0.48
7.75	0.96	0.75	0.23	10.35	1.68	1.45	0.49

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	1.47	0.50	13.00	6.41	6.18	0.95
10.45	1.72	1.50	0.50	13.05	6.45	6.21	0.90
10.50	1.74	1.52	0.51	13.10	6.48	6.24	0.84
10.55	1.76	1.54	0.53	13.15	6.51	6.27	0.80
10.60	1.79	1.56	0.57	13.20	6.54	6.30	0.77
10.65	1.81	1.59	0.59	13.25	6.57	6.33	0.74
10.70	1.84	1.62	0.62	13.30	6.60	6.36	0.71
10.75	1.87	1.64	0.65	13.35	6.63	6.39	0.68
10.80	1.90	1.67	0.68	13.40	6.65	6.41	0.65
10.85	1.93	1.70	0.71	13.45	6.68	6.44	0.62
10.90	1.96	1.73	0.74	13.50	6.70	6.46	0.59
10.95	1.99	1.77	0.77	13.55	6.72	6.48	0.56
11.00	2.03	1.80	0.80	13.60	6.74	6.50	0.53
11.05	2.06	1.84	0.84	13.65	6.76	6.53	0.52
11.10	2.10	1.87	0.90	13.70	6.78	6.55	0.51
11.15	2.14	1.92	0.95	13.75	6.80	6.57	0.50
11.20	2.19	1.96	1.01	13.80	6.82	6.59	0.49
11.25	2.23	2.01	1.06	13.85	6.84	6.61	0.49
11.30	2.28	2.05	1.12	13.90	6.86	6.62	0.48
11.35	2.33	2.10	1.17	13.95	6.88	6.64	0.47
11.40	2.38	2.16	1.24	14.00	6.90	6.66	0.46
11.45	2.44	2.21	1.28	14.05	6.92	6.68	0.46
11.50	2.49	2.26	1.33	14.10	6.94	6.70	0.45
11.55	2.58	2.35	1.57	14.15	6.95	6.72	0.44
11.60	2.66	2.43	1.95	14.20	6.97	6.73	0.43
11.65	2.75	2.52	2.09	14.25	6.99	6.75	0.42
11.70	2.84	2.61	2.17	14.30	7.01	6.77	0.42
11.75	2.97	2.74	2.44	14.35	7.02	6.78	0.41
11.80	3.09	2.86	2.87	14.40	7.04	6.80	0.40
11.85	3.26	3.03	3.34	14.45	7.05	6.82	0.39
11.90	3.43	3.20	3.98	14.50	7.07	6.83	0.39
11.95	3.73	3.49	5.08	14.55	7.09	6.85	0.38
12.00	4.02	3.79	6.70	14.60	7.10	6.86	0.37
12.05	4.52	4.28	8.62	14.65	7.11	6.88	0.36
12.10	5.01	4.77	**11.17**	14.70	7.13	6.89	0.35
12.15	5.18	4.94	9.42	14.75	7.14	6.90	0.35
12.20	5.35	5.11	5.48	14.80	7.16	6.92	0.34
12.25	5.47	5.24	4.07	14.85	7.17	6.93	0.33
12.30	5.60	5.36	3.25	14.90	7.18	6.94	0.32
12.35	5.69	5.45	2.80	14.95	7.19	6.96	0.32
12.40	5.78	5.54	2.34	15.00	7.21	6.97	0.31
12.45	5.86	5.62	2.19	15.05	7.22	6.98	0.30
12.50	5.95	5.71	2.11	15.10	7.23	6.99	0.29
12.55	6.00	5.76	1.86	15.15	7.24	7.00	0.29
12.60	6.06	5.82	1.47	15.20	7.25	7.02	0.29
12.65	6.11	5.87	1.34	15.25	7.27	7.03	0.28
12.70	6.16	5.92	1.28	15.30	7.28	7.04	0.28
12.75	6.21	5.97	1.23	15.35	7.29	7.05	0.28
12.80	6.25	6.02	1.17	15.40	7.30	7.06	0.28
12.85	6.30	6.06	1.12	15.45	7.31	7.07	0.28
12.90	6.34	6.10	1.06	15.50	7.32	7.08	0.27
12.95	6.38	6.14	1.01	15.55	7.33	7.09	0.27

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	7.10	0.27	18.20	7.80	7.56	0.17
15.65	7.36	7.12	0.27	18.25	7.80	7.57	0.16
15.70	7.37	7.13	0.27	18.30	7.81	7.57	0.16
15.75	7.38	7.14	0.26	18.35	7.82	7.58	0.16
15.80	7.39	7.15	0.26	18.40	7.82	7.59	0.16
15.85	7.40	7.16	0.26	18.45	7.83	7.59	0.16
15.90	7.41	7.17	0.26	18.50	7.84	7.60	0.16
15.95	7.42	7.18	0.26	18.55	7.84	7.61	0.16
16.00	7.43	7.19	0.25	18.60	7.85	7.61	0.16
16.05	7.44	7.20	0.25	18.65	7.86	7.62	0.16
16.10	7.45	7.21	0.25	18.70	7.86	7.62	0.16
16.15	7.46	7.22	0.25	18.75	7.87	7.63	0.16
16.20	7.47	7.23	0.25	18.80	7.88	7.64	0.16
16.25	7.48	7.24	0.24	18.85	7.88	7.64	0.16
16.30	7.49	7.25	0.24	18.90	7.89	7.65	0.16
16.35	7.50	7.26	0.24	18.95	7.90	7.66	0.16
16.40	7.51	7.27	0.24	19.00	7.90	7.66	0.16
16.45	7.52	7.28	0.23	19.05	7.91	7.67	0.16
16.50	7.53	7.29	0.23	19.10	7.92	7.68	0.16
16.55	7.54	7.30	0.23	19.15	7.92	7.68	0.16
16.60	7.55	7.31	0.23	19.20	7.93	7.69	0.16
16.65	7.55	7.32	0.23	19.25	7.93	7.70	0.15
16.70	7.56	7.32	0.22	19.30	7.94	7.70	0.15
16.75	7.57	7.33	0.22	19.35	7.95	7.71	0.15
16.80	7.58	7.34	0.22	19.40	7.95	7.71	0.15
16.85	7.59	7.35	0.22	19.45	7.96	7.72	0.15
16.90	7.60	7.36	0.22	19.50	7.97	7.73	0.15
16.95	7.61	7.37	0.21	19.55	7.97	7.73	0.15
17.00	7.62	7.38	0.21	19.60	7.98	7.74	0.15
17.05	7.63	7.39	0.21	19.65	7.98	7.74	0.15
17.10	7.63	7.39	0.21	19.70	7.99	7.75	0.15
17.15	7.64	7.40	0.21	19.75	8.00	7.76	0.15
17.20	7.65	7.41	0.20	19.80	8.00	7.76	0.15
17.25	7.66	7.42	0.20	19.85	8.01	7.77	0.15
17.30	7.67	7.43	0.20	19.90	8.01	7.78	0.15
17.35	7.67	7.43	0.20	19.95	8.02	7.78	0.15
17.40	7.68	7.44	0.20	20.00	8.03	7.79	0.15
17.45	7.69	7.45	0.19	20.05	8.03	7.79	0.15
17.50	7.70	7.46	0.19	20.10	8.04	7.80	0.15
17.55	7.71	7.47	0.19	20.15	8.04	7.80	0.15
17.60	7.71	7.47	0.19	20.20	8.05	7.81	0.14
17.65	7.72	7.48	0.19	20.25	8.06	7.82	0.14
17.70	7.73	7.49	0.18	20.30	8.06	7.82	0.14
17.75	7.74	7.50	0.18	20.35	8.07	7.83	0.14
17.80	7.74	7.50	0.18	20.40	8.07	7.83	0.14
17.85	7.75	7.51	0.18	20.45	8.08	7.84	0.14
17.90	7.76	7.52	0.18	20.50	8.09	7.85	0.14
17.95	7.76	7.52	0.17	20.55	8.09	7.85	0.14
18.00	7.77	7.53	0.17	20.60	8.10	7.86	0.14
18.05	7.78	7.54	0.17	20.65	8.10	7.86	0.14
18.10	7.78	7.55	0.17	20.70	8.11	7.87	0.14
18.15	7.79	7.55	0.17	20.75	8.11	7.87	0.14

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	7.88	0.14	23.40	8.38	8.14	0.11
20.85	8.13	7.89	0.14	23.45	8.39	8.15	0.11
20.90	8.13	7.89	0.14	23.50	8.39	8.15	0.11
20.95	8.14	7.90	0.14	23.55	8.40	8.16	0.11
21.00	8.14	7.90	0.14	23.60	8.40	8.16	0.11
21.05	8.15	7.91	0.14	23.65	8.41	8.17	0.11
21.10	8.15	7.91	0.14	23.70	8.41	8.17	0.11
21.15	8.16	7.92	0.13	23.75	8.42	8.18	0.11
21.20	8.16	7.92	0.13	23.80	8.42	8.18	0.11
21.25	8.17	7.93	0.13	23.85	8.42	8.18	0.11
21.30	8.18	7.94	0.13	23.90	8.43	8.19	0.11
21.35	8.18	7.94	0.13	23.95	8.43	8.19	0.11
21.40	8.19	7.95	0.13	24.00	**8.44**	**8.20**	0.13
21.45	8.19	7.95	0.13	24.05	8.44	8.20	0.09
21.50	8.20	7.96	0.13	24.10	8.44	8.20	0.02
21.55	8.20	7.96	0.13	24.15	8.44	8.20	0.00
21.60	8.21	7.97	0.13	24.20	8.44	8.20	0.00
21.65	8.21	7.97	0.13	24.25	8.44	8.20	0.00
21.70	8.22	7.98	0.13	24.30	8.44	8.20	0.00
21.75	8.22	7.98	0.13	24.35	8.44	8.20	0.00
21.80	8.23	7.99	0.13	24.40	8.44	8.20	0.00
21.85	8.23	7.99	0.13	24.45	8.44	8.20	0.00
21.90	8.24	8.00	0.13	24.50	8.44	8.20	0.00
21.95	8.24	8.00	0.13	24.55	8.44	8.20	0.00
22.00	8.25	8.01	0.13	24.60	8.44	8.20	0.00
22.05	8.25	8.01	0.13	24.65	8.44	8.20	0.00
22.10	8.26	8.02	0.13	24.70	8.44	8.20	0.00
22.15	8.26	8.02	0.12	24.75	8.44	8.20	0.00
22.20	8.27	8.03	0.12	24.80	8.44	8.20	0.00
22.25	8.27	8.03	0.12	24.85	8.44	8.20	0.00
22.30	8.28	8.04	0.12	24.90	8.44	8.20	0.00
22.35	8.28	8.04	0.12	24.95	8.44	8.20	0.00
22.40	8.29	8.05	0.12	25.00	8.44	8.20	0.00
22.45	8.29	8.05	0.12	25.05	8.44	8.20	0.00
22.50	8.30	8.06	0.12	25.10	8.44	8.20	0.00
22.55	8.30	8.06	0.12	25.15	8.44	8.20	0.00
22.60	8.31	8.07	0.12	25.20	8.44	8.20	0.00
22.65	8.31	8.07	0.12	25.25	8.44	8.20	0.00
22.70	8.32	8.08	0.12	25.30	8.44	8.20	0.00
22.75	8.32	8.08	0.12	25.35	8.44	8.20	0.00
22.80	8.33	8.09	0.12	25.40	8.44	8.20	0.00
22.85	8.33	8.09	0.12	25.45	8.44	8.20	0.00
22.90	8.34	8.10	0.12	25.50	8.44	8.20	0.00
22.95	8.34	8.10	0.12	25.55	8.44	8.20	0.00
23.00	8.35	8.11	0.12	25.60	8.44	8.20	0.00
23.05	8.35	8.11	0.12	25.65	8.44	8.20	0.00
23.10	8.36	8.12	0.11	25.70	8.44	8.20	0.00
23.15	8.36	8.12	0.11	25.75	8.44	8.20	0.00
23.20	8.37	8.13	0.11	25.80	8.44	8.20	0.00
23.25	8.37	8.13	0.11	25.85	8.44	8.20	0.00
23.30	8.38	8.14	0.11	25.90	8.44	8.20	0.00
23.35	8.38	8.14	0.11	25.95	8.44	8.20	0.00

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	8.20	0.00	28.60	8.44	8.20	0.00
26.05	8.44	8.20	0.00	28.65	8.44	8.20	0.00
26.10	8.44	8.20	0.00	28.70	8.44	8.20	0.00
26.15	8.44	8.20	0.00	28.75	8.44	8.20	0.00
26.20	8.44	8.20	0.00	28.80	8.44	8.20	0.00
26.25	8.44	8.20	0.00	28.85	8.44	8.20	0.00
26.30	8.44	8.20	0.00	28.90	8.44	8.20	0.00
26.35	8.44	8.20	0.00	28.95	8.44	8.20	0.00
26.40	8.44	8.20	0.00	29.00	8.44	8.20	0.00
26.45	8.44	8.20	0.00	29.05	8.44	8.20	0.00
26.50	8.44	8.20	0.00	29.10	8.44	8.20	0.00
26.55	8.44	8.20	0.00	29.15	8.44	8.20	0.00
26.60	8.44	8.20	0.00	29.20	8.44	8.20	0.00
26.65	8.44	8.20	0.00	29.25	8.44	8.20	0.00
26.70	8.44	8.20	0.00	29.30	8.44	8.20	0.00
26.75	8.44	8.20	0.00	29.35	8.44	8.20	0.00
26.80	8.44	8.20	0.00	29.40	8.44	8.20	0.00
26.85	8.44	8.20	0.00	29.45	8.44	8.20	0.00
26.90	8.44	8.20	0.00	29.50	8.44	8.20	0.00
26.95	8.44	8.20	0.00	29.55	8.44	8.20	0.00
27.00	8.44	8.20	0.00	29.60	8.44	8.20	0.00
27.05	8.44	8.20	0.00	29.65	8.44	8.20	0.00
27.10	8.44	8.20	0.00	29.70	8.44	8.20	0.00
27.15	8.44	8.20	0.00	29.75	8.44	8.20	0.00
27.20	8.44	8.20	0.00	29.80	8.44	8.20	0.00
27.25	8.44	8.20	0.00	29.85	8.44	8.20	0.00
27.30	8.44	8.20	0.00	29.90	8.44	8.20	0.00
27.35	8.44	8.20	0.00	29.95	8.44	8.20	0.00
27.40	8.44	8.20	0.00	30.00	8.44	8.20	0.00
27.45	8.44	8.20	0.00	30.05	8.44	8.20	0.00
27.50	8.44	8.20	0.00	30.10	8.44	8.20	0.00
27.55	8.44	8.20	0.00	30.15	8.44	8.20	0.00
27.60	8.44	8.20	0.00	30.20	8.44	8.20	0.00
27.65	8.44	8.20	0.00	30.25	8.44	8.20	0.00
27.70	8.44	8.20	0.00	30.30	8.44	8.20	0.00
27.75	8.44	8.20	0.00	30.35	8.44	8.20	0.00
27.80	8.44	8.20	0.00	30.40	8.44	8.20	0.00
27.85	8.44	8.20	0.00	30.45	8.44	8.20	0.00
27.90	8.44	8.20	0.00	30.50	8.44	8.20	0.00
27.95	8.44	8.20	0.00	30.55	8.44	8.20	0.00
28.00	8.44	8.20	0.00	30.60	8.44	8.20	0.00
28.05	8.44	8.20	0.00	30.65	8.44	8.20	0.00
28.10	8.44	8.20	0.00	30.70	8.44	8.20	0.00
28.15	8.44	8.20	0.00	30.75	8.44	8.20	0.00
28.20	8.44	8.20	0.00	30.80	8.44	8.20	0.00
28.25	8.44	8.20	0.00	30.85	8.44	8.20	0.00
28.30	8.44	8.20	0.00	30.90	8.44	8.20	0.00
28.35	8.44	8.20	0.00	30.95	8.44	8.20	0.00
28.40	8.44	8.20	0.00	31.00	8.44	8.20	0.00
28.45	8.44	8.20	0.00	31.05	8.44	8.20	0.00
28.50	8.44	8.20	0.00	31.10	8.44	8.20	0.00
28.55	8.44	8.20	0.00	31.15	8.44	8.20	0.00

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	8.20	0.00	33.80	8.44	8.20	0.00
31.25	8.44	8.20	0.00	33.85	8.44	8.20	0.00
31.30	8.44	8.20	0.00	33.90	8.44	8.20	0.00
31.35	8.44	8.20	0.00	33.95	8.44	8.20	0.00
31.40	8.44	8.20	0.00	34.00	8.44	8.20	0.00
31.45	8.44	8.20	0.00	34.05	8.44	8.20	0.00
31.50	8.44	8.20	0.00	34.10	8.44	8.20	0.00
31.55	8.44	8.20	0.00	34.15	8.44	8.20	0.00
31.60	8.44	8.20	0.00	34.20	8.44	8.20	0.00
31.65	8.44	8.20	0.00	34.25	8.44	8.20	0.00
31.70	8.44	8.20	0.00	34.30	8.44	8.20	0.00
31.75	8.44	8.20	0.00	34.35	8.44	8.20	0.00
31.80	8.44	8.20	0.00	34.40	8.44	8.20	0.00
31.85	8.44	8.20	0.00	34.45	8.44	8.20	0.00
31.90	8.44	8.20	0.00	34.50	8.44	8.20	0.00
31.95	8.44	8.20	0.00	34.55	8.44	8.20	0.00
32.00	8.44	8.20	0.00	34.60	8.44	8.20	0.00
32.05	8.44	8.20	0.00	34.65	8.44	8.20	0.00
32.10	8.44	8.20	0.00	34.70	8.44	8.20	0.00
32.15	8.44	8.20	0.00	34.75	8.44	8.20	0.00
32.20	8.44	8.20	0.00	34.80	8.44	8.20	0.00
32.25	8.44	8.20	0.00	34.85	8.44	8.20	0.00
32.30	8.44	8.20	0.00	34.90	8.44	8.20	0.00
32.35	8.44	8.20	0.00	34.95	8.44	8.20	0.00
32.40	8.44	8.20	0.00	35.00	8.44	8.20	0.00
32.45	8.44	8.20	0.00	35.05	8.44	8.20	0.00
32.50	8.44	8.20	0.00	35.10	8.44	8.20	0.00
32.55	8.44	8.20	0.00	35.15	8.44	8.20	0.00
32.60	8.44	8.20	0.00	35.20	8.44	8.20	0.00
32.65	8.44	8.20	0.00	35.25	8.44	8.20	0.00
32.70	8.44	8.20	0.00	35.30	8.44	8.20	0.00
32.75	8.44	8.20	0.00	35.35	8.44	8.20	0.00
32.80	8.44	8.20	0.00	35.40	8.44	8.20	0.00
32.85	8.44	8.20	0.00	35.45	8.44	8.20	0.00
32.90	8.44	8.20	0.00	35.50	8.44	8.20	0.00
32.95	8.44	8.20	0.00	35.55	8.44	8.20	0.00
33.00	8.44	8.20	0.00	35.60	8.44	8.20	0.00
33.05	8.44	8.20	0.00	35.65	8.44	8.20	0.00
33.10	8.44	8.20	0.00	35.70	8.44	8.20	0.00
33.15	8.44	8.20	0.00	35.75	8.44	8.20	0.00
33.20	8.44	8.20	0.00	35.80	8.44	8.20	0.00
33.25	8.44	8.20	0.00	35.85	8.44	8.20	0.00
33.30	8.44	8.20	0.00	35.90	8.44	8.20	0.00
33.35	8.44	8.20	0.00	35.95	8.44	8.20	0.00
33.40	8.44	8.20	0.00	36.00	8.44	8.20	0.00
33.45	8.44	8.20	0.00	36.05	8.44	8.20	0.00
33.50	8.44	8.20	0.00	36.10	8.44	8.20	0.00
33.55	8.44	8.20	0.00	36.15	8.44	8.20	0.00
33.60	8.44	8.20	0.00	36.20	8.44	8.20	0.00
33.65	8.44	8.20	0.00	36.25	8.44	8.20	0.00
33.70	8.44	8.20	0.00	36.30	8.44	8.20	0.00
33.75	8.44	8.20	0.00	36.35	8.44	8.20	0.00

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	8.20	0.00
36.45	8.44	8.20	0.00
36.50	8.44	8.20	0.00
36.55	8.44	8.20	0.00
36.60	8.44	8.20	0.00
36.65	8.44	8.20	0.00
36.70	8.44	8.20	0.00
36.75	8.44	8.20	0.00
36.80	8.44	8.20	0.00
36.85	8.44	8.20	0.00
36.90	8.44	8.20	0.00
36.95	8.44	8.20	0.00
37.00	8.44	8.20	0.00
37.05	8.44	8.20	0.00
37.10	8.44	8.20	0.00
37.15	8.44	8.20	0.00
37.20	8.44	8.20	0.00
37.25	8.44	8.20	0.00
37.30	8.44	8.20	0.00
37.35	8.44	8.20	0.00
37.40	8.44	8.20	0.00
37.45	8.44	8.20	0.00
37.50	8.44	8.20	0.00
37.55	8.44	8.20	0.00
37.60	8.44	8.20	0.00
37.65	8.44	8.20	0.00
37.70	8.44	8.20	0.00
37.75	8.44	8.20	0.00
37.80	8.44	8.20	0.00
37.85	8.44	8.20	0.00
37.90	8.44	8.20	0.00
37.95	8.44	8.20	0.00
38.00	8.44	8.20	0.00
38.05	8.44	8.20	0.00
38.10	8.44	8.20	0.00
38.15	8.44	8.20	0.00
38.20	8.44	8.20	0.00
38.25	8.44	8.20	0.00
38.30	8.44	8.20	0.00
38.35	8.44	8.20	0.00
38.40	8.44	8.20	0.00
38.45	8.44	8.20	0.00
38.50	8.44	8.20	0.00
38.55	8.44	8.20	0.00
38.60	8.44	8.20	0.00
38.65	8.44	8.20	0.00
38.70	8.44	8.20	0.00
38.75	8.44	8.20	0.00
38.80	8.44	8.20	0.00
38.85	8.44	8.20	0.00
38.90	8.44	8.20	0.00
38.95	8.44	8.20	0.00
39.00	8.44	8.20	0.00
39.05	8.44	8.20	0.00
39.10	8.44	8.20	0.00
39.15	8.44	8.20	0.00
39.20	8.44	8.20	0.00
39.25	8.44	8.20	0.00
39.30	8.44	8.20	0.00
39.35	8.44	8.20	0.00
39.40	8.44	8.20	0.00
39.45	8.44	8.20	0.00
39.50	8.44	8.20	0.00
39.55	8.44	8.20	0.00
39.60	8.44	8.20	0.00
39.65	8.44	8.20	0.00
39.70	8.44	8.20	0.00
39.75	8.44	8.20	0.00
39.80	8.44	8.20	0.00
39.85	8.44	8.20	0.00
39.90	8.44	8.20	0.00
39.95	8.44	8.20	0.00
40.00	8.44	8.20	0.00

Summary for Subcatchment 53P: PDA-53 (pervious)

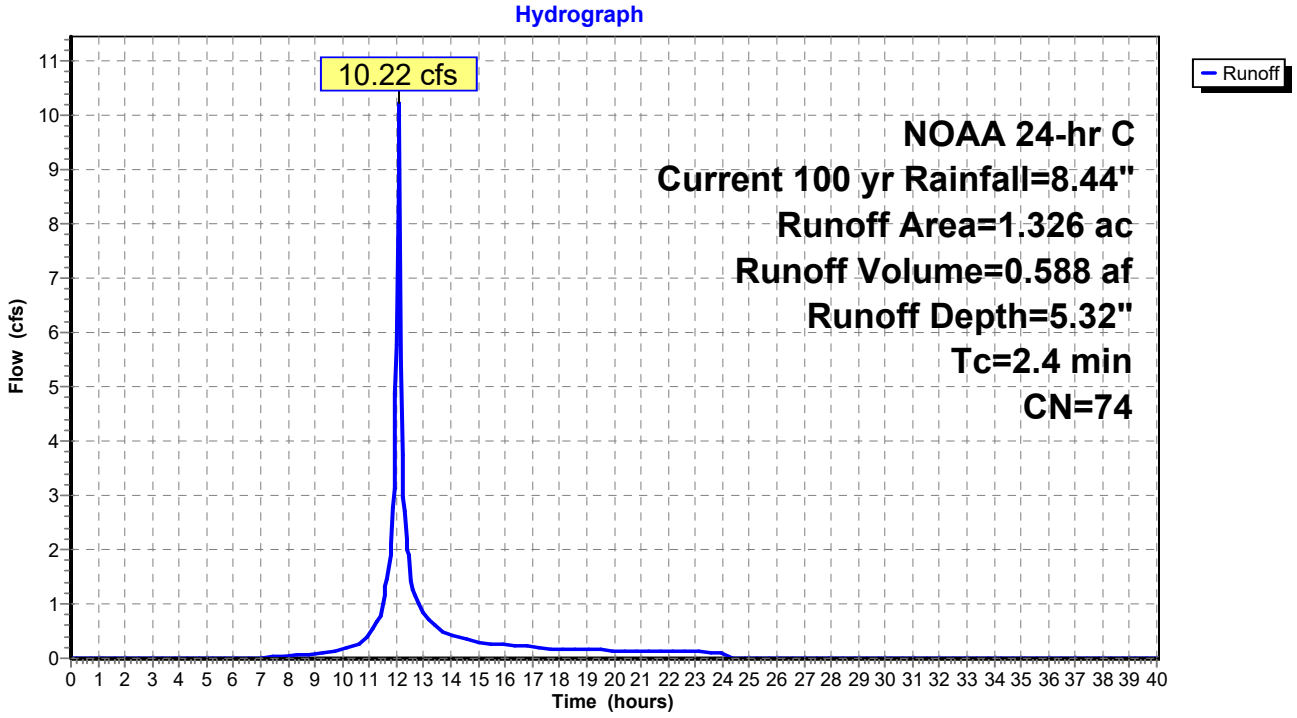
Runoff = 10.22 cfs @ 12.09 hrs, Volume= 0.588 af, Depth= 5.32"
Routed to Pond B-53 : Basin #53

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
1.326	74	>75% Grass cover, Good, HSG C
1.326		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.4					**Direct Entry,**

Subcatchment 53P: PDA-53 (pervious)



Hydrograph for Subcatchment 53P: PDA-53 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.02	0.03
5.25	0.57	0.00	0.00	7.85	0.98	0.02	0.04
5.30	0.58	0.00	0.00	7.90	0.99	0.02	0.04
5.35	0.58	0.00	0.00	7.95	1.00	0.02	0.04
5.40	0.59	0.00	0.00	8.00	1.01	0.02	0.04
5.45	0.60	0.00	0.00	8.05	1.02	0.03	0.04
5.50	0.60	0.00	0.00	8.10	1.03	0.03	0.04
5.55	0.61	0.00	0.00	8.15	1.04	0.03	0.05
5.60	0.62	0.00	0.00	8.20	1.05	0.03	0.05
5.65	0.62	0.00	0.00	8.25	1.06	0.03	0.05
5.70	0.63	0.00	0.00	8.30	1.07	0.04	0.05
5.75	0.64	0.00	0.00	8.35	1.08	0.04	0.05
5.80	0.64	0.00	0.00	8.40	1.10	0.04	0.05
5.85	0.65	0.00	0.00	8.45	1.11	0.04	0.06
5.90	0.66	0.00	0.00	8.50	1.12	0.04	0.06
5.95	0.66	0.00	0.00	8.55	1.13	0.05	0.06
6.00	0.67	0.00	0.00	8.60	1.14	0.05	0.06
6.05	0.68	0.00	0.00	8.65	1.15	0.05	0.06
6.10	0.68	0.00	0.00	8.70	1.16	0.05	0.07
6.15	0.69	0.00	0.00	8.75	1.17	0.06	0.07
6.20	0.70	0.00	0.00	8.80	1.19	0.06	0.07
6.25	0.70	0.00	0.00	8.85	1.20	0.06	0.07
6.30	0.71	0.00	0.00	8.90	1.21	0.06	0.07
6.35	0.72	0.00	0.00	8.95	1.22	0.07	0.07
6.40	0.73	0.00	0.00	9.00	1.23	0.07	0.08
6.45	0.73	0.00	0.00	9.05	1.25	0.07	0.08
6.50	0.74	0.00	0.00	9.10	1.26	0.08	0.08
6.55	0.75	0.00	0.00	9.15	1.27	0.08	0.09
6.60	0.76	0.00	0.01	9.20	1.28	0.08	0.09
6.65	0.77	0.00	0.01	9.25	1.30	0.09	0.10
6.70	0.77	0.00	0.01	9.30	1.31	0.09	0.10
6.75	0.78	0.00	0.01	9.35	1.33	0.09	0.10
6.80	0.79	0.00	0.01	9.40	1.34	0.10	0.11
6.85	0.80	0.00	0.01	9.45	1.35	0.10	0.11
6.90	0.81	0.00	0.01	9.50	1.37	0.11	0.12
6.95	0.81	0.00	0.01	9.55	1.39	0.11	0.12
7.00	0.82	0.00	0.01	9.60	1.40	0.12	0.13
7.05	0.83	0.00	0.02	9.65	1.42	0.12	0.13
7.10	0.84	0.01	0.02	9.70	1.43	0.13	0.14
7.15	0.85	0.01	0.02	9.75	1.45	0.13	0.14
7.20	0.86	0.01	0.02	9.80	1.47	0.14	0.15
7.25	0.87	0.01	0.02	9.85	1.49	0.14	0.15
7.30	0.88	0.01	0.02	9.90	1.50	0.15	0.16
7.35	0.89	0.01	0.02	9.95	1.52	0.15	0.16
7.40	0.89	0.01	0.02	10.00	1.54	0.16	0.17
7.45	0.90	0.01	0.03	10.05	1.56	0.17	0.17
7.50	0.91	0.01	0.03	10.10	1.58	0.17	0.18
7.55	0.92	0.01	0.03	10.15	1.60	0.18	0.19
7.60	0.93	0.01	0.03	10.20	1.62	0.19	0.19
7.65	0.94	0.02	0.03	10.25	1.64	0.20	0.20
7.70	0.95	0.02	0.03	10.30	1.66	0.20	0.20
7.75	0.96	0.02	0.03	10.35	1.68	0.21	0.21

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.22	0.21	13.00	6.41	3.54	0.87
10.45	1.72	0.23	0.22	13.05	6.45	3.57	0.79
10.50	1.74	0.24	0.23	13.10	6.48	3.59	0.77
10.55	1.76	0.25	0.25	13.15	6.51	3.62	0.73
10.60	1.79	0.26	0.26	13.20	6.54	3.65	0.71
10.65	1.81	0.27	0.29	13.25	6.57	3.67	0.67
10.70	1.84	0.28	0.30	13.30	6.60	3.70	0.66
10.75	1.87	0.29	0.32	13.35	6.63	3.72	0.62
10.80	1.90	0.30	0.34	13.40	6.65	3.74	0.60
10.85	1.93	0.32	0.36	13.45	6.68	3.76	0.56
10.90	1.96	0.33	0.38	13.50	6.70	3.78	0.55
10.95	1.99	0.35	0.40	13.55	6.72	3.80	0.51
11.00	2.03	0.36	0.42	13.60	6.74	3.82	0.49
11.05	2.06	0.38	0.47	13.65	6.76	3.84	0.48
11.10	2.10	0.40	0.49	13.70	6.78	3.85	0.48
11.15	2.14	0.42	0.54	13.75	6.80	3.87	0.47
11.20	2.19	0.44	0.57	13.80	6.82	3.89	0.46
11.25	2.23	0.46	0.62	13.85	6.84	3.91	0.45
11.30	2.28	0.49	0.65	13.90	6.86	3.92	0.45
11.35	2.33	0.52	0.71	13.95	6.88	3.94	0.44
11.40	2.38	0.54	0.74	14.00	6.90	3.96	0.44
11.45	2.44	0.57	0.79	14.05	6.92	3.97	0.43
11.50	2.49	0.60	0.83	14.10	6.94	3.99	0.42
11.55	2.58	0.65	1.17	14.15	6.95	4.00	0.41
11.60	2.66	0.70	1.32	14.20	6.97	4.02	0.41
11.65	2.75	0.76	1.40	14.25	6.99	4.03	0.40
11.70	2.84	0.81	1.47	14.30	7.01	4.05	0.39
11.75	2.97	0.89	1.89	14.35	7.02	4.06	0.38
11.80	3.09	0.97	2.11	14.40	7.04	4.08	0.38
11.85	3.26	1.08	2.76	14.45	7.05	4.09	0.37
11.90	3.43	1.19	3.13	14.50	7.07	4.10	0.37
11.95	3.73	1.40	4.87	14.55	7.09	4.12	0.35
12.00	4.02	1.61	5.76	14.60	7.10	4.13	0.35
12.05	4.52	1.98	8.82	14.65	7.11	4.14	0.34
12.10	5.01	2.37	**9.97**	14.70	7.13	4.15	0.34
12.15	5.18	2.51	5.43	14.75	7.14	4.17	0.33
12.20	5.35	2.65	3.74	14.80	7.16	4.18	0.32
12.25	5.47	2.75	2.96	14.85	7.17	4.19	0.31
12.30	5.60	2.85	2.69	14.90	7.18	4.20	0.31
12.35	5.69	2.92	2.18	14.95	7.19	4.21	0.30
12.40	5.78	3.00	2.00	15.00	7.21	4.22	0.29
12.45	5.86	3.07	1.93	15.05	7.22	4.23	0.28
12.50	5.95	3.14	1.89	15.10	7.23	4.24	0.28
12.55	6.00	3.19	1.41	15.15	7.24	4.25	0.27
12.60	6.06	3.23	1.24	15.20	7.25	4.26	0.27
12.65	6.11	3.28	1.18	15.25	7.27	4.27	0.27
12.70	6.16	3.32	1.16	15.30	7.28	4.28	0.27
12.75	6.21	3.36	1.09	15.35	7.29	4.29	0.27
12.80	6.25	3.40	1.07	15.40	7.30	4.30	0.27
12.85	6.30	3.44	0.99	15.45	7.31	4.31	0.26
12.90	6.34	3.47	0.97	15.50	7.32	4.32	0.26
12.95	6.38	3.50	0.89	15.55	7.33	4.33	0.26

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	4.34	0.26	18.20	7.80	4.75	0.16
15.65	7.36	4.35	0.26	18.25	7.80	4.75	0.16
15.70	7.37	4.36	0.25	18.30	7.81	4.76	0.16
15.75	7.38	4.37	0.25	18.35	7.82	4.76	0.16
15.80	7.39	4.38	0.25	18.40	7.82	4.77	0.16
15.85	7.40	4.39	0.25	18.45	7.83	4.78	0.16
15.90	7.41	4.40	0.25	18.50	7.84	4.78	0.16
15.95	7.42	4.41	0.24	18.55	7.84	4.79	0.16
16.00	7.43	4.42	0.24	18.60	7.85	4.79	0.16
16.05	7.44	4.43	0.24	18.65	7.86	4.80	0.16
16.10	7.45	4.44	0.24	18.70	7.86	4.80	0.16
16.15	7.46	4.44	0.24	18.75	7.87	4.81	0.16
16.20	7.47	4.45	0.24	18.80	7.88	4.82	0.15
16.25	7.48	4.46	0.23	18.85	7.88	4.82	0.15
16.30	7.49	4.47	0.23	18.90	7.89	4.83	0.15
16.35	7.50	4.48	0.23	18.95	7.90	4.83	0.15
16.40	7.51	4.49	0.23	19.00	7.90	4.84	0.15
16.45	7.52	4.50	0.22	19.05	7.91	4.84	0.15
16.50	7.53	4.50	0.22	19.10	7.92	4.85	0.15
16.55	7.54	4.51	0.22	19.15	7.92	4.86	0.15
16.60	7.55	4.52	0.22	19.20	7.93	4.86	0.15
16.65	7.55	4.53	0.22	19.25	7.93	4.87	0.15
16.70	7.56	4.54	0.22	19.30	7.94	4.87	0.15
16.75	7.57	4.55	0.21	19.35	7.95	4.88	0.15
16.80	7.58	4.55	0.21	19.40	7.95	4.88	0.15
16.85	7.59	4.56	0.21	19.45	7.96	4.89	0.15
16.90	7.60	4.57	0.21	19.50	7.97	4.90	0.15
16.95	7.61	4.58	0.21	19.55	7.97	4.90	0.15
17.00	7.62	4.58	0.20	19.60	7.98	4.91	0.15
17.05	7.63	4.59	0.20	19.65	7.98	4.91	0.15
17.10	7.63	4.60	0.20	19.70	7.99	4.92	0.15
17.15	7.64	4.61	0.20	19.75	8.00	4.92	0.15
17.20	7.65	4.61	0.20	19.80	8.00	4.93	0.15
17.25	7.66	4.62	0.19	19.85	8.01	4.93	0.14
17.30	7.67	4.63	0.19	19.90	8.01	4.94	0.14
17.35	7.67	4.64	0.19	19.95	8.02	4.94	0.14
17.40	7.68	4.64	0.19	20.00	8.03	4.95	0.14
17.45	7.69	4.65	0.19	20.05	8.03	4.96	0.14
17.50	7.70	4.66	0.19	20.10	8.04	4.96	0.14
17.55	7.71	4.66	0.18	20.15	8.04	4.97	0.14
17.60	7.71	4.67	0.18	20.20	8.05	4.97	0.14
17.65	7.72	4.68	0.18	20.25	8.06	4.98	0.14
17.70	7.73	4.68	0.18	20.30	8.06	4.98	0.14
17.75	7.74	4.69	0.17	20.35	8.07	4.99	0.14
17.80	7.74	4.70	0.17	20.40	8.07	4.99	0.14
17.85	7.75	4.70	0.17	20.45	8.08	5.00	0.14
17.90	7.76	4.71	0.17	20.50	8.09	5.00	0.14
17.95	7.76	4.72	0.17	20.55	8.09	5.01	0.14
18.00	7.77	4.72	0.17	20.60	8.10	5.01	0.14
18.05	7.78	4.73	0.16	20.65	8.10	5.02	0.14
18.10	7.78	4.73	0.16	20.70	8.11	5.02	0.14
18.15	7.79	4.74	0.16	20.75	8.11	5.03	0.14

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	5.03	0.14	23.40	8.38	5.27	0.11
20.85	8.13	5.04	0.13	23.45	8.39	5.28	0.11
20.90	8.13	5.04	0.13	23.50	8.39	5.28	0.11
20.95	8.14	5.05	0.13	23.55	8.40	5.28	0.11
21.00	8.14	5.05	0.13	23.60	8.40	5.29	0.11
21.05	8.15	5.06	0.13	23.65	8.41	5.29	0.11
21.10	8.15	5.06	0.13	23.70	8.41	5.30	0.11
21.15	8.16	5.07	0.13	23.75	8.42	5.30	0.11
21.20	8.16	5.07	0.13	23.80	8.42	5.30	0.11
21.25	8.17	5.08	0.13	23.85	8.42	5.31	0.11
21.30	8.18	5.08	0.13	23.90	8.43	5.31	0.11
21.35	8.18	5.09	0.13	23.95	8.43	5.32	0.12
21.40	8.19	5.09	0.13	24.00	**8.44**	**5.32**	0.13
21.45	8.19	5.10	0.13	24.05	8.44	5.32	0.03
21.50	8.20	5.10	0.13	24.10	8.44	5.32	0.00
21.55	8.20	5.11	0.13	24.15	8.44	5.32	0.00
21.60	8.21	5.11	0.13	24.20	8.44	5.32	0.00
21.65	8.21	5.12	0.13	24.25	8.44	5.32	0.00
21.70	8.22	5.12	0.13	24.30	8.44	5.32	0.00
21.75	8.22	5.13	0.13	24.35	8.44	5.32	0.00
21.80	8.23	5.13	0.13	24.40	8.44	5.32	0.00
21.85	8.23	5.14	0.13	24.45	8.44	5.32	0.00
21.90	8.24	5.14	0.12	24.50	8.44	5.32	0.00
21.95	8.24	5.14	0.12	24.55	8.44	5.32	0.00
22.00	8.25	5.15	0.12	24.60	8.44	5.32	0.00
22.05	8.25	5.15	0.12	24.65	8.44	5.32	0.00
22.10	8.26	5.16	0.12	24.70	8.44	5.32	0.00
22.15	8.26	5.16	0.12	24.75	8.44	5.32	0.00
22.20	8.27	5.17	0.12	24.80	8.44	5.32	0.00
22.25	8.27	5.17	0.12	24.85	8.44	5.32	0.00
22.30	8.28	5.18	0.12	24.90	8.44	5.32	0.00
22.35	8.28	5.18	0.12	24.95	8.44	5.32	0.00
22.40	8.29	5.19	0.12	25.00	8.44	5.32	0.00
22.45	8.29	5.19	0.12	25.05	8.44	5.32	0.00
22.50	8.30	5.19	0.12	25.10	8.44	5.32	0.00
22.55	8.30	5.20	0.12	25.15	8.44	5.32	0.00
22.60	8.31	5.20	0.12	25.20	8.44	5.32	0.00
22.65	8.31	5.21	0.12	25.25	8.44	5.32	0.00
22.70	8.32	5.21	0.12	25.30	8.44	5.32	0.00
22.75	8.32	5.22	0.12	25.35	8.44	5.32	0.00
22.80	8.33	5.22	0.12	25.40	8.44	5.32	0.00
22.85	8.33	5.22	0.12	25.45	8.44	5.32	0.00
22.90	8.34	5.23	0.11	25.50	8.44	5.32	0.00
22.95	8.34	5.23	0.11	25.55	8.44	5.32	0.00
23.00	8.35	5.24	0.11	25.60	8.44	5.32	0.00
23.05	8.35	5.24	0.11	25.65	8.44	5.32	0.00
23.10	8.36	5.25	0.11	25.70	8.44	5.32	0.00
23.15	8.36	5.25	0.11	25.75	8.44	5.32	0.00
23.20	8.37	5.25	0.11	25.80	8.44	5.32	0.00
23.25	8.37	5.26	0.11	25.85	8.44	5.32	0.00
23.30	8.38	5.26	0.11	25.90	8.44	5.32	0.00
23.35	8.38	5.27	0.11	25.95	8.44	5.32	0.00

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	5.32	0.00	28.60	8.44	5.32	0.00
26.05	8.44	5.32	0.00	28.65	8.44	5.32	0.00
26.10	8.44	5.32	0.00	28.70	8.44	5.32	0.00
26.15	8.44	5.32	0.00	28.75	8.44	5.32	0.00
26.20	8.44	5.32	0.00	28.80	8.44	5.32	0.00
26.25	8.44	5.32	0.00	28.85	8.44	5.32	0.00
26.30	8.44	5.32	0.00	28.90	8.44	5.32	0.00
26.35	8.44	5.32	0.00	28.95	8.44	5.32	0.00
26.40	8.44	5.32	0.00	29.00	8.44	5.32	0.00
26.45	8.44	5.32	0.00	29.05	8.44	5.32	0.00
26.50	8.44	5.32	0.00	29.10	8.44	5.32	0.00
26.55	8.44	5.32	0.00	29.15	8.44	5.32	0.00
26.60	8.44	5.32	0.00	29.20	8.44	5.32	0.00
26.65	8.44	5.32	0.00	29.25	8.44	5.32	0.00
26.70	8.44	5.32	0.00	29.30	8.44	5.32	0.00
26.75	8.44	5.32	0.00	29.35	8.44	5.32	0.00
26.80	8.44	5.32	0.00	29.40	8.44	5.32	0.00
26.85	8.44	5.32	0.00	29.45	8.44	5.32	0.00
26.90	8.44	5.32	0.00	29.50	8.44	5.32	0.00
26.95	8.44	5.32	0.00	29.55	8.44	5.32	0.00
27.00	8.44	5.32	0.00	29.60	8.44	5.32	0.00
27.05	8.44	5.32	0.00	29.65	8.44	5.32	0.00
27.10	8.44	5.32	0.00	29.70	8.44	5.32	0.00
27.15	8.44	5.32	0.00	29.75	8.44	5.32	0.00
27.20	8.44	5.32	0.00	29.80	8.44	5.32	0.00
27.25	8.44	5.32	0.00	29.85	8.44	5.32	0.00
27.30	8.44	5.32	0.00	29.90	8.44	5.32	0.00
27.35	8.44	5.32	0.00	29.95	8.44	5.32	0.00
27.40	8.44	5.32	0.00	30.00	8.44	5.32	0.00
27.45	8.44	5.32	0.00	30.05	8.44	5.32	0.00
27.50	8.44	5.32	0.00	30.10	8.44	5.32	0.00
27.55	8.44	5.32	0.00	30.15	8.44	5.32	0.00
27.60	8.44	5.32	0.00	30.20	8.44	5.32	0.00
27.65	8.44	5.32	0.00	30.25	8.44	5.32	0.00
27.70	8.44	5.32	0.00	30.30	8.44	5.32	0.00
27.75	8.44	5.32	0.00	30.35	8.44	5.32	0.00
27.80	8.44	5.32	0.00	30.40	8.44	5.32	0.00
27.85	8.44	5.32	0.00	30.45	8.44	5.32	0.00
27.90	8.44	5.32	0.00	30.50	8.44	5.32	0.00
27.95	8.44	5.32	0.00	30.55	8.44	5.32	0.00
28.00	8.44	5.32	0.00	30.60	8.44	5.32	0.00
28.05	8.44	5.32	0.00	30.65	8.44	5.32	0.00
28.10	8.44	5.32	0.00	30.70	8.44	5.32	0.00
28.15	8.44	5.32	0.00	30.75	8.44	5.32	0.00
28.20	8.44	5.32	0.00	30.80	8.44	5.32	0.00
28.25	8.44	5.32	0.00	30.85	8.44	5.32	0.00
28.30	8.44	5.32	0.00	30.90	8.44	5.32	0.00
28.35	8.44	5.32	0.00	30.95	8.44	5.32	0.00
28.40	8.44	5.32	0.00	31.00	8.44	5.32	0.00
28.45	8.44	5.32	0.00	31.05	8.44	5.32	0.00
28.50	8.44	5.32	0.00	31.10	8.44	5.32	0.00
28.55	8.44	5.32	0.00	31.15	8.44	5.32	0.00

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	5.32	0.00	33.80	8.44	5.32	0.00
31.25	8.44	5.32	0.00	33.85	8.44	5.32	0.00
31.30	8.44	5.32	0.00	33.90	8.44	5.32	0.00
31.35	8.44	5.32	0.00	33.95	8.44	5.32	0.00
31.40	8.44	5.32	0.00	34.00	8.44	5.32	0.00
31.45	8.44	5.32	0.00	34.05	8.44	5.32	0.00
31.50	8.44	5.32	0.00	34.10	8.44	5.32	0.00
31.55	8.44	5.32	0.00	34.15	8.44	5.32	0.00
31.60	8.44	5.32	0.00	34.20	8.44	5.32	0.00
31.65	8.44	5.32	0.00	34.25	8.44	5.32	0.00
31.70	8.44	5.32	0.00	34.30	8.44	5.32	0.00
31.75	8.44	5.32	0.00	34.35	8.44	5.32	0.00
31.80	8.44	5.32	0.00	34.40	8.44	5.32	0.00
31.85	8.44	5.32	0.00	34.45	8.44	5.32	0.00
31.90	8.44	5.32	0.00	34.50	8.44	5.32	0.00
31.95	8.44	5.32	0.00	34.55	8.44	5.32	0.00
32.00	8.44	5.32	0.00	34.60	8.44	5.32	0.00
32.05	8.44	5.32	0.00	34.65	8.44	5.32	0.00
32.10	8.44	5.32	0.00	34.70	8.44	5.32	0.00
32.15	8.44	5.32	0.00	34.75	8.44	5.32	0.00
32.20	8.44	5.32	0.00	34.80	8.44	5.32	0.00
32.25	8.44	5.32	0.00	34.85	8.44	5.32	0.00
32.30	8.44	5.32	0.00	34.90	8.44	5.32	0.00
32.35	8.44	5.32	0.00	34.95	8.44	5.32	0.00
32.40	8.44	5.32	0.00	35.00	8.44	5.32	0.00
32.45	8.44	5.32	0.00	35.05	8.44	5.32	0.00
32.50	8.44	5.32	0.00	35.10	8.44	5.32	0.00
32.55	8.44	5.32	0.00	35.15	8.44	5.32	0.00
32.60	8.44	5.32	0.00	35.20	8.44	5.32	0.00
32.65	8.44	5.32	0.00	35.25	8.44	5.32	0.00
32.70	8.44	5.32	0.00	35.30	8.44	5.32	0.00
32.75	8.44	5.32	0.00	35.35	8.44	5.32	0.00
32.80	8.44	5.32	0.00	35.40	8.44	5.32	0.00
32.85	8.44	5.32	0.00	35.45	8.44	5.32	0.00
32.90	8.44	5.32	0.00	35.50	8.44	5.32	0.00
32.95	8.44	5.32	0.00	35.55	8.44	5.32	0.00
33.00	8.44	5.32	0.00	35.60	8.44	5.32	0.00
33.05	8.44	5.32	0.00	35.65	8.44	5.32	0.00
33.10	8.44	5.32	0.00	35.70	8.44	5.32	0.00
33.15	8.44	5.32	0.00	35.75	8.44	5.32	0.00
33.20	8.44	5.32	0.00	35.80	8.44	5.32	0.00
33.25	8.44	5.32	0.00	35.85	8.44	5.32	0.00
33.30	8.44	5.32	0.00	35.90	8.44	5.32	0.00
33.35	8.44	5.32	0.00	35.95	8.44	5.32	0.00
33.40	8.44	5.32	0.00	36.00	8.44	5.32	0.00
33.45	8.44	5.32	0.00	36.05	8.44	5.32	0.00
33.50	8.44	5.32	0.00	36.10	8.44	5.32	0.00
33.55	8.44	5.32	0.00	36.15	8.44	5.32	0.00
33.60	8.44	5.32	0.00	36.20	8.44	5.32	0.00
33.65	8.44	5.32	0.00	36.25	8.44	5.32	0.00
33.70	8.44	5.32	0.00	36.30	8.44	5.32	0.00
33.75	8.44	5.32	0.00	36.35	8.44	5.32	0.00

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	5.32	0.00
36.45	8.44	5.32	0.00
36.50	8.44	5.32	0.00
36.55	8.44	5.32	0.00
36.60	8.44	5.32	0.00
36.65	8.44	5.32	0.00
36.70	8.44	5.32	0.00
36.75	8.44	5.32	0.00
36.80	8.44	5.32	0.00
36.85	8.44	5.32	0.00
36.90	8.44	5.32	0.00
36.95	8.44	5.32	0.00
37.00	8.44	5.32	0.00
37.05	8.44	5.32	0.00
37.10	8.44	5.32	0.00
37.15	8.44	5.32	0.00
37.20	8.44	5.32	0.00
37.25	8.44	5.32	0.00
37.30	8.44	5.32	0.00
37.35	8.44	5.32	0.00
37.40	8.44	5.32	0.00
37.45	8.44	5.32	0.00
37.50	8.44	5.32	0.00
37.55	8.44	5.32	0.00
37.60	8.44	5.32	0.00
37.65	8.44	5.32	0.00
37.70	8.44	5.32	0.00
37.75	8.44	5.32	0.00
37.80	8.44	5.32	0.00
37.85	8.44	5.32	0.00
37.90	8.44	5.32	0.00
37.95	8.44	5.32	0.00
38.00	8.44	5.32	0.00
38.05	8.44	5.32	0.00
38.10	8.44	5.32	0.00
38.15	8.44	5.32	0.00
38.20	8.44	5.32	0.00
38.25	8.44	5.32	0.00
38.30	8.44	5.32	0.00
38.35	8.44	5.32	0.00
38.40	8.44	5.32	0.00
38.45	8.44	5.32	0.00
38.50	8.44	5.32	0.00
38.55	8.44	5.32	0.00
38.60	8.44	5.32	0.00
38.65	8.44	5.32	0.00
38.70	8.44	5.32	0.00
38.75	8.44	5.32	0.00
38.80	8.44	5.32	0.00
38.85	8.44	5.32	0.00
38.90	8.44	5.32	0.00
38.95	8.44	5.32	0.00
39.00	8.44	5.32	0.00
39.05	8.44	5.32	0.00
39.10	8.44	5.32	0.00
39.15	8.44	5.32	0.00
39.20	8.44	5.32	0.00
39.25	8.44	5.32	0.00
39.30	8.44	5.32	0.00
39.35	8.44	5.32	0.00
39.40	8.44	5.32	0.00
39.45	8.44	5.32	0.00
39.50	8.44	5.32	0.00
39.55	8.44	5.32	0.00
39.60	8.44	5.32	0.00
39.65	8.44	5.32	0.00
39.70	8.44	5.32	0.00
39.75	8.44	5.32	0.00
39.80	8.44	5.32	0.00
39.85	8.44	5.32	0.00
39.90	8.44	5.32	0.00
39.95	8.44	5.32	0.00
40.00	8.44	5.32	0.00

Summary for Subcatchment 54l: PDA-54 (impervious)

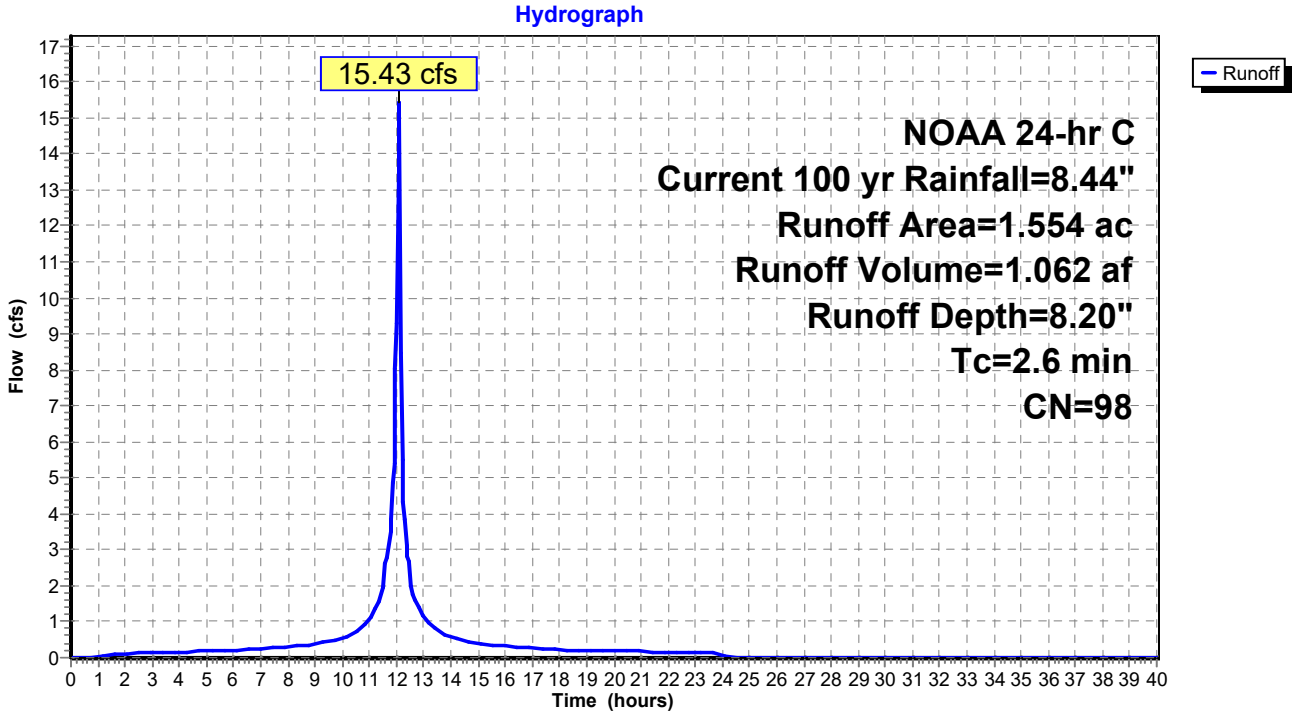
Runoff = 15.43 cfs @ 12.08 hrs, Volume= 1.062 af, Depth= 8.20"
Routed to Pond B-54 : Basin #54

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

	Area (ac)	CN	Description
*	0.983	98	Pavement, HSG C
*	0.361	98	Roof, HSG C
*	0.210	98	Concrete, HSG C
	1.554	98	Weighted Average
	1.554		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.6					**Direct Entry,**

Subcatchment 54l: PDA-54 (impervious)



Hydrograph for Subcatchment 54I: PDA-54 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.11	0.13
0.05	0.01	0.00	0.00	2.65	0.26	0.11	0.13
0.10	0.01	0.00	0.00	2.70	0.26	0.12	0.13
0.15	0.02	0.00	0.00	2.75	0.27	0.12	0.13
0.20	0.02	0.00	0.00	2.80	0.28	0.13	0.13
0.25	0.02	0.00	0.00	2.85	0.28	0.13	0.13
0.30	0.03	0.00	0.00	2.90	0.29	0.13	0.14
0.35	0.03	0.00	0.00	2.95	0.29	0.14	0.14
0.40	0.04	0.00	0.00	3.00	0.30	0.14	0.14
0.45	0.04	0.00	0.00	3.05	0.30	0.15	0.14
0.50	0.05	0.00	0.00	3.10	0.31	0.15	0.14
0.55	0.05	0.00	0.01	3.15	0.31	0.16	0.14
0.60	0.06	0.00	0.01	3.20	0.32	0.16	0.14
0.65	0.06	0.00	0.02	3.25	0.33	0.17	0.15
0.70	0.06	0.00	0.02	3.30	0.33	0.17	0.15
0.75	0.07	0.00	0.03	3.35	0.34	0.18	0.15
0.80	0.07	0.00	0.03	3.40	0.34	0.18	0.15
0.85	0.08	0.01	0.04	3.45	0.35	0.19	0.15
0.90	0.08	0.01	0.04	3.50	0.35	0.19	0.15
0.95	0.09	0.01	0.05	3.55	0.36	0.19	0.15
1.00	0.09	0.01	0.05	3.60	0.37	0.20	0.15
1.05	0.10	0.01	0.05	3.65	0.37	0.20	0.16
1.10	0.10	0.01	0.06	3.70	0.38	0.21	0.16
1.15	0.11	0.02	0.06	3.75	0.38	0.21	0.16
1.20	0.11	0.02	0.06	3.80	0.39	0.22	0.16
1.25	0.12	0.02	0.07	3.85	0.40	0.22	0.16
1.30	0.12	0.02	0.07	3.90	0.40	0.23	0.16
1.35	0.13	0.02	0.07	3.95	0.41	0.24	0.16
1.40	0.13	0.03	0.08	4.00	0.41	0.24	0.16
1.45	0.14	0.03	0.08	4.05	0.42	0.25	0.16
1.50	0.14	0.03	0.08	4.10	0.43	0.25	0.16
1.55	0.15	0.04	0.09	4.15	0.43	0.26	0.17
1.60	0.15	0.04	0.09	4.20	0.44	0.26	0.17
1.65	0.16	0.04	0.09	4.25	0.44	0.27	0.17
1.70	0.16	0.04	0.09	4.30	0.45	0.27	0.17
1.75	0.17	0.05	0.09	4.35	0.46	0.28	0.17
1.80	0.17	0.05	0.10	4.40	0.46	0.28	0.17
1.85	0.18	0.05	0.10	4.45	0.47	0.29	0.17
1.90	0.18	0.06	0.10	4.50	0.47	0.29	0.17
1.95	0.19	0.06	0.10	4.55	0.48	0.30	0.17
2.00	0.19	0.06	0.11	4.60	0.49	0.31	0.17
2.05	0.20	0.07	0.11	4.65	0.49	0.31	0.18
2.10	0.20	0.07	0.11	4.70	0.50	0.32	0.18
2.15	0.21	0.07	0.11	4.75	0.51	0.32	0.18
2.20	0.21	0.08	0.11	4.80	0.51	0.33	0.18
2.25	0.22	0.08	0.12	4.85	0.52	0.33	0.18
2.30	0.22	0.09	0.12	4.90	0.52	0.34	0.18
2.35	0.23	0.09	0.12	4.95	0.53	0.35	0.18
2.40	0.23	0.09	0.12	5.00	0.54	0.35	0.18
2.45	0.24	0.10	0.12	5.05	0.54	0.36	0.18
2.50	0.24	0.10	0.12	5.10	0.55	0.36	0.18
2.55	0.25	0.10	0.13	5.15	0.56	0.37	0.19

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.38	0.19	7.80	0.97	0.76	0.30
5.25	0.57	0.38	0.19	7.85	0.98	0.77	0.30
5.30	0.58	0.39	0.19	7.90	0.99	0.78	0.30
5.35	0.58	0.39	0.19	7.95	1.00	0.79	0.31
5.40	0.59	0.40	0.19	8.00	1.01	0.80	0.31
5.45	0.60	0.41	0.19	8.05	1.02	0.81	0.31
5.50	0.60	0.41	0.19	8.10	1.03	0.82	0.31
5.55	0.61	0.42	0.19	8.15	1.04	0.83	0.32
5.60	0.62	0.42	0.19	8.20	1.05	0.84	0.32
5.65	0.62	0.43	0.19	8.25	1.06	0.85	0.32
5.70	0.63	0.44	0.19	8.30	1.07	0.86	0.32
5.75	0.64	0.44	0.20	8.35	1.08	0.87	0.33
5.80	0.64	0.45	0.20	8.40	1.10	0.88	0.33
5.85	0.65	0.45	0.20	8.45	1.11	0.89	0.33
5.90	0.66	0.46	0.20	8.50	1.12	0.91	0.34
5.95	0.66	0.47	0.20	8.55	1.13	0.92	0.34
6.00	0.67	0.47	0.20	8.60	1.14	0.93	0.34
6.05	0.68	0.48	0.20	8.65	1.15	0.94	0.35
6.10	0.68	0.49	0.21	8.70	1.16	0.95	0.35
6.15	0.69	0.49	0.21	8.75	1.17	0.96	0.35
6.20	0.70	0.50	0.21	8.80	1.19	0.97	0.35
6.25	0.70	0.51	0.21	8.85	1.20	0.98	0.36
6.30	0.71	0.51	0.22	8.90	1.21	0.99	0.36
6.35	0.72	0.52	0.22	8.95	1.22	1.01	0.36
6.40	0.73	0.53	0.22	9.00	1.23	1.02	0.36
6.45	0.73	0.54	0.23	9.05	1.25	1.03	0.38
6.50	0.74	0.54	0.23	9.10	1.26	1.04	0.38
6.55	0.75	0.55	0.23	9.15	1.27	1.05	0.40
6.60	0.76	0.56	0.23	9.20	1.28	1.07	0.40
6.65	0.77	0.57	0.24	9.25	1.30	1.08	0.42
6.70	0.77	0.57	0.24	9.30	1.31	1.09	0.42
6.75	0.78	0.58	0.24	9.35	1.33	1.11	0.44
6.80	0.79	0.59	0.24	9.40	1.34	1.12	0.44
6.85	0.80	0.60	0.25	9.45	1.35	1.14	0.45
6.90	0.81	0.60	0.25	9.50	1.37	1.15	0.46
6.95	0.81	0.61	0.25	9.55	1.39	1.17	0.48
7.00	0.82	0.62	0.25	9.60	1.40	1.18	0.48
7.05	0.83	0.63	0.26	9.65	1.42	1.20	0.49
7.10	0.84	0.64	0.26	9.70	1.43	1.21	0.50
7.15	0.85	0.65	0.26	9.75	1.45	1.23	0.51
7.20	0.86	0.65	0.27	9.80	1.47	1.25	0.52
7.25	0.87	0.66	0.27	9.85	1.49	1.27	0.54
7.30	0.88	0.67	0.27	9.90	1.50	1.28	0.54
7.35	0.89	0.68	0.27	9.95	1.52	1.30	0.55
7.40	0.89	0.69	0.28	10.00	1.54	1.32	0.56
7.45	0.90	0.70	0.28	10.05	1.56	1.34	0.57
7.50	0.91	0.71	0.28	10.10	1.58	1.36	0.58
7.55	0.92	0.72	0.28	10.15	1.60	1.37	0.59
7.60	0.93	0.73	0.29	10.20	1.62	1.39	0.60
7.65	0.94	0.73	0.29	10.25	1.64	1.41	0.61
7.70	0.95	0.74	0.29	10.30	1.66	1.43	0.62
7.75	0.96	0.75	0.30	10.35	1.68	1.45	0.63

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	1.47	0.64	13.00	6.41	6.18	1.19
10.45	1.72	1.50	0.65	13.05	6.45	6.21	1.09
10.50	1.74	1.52	0.66	13.10	6.48	6.24	1.05
10.55	1.76	1.54	0.71	13.15	6.51	6.27	0.99
10.60	1.79	1.56	0.74	13.20	6.54	6.30	0.97
10.65	1.81	1.59	0.79	13.25	6.57	6.33	0.92
10.70	1.84	1.62	0.81	13.30	6.60	6.36	0.90
10.75	1.87	1.64	0.86	13.35	6.63	6.39	0.84
10.80	1.90	1.67	0.89	13.40	6.65	6.41	0.82
10.85	1.93	1.70	0.94	13.45	6.68	6.44	0.77
10.90	1.96	1.73	0.96	13.50	6.70	6.46	0.74
10.95	1.99	1.77	1.02	13.55	6.72	6.48	0.69
11.00	2.03	1.80	1.04	13.60	6.74	6.50	0.67
11.05	2.06	1.84	1.14	13.65	6.76	6.53	0.65
11.10	2.10	1.87	1.18	13.70	6.78	6.55	0.65
11.15	2.14	1.92	1.28	13.75	6.80	6.57	0.63
11.20	2.19	1.96	1.32	13.80	6.82	6.59	0.63
11.25	2.23	2.01	1.42	13.85	6.84	6.61	0.61
11.30	2.28	2.05	1.47	13.90	6.86	6.62	0.61
11.35	2.33	2.10	1.56	13.95	6.88	6.64	0.59
11.40	2.38	2.16	1.61	14.00	6.90	6.66	0.59
11.45	2.44	2.21	1.68	14.05	6.92	6.68	0.57
11.50	2.49	2.26	1.74	14.10	6.94	6.70	0.57
11.55	2.58	2.35	2.37	14.15	6.95	6.72	0.56
11.60	2.66	2.43	2.65	14.20	6.97	6.73	0.55
11.65	2.75	2.52	2.76	14.25	6.99	6.75	0.54
11.70	2.84	2.61	2.82	14.30	7.01	6.77	0.53
11.75	2.97	2.74	3.52	14.35	7.02	6.78	0.51
11.80	3.09	2.86	3.86	14.40	7.04	6.80	0.51
11.85	3.26	3.03	4.87	14.45	7.05	6.82	0.50
11.90	3.43	3.20	5.41	14.50	7.07	6.83	0.49
11.95	3.73	3.49	8.01	14.55	7.09	6.85	0.48
12.00	4.02	3.79	9.30	14.60	7.10	6.86	0.47
12.05	4.52	4.28	13.49	14.65	7.11	6.88	0.46
12.10	5.01	4.77	**15.04**	14.70	7.13	6.89	0.45
12.15	5.18	4.94	8.47	14.75	7.14	6.90	0.44
12.20	5.35	5.11	5.50	14.80	7.16	6.92	0.43
12.25	5.47	5.24	4.32	14.85	7.17	6.93	0.42
12.30	5.60	5.36	3.86	14.90	7.18	6.94	0.41
12.35	5.69	5.45	3.14	14.95	7.19	6.96	0.40
12.40	5.78	5.54	2.83	15.00	7.21	6.97	0.39
12.45	5.86	5.62	2.71	15.05	7.22	6.98	0.38
12.50	5.95	5.71	2.65	15.10	7.23	6.99	0.37
12.55	6.00	5.76	2.02	15.15	7.24	7.00	0.37
12.60	6.06	5.82	1.74	15.20	7.25	7.02	0.36
12.65	6.11	5.87	1.65	15.25	7.27	7.03	0.36
12.70	6.16	5.92	1.61	15.30	7.28	7.04	0.36
12.75	6.21	5.97	1.52	15.35	7.29	7.05	0.36
12.80	6.25	6.02	1.47	15.40	7.30	7.06	0.36
12.85	6.30	6.06	1.38	15.45	7.31	7.07	0.35
12.90	6.34	6.10	1.33	15.50	7.32	7.08	0.35
12.95	6.38	6.14	1.23	15.55	7.33	7.09	0.35

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	7.10	0.34	18.20	7.80	7.56	0.21
15.65	7.36	7.12	0.34	18.25	7.80	7.57	0.21
15.70	7.37	7.13	0.34	18.30	7.81	7.57	0.21
15.75	7.38	7.14	0.33	18.35	7.82	7.58	0.21
15.80	7.39	7.15	0.33	18.40	7.82	7.59	0.21
15.85	7.40	7.16	0.33	18.45	7.83	7.59	0.21
15.90	7.41	7.17	0.33	18.50	7.84	7.60	0.21
15.95	7.42	7.18	0.32	18.55	7.84	7.61	0.21
16.00	7.43	7.19	0.32	18.60	7.85	7.61	0.21
16.05	7.44	7.20	0.32	18.65	7.86	7.62	0.21
16.10	7.45	7.21	0.32	18.70	7.86	7.62	0.20
16.15	7.46	7.22	0.31	18.75	7.87	7.63	0.20
16.20	7.47	7.23	0.31	18.80	7.88	7.64	0.20
16.25	7.48	7.24	0.31	18.85	7.88	7.64	0.20
16.30	7.49	7.25	0.31	18.90	7.89	7.65	0.20
16.35	7.50	7.26	0.30	18.95	7.90	7.66	0.20
16.40	7.51	7.27	0.30	19.00	7.90	7.66	0.20
16.45	7.52	7.28	0.30	19.05	7.91	7.67	0.20
16.50	7.53	7.29	0.30	19.10	7.92	7.68	0.20
16.55	7.54	7.30	0.29	19.15	7.92	7.68	0.20
16.60	7.55	7.31	0.29	19.20	7.93	7.69	0.20
16.65	7.55	7.32	0.29	19.25	7.93	7.70	0.20
16.70	7.56	7.32	0.29	19.30	7.94	7.70	0.20
16.75	7.57	7.33	0.28	19.35	7.95	7.71	0.20
16.80	7.58	7.34	0.28	19.40	7.95	7.71	0.20
16.85	7.59	7.35	0.28	19.45	7.96	7.72	0.19
16.90	7.60	7.36	0.28	19.50	7.97	7.73	0.19
16.95	7.61	7.37	0.27	19.55	7.97	7.73	0.19
17.00	7.62	7.38	0.27	19.60	7.98	7.74	0.19
17.05	7.63	7.39	0.27	19.65	7.98	7.74	0.19
17.10	7.63	7.39	0.27	19.70	7.99	7.75	0.19
17.15	7.64	7.40	0.26	19.75	8.00	7.76	0.19
17.20	7.65	7.41	0.26	19.80	8.00	7.76	0.19
17.25	7.66	7.42	0.26	19.85	8.01	7.77	0.19
17.30	7.67	7.43	0.25	19.90	8.01	7.78	0.19
17.35	7.67	7.43	0.25	19.95	8.02	7.78	0.19
17.40	7.68	7.44	0.25	20.00	8.03	7.79	0.19
17.45	7.69	7.45	0.25	20.05	8.03	7.79	0.19
17.50	7.70	7.46	0.24	20.10	8.04	7.80	0.19
17.55	7.71	7.47	0.24	20.15	8.04	7.80	0.19
17.60	7.71	7.47	0.24	20.20	8.05	7.81	0.19
17.65	7.72	7.48	0.24	20.25	8.06	7.82	0.18
17.70	7.73	7.49	0.23	20.30	8.06	7.82	0.18
17.75	7.74	7.50	0.23	20.35	8.07	7.83	0.18
17.80	7.74	7.50	0.23	20.40	8.07	7.83	0.18
17.85	7.75	7.51	0.23	20.45	8.08	7.84	0.18
17.90	7.76	7.52	0.22	20.50	8.09	7.85	0.18
17.95	7.76	7.52	0.22	20.55	8.09	7.85	0.18
18.00	7.77	7.53	0.22	20.60	8.10	7.86	0.18
18.05	7.78	7.54	0.21	20.65	8.10	7.86	0.18
18.10	7.78	7.55	0.21	20.70	8.11	7.87	0.18
18.15	7.79	7.55	0.21	20.75	8.11	7.87	0.18

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	7.88	0.18	23.40	8.38	8.14	0.14
20.85	8.13	7.89	0.18	23.45	8.39	8.15	0.14
20.90	8.13	7.89	0.18	23.50	8.39	8.15	0.14
20.95	8.14	7.90	0.17	23.55	8.40	8.16	0.14
21.00	8.14	7.90	0.17	23.60	8.40	8.16	0.14
21.05	8.15	7.91	0.17	23.65	8.41	8.17	0.14
21.10	8.15	7.91	0.17	23.70	8.41	8.17	0.14
21.15	8.16	7.92	0.17	23.75	8.42	8.18	0.14
21.20	8.16	7.92	0.17	23.80	8.42	8.18	0.14
21.25	8.17	7.93	0.17	23.85	8.42	8.18	0.14
21.30	8.18	7.94	0.17	23.90	8.43	8.19	0.14
21.35	8.18	7.94	0.17	23.95	8.43	8.19	0.16
21.40	8.19	7.95	0.17	24.00	**8.44**	**8.20**	0.16
21.45	8.19	7.95	0.17	24.05	8.44	8.20	0.05
21.50	8.20	7.96	0.17	24.10	8.44	8.20	0.00
21.55	8.20	7.96	0.17	24.15	8.44	8.20	0.00
21.60	8.21	7.97	0.17	24.20	8.44	8.20	0.00
21.65	8.21	7.97	0.17	24.25	8.44	8.20	0.00
21.70	8.22	7.98	0.17	24.30	8.44	8.20	0.00
21.75	8.22	7.98	0.17	24.35	8.44	8.20	0.00
21.80	8.23	7.99	0.17	24.40	8.44	8.20	0.00
21.85	8.23	7.99	0.16	24.45	8.44	8.20	0.00
21.90	8.24	8.00	0.16	24.50	8.44	8.20	0.00
21.95	8.24	8.00	0.16	24.55	8.44	8.20	0.00
22.00	8.25	8.01	0.16	24.60	8.44	8.20	0.00
22.05	8.25	8.01	0.16	24.65	8.44	8.20	0.00
22.10	8.26	8.02	0.16	24.70	8.44	8.20	0.00
22.15	8.26	8.02	0.16	24.75	8.44	8.20	0.00
22.20	8.27	8.03	0.16	24.80	8.44	8.20	0.00
22.25	8.27	8.03	0.16	24.85	8.44	8.20	0.00
22.30	8.28	8.04	0.16	24.90	8.44	8.20	0.00
22.35	8.28	8.04	0.16	24.95	8.44	8.20	0.00
22.40	8.29	8.05	0.16	25.00	8.44	8.20	0.00
22.45	8.29	8.05	0.16	25.05	8.44	8.20	0.00
22.50	8.30	8.06	0.15	25.10	8.44	8.20	0.00
22.55	8.30	8.06	0.15	25.15	8.44	8.20	0.00
22.60	8.31	8.07	0.15	25.20	8.44	8.20	0.00
22.65	8.31	8.07	0.15	25.25	8.44	8.20	0.00
22.70	8.32	8.08	0.15	25.30	8.44	8.20	0.00
22.75	8.32	8.08	0.15	25.35	8.44	8.20	0.00
22.80	8.33	8.09	0.15	25.40	8.44	8.20	0.00
22.85	8.33	8.09	0.15	25.45	8.44	8.20	0.00
22.90	8.34	8.10	0.15	25.50	8.44	8.20	0.00
22.95	8.34	8.10	0.15	25.55	8.44	8.20	0.00
23.00	8.35	8.11	0.15	25.60	8.44	8.20	0.00
23.05	8.35	8.11	0.15	25.65	8.44	8.20	0.00
23.10	8.36	8.12	0.15	25.70	8.44	8.20	0.00
23.15	8.36	8.12	0.15	25.75	8.44	8.20	0.00
23.20	8.37	8.13	0.15	25.80	8.44	8.20	0.00
23.25	8.37	8.13	0.14	25.85	8.44	8.20	0.00
23.30	8.38	8.14	0.14	25.90	8.44	8.20	0.00
23.35	8.38	8.14	0.14	25.95	8.44	8.20	0.00

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	8.20	0.00	28.60	8.44	8.20	0.00
26.05	8.44	8.20	0.00	28.65	8.44	8.20	0.00
26.10	8.44	8.20	0.00	28.70	8.44	8.20	0.00
26.15	8.44	8.20	0.00	28.75	8.44	8.20	0.00
26.20	8.44	8.20	0.00	28.80	8.44	8.20	0.00
26.25	8.44	8.20	0.00	28.85	8.44	8.20	0.00
26.30	8.44	8.20	0.00	28.90	8.44	8.20	0.00
26.35	8.44	8.20	0.00	28.95	8.44	8.20	0.00
26.40	8.44	8.20	0.00	29.00	8.44	8.20	0.00
26.45	8.44	8.20	0.00	29.05	8.44	8.20	0.00
26.50	8.44	8.20	0.00	29.10	8.44	8.20	0.00
26.55	8.44	8.20	0.00	29.15	8.44	8.20	0.00
26.60	8.44	8.20	0.00	29.20	8.44	8.20	0.00
26.65	8.44	8.20	0.00	29.25	8.44	8.20	0.00
26.70	8.44	8.20	0.00	29.30	8.44	8.20	0.00
26.75	8.44	8.20	0.00	29.35	8.44	8.20	0.00
26.80	8.44	8.20	0.00	29.40	8.44	8.20	0.00
26.85	8.44	8.20	0.00	29.45	8.44	8.20	0.00
26.90	8.44	8.20	0.00	29.50	8.44	8.20	0.00
26.95	8.44	8.20	0.00	29.55	8.44	8.20	0.00
27.00	8.44	8.20	0.00	29.60	8.44	8.20	0.00
27.05	8.44	8.20	0.00	29.65	8.44	8.20	0.00
27.10	8.44	8.20	0.00	29.70	8.44	8.20	0.00
27.15	8.44	8.20	0.00	29.75	8.44	8.20	0.00
27.20	8.44	8.20	0.00	29.80	8.44	8.20	0.00
27.25	8.44	8.20	0.00	29.85	8.44	8.20	0.00
27.30	8.44	8.20	0.00	29.90	8.44	8.20	0.00
27.35	8.44	8.20	0.00	29.95	8.44	8.20	0.00
27.40	8.44	8.20	0.00	30.00	8.44	8.20	0.00
27.45	8.44	8.20	0.00	30.05	8.44	8.20	0.00
27.50	8.44	8.20	0.00	30.10	8.44	8.20	0.00
27.55	8.44	8.20	0.00	30.15	8.44	8.20	0.00
27.60	8.44	8.20	0.00	30.20	8.44	8.20	0.00
27.65	8.44	8.20	0.00	30.25	8.44	8.20	0.00
27.70	8.44	8.20	0.00	30.30	8.44	8.20	0.00
27.75	8.44	8.20	0.00	30.35	8.44	8.20	0.00
27.80	8.44	8.20	0.00	30.40	8.44	8.20	0.00
27.85	8.44	8.20	0.00	30.45	8.44	8.20	0.00
27.90	8.44	8.20	0.00	30.50	8.44	8.20	0.00
27.95	8.44	8.20	0.00	30.55	8.44	8.20	0.00
28.00	8.44	8.20	0.00	30.60	8.44	8.20	0.00
28.05	8.44	8.20	0.00	30.65	8.44	8.20	0.00
28.10	8.44	8.20	0.00	30.70	8.44	8.20	0.00
28.15	8.44	8.20	0.00	30.75	8.44	8.20	0.00
28.20	8.44	8.20	0.00	30.80	8.44	8.20	0.00
28.25	8.44	8.20	0.00	30.85	8.44	8.20	0.00
28.30	8.44	8.20	0.00	30.90	8.44	8.20	0.00
28.35	8.44	8.20	0.00	30.95	8.44	8.20	0.00
28.40	8.44	8.20	0.00	31.00	8.44	8.20	0.00
28.45	8.44	8.20	0.00	31.05	8.44	8.20	0.00
28.50	8.44	8.20	0.00	31.10	8.44	8.20	0.00
28.55	8.44	8.20	0.00	31.15	8.44	8.20	0.00

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	8.20	0.00	33.80	8.44	8.20	0.00
31.25	8.44	8.20	0.00	33.85	8.44	8.20	0.00
31.30	8.44	8.20	0.00	33.90	8.44	8.20	0.00
31.35	8.44	8.20	0.00	33.95	8.44	8.20	0.00
31.40	8.44	8.20	0.00	34.00	8.44	8.20	0.00
31.45	8.44	8.20	0.00	34.05	8.44	8.20	0.00
31.50	8.44	8.20	0.00	34.10	8.44	8.20	0.00
31.55	8.44	8.20	0.00	34.15	8.44	8.20	0.00
31.60	8.44	8.20	0.00	34.20	8.44	8.20	0.00
31.65	8.44	8.20	0.00	34.25	8.44	8.20	0.00
31.70	8.44	8.20	0.00	34.30	8.44	8.20	0.00
31.75	8.44	8.20	0.00	34.35	8.44	8.20	0.00
31.80	8.44	8.20	0.00	34.40	8.44	8.20	0.00
31.85	8.44	8.20	0.00	34.45	8.44	8.20	0.00
31.90	8.44	8.20	0.00	34.50	8.44	8.20	0.00
31.95	8.44	8.20	0.00	34.55	8.44	8.20	0.00
32.00	8.44	8.20	0.00	34.60	8.44	8.20	0.00
32.05	8.44	8.20	0.00	34.65	8.44	8.20	0.00
32.10	8.44	8.20	0.00	34.70	8.44	8.20	0.00
32.15	8.44	8.20	0.00	34.75	8.44	8.20	0.00
32.20	8.44	8.20	0.00	34.80	8.44	8.20	0.00
32.25	8.44	8.20	0.00	34.85	8.44	8.20	0.00
32.30	8.44	8.20	0.00	34.90	8.44	8.20	0.00
32.35	8.44	8.20	0.00	34.95	8.44	8.20	0.00
32.40	8.44	8.20	0.00	35.00	8.44	8.20	0.00
32.45	8.44	8.20	0.00	35.05	8.44	8.20	0.00
32.50	8.44	8.20	0.00	35.10	8.44	8.20	0.00
32.55	8.44	8.20	0.00	35.15	8.44	8.20	0.00
32.60	8.44	8.20	0.00	35.20	8.44	8.20	0.00
32.65	8.44	8.20	0.00	35.25	8.44	8.20	0.00
32.70	8.44	8.20	0.00	35.30	8.44	8.20	0.00
32.75	8.44	8.20	0.00	35.35	8.44	8.20	0.00
32.80	8.44	8.20	0.00	35.40	8.44	8.20	0.00
32.85	8.44	8.20	0.00	35.45	8.44	8.20	0.00
32.90	8.44	8.20	0.00	35.50	8.44	8.20	0.00
32.95	8.44	8.20	0.00	35.55	8.44	8.20	0.00
33.00	8.44	8.20	0.00	35.60	8.44	8.20	0.00
33.05	8.44	8.20	0.00	35.65	8.44	8.20	0.00
33.10	8.44	8.20	0.00	35.70	8.44	8.20	0.00
33.15	8.44	8.20	0.00	35.75	8.44	8.20	0.00
33.20	8.44	8.20	0.00	35.80	8.44	8.20	0.00
33.25	8.44	8.20	0.00	35.85	8.44	8.20	0.00
33.30	8.44	8.20	0.00	35.90	8.44	8.20	0.00
33.35	8.44	8.20	0.00	35.95	8.44	8.20	0.00
33.40	8.44	8.20	0.00	36.00	8.44	8.20	0.00
33.45	8.44	8.20	0.00	36.05	8.44	8.20	0.00
33.50	8.44	8.20	0.00	36.10	8.44	8.20	0.00
33.55	8.44	8.20	0.00	36.15	8.44	8.20	0.00
33.60	8.44	8.20	0.00	36.20	8.44	8.20	0.00
33.65	8.44	8.20	0.00	36.25	8.44	8.20	0.00
33.70	8.44	8.20	0.00	36.30	8.44	8.20	0.00
33.75	8.44	8.20	0.00	36.35	8.44	8.20	0.00

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	8.20	0.00
36.45	8.44	8.20	0.00
36.50	8.44	8.20	0.00
36.55	8.44	8.20	0.00
36.60	8.44	8.20	0.00
36.65	8.44	8.20	0.00
36.70	8.44	8.20	0.00
36.75	8.44	8.20	0.00
36.80	8.44	8.20	0.00
36.85	8.44	8.20	0.00
36.90	8.44	8.20	0.00
36.95	8.44	8.20	0.00
37.00	8.44	8.20	0.00
37.05	8.44	8.20	0.00
37.10	8.44	8.20	0.00
37.15	8.44	8.20	0.00
37.20	8.44	8.20	0.00
37.25	8.44	8.20	0.00
37.30	8.44	8.20	0.00
37.35	8.44	8.20	0.00
37.40	8.44	8.20	0.00
37.45	8.44	8.20	0.00
37.50	8.44	8.20	0.00
37.55	8.44	8.20	0.00
37.60	8.44	8.20	0.00
37.65	8.44	8.20	0.00
37.70	8.44	8.20	0.00
37.75	8.44	8.20	0.00
37.80	8.44	8.20	0.00
37.85	8.44	8.20	0.00
37.90	8.44	8.20	0.00
37.95	8.44	8.20	0.00
38.00	8.44	8.20	0.00
38.05	8.44	8.20	0.00
38.10	8.44	8.20	0.00
38.15	8.44	8.20	0.00
38.20	8.44	8.20	0.00
38.25	8.44	8.20	0.00
38.30	8.44	8.20	0.00
38.35	8.44	8.20	0.00
38.40	8.44	8.20	0.00
38.45	8.44	8.20	0.00
38.50	8.44	8.20	0.00
38.55	8.44	8.20	0.00
38.60	8.44	8.20	0.00
38.65	8.44	8.20	0.00
38.70	8.44	8.20	0.00
38.75	8.44	8.20	0.00
38.80	8.44	8.20	0.00
38.85	8.44	8.20	0.00
38.90	8.44	8.20	0.00
38.95	8.44	8.20	0.00
39.00	8.44	8.20	0.00
39.05	8.44	8.20	0.00
39.10	8.44	8.20	0.00
39.15	8.44	8.20	0.00
39.20	8.44	8.20	0.00
39.25	8.44	8.20	0.00
39.30	8.44	8.20	0.00
39.35	8.44	8.20	0.00
39.40	8.44	8.20	0.00
39.45	8.44	8.20	0.00
39.50	8.44	8.20	0.00
39.55	8.44	8.20	0.00
39.60	8.44	8.20	0.00
39.65	8.44	8.20	0.00
39.70	8.44	8.20	0.00
39.75	8.44	8.20	0.00
39.80	8.44	8.20	0.00
39.85	8.44	8.20	0.00
39.90	8.44	8.20	0.00
39.95	8.44	8.20	0.00
40.00	8.44	8.20	0.00

Summary for Subcatchment 54P: PDA-54 (pervious)

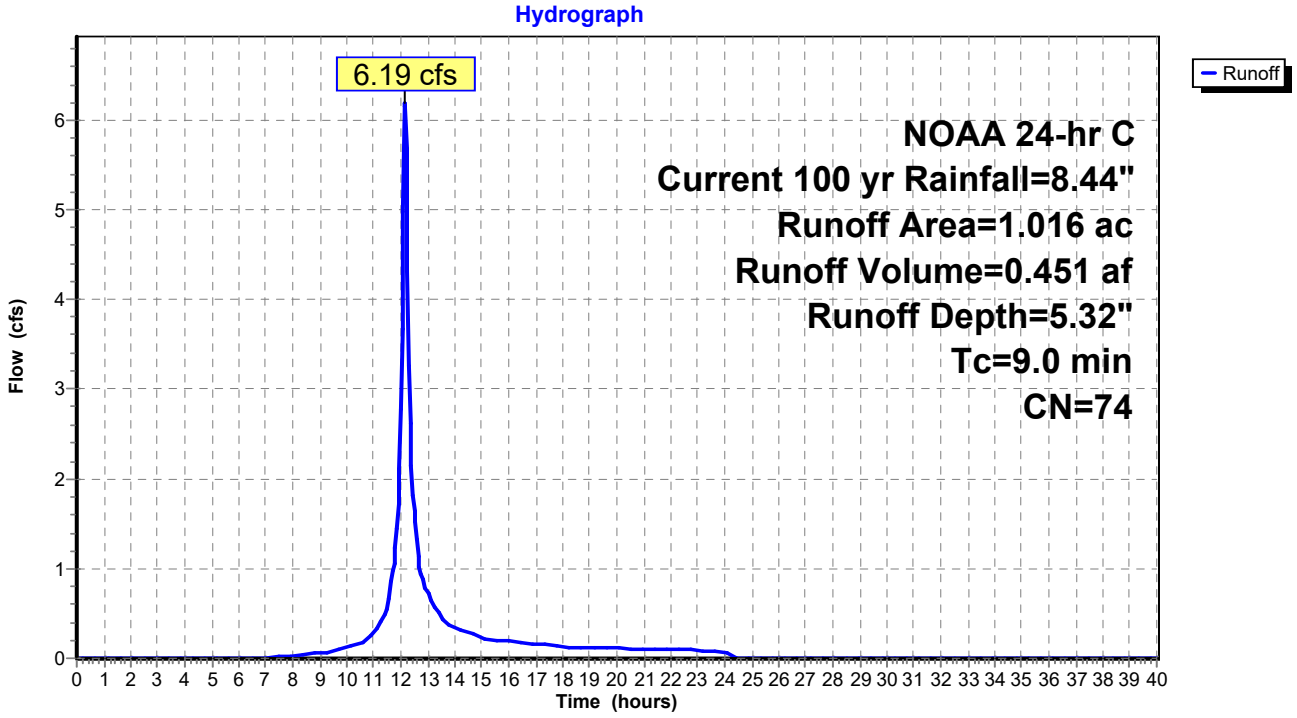
Runoff = 6.19 cfs @ 12.16 hrs, Volume= 0.451 af, Depth= 5.32"
Routed to Pond B-54 : Basin #54

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
1.016	74	>75% Grass cover, Good, HSG C
1.016		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.0					**Direct Entry,**

Subcatchment 54P: PDA-54 (pervious)



Hydrograph for Subcatchment 54P: PDA-54 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.02	0.02
5.25	0.57	0.00	0.00	7.85	0.98	0.02	0.03
5.30	0.58	0.00	0.00	7.90	0.99	0.02	0.03
5.35	0.58	0.00	0.00	7.95	1.00	0.02	0.03
5.40	0.59	0.00	0.00	8.00	1.01	0.02	0.03
5.45	0.60	0.00	0.00	8.05	1.02	0.03	0.03
5.50	0.60	0.00	0.00	8.10	1.03	0.03	0.03
5.55	0.61	0.00	0.00	8.15	1.04	0.03	0.03
5.60	0.62	0.00	0.00	8.20	1.05	0.03	0.03
5.65	0.62	0.00	0.00	8.25	1.06	0.03	0.04
5.70	0.63	0.00	0.00	8.30	1.07	0.04	0.04
5.75	0.64	0.00	0.00	8.35	1.08	0.04	0.04
5.80	0.64	0.00	0.00	8.40	1.10	0.04	0.04
5.85	0.65	0.00	0.00	8.45	1.11	0.04	0.04
5.90	0.66	0.00	0.00	8.50	1.12	0.04	0.04
5.95	0.66	0.00	0.00	8.55	1.13	0.05	0.04
6.00	0.67	0.00	0.00	8.60	1.14	0.05	0.04
6.05	0.68	0.00	0.00	8.65	1.15	0.05	0.05
6.10	0.68	0.00	0.00	8.70	1.16	0.05	0.05
6.15	0.69	0.00	0.00	8.75	1.17	0.06	0.05
6.20	0.70	0.00	0.00	8.80	1.19	0.06	0.05
6.25	0.70	0.00	0.00	8.85	1.20	0.06	0.05
6.30	0.71	0.00	0.00	8.90	1.21	0.06	0.05
6.35	0.72	0.00	0.00	8.95	1.22	0.07	0.05
6.40	0.73	0.00	0.00	9.00	1.23	0.07	0.06
6.45	0.73	0.00	0.00	9.05	1.25	0.07	0.06
6.50	0.74	0.00	0.00	9.10	1.26	0.08	0.06
6.55	0.75	0.00	0.00	9.15	1.27	0.08	0.06
6.60	0.76	0.00	0.00	9.20	1.28	0.08	0.06
6.65	0.77	0.00	0.00	9.25	1.30	0.09	0.07
6.70	0.77	0.00	0.00	9.30	1.31	0.09	0.07
6.75	0.78	0.00	0.01	9.35	1.33	0.09	0.07
6.80	0.79	0.00	0.01	9.40	1.34	0.10	0.08
6.85	0.80	0.00	0.01	9.45	1.35	0.10	0.08
6.90	0.81	0.00	0.01	9.50	1.37	0.11	0.08
6.95	0.81	0.00	0.01	9.55	1.39	0.11	0.09
7.00	0.82	0.00	0.01	9.60	1.40	0.12	0.09
7.05	0.83	0.00	0.01	9.65	1.42	0.12	0.09
7.10	0.84	0.01	0.01	9.70	1.43	0.13	0.10
7.15	0.85	0.01	0.01	9.75	1.45	0.13	0.10
7.20	0.86	0.01	0.01	9.80	1.47	0.14	0.10
7.25	0.87	0.01	0.01	9.85	1.49	0.14	0.11
7.30	0.88	0.01	0.01	9.90	1.50	0.15	0.11
7.35	0.89	0.01	0.02	9.95	1.52	0.15	0.12
7.40	0.89	0.01	0.02	10.00	1.54	0.16	0.12
7.45	0.90	0.01	0.02	10.05	1.56	0.17	0.12
7.50	0.91	0.01	0.02	10.10	1.58	0.17	0.13
7.55	0.92	0.01	0.02	10.15	1.60	0.18	0.13
7.60	0.93	0.01	0.02	10.20	1.62	0.19	0.14
7.65	0.94	0.02	0.02	10.25	1.64	0.20	0.14
7.70	0.95	0.02	0.02	10.30	1.66	0.20	0.15
7.75	0.96	0.02	0.02	10.35	1.68	0.21	0.15

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.22	0.16	13.00	6.41	3.54	0.73
10.45	1.72	0.23	0.16	13.05	6.45	3.57	0.69
10.50	1.74	0.24	0.17	13.10	6.48	3.59	0.66
10.55	1.76	0.25	0.17	13.15	6.51	3.62	0.62
10.60	1.79	0.26	0.18	13.20	6.54	3.65	0.59
10.65	1.81	0.27	0.19	13.25	6.57	3.67	0.56
10.70	1.84	0.28	0.20	13.30	6.60	3.70	0.54
10.75	1.87	0.29	0.22	13.35	6.63	3.72	0.52
10.80	1.90	0.30	0.23	13.40	6.65	3.74	0.50
10.85	1.93	0.32	0.24	13.45	6.68	3.76	0.48
10.90	1.96	0.33	0.26	13.50	6.70	3.78	0.46
10.95	1.99	0.35	0.27	13.55	6.72	3.80	0.44
11.00	2.03	0.36	0.29	13.60	6.74	3.82	0.42
11.05	2.06	0.38	0.31	13.65	6.76	3.84	0.40
11.10	2.10	0.40	0.33	13.70	6.78	3.85	0.38
11.15	2.14	0.42	0.35	13.75	6.80	3.87	0.37
11.20	2.19	0.44	0.38	13.80	6.82	3.89	0.37
11.25	2.23	0.46	0.41	13.85	6.84	3.91	0.36
11.30	2.28	0.49	0.44	13.90	6.86	3.92	0.36
11.35	2.33	0.52	0.47	13.95	6.88	3.94	0.35
11.40	2.38	0.54	0.50	14.00	6.90	3.96	0.34
11.45	2.44	0.57	0.54	14.05	6.92	3.97	0.34
11.50	2.49	0.60	0.57	14.10	6.94	3.99	0.33
11.55	2.58	0.65	0.61	14.15	6.95	4.00	0.33
11.60	2.66	0.70	0.73	14.20	6.97	4.02	0.32
11.65	2.75	0.76	0.87	14.25	6.99	4.03	0.32
11.70	2.84	0.81	0.97	14.30	7.01	4.05	0.31
11.75	2.97	0.89	1.06	14.35	7.02	4.06	0.31
11.80	3.09	0.97	1.22	14.40	7.04	4.08	0.30
11.85	3.26	1.08	1.44	14.45	7.05	4.09	0.29
11.90	3.43	1.19	1.73	14.50	7.07	4.10	0.29
11.95	3.73	1.40	2.11	14.55	7.09	4.12	0.28
12.00	4.02	1.61	2.78	14.60	7.10	4.13	0.28
12.05	4.52	1.98	3.68	14.65	7.11	4.14	0.27
12.10	5.01	2.37	4.99	14.70	7.13	4.15	0.27
12.15	5.18	2.51	**6.16**	14.75	7.14	4.17	0.26
12.20	5.35	2.65	5.69	14.80	7.16	4.18	0.26
12.25	5.47	2.75	4.31	14.85	7.17	4.19	0.25
12.30	5.60	2.85	3.26	14.90	7.18	4.20	0.25
12.35	5.69	2.92	2.61	14.95	7.19	4.21	0.24
12.40	5.78	3.00	2.15	15.00	7.21	4.22	0.23
12.45	5.86	3.07	1.83	15.05	7.22	4.23	0.23
12.50	5.95	3.14	1.64	15.10	7.23	4.24	0.22
12.55	6.00	3.19	1.52	15.15	7.24	4.25	0.22
12.60	6.06	3.23	1.34	15.20	7.25	4.26	0.21
12.65	6.11	3.28	1.14	15.25	7.27	4.27	0.21
12.70	6.16	3.32	1.02	15.30	7.28	4.28	0.21
12.75	6.21	3.36	0.95	15.35	7.29	4.29	0.21
12.80	6.25	3.40	0.89	15.40	7.30	4.30	0.21
12.85	6.30	3.44	0.85	15.45	7.31	4.31	0.21
12.90	6.34	3.47	0.81	15.50	7.32	4.32	0.20
12.95	6.38	3.50	0.77	15.55	7.33	4.33	0.20

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	4.34	0.20	18.20	7.80	4.75	0.12
15.65	7.36	4.35	0.20	18.25	7.80	4.75	0.12
15.70	7.37	4.36	0.20	18.30	7.81	4.76	0.12
15.75	7.38	4.37	0.20	18.35	7.82	4.76	0.12
15.80	7.39	4.38	0.19	18.40	7.82	4.77	0.12
15.85	7.40	4.39	0.19	18.45	7.83	4.78	0.12
15.90	7.41	4.40	0.19	18.50	7.84	4.78	0.12
15.95	7.42	4.41	0.19	18.55	7.84	4.79	0.12
16.00	7.43	4.42	0.19	18.60	7.85	4.79	0.12
16.05	7.44	4.43	0.19	18.65	7.86	4.80	0.12
16.10	7.45	4.44	0.19	18.70	7.86	4.80	0.12
16.15	7.46	4.44	0.18	18.75	7.87	4.81	0.12
16.20	7.47	4.45	0.18	18.80	7.88	4.82	0.12
16.25	7.48	4.46	0.18	18.85	7.88	4.82	0.12
16.30	7.49	4.47	0.18	18.90	7.89	4.83	0.12
16.35	7.50	4.48	0.18	18.95	7.90	4.83	0.12
16.40	7.51	4.49	0.18	19.00	7.90	4.84	0.12
16.45	7.52	4.50	0.18	19.05	7.91	4.84	0.12
16.50	7.53	4.50	0.17	19.10	7.92	4.85	0.12
16.55	7.54	4.51	0.17	19.15	7.92	4.86	0.12
16.60	7.55	4.52	0.17	19.20	7.93	4.86	0.12
16.65	7.55	4.53	0.17	19.25	7.93	4.87	0.12
16.70	7.56	4.54	0.17	19.30	7.94	4.87	0.12
16.75	7.57	4.55	0.17	19.35	7.95	4.88	0.12
16.80	7.58	4.55	0.17	19.40	7.95	4.88	0.11
16.85	7.59	4.56	0.16	19.45	7.96	4.89	0.11
16.90	7.60	4.57	0.16	19.50	7.97	4.90	0.11
16.95	7.61	4.58	0.16	19.55	7.97	4.90	0.11
17.00	7.62	4.58	0.16	19.60	7.98	4.91	0.11
17.05	7.63	4.59	0.16	19.65	7.98	4.91	0.11
17.10	7.63	4.60	0.16	19.70	7.99	4.92	0.11
17.15	7.64	4.61	0.16	19.75	8.00	4.92	0.11
17.20	7.65	4.61	0.15	19.80	8.00	4.93	0.11
17.25	7.66	4.62	0.15	19.85	8.01	4.93	0.11
17.30	7.67	4.63	0.15	19.90	8.01	4.94	0.11
17.35	7.67	4.64	0.15	19.95	8.02	4.94	0.11
17.40	7.68	4.64	0.15	20.00	8.03	4.95	0.11
17.45	7.69	4.65	0.15	20.05	8.03	4.96	0.11
17.50	7.70	4.66	0.14	20.10	8.04	4.96	0.11
17.55	7.71	4.66	0.14	20.15	8.04	4.97	0.11
17.60	7.71	4.67	0.14	20.20	8.05	4.97	0.11
17.65	7.72	4.68	0.14	20.25	8.06	4.98	0.11
17.70	7.73	4.68	0.14	20.30	8.06	4.98	0.11
17.75	7.74	4.69	0.14	20.35	8.07	4.99	0.11
17.80	7.74	4.70	0.14	20.40	8.07	4.99	0.11
17.85	7.75	4.70	0.13	20.45	8.08	5.00	0.11
17.90	7.76	4.71	0.13	20.50	8.09	5.00	0.11
17.95	7.76	4.72	0.13	20.55	8.09	5.01	0.11
18.00	7.77	4.72	0.13	20.60	8.10	5.01	0.11
18.05	7.78	4.73	0.13	20.65	8.10	5.02	0.11
18.10	7.78	4.73	0.13	20.70	8.11	5.02	0.11
18.15	7.79	4.74	0.13	20.75	8.11	5.03	0.11

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	5.03	0.10	23.40	8.38	5.27	0.09
20.85	8.13	5.04	0.10	23.45	8.39	5.28	0.08
20.90	8.13	5.04	0.10	23.50	8.39	5.28	0.08
20.95	8.14	5.05	0.10	23.55	8.40	5.28	0.08
21.00	8.14	5.05	0.10	23.60	8.40	5.29	0.08
21.05	8.15	5.06	0.10	23.65	8.41	5.29	0.08
21.10	8.15	5.06	0.10	23.70	8.41	5.30	0.08
21.15	8.16	5.07	0.10	23.75	8.42	5.30	0.08
21.20	8.16	5.07	0.10	23.80	8.42	5.30	0.08
21.25	8.17	5.08	0.10	23.85	8.42	5.31	0.08
21.30	8.18	5.08	0.10	23.90	8.43	5.31	0.08
21.35	8.18	5.09	0.10	23.95	8.43	5.32	0.08
21.40	8.19	5.09	0.10	24.00	**8.44**	**5.32**	0.09
21.45	8.19	5.10	0.10	24.05	8.44	5.32	0.09
21.50	8.20	5.10	0.10	24.10	8.44	5.32	0.07
21.55	8.20	5.11	0.10	24.15	8.44	5.32	0.03
21.60	8.21	5.11	0.10	24.20	8.44	5.32	0.02
21.65	8.21	5.12	0.10	24.25	8.44	5.32	0.01
21.70	8.22	5.12	0.10	24.30	8.44	5.32	0.00
21.75	8.22	5.13	0.10	24.35	8.44	5.32	0.00
21.80	8.23	5.13	0.10	24.40	8.44	5.32	0.00
21.85	8.23	5.14	0.10	24.45	8.44	5.32	0.00
21.90	8.24	5.14	0.10	24.50	8.44	5.32	0.00
21.95	8.24	5.14	0.10	24.55	8.44	5.32	0.00
22.00	8.25	5.15	0.10	24.60	8.44	5.32	0.00
22.05	8.25	5.15	0.10	24.65	8.44	5.32	0.00
22.10	8.26	5.16	0.09	24.70	8.44	5.32	0.00
22.15	8.26	5.16	0.09	24.75	8.44	5.32	0.00
22.20	8.27	5.17	0.09	24.80	8.44	5.32	0.00
22.25	8.27	5.17	0.09	24.85	8.44	5.32	0.00
22.30	8.28	5.18	0.09	24.90	8.44	5.32	0.00
22.35	8.28	5.18	0.09	24.95	8.44	5.32	0.00
22.40	8.29	5.19	0.09	25.00	8.44	5.32	0.00
22.45	8.29	5.19	0.09	25.05	8.44	5.32	0.00
22.50	8.30	5.19	0.09	25.10	8.44	5.32	0.00
22.55	8.30	5.20	0.09	25.15	8.44	5.32	0.00
22.60	8.31	5.20	0.09	25.20	8.44	5.32	0.00
22.65	8.31	5.21	0.09	25.25	8.44	5.32	0.00
22.70	8.32	5.21	0.09	25.30	8.44	5.32	0.00
22.75	8.32	5.22	0.09	25.35	8.44	5.32	0.00
22.80	8.33	5.22	0.09	25.40	8.44	5.32	0.00
22.85	8.33	5.22	0.09	25.45	8.44	5.32	0.00
22.90	8.34	5.23	0.09	25.50	8.44	5.32	0.00
22.95	8.34	5.23	0.09	25.55	8.44	5.32	0.00
23.00	8.35	5.24	0.09	25.60	8.44	5.32	0.00
23.05	8.35	5.24	0.09	25.65	8.44	5.32	0.00
23.10	8.36	5.25	0.09	25.70	8.44	5.32	0.00
23.15	8.36	5.25	0.09	25.75	8.44	5.32	0.00
23.20	8.37	5.25	0.09	25.80	8.44	5.32	0.00
23.25	8.37	5.26	0.09	25.85	8.44	5.32	0.00
23.30	8.38	5.26	0.09	25.90	8.44	5.32	0.00
23.35	8.38	5.27	0.09	25.95	8.44	5.32	0.00

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	5.32	0.00	28.60	8.44	5.32	0.00
26.05	8.44	5.32	0.00	28.65	8.44	5.32	0.00
26.10	8.44	5.32	0.00	28.70	8.44	5.32	0.00
26.15	8.44	5.32	0.00	28.75	8.44	5.32	0.00
26.20	8.44	5.32	0.00	28.80	8.44	5.32	0.00
26.25	8.44	5.32	0.00	28.85	8.44	5.32	0.00
26.30	8.44	5.32	0.00	28.90	8.44	5.32	0.00
26.35	8.44	5.32	0.00	28.95	8.44	5.32	0.00
26.40	8.44	5.32	0.00	29.00	8.44	5.32	0.00
26.45	8.44	5.32	0.00	29.05	8.44	5.32	0.00
26.50	8.44	5.32	0.00	29.10	8.44	5.32	0.00
26.55	8.44	5.32	0.00	29.15	8.44	5.32	0.00
26.60	8.44	5.32	0.00	29.20	8.44	5.32	0.00
26.65	8.44	5.32	0.00	29.25	8.44	5.32	0.00
26.70	8.44	5.32	0.00	29.30	8.44	5.32	0.00
26.75	8.44	5.32	0.00	29.35	8.44	5.32	0.00
26.80	8.44	5.32	0.00	29.40	8.44	5.32	0.00
26.85	8.44	5.32	0.00	29.45	8.44	5.32	0.00
26.90	8.44	5.32	0.00	29.50	8.44	5.32	0.00
26.95	8.44	5.32	0.00	29.55	8.44	5.32	0.00
27.00	8.44	5.32	0.00	29.60	8.44	5.32	0.00
27.05	8.44	5.32	0.00	29.65	8.44	5.32	0.00
27.10	8.44	5.32	0.00	29.70	8.44	5.32	0.00
27.15	8.44	5.32	0.00	29.75	8.44	5.32	0.00
27.20	8.44	5.32	0.00	29.80	8.44	5.32	0.00
27.25	8.44	5.32	0.00	29.85	8.44	5.32	0.00
27.30	8.44	5.32	0.00	29.90	8.44	5.32	0.00
27.35	8.44	5.32	0.00	29.95	8.44	5.32	0.00
27.40	8.44	5.32	0.00	30.00	8.44	5.32	0.00
27.45	8.44	5.32	0.00	30.05	8.44	5.32	0.00
27.50	8.44	5.32	0.00	30.10	8.44	5.32	0.00
27.55	8.44	5.32	0.00	30.15	8.44	5.32	0.00
27.60	8.44	5.32	0.00	30.20	8.44	5.32	0.00
27.65	8.44	5.32	0.00	30.25	8.44	5.32	0.00
27.70	8.44	5.32	0.00	30.30	8.44	5.32	0.00
27.75	8.44	5.32	0.00	30.35	8.44	5.32	0.00
27.80	8.44	5.32	0.00	30.40	8.44	5.32	0.00
27.85	8.44	5.32	0.00	30.45	8.44	5.32	0.00
27.90	8.44	5.32	0.00	30.50	8.44	5.32	0.00
27.95	8.44	5.32	0.00	30.55	8.44	5.32	0.00
28.00	8.44	5.32	0.00	30.60	8.44	5.32	0.00
28.05	8.44	5.32	0.00	30.65	8.44	5.32	0.00
28.10	8.44	5.32	0.00	30.70	8.44	5.32	0.00
28.15	8.44	5.32	0.00	30.75	8.44	5.32	0.00
28.20	8.44	5.32	0.00	30.80	8.44	5.32	0.00
28.25	8.44	5.32	0.00	30.85	8.44	5.32	0.00
28.30	8.44	5.32	0.00	30.90	8.44	5.32	0.00
28.35	8.44	5.32	0.00	30.95	8.44	5.32	0.00
28.40	8.44	5.32	0.00	31.00	8.44	5.32	0.00
28.45	8.44	5.32	0.00	31.05	8.44	5.32	0.00
28.50	8.44	5.32	0.00	31.10	8.44	5.32	0.00
28.55	8.44	5.32	0.00	31.15	8.44	5.32	0.00

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	5.32	0.00	33.80	8.44	5.32	0.00
31.25	8.44	5.32	0.00	33.85	8.44	5.32	0.00
31.30	8.44	5.32	0.00	33.90	8.44	5.32	0.00
31.35	8.44	5.32	0.00	33.95	8.44	5.32	0.00
31.40	8.44	5.32	0.00	34.00	8.44	5.32	0.00
31.45	8.44	5.32	0.00	34.05	8.44	5.32	0.00
31.50	8.44	5.32	0.00	34.10	8.44	5.32	0.00
31.55	8.44	5.32	0.00	34.15	8.44	5.32	0.00
31.60	8.44	5.32	0.00	34.20	8.44	5.32	0.00
31.65	8.44	5.32	0.00	34.25	8.44	5.32	0.00
31.70	8.44	5.32	0.00	34.30	8.44	5.32	0.00
31.75	8.44	5.32	0.00	34.35	8.44	5.32	0.00
31.80	8.44	5.32	0.00	34.40	8.44	5.32	0.00
31.85	8.44	5.32	0.00	34.45	8.44	5.32	0.00
31.90	8.44	5.32	0.00	34.50	8.44	5.32	0.00
31.95	8.44	5.32	0.00	34.55	8.44	5.32	0.00
32.00	8.44	5.32	0.00	34.60	8.44	5.32	0.00
32.05	8.44	5.32	0.00	34.65	8.44	5.32	0.00
32.10	8.44	5.32	0.00	34.70	8.44	5.32	0.00
32.15	8.44	5.32	0.00	34.75	8.44	5.32	0.00
32.20	8.44	5.32	0.00	34.80	8.44	5.32	0.00
32.25	8.44	5.32	0.00	34.85	8.44	5.32	0.00
32.30	8.44	5.32	0.00	34.90	8.44	5.32	0.00
32.35	8.44	5.32	0.00	34.95	8.44	5.32	0.00
32.40	8.44	5.32	0.00	35.00	8.44	5.32	0.00
32.45	8.44	5.32	0.00	35.05	8.44	5.32	0.00
32.50	8.44	5.32	0.00	35.10	8.44	5.32	0.00
32.55	8.44	5.32	0.00	35.15	8.44	5.32	0.00
32.60	8.44	5.32	0.00	35.20	8.44	5.32	0.00
32.65	8.44	5.32	0.00	35.25	8.44	5.32	0.00
32.70	8.44	5.32	0.00	35.30	8.44	5.32	0.00
32.75	8.44	5.32	0.00	35.35	8.44	5.32	0.00
32.80	8.44	5.32	0.00	35.40	8.44	5.32	0.00
32.85	8.44	5.32	0.00	35.45	8.44	5.32	0.00
32.90	8.44	5.32	0.00	35.50	8.44	5.32	0.00
32.95	8.44	5.32	0.00	35.55	8.44	5.32	0.00
33.00	8.44	5.32	0.00	35.60	8.44	5.32	0.00
33.05	8.44	5.32	0.00	35.65	8.44	5.32	0.00
33.10	8.44	5.32	0.00	35.70	8.44	5.32	0.00
33.15	8.44	5.32	0.00	35.75	8.44	5.32	0.00
33.20	8.44	5.32	0.00	35.80	8.44	5.32	0.00
33.25	8.44	5.32	0.00	35.85	8.44	5.32	0.00
33.30	8.44	5.32	0.00	35.90	8.44	5.32	0.00
33.35	8.44	5.32	0.00	35.95	8.44	5.32	0.00
33.40	8.44	5.32	0.00	36.00	8.44	5.32	0.00
33.45	8.44	5.32	0.00	36.05	8.44	5.32	0.00
33.50	8.44	5.32	0.00	36.10	8.44	5.32	0.00
33.55	8.44	5.32	0.00	36.15	8.44	5.32	0.00
33.60	8.44	5.32	0.00	36.20	8.44	5.32	0.00
33.65	8.44	5.32	0.00	36.25	8.44	5.32	0.00
33.70	8.44	5.32	0.00	36.30	8.44	5.32	0.00
33.75	8.44	5.32	0.00	36.35	8.44	5.32	0.00

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	5.32	0.00
36.45	8.44	5.32	0.00
36.50	8.44	5.32	0.00
36.55	8.44	5.32	0.00
36.60	8.44	5.32	0.00
36.65	8.44	5.32	0.00
36.70	8.44	5.32	0.00
36.75	8.44	5.32	0.00
36.80	8.44	5.32	0.00
36.85	8.44	5.32	0.00
36.90	8.44	5.32	0.00
36.95	8.44	5.32	0.00
37.00	8.44	5.32	0.00
37.05	8.44	5.32	0.00
37.10	8.44	5.32	0.00
37.15	8.44	5.32	0.00
37.20	8.44	5.32	0.00
37.25	8.44	5.32	0.00
37.30	8.44	5.32	0.00
37.35	8.44	5.32	0.00
37.40	8.44	5.32	0.00
37.45	8.44	5.32	0.00
37.50	8.44	5.32	0.00
37.55	8.44	5.32	0.00
37.60	8.44	5.32	0.00
37.65	8.44	5.32	0.00
37.70	8.44	5.32	0.00
37.75	8.44	5.32	0.00
37.80	8.44	5.32	0.00
37.85	8.44	5.32	0.00
37.90	8.44	5.32	0.00
37.95	8.44	5.32	0.00
38.00	8.44	5.32	0.00
38.05	8.44	5.32	0.00
38.10	8.44	5.32	0.00
38.15	8.44	5.32	0.00
38.20	8.44	5.32	0.00
38.25	8.44	5.32	0.00
38.30	8.44	5.32	0.00
38.35	8.44	5.32	0.00
38.40	8.44	5.32	0.00
38.45	8.44	5.32	0.00
38.50	8.44	5.32	0.00
38.55	8.44	5.32	0.00
38.60	8.44	5.32	0.00
38.65	8.44	5.32	0.00
38.70	8.44	5.32	0.00
38.75	8.44	5.32	0.00
38.80	8.44	5.32	0.00
38.85	8.44	5.32	0.00
38.90	8.44	5.32	0.00
38.95	8.44	5.32	0.00
39.00	8.44	5.32	0.00
39.05	8.44	5.32	0.00
39.10	8.44	5.32	0.00
39.15	8.44	5.32	0.00
39.20	8.44	5.32	0.00
39.25	8.44	5.32	0.00
39.30	8.44	5.32	0.00
39.35	8.44	5.32	0.00
39.40	8.44	5.32	0.00
39.45	8.44	5.32	0.00
39.50	8.44	5.32	0.00
39.55	8.44	5.32	0.00
39.60	8.44	5.32	0.00
39.65	8.44	5.32	0.00
39.70	8.44	5.32	0.00
39.75	8.44	5.32	0.00
39.80	8.44	5.32	0.00
39.85	8.44	5.32	0.00
39.90	8.44	5.32	0.00
39.95	8.44	5.32	0.00
40.00	8.44	5.32	0.00

Summary for Subcatchment 55l: PDA-55 (impervious)

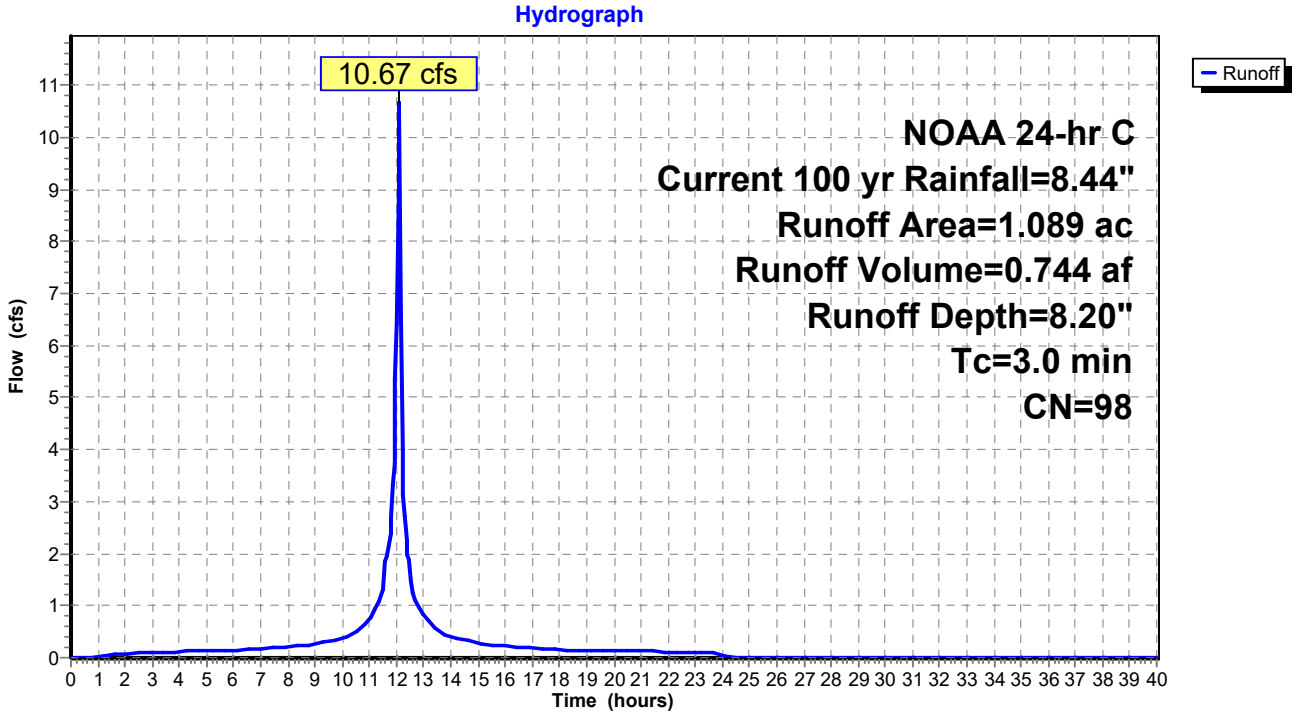
Runoff = 10.67 cfs @ 12.09 hrs, Volume= 0.744 af, Depth= 8.20"
Routed to Pond B-55 : Basin #55

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

	Area (ac)	CN	Description
*	0.467	98	Pavement, HSG C
*	0.574	98	Roof, HSG C
*	0.048	98	Concrete, HSG C
	1.089	98	Weighted Average
	1.089		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.0					**Direct Entry,**

Subcatchment 55l: PDA-55 (impervious)



Hydrograph for Subcatchment 55l: PDA-55 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.11	0.09
0.05	0.01	0.00	0.00	2.65	0.26	0.11	0.09
0.10	0.01	0.00	0.00	2.70	0.26	0.12	0.09
0.15	0.02	0.00	0.00	2.75	0.27	0.12	0.09
0.20	0.02	0.00	0.00	2.80	0.28	0.13	0.09
0.25	0.02	0.00	0.00	2.85	0.28	0.13	0.09
0.30	0.03	0.00	0.00	2.90	0.29	0.13	0.10
0.35	0.03	0.00	0.00	2.95	0.29	0.14	0.10
0.40	0.04	0.00	0.00	3.00	0.30	0.14	0.10
0.45	0.04	0.00	0.00	3.05	0.30	0.15	0.10
0.50	0.05	0.00	0.00	3.10	0.31	0.15	0.10
0.55	0.05	0.00	0.01	3.15	0.31	0.16	0.10
0.60	0.06	0.00	0.01	3.20	0.32	0.16	0.10
0.65	0.06	0.00	0.01	3.25	0.33	0.17	0.10
0.70	0.06	0.00	0.02	3.30	0.33	0.17	0.10
0.75	0.07	0.00	0.02	3.35	0.34	0.18	0.10
0.80	0.07	0.00	0.02	3.40	0.34	0.18	0.10
0.85	0.08	0.01	0.03	3.45	0.35	0.19	0.11
0.90	0.08	0.01	0.03	3.50	0.35	0.19	0.11
0.95	0.09	0.01	0.03	3.55	0.36	0.19	0.11
1.00	0.09	0.01	0.03	3.60	0.37	0.20	0.11
1.05	0.10	0.01	0.04	3.65	0.37	0.20	0.11
1.10	0.10	0.01	0.04	3.70	0.38	0.21	0.11
1.15	0.11	0.02	0.04	3.75	0.38	0.21	0.11
1.20	0.11	0.02	0.04	3.80	0.39	0.22	0.11
1.25	0.12	0.02	0.05	3.85	0.40	0.22	0.11
1.30	0.12	0.02	0.05	3.90	0.40	0.23	0.11
1.35	0.13	0.02	0.05	3.95	0.41	0.24	0.11
1.40	0.13	0.03	0.05	4.00	0.41	0.24	0.11
1.45	0.14	0.03	0.06	4.05	0.42	0.25	0.11
1.50	0.14	0.03	0.06	4.10	0.43	0.25	0.12
1.55	0.15	0.04	0.06	4.15	0.43	0.26	0.12
1.60	0.15	0.04	0.06	4.20	0.44	0.26	0.12
1.65	0.16	0.04	0.06	4.25	0.44	0.27	0.12
1.70	0.16	0.04	0.06	4.30	0.45	0.27	0.12
1.75	0.17	0.05	0.07	4.35	0.46	0.28	0.12
1.80	0.17	0.05	0.07	4.40	0.46	0.28	0.12
1.85	0.18	0.05	0.07	4.45	0.47	0.29	0.12
1.90	0.18	0.06	0.07	4.50	0.47	0.29	0.12
1.95	0.19	0.06	0.07	4.55	0.48	0.30	0.12
2.00	0.19	0.06	0.07	4.60	0.49	0.31	0.12
2.05	0.20	0.07	0.08	4.65	0.49	0.31	0.12
2.10	0.20	0.07	0.08	4.70	0.50	0.32	0.12
2.15	0.21	0.07	0.08	4.75	0.51	0.32	0.12
2.20	0.21	0.08	0.08	4.80	0.51	0.33	0.13
2.25	0.22	0.08	0.08	4.85	0.52	0.33	0.13
2.30	0.22	0.09	0.08	4.90	0.52	0.34	0.13
2.35	0.23	0.09	0.08	4.95	0.53	0.35	0.13
2.40	0.23	0.09	0.08	5.00	0.54	0.35	0.13
2.45	0.24	0.10	0.09	5.05	0.54	0.36	0.13
2.50	0.24	0.10	0.09	5.10	0.55	0.36	0.13
2.55	0.25	0.10	0.09	5.15	0.56	0.37	0.13

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.38	0.13	7.80	0.97	0.76	0.21
5.25	0.57	0.38	0.13	7.85	0.98	0.77	0.21
5.30	0.58	0.39	0.13	7.90	0.99	0.78	0.21
5.35	0.58	0.39	0.13	7.95	1.00	0.79	0.21
5.40	0.59	0.40	0.13	8.00	1.01	0.80	0.22
5.45	0.60	0.41	0.13	8.05	1.02	0.81	0.22
5.50	0.60	0.41	0.13	8.10	1.03	0.82	0.22
5.55	0.61	0.42	0.13	8.15	1.04	0.83	0.22
5.60	0.62	0.42	0.14	8.20	1.05	0.84	0.22
5.65	0.62	0.43	0.14	8.25	1.06	0.85	0.23
5.70	0.63	0.44	0.14	8.30	1.07	0.86	0.23
5.75	0.64	0.44	0.14	8.35	1.08	0.87	0.23
5.80	0.64	0.45	0.14	8.40	1.10	0.88	0.23
5.85	0.65	0.45	0.14	8.45	1.11	0.89	0.23
5.90	0.66	0.46	0.14	8.50	1.12	0.91	0.24
5.95	0.66	0.47	0.14	8.55	1.13	0.92	0.24
6.00	0.67	0.47	0.14	8.60	1.14	0.93	0.24
6.05	0.68	0.48	0.14	8.65	1.15	0.94	0.24
6.10	0.68	0.49	0.14	8.70	1.16	0.95	0.24
6.15	0.69	0.49	0.15	8.75	1.17	0.96	0.25
6.20	0.70	0.50	0.15	8.80	1.19	0.97	0.25
6.25	0.70	0.51	0.15	8.85	1.20	0.98	0.25
6.30	0.71	0.51	0.15	8.90	1.21	0.99	0.25
6.35	0.72	0.52	0.15	8.95	1.22	1.01	0.25
6.40	0.73	0.53	0.16	9.00	1.23	1.02	0.25
6.45	0.73	0.54	0.16	9.05	1.25	1.03	0.26
6.50	0.74	0.54	0.16	9.10	1.26	1.04	0.27
6.55	0.75	0.55	0.16	9.15	1.27	1.05	0.28
6.60	0.76	0.56	0.16	9.20	1.28	1.07	0.28
6.65	0.77	0.57	0.17	9.25	1.30	1.08	0.29
6.70	0.77	0.57	0.17	9.30	1.31	1.09	0.30
6.75	0.78	0.58	0.17	9.35	1.33	1.11	0.30
6.80	0.79	0.59	0.17	9.40	1.34	1.12	0.31
6.85	0.80	0.60	0.17	9.45	1.35	1.14	0.32
6.90	0.81	0.60	0.17	9.50	1.37	1.15	0.32
6.95	0.81	0.61	0.18	9.55	1.39	1.17	0.33
7.00	0.82	0.62	0.18	9.60	1.40	1.18	0.34
7.05	0.83	0.63	0.18	9.65	1.42	1.20	0.35
7.10	0.84	0.64	0.18	9.70	1.43	1.21	0.35
7.15	0.85	0.65	0.18	9.75	1.45	1.23	0.36
7.20	0.86	0.65	0.19	9.80	1.47	1.25	0.36
7.25	0.87	0.66	0.19	9.85	1.49	1.27	0.37
7.30	0.88	0.67	0.19	9.90	1.50	1.28	0.38
7.35	0.89	0.68	0.19	9.95	1.52	1.30	0.39
7.40	0.89	0.69	0.19	10.00	1.54	1.32	0.39
7.45	0.90	0.70	0.20	10.05	1.56	1.34	0.40
7.50	0.91	0.71	0.20	10.10	1.58	1.36	0.41
7.55	0.92	0.72	0.20	10.15	1.60	1.37	0.42
7.60	0.93	0.73	0.20	10.20	1.62	1.39	0.42
7.65	0.94	0.73	0.20	10.25	1.64	1.41	0.43
7.70	0.95	0.74	0.20	10.30	1.66	1.43	0.43
7.75	0.96	0.75	0.21	10.35	1.68	1.45	0.44

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	1.47	0.45	13.00	6.41	6.18	0.84
10.45	1.72	1.50	0.46	13.05	6.45	6.21	0.77
10.50	1.74	1.52	0.46	13.10	6.48	6.24	0.74
10.55	1.76	1.54	0.49	13.15	6.51	6.27	0.70
10.60	1.79	1.56	0.51	13.20	6.54	6.30	0.68
10.65	1.81	1.59	0.55	13.25	6.57	6.33	0.65
10.70	1.84	1.62	0.57	13.30	6.60	6.36	0.63
10.75	1.87	1.64	0.60	13.35	6.63	6.39	0.60
10.80	1.90	1.67	0.62	13.40	6.65	6.41	0.58
10.85	1.93	1.70	0.65	13.45	6.68	6.44	0.54
10.90	1.96	1.73	0.67	13.50	6.70	6.46	0.52
10.95	1.99	1.77	0.71	13.55	6.72	6.48	0.49
11.00	2.03	1.80	0.73	13.60	6.74	6.50	0.47
11.05	2.06	1.84	0.79	13.65	6.76	6.53	0.46
11.10	2.10	1.87	0.82	13.70	6.78	6.55	0.45
11.15	2.14	1.92	0.89	13.75	6.80	6.57	0.45
11.20	2.19	1.96	0.92	13.80	6.82	6.59	0.44
11.25	2.23	2.01	0.99	13.85	6.84	6.61	0.43
11.30	2.28	2.05	1.02	13.90	6.86	6.62	0.43
11.35	2.33	2.10	1.09	13.95	6.88	6.64	0.42
11.40	2.38	2.16	1.12	14.00	6.90	6.66	0.41
11.45	2.44	2.21	1.17	14.05	6.92	6.68	0.40
11.50	2.49	2.26	1.21	14.10	6.94	6.70	0.40
11.55	2.58	2.35	1.60	14.15	6.95	6.72	0.39
11.60	2.66	2.43	1.84	14.20	6.97	6.73	0.39
11.65	2.75	2.52	1.92	14.25	6.99	6.75	0.38
11.70	2.84	2.61	1.97	14.30	7.01	6.77	0.37
11.75	2.97	2.74	2.40	14.35	7.02	6.78	0.36
11.80	3.09	2.86	2.68	14.40	7.04	6.80	0.36
11.85	3.26	3.03	3.32	14.45	7.05	6.82	0.35
11.90	3.43	3.20	3.74	14.50	7.07	6.83	0.34
11.95	3.73	3.49	5.36	14.55	7.09	6.85	0.33
12.00	4.02	3.79	6.43	14.60	7.10	6.86	0.33
12.05	4.52	4.28	9.04	14.65	7.11	6.88	0.32
12.10	5.01	4.77	**10.53**	14.70	7.13	6.89	0.32
12.15	5.18	4.94	6.58	14.75	7.14	6.90	0.31
12.20	5.35	5.11	3.99	14.80	7.16	6.92	0.30
12.25	5.47	5.24	3.14	14.85	7.17	6.93	0.29
12.30	5.60	5.36	2.73	14.90	7.18	6.94	0.29
12.35	5.69	5.45	2.27	14.95	7.19	6.96	0.28
12.40	5.78	5.54	2.00	15.00	7.21	6.97	0.27
12.45	5.86	5.62	1.91	15.05	7.22	6.98	0.27
12.50	5.95	5.71	1.87	15.10	7.23	6.99	0.26
12.55	6.00	5.76	1.48	15.15	7.24	7.00	0.26
12.60	6.06	5.82	1.23	15.20	7.25	7.02	0.26
12.65	6.11	5.87	1.16	15.25	7.27	7.03	0.25
12.70	6.16	5.92	1.13	15.30	7.28	7.04	0.25
12.75	6.21	5.97	1.07	15.35	7.29	7.05	0.25
12.80	6.25	6.02	1.03	15.40	7.30	7.06	0.25
12.85	6.30	6.06	0.97	15.45	7.31	7.07	0.25
12.90	6.34	6.10	0.94	15.50	7.32	7.08	0.24
12.95	6.38	6.14	0.87	15.55	7.33	7.09	0.24

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	7.10	0.24	18.20	7.80	7.56	0.15
15.65	7.36	7.12	0.24	18.25	7.80	7.57	0.15
15.70	7.37	7.13	0.24	18.30	7.81	7.57	0.15
15.75	7.38	7.14	0.23	18.35	7.82	7.58	0.15
15.80	7.39	7.15	0.23	18.40	7.82	7.59	0.15
15.85	7.40	7.16	0.23	18.45	7.83	7.59	0.15
15.90	7.41	7.17	0.23	18.50	7.84	7.60	0.15
15.95	7.42	7.18	0.23	18.55	7.84	7.61	0.14
16.00	7.43	7.19	0.23	18.60	7.85	7.61	0.14
16.05	7.44	7.20	0.22	18.65	7.86	7.62	0.14
16.10	7.45	7.21	0.22	18.70	7.86	7.62	0.14
16.15	7.46	7.22	0.22	18.75	7.87	7.63	0.14
16.20	7.47	7.23	0.22	18.80	7.88	7.64	0.14
16.25	7.48	7.24	0.22	18.85	7.88	7.64	0.14
16.30	7.49	7.25	0.21	18.90	7.89	7.65	0.14
16.35	7.50	7.26	0.21	18.95	7.90	7.66	0.14
16.40	7.51	7.27	0.21	19.00	7.90	7.66	0.14
16.45	7.52	7.28	0.21	19.05	7.91	7.67	0.14
16.50	7.53	7.29	0.21	19.10	7.92	7.68	0.14
16.55	7.54	7.30	0.21	19.15	7.92	7.68	0.14
16.60	7.55	7.31	0.20	19.20	7.93	7.69	0.14
16.65	7.55	7.32	0.20	19.25	7.93	7.70	0.14
16.70	7.56	7.32	0.20	19.30	7.94	7.70	0.14
16.75	7.57	7.33	0.20	19.35	7.95	7.71	0.14
16.80	7.58	7.34	0.20	19.40	7.95	7.71	0.14
16.85	7.59	7.35	0.19	19.45	7.96	7.72	0.14
16.90	7.60	7.36	0.19	19.50	7.97	7.73	0.14
16.95	7.61	7.37	0.19	19.55	7.97	7.73	0.14
17.00	7.62	7.38	0.19	19.60	7.98	7.74	0.14
17.05	7.63	7.39	0.19	19.65	7.98	7.74	0.13
17.10	7.63	7.39	0.19	19.70	7.99	7.75	0.13
17.15	7.64	7.40	0.18	19.75	8.00	7.76	0.13
17.20	7.65	7.41	0.18	19.80	8.00	7.76	0.13
17.25	7.66	7.42	0.18	19.85	8.01	7.77	0.13
17.30	7.67	7.43	0.18	19.90	8.01	7.78	0.13
17.35	7.67	7.43	0.18	19.95	8.02	7.78	0.13
17.40	7.68	7.44	0.18	20.00	8.03	7.79	0.13
17.45	7.69	7.45	0.17	20.05	8.03	7.79	0.13
17.50	7.70	7.46	0.17	20.10	8.04	7.80	0.13
17.55	7.71	7.47	0.17	20.15	8.04	7.80	0.13
17.60	7.71	7.47	0.17	20.20	8.05	7.81	0.13
17.65	7.72	7.48	0.17	20.25	8.06	7.82	0.13
17.70	7.73	7.49	0.16	20.30	8.06	7.82	0.13
17.75	7.74	7.50	0.16	20.35	8.07	7.83	0.13
17.80	7.74	7.50	0.16	20.40	8.07	7.83	0.13
17.85	7.75	7.51	0.16	20.45	8.08	7.84	0.13
17.90	7.76	7.52	0.16	20.50	8.09	7.85	0.13
17.95	7.76	7.52	0.15	20.55	8.09	7.85	0.13
18.00	7.77	7.53	0.15	20.60	8.10	7.86	0.13
18.05	7.78	7.54	0.15	20.65	8.10	7.86	0.13
18.10	7.78	7.55	0.15	20.70	8.11	7.87	0.13
18.15	7.79	7.55	0.15	20.75	8.11	7.87	0.12

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	7.88	0.12	23.40	8.38	8.14	0.10
20.85	8.13	7.89	0.12	23.45	8.39	8.15	0.10
20.90	8.13	7.89	0.12	23.50	8.39	8.15	0.10
20.95	8.14	7.90	0.12	23.55	8.40	8.16	0.10
21.00	8.14	7.90	0.12	23.60	8.40	8.16	0.10
21.05	8.15	7.91	0.12	23.65	8.41	8.17	0.10
21.10	8.15	7.91	0.12	23.70	8.41	8.17	0.10
21.15	8.16	7.92	0.12	23.75	8.42	8.18	0.10
21.20	8.16	7.92	0.12	23.80	8.42	8.18	0.10
21.25	8.17	7.93	0.12	23.85	8.42	8.18	0.10
21.30	8.18	7.94	0.12	23.90	8.43	8.19	0.10
21.35	8.18	7.94	0.12	23.95	8.43	8.19	0.11
21.40	8.19	7.95	0.12	24.00	**8.44**	**8.20**	0.12
21.45	8.19	7.95	0.12	24.05	8.44	8.20	0.05
21.50	8.20	7.96	0.12	24.10	8.44	8.20	0.00
21.55	8.20	7.96	0.12	24.15	8.44	8.20	0.00
21.60	8.21	7.97	0.12	24.20	8.44	8.20	0.00
21.65	8.21	7.97	0.12	24.25	8.44	8.20	0.00
21.70	8.22	7.98	0.12	24.30	8.44	8.20	0.00
21.75	8.22	7.98	0.12	24.35	8.44	8.20	0.00
21.80	8.23	7.99	0.12	24.40	8.44	8.20	0.00
21.85	8.23	7.99	0.11	24.45	8.44	8.20	0.00
21.90	8.24	8.00	0.11	24.50	8.44	8.20	0.00
21.95	8.24	8.00	0.11	24.55	8.44	8.20	0.00
22.00	8.25	8.01	0.11	24.60	8.44	8.20	0.00
22.05	8.25	8.01	0.11	24.65	8.44	8.20	0.00
22.10	8.26	8.02	0.11	24.70	8.44	8.20	0.00
22.15	8.26	8.02	0.11	24.75	8.44	8.20	0.00
22.20	8.27	8.03	0.11	24.80	8.44	8.20	0.00
22.25	8.27	8.03	0.11	24.85	8.44	8.20	0.00
22.30	8.28	8.04	0.11	24.90	8.44	8.20	0.00
22.35	8.28	8.04	0.11	24.95	8.44	8.20	0.00
22.40	8.29	8.05	0.11	25.00	8.44	8.20	0.00
22.45	8.29	8.05	0.11	25.05	8.44	8.20	0.00
22.50	8.30	8.06	0.11	25.10	8.44	8.20	0.00
22.55	8.30	8.06	0.11	25.15	8.44	8.20	0.00
22.60	8.31	8.07	0.11	25.20	8.44	8.20	0.00
22.65	8.31	8.07	0.11	25.25	8.44	8.20	0.00
22.70	8.32	8.08	0.11	25.30	8.44	8.20	0.00
22.75	8.32	8.08	0.11	25.35	8.44	8.20	0.00
22.80	8.33	8.09	0.11	25.40	8.44	8.20	0.00
22.85	8.33	8.09	0.11	25.45	8.44	8.20	0.00
22.90	8.34	8.10	0.10	25.50	8.44	8.20	0.00
22.95	8.34	8.10	0.10	25.55	8.44	8.20	0.00
23.00	8.35	8.11	0.10	25.60	8.44	8.20	0.00
23.05	8.35	8.11	0.10	25.65	8.44	8.20	0.00
23.10	8.36	8.12	0.10	25.70	8.44	8.20	0.00
23.15	8.36	8.12	0.10	25.75	8.44	8.20	0.00
23.20	8.37	8.13	0.10	25.80	8.44	8.20	0.00
23.25	8.37	8.13	0.10	25.85	8.44	8.20	0.00
23.30	8.38	8.14	0.10	25.90	8.44	8.20	0.00
23.35	8.38	8.14	0.10	25.95	8.44	8.20	0.00

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	8.20	0.00	28.60	8.44	8.20	0.00
26.05	8.44	8.20	0.00	28.65	8.44	8.20	0.00
26.10	8.44	8.20	0.00	28.70	8.44	8.20	0.00
26.15	8.44	8.20	0.00	28.75	8.44	8.20	0.00
26.20	8.44	8.20	0.00	28.80	8.44	8.20	0.00
26.25	8.44	8.20	0.00	28.85	8.44	8.20	0.00
26.30	8.44	8.20	0.00	28.90	8.44	8.20	0.00
26.35	8.44	8.20	0.00	28.95	8.44	8.20	0.00
26.40	8.44	8.20	0.00	29.00	8.44	8.20	0.00
26.45	8.44	8.20	0.00	29.05	8.44	8.20	0.00
26.50	8.44	8.20	0.00	29.10	8.44	8.20	0.00
26.55	8.44	8.20	0.00	29.15	8.44	8.20	0.00
26.60	8.44	8.20	0.00	29.20	8.44	8.20	0.00
26.65	8.44	8.20	0.00	29.25	8.44	8.20	0.00
26.70	8.44	8.20	0.00	29.30	8.44	8.20	0.00
26.75	8.44	8.20	0.00	29.35	8.44	8.20	0.00
26.80	8.44	8.20	0.00	29.40	8.44	8.20	0.00
26.85	8.44	8.20	0.00	29.45	8.44	8.20	0.00
26.90	8.44	8.20	0.00	29.50	8.44	8.20	0.00
26.95	8.44	8.20	0.00	29.55	8.44	8.20	0.00
27.00	8.44	8.20	0.00	29.60	8.44	8.20	0.00
27.05	8.44	8.20	0.00	29.65	8.44	8.20	0.00
27.10	8.44	8.20	0.00	29.70	8.44	8.20	0.00
27.15	8.44	8.20	0.00	29.75	8.44	8.20	0.00
27.20	8.44	8.20	0.00	29.80	8.44	8.20	0.00
27.25	8.44	8.20	0.00	29.85	8.44	8.20	0.00
27.30	8.44	8.20	0.00	29.90	8.44	8.20	0.00
27.35	8.44	8.20	0.00	29.95	8.44	8.20	0.00
27.40	8.44	8.20	0.00	30.00	8.44	8.20	0.00
27.45	8.44	8.20	0.00	30.05	8.44	8.20	0.00
27.50	8.44	8.20	0.00	30.10	8.44	8.20	0.00
27.55	8.44	8.20	0.00	30.15	8.44	8.20	0.00
27.60	8.44	8.20	0.00	30.20	8.44	8.20	0.00
27.65	8.44	8.20	0.00	30.25	8.44	8.20	0.00
27.70	8.44	8.20	0.00	30.30	8.44	8.20	0.00
27.75	8.44	8.20	0.00	30.35	8.44	8.20	0.00
27.80	8.44	8.20	0.00	30.40	8.44	8.20	0.00
27.85	8.44	8.20	0.00	30.45	8.44	8.20	0.00
27.90	8.44	8.20	0.00	30.50	8.44	8.20	0.00
27.95	8.44	8.20	0.00	30.55	8.44	8.20	0.00
28.00	8.44	8.20	0.00	30.60	8.44	8.20	0.00
28.05	8.44	8.20	0.00	30.65	8.44	8.20	0.00
28.10	8.44	8.20	0.00	30.70	8.44	8.20	0.00
28.15	8.44	8.20	0.00	30.75	8.44	8.20	0.00
28.20	8.44	8.20	0.00	30.80	8.44	8.20	0.00
28.25	8.44	8.20	0.00	30.85	8.44	8.20	0.00
28.30	8.44	8.20	0.00	30.90	8.44	8.20	0.00
28.35	8.44	8.20	0.00	30.95	8.44	8.20	0.00
28.40	8.44	8.20	0.00	31.00	8.44	8.20	0.00
28.45	8.44	8.20	0.00	31.05	8.44	8.20	0.00
28.50	8.44	8.20	0.00	31.10	8.44	8.20	0.00
28.55	8.44	8.20	0.00	31.15	8.44	8.20	0.00

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	8.20	0.00	33.80	8.44	8.20	0.00
31.25	8.44	8.20	0.00	33.85	8.44	8.20	0.00
31.30	8.44	8.20	0.00	33.90	8.44	8.20	0.00
31.35	8.44	8.20	0.00	33.95	8.44	8.20	0.00
31.40	8.44	8.20	0.00	34.00	8.44	8.20	0.00
31.45	8.44	8.20	0.00	34.05	8.44	8.20	0.00
31.50	8.44	8.20	0.00	34.10	8.44	8.20	0.00
31.55	8.44	8.20	0.00	34.15	8.44	8.20	0.00
31.60	8.44	8.20	0.00	34.20	8.44	8.20	0.00
31.65	8.44	8.20	0.00	34.25	8.44	8.20	0.00
31.70	8.44	8.20	0.00	34.30	8.44	8.20	0.00
31.75	8.44	8.20	0.00	34.35	8.44	8.20	0.00
31.80	8.44	8.20	0.00	34.40	8.44	8.20	0.00
31.85	8.44	8.20	0.00	34.45	8.44	8.20	0.00
31.90	8.44	8.20	0.00	34.50	8.44	8.20	0.00
31.95	8.44	8.20	0.00	34.55	8.44	8.20	0.00
32.00	8.44	8.20	0.00	34.60	8.44	8.20	0.00
32.05	8.44	8.20	0.00	34.65	8.44	8.20	0.00
32.10	8.44	8.20	0.00	34.70	8.44	8.20	0.00
32.15	8.44	8.20	0.00	34.75	8.44	8.20	0.00
32.20	8.44	8.20	0.00	34.80	8.44	8.20	0.00
32.25	8.44	8.20	0.00	34.85	8.44	8.20	0.00
32.30	8.44	8.20	0.00	34.90	8.44	8.20	0.00
32.35	8.44	8.20	0.00	34.95	8.44	8.20	0.00
32.40	8.44	8.20	0.00	35.00	8.44	8.20	0.00
32.45	8.44	8.20	0.00	35.05	8.44	8.20	0.00
32.50	8.44	8.20	0.00	35.10	8.44	8.20	0.00
32.55	8.44	8.20	0.00	35.15	8.44	8.20	0.00
32.60	8.44	8.20	0.00	35.20	8.44	8.20	0.00
32.65	8.44	8.20	0.00	35.25	8.44	8.20	0.00
32.70	8.44	8.20	0.00	35.30	8.44	8.20	0.00
32.75	8.44	8.20	0.00	35.35	8.44	8.20	0.00
32.80	8.44	8.20	0.00	35.40	8.44	8.20	0.00
32.85	8.44	8.20	0.00	35.45	8.44	8.20	0.00
32.90	8.44	8.20	0.00	35.50	8.44	8.20	0.00
32.95	8.44	8.20	0.00	35.55	8.44	8.20	0.00
33.00	8.44	8.20	0.00	35.60	8.44	8.20	0.00
33.05	8.44	8.20	0.00	35.65	8.44	8.20	0.00
33.10	8.44	8.20	0.00	35.70	8.44	8.20	0.00
33.15	8.44	8.20	0.00	35.75	8.44	8.20	0.00
33.20	8.44	8.20	0.00	35.80	8.44	8.20	0.00
33.25	8.44	8.20	0.00	35.85	8.44	8.20	0.00
33.30	8.44	8.20	0.00	35.90	8.44	8.20	0.00
33.35	8.44	8.20	0.00	35.95	8.44	8.20	0.00
33.40	8.44	8.20	0.00	36.00	8.44	8.20	0.00
33.45	8.44	8.20	0.00	36.05	8.44	8.20	0.00
33.50	8.44	8.20	0.00	36.10	8.44	8.20	0.00
33.55	8.44	8.20	0.00	36.15	8.44	8.20	0.00
33.60	8.44	8.20	0.00	36.20	8.44	8.20	0.00
33.65	8.44	8.20	0.00	36.25	8.44	8.20	0.00
33.70	8.44	8.20	0.00	36.30	8.44	8.20	0.00
33.75	8.44	8.20	0.00	36.35	8.44	8.20	0.00

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	8.20	0.00
36.45	8.44	8.20	0.00
36.50	8.44	8.20	0.00
36.55	8.44	8.20	0.00
36.60	8.44	8.20	0.00
36.65	8.44	8.20	0.00
36.70	8.44	8.20	0.00
36.75	8.44	8.20	0.00
36.80	8.44	8.20	0.00
36.85	8.44	8.20	0.00
36.90	8.44	8.20	0.00
36.95	8.44	8.20	0.00
37.00	8.44	8.20	0.00
37.05	8.44	8.20	0.00
37.10	8.44	8.20	0.00
37.15	8.44	8.20	0.00
37.20	8.44	8.20	0.00
37.25	8.44	8.20	0.00
37.30	8.44	8.20	0.00
37.35	8.44	8.20	0.00
37.40	8.44	8.20	0.00
37.45	8.44	8.20	0.00
37.50	8.44	8.20	0.00
37.55	8.44	8.20	0.00
37.60	8.44	8.20	0.00
37.65	8.44	8.20	0.00
37.70	8.44	8.20	0.00
37.75	8.44	8.20	0.00
37.80	8.44	8.20	0.00
37.85	8.44	8.20	0.00
37.90	8.44	8.20	0.00
37.95	8.44	8.20	0.00
38.00	8.44	8.20	0.00
38.05	8.44	8.20	0.00
38.10	8.44	8.20	0.00
38.15	8.44	8.20	0.00
38.20	8.44	8.20	0.00
38.25	8.44	8.20	0.00
38.30	8.44	8.20	0.00
38.35	8.44	8.20	0.00
38.40	8.44	8.20	0.00
38.45	8.44	8.20	0.00
38.50	8.44	8.20	0.00
38.55	8.44	8.20	0.00
38.60	8.44	8.20	0.00
38.65	8.44	8.20	0.00
38.70	8.44	8.20	0.00
38.75	8.44	8.20	0.00
38.80	8.44	8.20	0.00
38.85	8.44	8.20	0.00
38.90	8.44	8.20	0.00
38.95	8.44	8.20	0.00
39.00	8.44	8.20	0.00
39.05	8.44	8.20	0.00
39.10	8.44	8.20	0.00
39.15	8.44	8.20	0.00
39.20	8.44	8.20	0.00
39.25	8.44	8.20	0.00
39.30	8.44	8.20	0.00
39.35	8.44	8.20	0.00
39.40	8.44	8.20	0.00
39.45	8.44	8.20	0.00
39.50	8.44	8.20	0.00
39.55	8.44	8.20	0.00
39.60	8.44	8.20	0.00
39.65	8.44	8.20	0.00
39.70	8.44	8.20	0.00
39.75	8.44	8.20	0.00
39.80	8.44	8.20	0.00
39.85	8.44	8.20	0.00
39.90	8.44	8.20	0.00
39.95	8.44	8.20	0.00
40.00	8.44	8.20	0.00

Summary for Subcatchment 55P: PDA-55 (pervious)

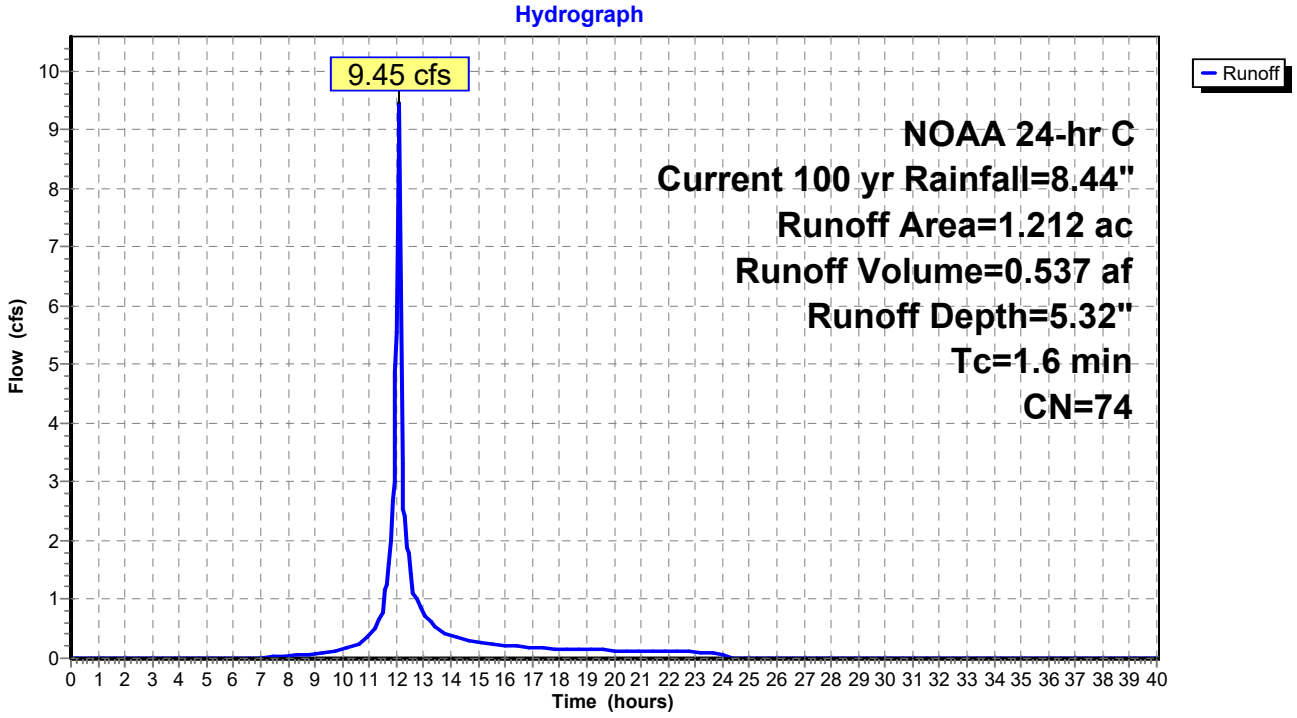
Runoff = 9.45 cfs @ 12.08 hrs, Volume= 0.537 af, Depth= 5.32"
Routed to Pond B-55 : Basin #55

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
1.212	74	>75% Grass cover, Good, HSG C
1.212		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.6					**Direct Entry,**

Subcatchment 55P: PDA-55 (pervious)



Hydrograph for Subcatchment 55P: PDA-55 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.02	0.03
5.25	0.57	0.00	0.00	7.85	0.98	0.02	0.03
5.30	0.58	0.00	0.00	7.90	0.99	0.02	0.04
5.35	0.58	0.00	0.00	7.95	1.00	0.02	0.04
5.40	0.59	0.00	0.00	8.00	1.01	0.02	0.04
5.45	0.60	0.00	0.00	8.05	1.02	0.03	0.04
5.50	0.60	0.00	0.00	8.10	1.03	0.03	0.04
5.55	0.61	0.00	0.00	8.15	1.04	0.03	0.04
5.60	0.62	0.00	0.00	8.20	1.05	0.03	0.04
5.65	0.62	0.00	0.00	8.25	1.06	0.03	0.05
5.70	0.63	0.00	0.00	8.30	1.07	0.04	0.05
5.75	0.64	0.00	0.00	8.35	1.08	0.04	0.05
5.80	0.64	0.00	0.00	8.40	1.10	0.04	0.05
5.85	0.65	0.00	0.00	8.45	1.11	0.04	0.05
5.90	0.66	0.00	0.00	8.50	1.12	0.04	0.05
5.95	0.66	0.00	0.00	8.55	1.13	0.05	0.06
6.00	0.67	0.00	0.00	8.60	1.14	0.05	0.06
6.05	0.68	0.00	0.00	8.65	1.15	0.05	0.06
6.10	0.68	0.00	0.00	8.70	1.16	0.05	0.06
6.15	0.69	0.00	0.00	8.75	1.17	0.06	0.06
6.20	0.70	0.00	0.00	8.80	1.19	0.06	0.06
6.25	0.70	0.00	0.00	8.85	1.20	0.06	0.07
6.30	0.71	0.00	0.00	8.90	1.21	0.06	0.07
6.35	0.72	0.00	0.00	8.95	1.22	0.07	0.07
6.40	0.73	0.00	0.00	9.00	1.23	0.07	0.07
6.45	0.73	0.00	0.00	9.05	1.25	0.07	0.07
6.50	0.74	0.00	0.00	9.10	1.26	0.08	0.08
6.55	0.75	0.00	0.00	9.15	1.27	0.08	0.08
6.60	0.76	0.00	0.01	9.20	1.28	0.08	0.08
6.65	0.77	0.00	0.01	9.25	1.30	0.09	0.09
6.70	0.77	0.00	0.01	9.30	1.31	0.09	0.09
6.75	0.78	0.00	0.01	9.35	1.33	0.09	0.10
6.80	0.79	0.00	0.01	9.40	1.34	0.10	0.10
6.85	0.80	0.00	0.01	9.45	1.35	0.10	0.10
6.90	0.81	0.00	0.01	9.50	1.37	0.11	0.11
6.95	0.81	0.00	0.01	9.55	1.39	0.11	0.11
7.00	0.82	0.00	0.01	9.60	1.40	0.12	0.12
7.05	0.83	0.00	0.01	9.65	1.42	0.12	0.12
7.10	0.84	0.01	0.02	9.70	1.43	0.13	0.12
7.15	0.85	0.01	0.02	9.75	1.45	0.13	0.13
7.20	0.86	0.01	0.02	9.80	1.47	0.14	0.13
7.25	0.87	0.01	0.02	9.85	1.49	0.14	0.14
7.30	0.88	0.01	0.02	9.90	1.50	0.15	0.14
7.35	0.89	0.01	0.02	9.95	1.52	0.15	0.15
7.40	0.89	0.01	0.02	10.00	1.54	0.16	0.15
7.45	0.90	0.01	0.02	10.05	1.56	0.17	0.16
7.50	0.91	0.01	0.02	10.10	1.58	0.17	0.16
7.55	0.92	0.01	0.03	10.15	1.60	0.18	0.17
7.60	0.93	0.01	0.03	10.20	1.62	0.19	0.18
7.65	0.94	0.02	0.03	10.25	1.64	0.20	0.18
7.70	0.95	0.02	0.03	10.30	1.66	0.20	0.19
7.75	0.96	0.02	0.03	10.35	1.68	0.21	0.19

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.22	0.20	13.00	6.41	3.54	0.78
10.45	1.72	0.23	0.21	13.05	6.45	3.57	0.71
10.50	1.74	0.24	0.21	13.10	6.48	3.59	0.70
10.55	1.76	0.25	0.23	13.15	6.51	3.62	0.65
10.60	1.79	0.26	0.24	13.20	6.54	3.65	0.65
10.65	1.81	0.27	0.27	13.25	6.57	3.67	0.61
10.70	1.84	0.28	0.27	13.30	6.60	3.70	0.60
10.75	1.87	0.29	0.30	13.35	6.63	3.72	0.56
10.80	1.90	0.30	0.31	13.40	6.65	3.74	0.55
10.85	1.93	0.32	0.34	13.45	6.68	3.76	0.51
10.90	1.96	0.33	0.35	13.50	6.70	3.78	0.50
10.95	1.99	0.35	0.37	13.55	6.72	3.80	0.46
11.00	2.03	0.36	0.39	13.60	6.74	3.82	0.45
11.05	2.06	0.38	0.44	13.65	6.76	3.84	0.44
11.10	2.10	0.40	0.45	13.70	6.78	3.85	0.44
11.15	2.14	0.42	0.51	13.75	6.80	3.87	0.43
11.20	2.19	0.44	0.53	13.80	6.82	3.89	0.42
11.25	2.23	0.46	0.58	13.85	6.84	3.91	0.41
11.30	2.28	0.49	0.60	13.90	6.86	3.92	0.41
11.35	2.33	0.52	0.66	13.95	6.88	3.94	0.40
11.40	2.38	0.54	0.68	14.00	6.90	3.96	0.40
11.45	2.44	0.57	0.73	14.05	6.92	3.97	0.39
11.50	2.49	0.60	0.79	14.10	6.94	3.99	0.38
11.55	2.58	0.65	1.15	14.15	6.95	4.00	0.37
11.60	2.66	0.70	1.22	14.20	6.97	4.02	0.37
11.65	2.75	0.76	1.30	14.25	6.99	4.03	0.36
11.70	2.84	0.81	1.38	14.30	7.01	4.05	0.36
11.75	2.97	0.89	1.83	14.35	7.02	4.06	0.35
11.80	3.09	0.97	1.99	14.40	7.04	4.08	0.35
11.85	3.26	1.08	2.67	14.45	7.05	4.09	0.34
11.90	3.43	1.19	3.01	14.50	7.07	4.10	0.33
11.95	3.73	1.40	4.85	14.55	7.09	4.12	0.32
12.00	4.02	1.61	5.55	14.60	7.10	4.13	0.32
12.05	4.52	1.98	8.77	14.65	7.11	4.14	0.31
12.10	5.01	2.37	**8.86**	14.70	7.13	4.15	0.31
12.15	5.18	2.51	3.89	14.75	7.14	4.17	0.30
12.20	5.35	2.65	3.30	14.80	7.16	4.18	0.29
12.25	5.47	2.75	2.54	14.85	7.17	4.19	0.28
12.30	5.60	2.85	2.41	14.90	7.18	4.20	0.28
12.35	5.69	2.92	1.87	14.95	7.19	4.21	0.27
12.40	5.78	3.00	1.82	15.00	7.21	4.22	0.27
12.45	5.86	3.07	1.75	15.05	7.22	4.23	0.26
12.50	5.95	3.14	1.69	15.10	7.23	4.24	0.25
12.55	6.00	3.19	1.18	15.15	7.24	4.25	0.25
12.60	6.06	3.23	1.13	15.20	7.25	4.26	0.25
12.65	6.11	3.28	1.07	15.25	7.27	4.27	0.25
12.70	6.16	3.32	1.06	15.30	7.28	4.28	0.25
12.75	6.21	3.36	0.98	15.35	7.29	4.29	0.24
12.80	6.25	3.40	0.97	15.40	7.30	4.30	0.24
12.85	6.30	3.44	0.89	15.45	7.31	4.31	0.24
12.90	6.34	3.47	0.88	15.50	7.32	4.32	0.24
12.95	6.38	3.50	0.80	15.55	7.33	4.33	0.24

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	4.34	0.24	18.20	7.80	4.75	0.15
15.65	7.36	4.35	0.23	18.25	7.80	4.75	0.15
15.70	7.37	4.36	0.23	18.30	7.81	4.76	0.15
15.75	7.38	4.37	0.23	18.35	7.82	4.76	0.15
15.80	7.39	4.38	0.23	18.40	7.82	4.77	0.15
15.85	7.40	4.39	0.23	18.45	7.83	4.78	0.14
15.90	7.41	4.40	0.23	18.50	7.84	4.78	0.14
15.95	7.42	4.41	0.22	18.55	7.84	4.79	0.14
16.00	7.43	4.42	0.22	18.60	7.85	4.79	0.14
16.05	7.44	4.43	0.22	18.65	7.86	4.80	0.14
16.10	7.45	4.44	0.22	18.70	7.86	4.80	0.14
16.15	7.46	4.44	0.22	18.75	7.87	4.81	0.14
16.20	7.47	4.45	0.22	18.80	7.88	4.82	0.14
16.25	7.48	4.46	0.21	18.85	7.88	4.82	0.14
16.30	7.49	4.47	0.21	18.90	7.89	4.83	0.14
16.35	7.50	4.48	0.21	18.95	7.90	4.83	0.14
16.40	7.51	4.49	0.21	19.00	7.90	4.84	0.14
16.45	7.52	4.50	0.20	19.05	7.91	4.84	0.14
16.50	7.53	4.50	0.20	19.10	7.92	4.85	0.14
16.55	7.54	4.51	0.20	19.15	7.92	4.86	0.14
16.60	7.55	4.52	0.20	19.20	7.93	4.86	0.14
16.65	7.55	4.53	0.20	19.25	7.93	4.87	0.14
16.70	7.56	4.54	0.20	19.30	7.94	4.87	0.14
16.75	7.57	4.55	0.19	19.35	7.95	4.88	0.14
16.80	7.58	4.55	0.19	19.40	7.95	4.88	0.14
16.85	7.59	4.56	0.19	19.45	7.96	4.89	0.14
16.90	7.60	4.57	0.19	19.50	7.97	4.90	0.14
16.95	7.61	4.58	0.19	19.55	7.97	4.90	0.13
17.00	7.62	4.58	0.19	19.60	7.98	4.91	0.13
17.05	7.63	4.59	0.18	19.65	7.98	4.91	0.13
17.10	7.63	4.60	0.18	19.70	7.99	4.92	0.13
17.15	7.64	4.61	0.18	19.75	8.00	4.92	0.13
17.20	7.65	4.61	0.18	19.80	8.00	4.93	0.13
17.25	7.66	4.62	0.18	19.85	8.01	4.93	0.13
17.30	7.67	4.63	0.18	19.90	8.01	4.94	0.13
17.35	7.67	4.64	0.17	19.95	8.02	4.94	0.13
17.40	7.68	4.64	0.17	20.00	8.03	4.95	0.13
17.45	7.69	4.65	0.17	20.05	8.03	4.96	0.13
17.50	7.70	4.66	0.17	20.10	8.04	4.96	0.13
17.55	7.71	4.66	0.17	20.15	8.04	4.97	0.13
17.60	7.71	4.67	0.17	20.20	8.05	4.97	0.13
17.65	7.72	4.68	0.16	20.25	8.06	4.98	0.13
17.70	7.73	4.68	0.16	20.30	8.06	4.98	0.13
17.75	7.74	4.69	0.16	20.35	8.07	4.99	0.13
17.80	7.74	4.70	0.16	20.40	8.07	4.99	0.13
17.85	7.75	4.70	0.16	20.45	8.08	5.00	0.13
17.90	7.76	4.71	0.15	20.50	8.09	5.00	0.13
17.95	7.76	4.72	0.15	20.55	8.09	5.01	0.13
18.00	7.77	4.72	0.15	20.60	8.10	5.01	0.13
18.05	7.78	4.73	0.15	20.65	8.10	5.02	0.12
18.10	7.78	4.73	0.15	20.70	8.11	5.02	0.12
18.15	7.79	4.74	0.15	20.75	8.11	5.03	0.12

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	5.03	0.12	23.40	8.38	5.27	0.10
20.85	8.13	5.04	0.12	23.45	8.39	5.28	0.10
20.90	8.13	5.04	0.12	23.50	8.39	5.28	0.10
20.95	8.14	5.05	0.12	23.55	8.40	5.28	0.10
21.00	8.14	5.05	0.12	23.60	8.40	5.29	0.10
21.05	8.15	5.06	0.12	23.65	8.41	5.29	0.10
21.10	8.15	5.06	0.12	23.70	8.41	5.30	0.10
21.15	8.16	5.07	0.12	23.75	8.42	5.30	0.10
21.20	8.16	5.07	0.12	23.80	8.42	5.30	0.10
21.25	8.17	5.08	0.12	23.85	8.42	5.31	0.10
21.30	8.18	5.08	0.12	23.90	8.43	5.31	0.10
21.35	8.18	5.09	0.12	23.95	8.43	5.32	0.12
21.40	8.19	5.09	0.12	24.00	**8.44**	**5.32**	0.11
21.45	8.19	5.10	0.12	24.05	8.44	5.32	0.01
21.50	8.20	5.10	0.12	24.10	8.44	5.32	0.00
21.55	8.20	5.11	0.12	24.15	8.44	5.32	0.00
21.60	8.21	5.11	0.12	24.20	8.44	5.32	0.00
21.65	8.21	5.12	0.12	24.25	8.44	5.32	0.00
21.70	8.22	5.12	0.12	24.30	8.44	5.32	0.00
21.75	8.22	5.13	0.12	24.35	8.44	5.32	0.00
21.80	8.23	5.13	0.12	24.40	8.44	5.32	0.00
21.85	8.23	5.14	0.11	24.45	8.44	5.32	0.00
21.90	8.24	5.14	0.11	24.50	8.44	5.32	0.00
21.95	8.24	5.14	0.11	24.55	8.44	5.32	0.00
22.00	8.25	5.15	0.11	24.60	8.44	5.32	0.00
22.05	8.25	5.15	0.11	24.65	8.44	5.32	0.00
22.10	8.26	5.16	0.11	24.70	8.44	5.32	0.00
22.15	8.26	5.16	0.11	24.75	8.44	5.32	0.00
22.20	8.27	5.17	0.11	24.80	8.44	5.32	0.00
22.25	8.27	5.17	0.11	24.85	8.44	5.32	0.00
22.30	8.28	5.18	0.11	24.90	8.44	5.32	0.00
22.35	8.28	5.18	0.11	24.95	8.44	5.32	0.00
22.40	8.29	5.19	0.11	25.00	8.44	5.32	0.00
22.45	8.29	5.19	0.11	25.05	8.44	5.32	0.00
22.50	8.30	5.19	0.11	25.10	8.44	5.32	0.00
22.55	8.30	5.20	0.11	25.15	8.44	5.32	0.00
22.60	8.31	5.20	0.11	25.20	8.44	5.32	0.00
22.65	8.31	5.21	0.11	25.25	8.44	5.32	0.00
22.70	8.32	5.21	0.11	25.30	8.44	5.32	0.00
22.75	8.32	5.22	0.11	25.35	8.44	5.32	0.00
22.80	8.33	5.22	0.11	25.40	8.44	5.32	0.00
22.85	8.33	5.22	0.11	25.45	8.44	5.32	0.00
22.90	8.34	5.23	0.10	25.50	8.44	5.32	0.00
22.95	8.34	5.23	0.10	25.55	8.44	5.32	0.00
23.00	8.35	5.24	0.10	25.60	8.44	5.32	0.00
23.05	8.35	5.24	0.10	25.65	8.44	5.32	0.00
23.10	8.36	5.25	0.10	25.70	8.44	5.32	0.00
23.15	8.36	5.25	0.10	25.75	8.44	5.32	0.00
23.20	8.37	5.25	0.10	25.80	8.44	5.32	0.00
23.25	8.37	5.26	0.10	25.85	8.44	5.32	0.00
23.30	8.38	5.26	0.10	25.90	8.44	5.32	0.00
23.35	8.38	5.27	0.10	25.95	8.44	5.32	0.00

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	5.32	0.00	28.60	8.44	5.32	0.00
26.05	8.44	5.32	0.00	28.65	8.44	5.32	0.00
26.10	8.44	5.32	0.00	28.70	8.44	5.32	0.00
26.15	8.44	5.32	0.00	28.75	8.44	5.32	0.00
26.20	8.44	5.32	0.00	28.80	8.44	5.32	0.00
26.25	8.44	5.32	0.00	28.85	8.44	5.32	0.00
26.30	8.44	5.32	0.00	28.90	8.44	5.32	0.00
26.35	8.44	5.32	0.00	28.95	8.44	5.32	0.00
26.40	8.44	5.32	0.00	29.00	8.44	5.32	0.00
26.45	8.44	5.32	0.00	29.05	8.44	5.32	0.00
26.50	8.44	5.32	0.00	29.10	8.44	5.32	0.00
26.55	8.44	5.32	0.00	29.15	8.44	5.32	0.00
26.60	8.44	5.32	0.00	29.20	8.44	5.32	0.00
26.65	8.44	5.32	0.00	29.25	8.44	5.32	0.00
26.70	8.44	5.32	0.00	29.30	8.44	5.32	0.00
26.75	8.44	5.32	0.00	29.35	8.44	5.32	0.00
26.80	8.44	5.32	0.00	29.40	8.44	5.32	0.00
26.85	8.44	5.32	0.00	29.45	8.44	5.32	0.00
26.90	8.44	5.32	0.00	29.50	8.44	5.32	0.00
26.95	8.44	5.32	0.00	29.55	8.44	5.32	0.00
27.00	8.44	5.32	0.00	29.60	8.44	5.32	0.00
27.05	8.44	5.32	0.00	29.65	8.44	5.32	0.00
27.10	8.44	5.32	0.00	29.70	8.44	5.32	0.00
27.15	8.44	5.32	0.00	29.75	8.44	5.32	0.00
27.20	8.44	5.32	0.00	29.80	8.44	5.32	0.00
27.25	8.44	5.32	0.00	29.85	8.44	5.32	0.00
27.30	8.44	5.32	0.00	29.90	8.44	5.32	0.00
27.35	8.44	5.32	0.00	29.95	8.44	5.32	0.00
27.40	8.44	5.32	0.00	30.00	8.44	5.32	0.00
27.45	8.44	5.32	0.00	30.05	8.44	5.32	0.00
27.50	8.44	5.32	0.00	30.10	8.44	5.32	0.00
27.55	8.44	5.32	0.00	30.15	8.44	5.32	0.00
27.60	8.44	5.32	0.00	30.20	8.44	5.32	0.00
27.65	8.44	5.32	0.00	30.25	8.44	5.32	0.00
27.70	8.44	5.32	0.00	30.30	8.44	5.32	0.00
27.75	8.44	5.32	0.00	30.35	8.44	5.32	0.00
27.80	8.44	5.32	0.00	30.40	8.44	5.32	0.00
27.85	8.44	5.32	0.00	30.45	8.44	5.32	0.00
27.90	8.44	5.32	0.00	30.50	8.44	5.32	0.00
27.95	8.44	5.32	0.00	30.55	8.44	5.32	0.00
28.00	8.44	5.32	0.00	30.60	8.44	5.32	0.00
28.05	8.44	5.32	0.00	30.65	8.44	5.32	0.00
28.10	8.44	5.32	0.00	30.70	8.44	5.32	0.00
28.15	8.44	5.32	0.00	30.75	8.44	5.32	0.00
28.20	8.44	5.32	0.00	30.80	8.44	5.32	0.00
28.25	8.44	5.32	0.00	30.85	8.44	5.32	0.00
28.30	8.44	5.32	0.00	30.90	8.44	5.32	0.00
28.35	8.44	5.32	0.00	30.95	8.44	5.32	0.00
28.40	8.44	5.32	0.00	31.00	8.44	5.32	0.00
28.45	8.44	5.32	0.00	31.05	8.44	5.32	0.00
28.50	8.44	5.32	0.00	31.10	8.44	5.32	0.00
28.55	8.44	5.32	0.00	31.15	8.44	5.32	0.00

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	5.32	0.00	33.80	8.44	5.32	0.00
31.25	8.44	5.32	0.00	33.85	8.44	5.32	0.00
31.30	8.44	5.32	0.00	33.90	8.44	5.32	0.00
31.35	8.44	5.32	0.00	33.95	8.44	5.32	0.00
31.40	8.44	5.32	0.00	34.00	8.44	5.32	0.00
31.45	8.44	5.32	0.00	34.05	8.44	5.32	0.00
31.50	8.44	5.32	0.00	34.10	8.44	5.32	0.00
31.55	8.44	5.32	0.00	34.15	8.44	5.32	0.00
31.60	8.44	5.32	0.00	34.20	8.44	5.32	0.00
31.65	8.44	5.32	0.00	34.25	8.44	5.32	0.00
31.70	8.44	5.32	0.00	34.30	8.44	5.32	0.00
31.75	8.44	5.32	0.00	34.35	8.44	5.32	0.00
31.80	8.44	5.32	0.00	34.40	8.44	5.32	0.00
31.85	8.44	5.32	0.00	34.45	8.44	5.32	0.00
31.90	8.44	5.32	0.00	34.50	8.44	5.32	0.00
31.95	8.44	5.32	0.00	34.55	8.44	5.32	0.00
32.00	8.44	5.32	0.00	34.60	8.44	5.32	0.00
32.05	8.44	5.32	0.00	34.65	8.44	5.32	0.00
32.10	8.44	5.32	0.00	34.70	8.44	5.32	0.00
32.15	8.44	5.32	0.00	34.75	8.44	5.32	0.00
32.20	8.44	5.32	0.00	34.80	8.44	5.32	0.00
32.25	8.44	5.32	0.00	34.85	8.44	5.32	0.00
32.30	8.44	5.32	0.00	34.90	8.44	5.32	0.00
32.35	8.44	5.32	0.00	34.95	8.44	5.32	0.00
32.40	8.44	5.32	0.00	35.00	8.44	5.32	0.00
32.45	8.44	5.32	0.00	35.05	8.44	5.32	0.00
32.50	8.44	5.32	0.00	35.10	8.44	5.32	0.00
32.55	8.44	5.32	0.00	35.15	8.44	5.32	0.00
32.60	8.44	5.32	0.00	35.20	8.44	5.32	0.00
32.65	8.44	5.32	0.00	35.25	8.44	5.32	0.00
32.70	8.44	5.32	0.00	35.30	8.44	5.32	0.00
32.75	8.44	5.32	0.00	35.35	8.44	5.32	0.00
32.80	8.44	5.32	0.00	35.40	8.44	5.32	0.00
32.85	8.44	5.32	0.00	35.45	8.44	5.32	0.00
32.90	8.44	5.32	0.00	35.50	8.44	5.32	0.00
32.95	8.44	5.32	0.00	35.55	8.44	5.32	0.00
33.00	8.44	5.32	0.00	35.60	8.44	5.32	0.00
33.05	8.44	5.32	0.00	35.65	8.44	5.32	0.00
33.10	8.44	5.32	0.00	35.70	8.44	5.32	0.00
33.15	8.44	5.32	0.00	35.75	8.44	5.32	0.00
33.20	8.44	5.32	0.00	35.80	8.44	5.32	0.00
33.25	8.44	5.32	0.00	35.85	8.44	5.32	0.00
33.30	8.44	5.32	0.00	35.90	8.44	5.32	0.00
33.35	8.44	5.32	0.00	35.95	8.44	5.32	0.00
33.40	8.44	5.32	0.00	36.00	8.44	5.32	0.00
33.45	8.44	5.32	0.00	36.05	8.44	5.32	0.00
33.50	8.44	5.32	0.00	36.10	8.44	5.32	0.00
33.55	8.44	5.32	0.00	36.15	8.44	5.32	0.00
33.60	8.44	5.32	0.00	36.20	8.44	5.32	0.00
33.65	8.44	5.32	0.00	36.25	8.44	5.32	0.00
33.70	8.44	5.32	0.00	36.30	8.44	5.32	0.00
33.75	8.44	5.32	0.00	36.35	8.44	5.32	0.00

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	5.32	0.00
36.45	8.44	5.32	0.00
36.50	8.44	5.32	0.00
36.55	8.44	5.32	0.00
36.60	8.44	5.32	0.00
36.65	8.44	5.32	0.00
36.70	8.44	5.32	0.00
36.75	8.44	5.32	0.00
36.80	8.44	5.32	0.00
36.85	8.44	5.32	0.00
36.90	8.44	5.32	0.00
36.95	8.44	5.32	0.00
37.00	8.44	5.32	0.00
37.05	8.44	5.32	0.00
37.10	8.44	5.32	0.00
37.15	8.44	5.32	0.00
37.20	8.44	5.32	0.00
37.25	8.44	5.32	0.00
37.30	8.44	5.32	0.00
37.35	8.44	5.32	0.00
37.40	8.44	5.32	0.00
37.45	8.44	5.32	0.00
37.50	8.44	5.32	0.00
37.55	8.44	5.32	0.00
37.60	8.44	5.32	0.00
37.65	8.44	5.32	0.00
37.70	8.44	5.32	0.00
37.75	8.44	5.32	0.00
37.80	8.44	5.32	0.00
37.85	8.44	5.32	0.00
37.90	8.44	5.32	0.00
37.95	8.44	5.32	0.00
38.00	8.44	5.32	0.00
38.05	8.44	5.32	0.00
38.10	8.44	5.32	0.00
38.15	8.44	5.32	0.00
38.20	8.44	5.32	0.00
38.25	8.44	5.32	0.00
38.30	8.44	5.32	0.00
38.35	8.44	5.32	0.00
38.40	8.44	5.32	0.00
38.45	8.44	5.32	0.00
38.50	8.44	5.32	0.00
38.55	8.44	5.32	0.00
38.60	8.44	5.32	0.00
38.65	8.44	5.32	0.00
38.70	8.44	5.32	0.00
38.75	8.44	5.32	0.00
38.80	8.44	5.32	0.00
38.85	8.44	5.32	0.00
38.90	8.44	5.32	0.00
38.95	8.44	5.32	0.00
39.00	8.44	5.32	0.00
39.05	8.44	5.32	0.00
39.10	8.44	5.32	0.00
39.15	8.44	5.32	0.00
39.20	8.44	5.32	0.00
39.25	8.44	5.32	0.00
39.30	8.44	5.32	0.00
39.35	8.44	5.32	0.00
39.40	8.44	5.32	0.00
39.45	8.44	5.32	0.00
39.50	8.44	5.32	0.00
39.55	8.44	5.32	0.00
39.60	8.44	5.32	0.00
39.65	8.44	5.32	0.00
39.70	8.44	5.32	0.00
39.75	8.44	5.32	0.00
39.80	8.44	5.32	0.00
39.85	8.44	5.32	0.00
39.90	8.44	5.32	0.00
39.95	8.44	5.32	0.00
40.00	8.44	5.32	0.00

Summary for Subcatchment 56l: PDA-56 (impervious)

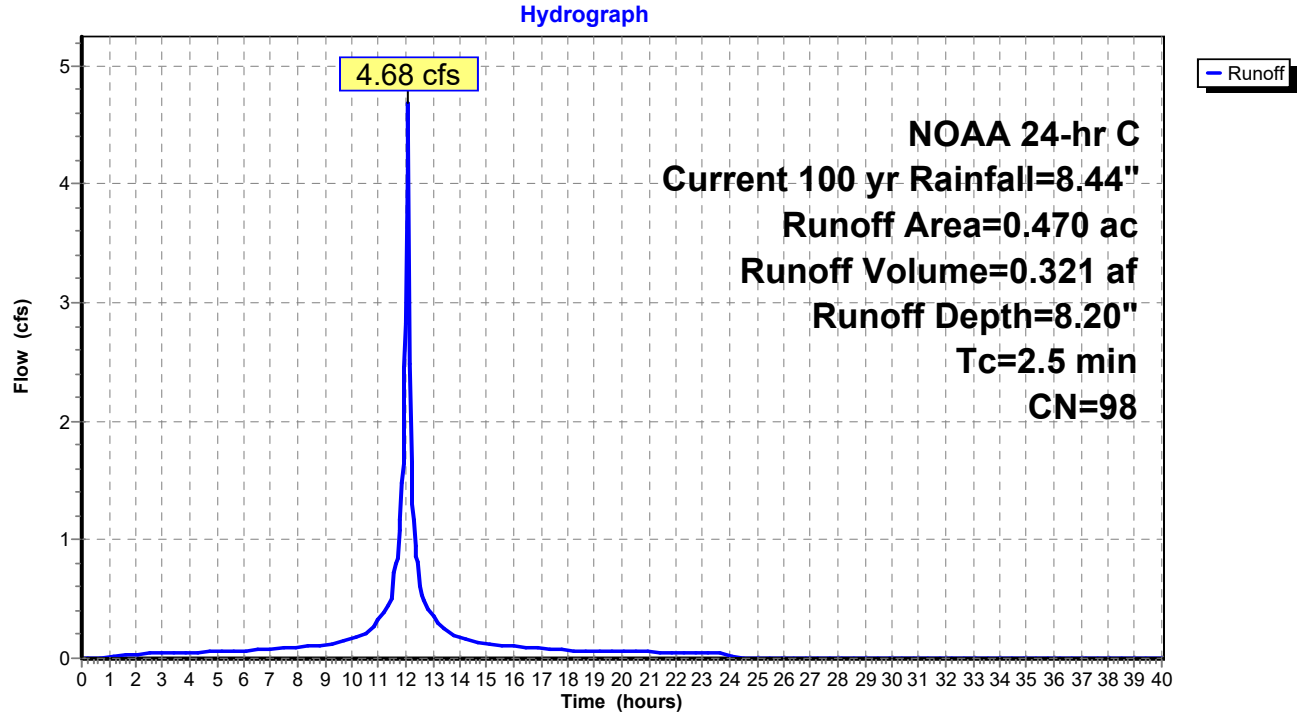
Runoff = 4.68 cfs @ 12.08 hrs, Volume= 0.321 af, Depth= 8.20"
Routed to Pond B-56 : Basin #56

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

	Area (ac)	CN	Description
*	0.470	98	Roof, HSG C
	0.470		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.5					**Direct Entry,**

Subcatchment 56l: PDA-56 (impervious)



Hydrograph for Subcatchment 56I: PDA-56 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.11	0.04
0.05	0.01	0.00	0.00	2.65	0.26	0.11	0.04
0.10	0.01	0.00	0.00	2.70	0.26	0.12	0.04
0.15	0.02	0.00	0.00	2.75	0.27	0.12	0.04
0.20	0.02	0.00	0.00	2.80	0.28	0.13	0.04
0.25	0.02	0.00	0.00	2.85	0.28	0.13	0.04
0.30	0.03	0.00	0.00	2.90	0.29	0.13	0.04
0.35	0.03	0.00	0.00	2.95	0.29	0.14	0.04
0.40	0.04	0.00	0.00	3.00	0.30	0.14	0.04
0.45	0.04	0.00	0.00	3.05	0.30	0.15	0.04
0.50	0.05	0.00	0.00	3.10	0.31	0.15	0.04
0.55	0.05	0.00	0.00	3.15	0.31	0.16	0.04
0.60	0.06	0.00	0.00	3.20	0.32	0.16	0.04
0.65	0.06	0.00	0.01	3.25	0.33	0.17	0.04
0.70	0.06	0.00	0.01	3.30	0.33	0.17	0.04
0.75	0.07	0.00	0.01	3.35	0.34	0.18	0.04
0.80	0.07	0.00	0.01	3.40	0.34	0.18	0.05
0.85	0.08	0.01	0.01	3.45	0.35	0.19	0.05
0.90	0.08	0.01	0.01	3.50	0.35	0.19	0.05
0.95	0.09	0.01	0.01	3.55	0.36	0.19	0.05
1.00	0.09	0.01	0.02	3.60	0.37	0.20	0.05
1.05	0.10	0.01	0.02	3.65	0.37	0.20	0.05
1.10	0.10	0.01	0.02	3.70	0.38	0.21	0.05
1.15	0.11	0.02	0.02	3.75	0.38	0.21	0.05
1.20	0.11	0.02	0.02	3.80	0.39	0.22	0.05
1.25	0.12	0.02	0.02	3.85	0.40	0.22	0.05
1.30	0.12	0.02	0.02	3.90	0.40	0.23	0.05
1.35	0.13	0.02	0.02	3.95	0.41	0.24	0.05
1.40	0.13	0.03	0.02	4.00	0.41	0.24	0.05
1.45	0.14	0.03	0.02	4.05	0.42	0.25	0.05
1.50	0.14	0.03	0.03	4.10	0.43	0.25	0.05
1.55	0.15	0.04	0.03	4.15	0.43	0.26	0.05
1.60	0.15	0.04	0.03	4.20	0.44	0.26	0.05
1.65	0.16	0.04	0.03	4.25	0.44	0.27	0.05
1.70	0.16	0.04	0.03	4.30	0.45	0.27	0.05
1.75	0.17	0.05	0.03	4.35	0.46	0.28	0.05
1.80	0.17	0.05	0.03	4.40	0.46	0.28	0.05
1.85	0.18	0.05	0.03	4.45	0.47	0.29	0.05
1.90	0.18	0.06	0.03	4.50	0.47	0.29	0.05
1.95	0.19	0.06	0.03	4.55	0.48	0.30	0.05
2.00	0.19	0.06	0.03	4.60	0.49	0.31	0.05
2.05	0.20	0.07	0.03	4.65	0.49	0.31	0.05
2.10	0.20	0.07	0.03	4.70	0.50	0.32	0.05
2.15	0.21	0.07	0.03	4.75	0.51	0.32	0.05
2.20	0.21	0.08	0.03	4.80	0.51	0.33	0.05
2.25	0.22	0.08	0.04	4.85	0.52	0.33	0.05
2.30	0.22	0.09	0.04	4.90	0.52	0.34	0.05
2.35	0.23	0.09	0.04	4.95	0.53	0.35	0.05
2.40	0.23	0.09	0.04	5.00	0.54	0.35	0.06
2.45	0.24	0.10	0.04	5.05	0.54	0.36	0.06
2.50	0.24	0.10	0.04	5.10	0.55	0.36	0.06
2.55	0.25	0.10	0.04	5.15	0.56	0.37	0.06

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.38	0.06	7.80	0.97	0.76	0.09
5.25	0.57	0.38	0.06	7.85	0.98	0.77	0.09
5.30	0.58	0.39	0.06	7.90	0.99	0.78	0.09
5.35	0.58	0.39	0.06	7.95	1.00	0.79	0.09
5.40	0.59	0.40	0.06	8.00	1.01	0.80	0.09
5.45	0.60	0.41	0.06	8.05	1.02	0.81	0.09
5.50	0.60	0.41	0.06	8.10	1.03	0.82	0.09
5.55	0.61	0.42	0.06	8.15	1.04	0.83	0.10
5.60	0.62	0.42	0.06	8.20	1.05	0.84	0.10
5.65	0.62	0.43	0.06	8.25	1.06	0.85	0.10
5.70	0.63	0.44	0.06	8.30	1.07	0.86	0.10
5.75	0.64	0.44	0.06	8.35	1.08	0.87	0.10
5.80	0.64	0.45	0.06	8.40	1.10	0.88	0.10
5.85	0.65	0.45	0.06	8.45	1.11	0.89	0.10
5.90	0.66	0.46	0.06	8.50	1.12	0.91	0.10
5.95	0.66	0.47	0.06	8.55	1.13	0.92	0.10
6.00	0.67	0.47	0.06	8.60	1.14	0.93	0.10
6.05	0.68	0.48	0.06	8.65	1.15	0.94	0.10
6.10	0.68	0.49	0.06	8.70	1.16	0.95	0.11
6.15	0.69	0.49	0.06	8.75	1.17	0.96	0.11
6.20	0.70	0.50	0.06	8.80	1.19	0.97	0.11
6.25	0.70	0.51	0.06	8.85	1.20	0.98	0.11
6.30	0.71	0.51	0.07	8.90	1.21	0.99	0.11
6.35	0.72	0.52	0.07	8.95	1.22	1.01	0.11
6.40	0.73	0.53	0.07	9.00	1.23	1.02	0.11
6.45	0.73	0.54	0.07	9.05	1.25	1.03	0.11
6.50	0.74	0.54	0.07	9.10	1.26	1.04	0.12
6.55	0.75	0.55	0.07	9.15	1.27	1.05	0.12
6.60	0.76	0.56	0.07	9.20	1.28	1.07	0.12
6.65	0.77	0.57	0.07	9.25	1.30	1.08	0.13
6.70	0.77	0.57	0.07	9.30	1.31	1.09	0.13
6.75	0.78	0.58	0.07	9.35	1.33	1.11	0.13
6.80	0.79	0.59	0.07	9.40	1.34	1.12	0.13
6.85	0.80	0.60	0.07	9.45	1.35	1.14	0.14
6.90	0.81	0.60	0.08	9.50	1.37	1.15	0.14
6.95	0.81	0.61	0.08	9.55	1.39	1.17	0.14
7.00	0.82	0.62	0.08	9.60	1.40	1.18	0.15
7.05	0.83	0.63	0.08	9.65	1.42	1.20	0.15
7.10	0.84	0.64	0.08	9.70	1.43	1.21	0.15
7.15	0.85	0.65	0.08	9.75	1.45	1.23	0.16
7.20	0.86	0.65	0.08	9.80	1.47	1.25	0.16
7.25	0.87	0.66	0.08	9.85	1.49	1.27	0.16
7.30	0.88	0.67	0.08	9.90	1.50	1.28	0.16
7.35	0.89	0.68	0.08	9.95	1.52	1.30	0.17
7.40	0.89	0.69	0.08	10.00	1.54	1.32	0.17
7.45	0.90	0.70	0.08	10.05	1.56	1.34	0.17
7.50	0.91	0.71	0.09	10.10	1.58	1.36	0.18
7.55	0.92	0.72	0.09	10.15	1.60	1.37	0.18
7.60	0.93	0.73	0.09	10.20	1.62	1.39	0.18
7.65	0.94	0.73	0.09	10.25	1.64	1.41	0.19
7.70	0.95	0.74	0.09	10.30	1.66	1.43	0.19
7.75	0.96	0.75	0.09	10.35	1.68	1.45	0.19

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	1.47	0.19	13.00	6.41	6.18	0.36
10.45	1.72	1.50	0.20	13.05	6.45	6.21	0.33
10.50	1.74	1.52	0.20	13.10	6.48	6.24	0.32
10.55	1.76	1.54	0.22	13.15	6.51	6.27	0.30
10.60	1.79	1.56	0.22	13.20	6.54	6.30	0.29
10.65	1.81	1.59	0.24	13.25	6.57	6.33	0.28
10.70	1.84	1.62	0.25	13.30	6.60	6.36	0.27
10.75	1.87	1.64	0.26	13.35	6.63	6.39	0.25
10.80	1.90	1.67	0.27	13.40	6.65	6.41	0.25
10.85	1.93	1.70	0.28	13.45	6.68	6.44	0.23
10.90	1.96	1.73	0.29	13.50	6.70	6.46	0.22
10.95	1.99	1.77	0.31	13.55	6.72	6.48	0.21
11.00	2.03	1.80	0.32	13.60	6.74	6.50	0.20
11.05	2.06	1.84	0.34	13.65	6.76	6.53	0.20
11.10	2.10	1.87	0.36	13.70	6.78	6.55	0.20
11.15	2.14	1.92	0.39	13.75	6.80	6.57	0.19
11.20	2.19	1.96	0.40	13.80	6.82	6.59	0.19
11.25	2.23	2.01	0.43	13.85	6.84	6.61	0.19
11.30	2.28	2.05	0.44	13.90	6.86	6.62	0.18
11.35	2.33	2.10	0.47	13.95	6.88	6.64	0.18
11.40	2.38	2.16	0.49	14.00	6.90	6.66	0.18
11.45	2.44	2.21	0.51	14.05	6.92	6.68	0.17
11.50	2.49	2.26	0.53	14.10	6.94	6.70	0.17
11.55	2.58	2.35	0.72	14.15	6.95	6.72	0.17
11.60	2.66	2.43	0.80	14.20	6.97	6.73	0.17
11.65	2.75	2.52	0.83	14.25	6.99	6.75	0.16
11.70	2.84	2.61	0.86	14.30	7.01	6.77	0.16
11.75	2.97	2.74	1.07	14.35	7.02	6.78	0.16
11.80	3.09	2.86	1.17	14.40	7.04	6.80	0.15
11.85	3.26	3.03	1.49	14.45	7.05	6.82	0.15
11.90	3.43	3.20	1.64	14.50	7.07	6.83	0.15
11.95	3.73	3.49	2.45	14.55	7.09	6.85	0.14
12.00	4.02	3.79	2.82	14.60	7.10	6.86	0.14
12.05	4.52	4.28	4.12	14.65	7.11	6.88	0.14
12.10	5.01	4.77	**4.55**	14.70	7.13	6.89	0.14
12.15	5.18	4.94	2.49	14.75	7.14	6.90	0.13
12.20	5.35	5.11	1.65	14.80	7.16	6.92	0.13
12.25	5.47	5.24	1.30	14.85	7.17	6.93	0.13
12.30	5.60	5.36	1.16	14.90	7.18	6.94	0.12
12.35	5.69	5.45	0.94	14.95	7.19	6.96	0.12
12.40	5.78	5.54	0.85	15.00	7.21	6.97	0.12
12.45	5.86	5.62	0.82	15.05	7.22	6.98	0.11
12.50	5.95	5.71	0.80	15.10	7.23	6.99	0.11
12.55	6.00	5.76	0.60	15.15	7.24	7.00	0.11
12.60	6.06	5.82	0.52	15.20	7.25	7.02	0.11
12.65	6.11	5.87	0.50	15.25	7.27	7.03	0.11
12.70	6.16	5.92	0.49	15.30	7.28	7.04	0.11
12.75	6.21	5.97	0.46	15.35	7.29	7.05	0.11
12.80	6.25	6.02	0.44	15.40	7.30	7.06	0.11
12.85	6.30	6.06	0.41	15.45	7.31	7.07	0.11
12.90	6.34	6.10	0.40	15.50	7.32	7.08	0.11
12.95	6.38	6.14	0.37	15.55	7.33	7.09	0.10

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	7.10	0.10	18.20	7.80	7.56	0.06
15.65	7.36	7.12	0.10	18.25	7.80	7.57	0.06
15.70	7.37	7.13	0.10	18.30	7.81	7.57	0.06
15.75	7.38	7.14	0.10	18.35	7.82	7.58	0.06
15.80	7.39	7.15	0.10	18.40	7.82	7.59	0.06
15.85	7.40	7.16	0.10	18.45	7.83	7.59	0.06
15.90	7.41	7.17	0.10	18.50	7.84	7.60	0.06
15.95	7.42	7.18	0.10	18.55	7.84	7.61	0.06
16.00	7.43	7.19	0.10	18.60	7.85	7.61	0.06
16.05	7.44	7.20	0.10	18.65	7.86	7.62	0.06
16.10	7.45	7.21	0.10	18.70	7.86	7.62	0.06
16.15	7.46	7.22	0.10	18.75	7.87	7.63	0.06
16.20	7.47	7.23	0.09	18.80	7.88	7.64	0.06
16.25	7.48	7.24	0.09	18.85	7.88	7.64	0.06
16.30	7.49	7.25	0.09	18.90	7.89	7.65	0.06
16.35	7.50	7.26	0.09	18.95	7.90	7.66	0.06
16.40	7.51	7.27	0.09	19.00	7.90	7.66	0.06
16.45	7.52	7.28	0.09	19.05	7.91	7.67	0.06
16.50	7.53	7.29	0.09	19.10	7.92	7.68	0.06
16.55	7.54	7.30	0.09	19.15	7.92	7.68	0.06
16.60	7.55	7.31	0.09	19.20	7.93	7.69	0.06
16.65	7.55	7.32	0.09	19.25	7.93	7.70	0.06
16.70	7.56	7.32	0.09	19.30	7.94	7.70	0.06
16.75	7.57	7.33	0.09	19.35	7.95	7.71	0.06
16.80	7.58	7.34	0.08	19.40	7.95	7.71	0.06
16.85	7.59	7.35	0.08	19.45	7.96	7.72	0.06
16.90	7.60	7.36	0.08	19.50	7.97	7.73	0.06
16.95	7.61	7.37	0.08	19.55	7.97	7.73	0.06
17.00	7.62	7.38	0.08	19.60	7.98	7.74	0.06
17.05	7.63	7.39	0.08	19.65	7.98	7.74	0.06
17.10	7.63	7.39	0.08	19.70	7.99	7.75	0.06
17.15	7.64	7.40	0.08	19.75	8.00	7.76	0.06
17.20	7.65	7.41	0.08	19.80	8.00	7.76	0.06
17.25	7.66	7.42	0.08	19.85	8.01	7.77	0.06
17.30	7.67	7.43	0.08	19.90	8.01	7.78	0.06
17.35	7.67	7.43	0.08	19.95	8.02	7.78	0.06
17.40	7.68	7.44	0.08	20.00	8.03	7.79	0.06
17.45	7.69	7.45	0.07	20.05	8.03	7.79	0.06
17.50	7.70	7.46	0.07	20.10	8.04	7.80	0.06
17.55	7.71	7.47	0.07	20.15	8.04	7.80	0.06
17.60	7.71	7.47	0.07	20.20	8.05	7.81	0.06
17.65	7.72	7.48	0.07	20.25	8.06	7.82	0.06
17.70	7.73	7.49	0.07	20.30	8.06	7.82	0.06
17.75	7.74	7.50	0.07	20.35	8.07	7.83	0.06
17.80	7.74	7.50	0.07	20.40	8.07	7.83	0.06
17.85	7.75	7.51	0.07	20.45	8.08	7.84	0.05
17.90	7.76	7.52	0.07	20.50	8.09	7.85	0.05
17.95	7.76	7.52	0.07	20.55	8.09	7.85	0.05
18.00	7.77	7.53	0.07	20.60	8.10	7.86	0.05
18.05	7.78	7.54	0.06	20.65	8.10	7.86	0.05
18.10	7.78	7.55	0.06	20.70	8.11	7.87	0.05
18.15	7.79	7.55	0.06	20.75	8.11	7.87	0.05

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	7.88	0.05	23.40	8.38	8.14	0.04
20.85	8.13	7.89	0.05	23.45	8.39	8.15	0.04
20.90	8.13	7.89	0.05	23.50	8.39	8.15	0.04
20.95	8.14	7.90	0.05	23.55	8.40	8.16	0.04
21.00	8.14	7.90	0.05	23.60	8.40	8.16	0.04
21.05	8.15	7.91	0.05	23.65	8.41	8.17	0.04
21.10	8.15	7.91	0.05	23.70	8.41	8.17	0.04
21.15	8.16	7.92	0.05	23.75	8.42	8.18	0.04
21.20	8.16	7.92	0.05	23.80	8.42	8.18	0.04
21.25	8.17	7.93	0.05	23.85	8.42	8.18	0.04
21.30	8.18	7.94	0.05	23.90	8.43	8.19	0.04
21.35	8.18	7.94	0.05	23.95	8.43	8.19	0.05
21.40	8.19	7.95	0.05	24.00	**8.44**	**8.20**	0.05
21.45	8.19	7.95	0.05	24.05	8.44	8.20	0.01
21.50	8.20	7.96	0.05	24.10	8.44	8.20	0.00
21.55	8.20	7.96	0.05	24.15	8.44	8.20	0.00
21.60	8.21	7.97	0.05	24.20	8.44	8.20	0.00
21.65	8.21	7.97	0.05	24.25	8.44	8.20	0.00
21.70	8.22	7.98	0.05	24.30	8.44	8.20	0.00
21.75	8.22	7.98	0.05	24.35	8.44	8.20	0.00
21.80	8.23	7.99	0.05	24.40	8.44	8.20	0.00
21.85	8.23	7.99	0.05	24.45	8.44	8.20	0.00
21.90	8.24	8.00	0.05	24.50	8.44	8.20	0.00
21.95	8.24	8.00	0.05	24.55	8.44	8.20	0.00
22.00	8.25	8.01	0.05	24.60	8.44	8.20	0.00
22.05	8.25	8.01	0.05	24.65	8.44	8.20	0.00
22.10	8.26	8.02	0.05	24.70	8.44	8.20	0.00
22.15	8.26	8.02	0.05	24.75	8.44	8.20	0.00
22.20	8.27	8.03	0.05	24.80	8.44	8.20	0.00
22.25	8.27	8.03	0.05	24.85	8.44	8.20	0.00
22.30	8.28	8.04	0.05	24.90	8.44	8.20	0.00
22.35	8.28	8.04	0.05	24.95	8.44	8.20	0.00
22.40	8.29	8.05	0.05	25.00	8.44	8.20	0.00
22.45	8.29	8.05	0.05	25.05	8.44	8.20	0.00
22.50	8.30	8.06	0.05	25.10	8.44	8.20	0.00
22.55	8.30	8.06	0.05	25.15	8.44	8.20	0.00
22.60	8.31	8.07	0.05	25.20	8.44	8.20	0.00
22.65	8.31	8.07	0.05	25.25	8.44	8.20	0.00
22.70	8.32	8.08	0.05	25.30	8.44	8.20	0.00
22.75	8.32	8.08	0.05	25.35	8.44	8.20	0.00
22.80	8.33	8.09	0.05	25.40	8.44	8.20	0.00
22.85	8.33	8.09	0.05	25.45	8.44	8.20	0.00
22.90	8.34	8.10	0.05	25.50	8.44	8.20	0.00
22.95	8.34	8.10	0.05	25.55	8.44	8.20	0.00
23.00	8.35	8.11	0.05	25.60	8.44	8.20	0.00
23.05	8.35	8.11	0.04	25.65	8.44	8.20	0.00
23.10	8.36	8.12	0.04	25.70	8.44	8.20	0.00
23.15	8.36	8.12	0.04	25.75	8.44	8.20	0.00
23.20	8.37	8.13	0.04	25.80	8.44	8.20	0.00
23.25	8.37	8.13	0.04	25.85	8.44	8.20	0.00
23.30	8.38	8.14	0.04	25.90	8.44	8.20	0.00
23.35	8.38	8.14	0.04	25.95	8.44	8.20	0.00

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	8.20	0.00	28.60	8.44	8.20	0.00
26.05	8.44	8.20	0.00	28.65	8.44	8.20	0.00
26.10	8.44	8.20	0.00	28.70	8.44	8.20	0.00
26.15	8.44	8.20	0.00	28.75	8.44	8.20	0.00
26.20	8.44	8.20	0.00	28.80	8.44	8.20	0.00
26.25	8.44	8.20	0.00	28.85	8.44	8.20	0.00
26.30	8.44	8.20	0.00	28.90	8.44	8.20	0.00
26.35	8.44	8.20	0.00	28.95	8.44	8.20	0.00
26.40	8.44	8.20	0.00	29.00	8.44	8.20	0.00
26.45	8.44	8.20	0.00	29.05	8.44	8.20	0.00
26.50	8.44	8.20	0.00	29.10	8.44	8.20	0.00
26.55	8.44	8.20	0.00	29.15	8.44	8.20	0.00
26.60	8.44	8.20	0.00	29.20	8.44	8.20	0.00
26.65	8.44	8.20	0.00	29.25	8.44	8.20	0.00
26.70	8.44	8.20	0.00	29.30	8.44	8.20	0.00
26.75	8.44	8.20	0.00	29.35	8.44	8.20	0.00
26.80	8.44	8.20	0.00	29.40	8.44	8.20	0.00
26.85	8.44	8.20	0.00	29.45	8.44	8.20	0.00
26.90	8.44	8.20	0.00	29.50	8.44	8.20	0.00
26.95	8.44	8.20	0.00	29.55	8.44	8.20	0.00
27.00	8.44	8.20	0.00	29.60	8.44	8.20	0.00
27.05	8.44	8.20	0.00	29.65	8.44	8.20	0.00
27.10	8.44	8.20	0.00	29.70	8.44	8.20	0.00
27.15	8.44	8.20	0.00	29.75	8.44	8.20	0.00
27.20	8.44	8.20	0.00	29.80	8.44	8.20	0.00
27.25	8.44	8.20	0.00	29.85	8.44	8.20	0.00
27.30	8.44	8.20	0.00	29.90	8.44	8.20	0.00
27.35	8.44	8.20	0.00	29.95	8.44	8.20	0.00
27.40	8.44	8.20	0.00	30.00	8.44	8.20	0.00
27.45	8.44	8.20	0.00	30.05	8.44	8.20	0.00
27.50	8.44	8.20	0.00	30.10	8.44	8.20	0.00
27.55	8.44	8.20	0.00	30.15	8.44	8.20	0.00
27.60	8.44	8.20	0.00	30.20	8.44	8.20	0.00
27.65	8.44	8.20	0.00	30.25	8.44	8.20	0.00
27.70	8.44	8.20	0.00	30.30	8.44	8.20	0.00
27.75	8.44	8.20	0.00	30.35	8.44	8.20	0.00
27.80	8.44	8.20	0.00	30.40	8.44	8.20	0.00
27.85	8.44	8.20	0.00	30.45	8.44	8.20	0.00
27.90	8.44	8.20	0.00	30.50	8.44	8.20	0.00
27.95	8.44	8.20	0.00	30.55	8.44	8.20	0.00
28.00	8.44	8.20	0.00	30.60	8.44	8.20	0.00
28.05	8.44	8.20	0.00	30.65	8.44	8.20	0.00
28.10	8.44	8.20	0.00	30.70	8.44	8.20	0.00
28.15	8.44	8.20	0.00	30.75	8.44	8.20	0.00
28.20	8.44	8.20	0.00	30.80	8.44	8.20	0.00
28.25	8.44	8.20	0.00	30.85	8.44	8.20	0.00
28.30	8.44	8.20	0.00	30.90	8.44	8.20	0.00
28.35	8.44	8.20	0.00	30.95	8.44	8.20	0.00
28.40	8.44	8.20	0.00	31.00	8.44	8.20	0.00
28.45	8.44	8.20	0.00	31.05	8.44	8.20	0.00
28.50	8.44	8.20	0.00	31.10	8.44	8.20	0.00
28.55	8.44	8.20	0.00	31.15	8.44	8.20	0.00

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	8.20	0.00	33.80	8.44	8.20	0.00
31.25	8.44	8.20	0.00	33.85	8.44	8.20	0.00
31.30	8.44	8.20	0.00	33.90	8.44	8.20	0.00
31.35	8.44	8.20	0.00	33.95	8.44	8.20	0.00
31.40	8.44	8.20	0.00	34.00	8.44	8.20	0.00
31.45	8.44	8.20	0.00	34.05	8.44	8.20	0.00
31.50	8.44	8.20	0.00	34.10	8.44	8.20	0.00
31.55	8.44	8.20	0.00	34.15	8.44	8.20	0.00
31.60	8.44	8.20	0.00	34.20	8.44	8.20	0.00
31.65	8.44	8.20	0.00	34.25	8.44	8.20	0.00
31.70	8.44	8.20	0.00	34.30	8.44	8.20	0.00
31.75	8.44	8.20	0.00	34.35	8.44	8.20	0.00
31.80	8.44	8.20	0.00	34.40	8.44	8.20	0.00
31.85	8.44	8.20	0.00	34.45	8.44	8.20	0.00
31.90	8.44	8.20	0.00	34.50	8.44	8.20	0.00
31.95	8.44	8.20	0.00	34.55	8.44	8.20	0.00
32.00	8.44	8.20	0.00	34.60	8.44	8.20	0.00
32.05	8.44	8.20	0.00	34.65	8.44	8.20	0.00
32.10	8.44	8.20	0.00	34.70	8.44	8.20	0.00
32.15	8.44	8.20	0.00	34.75	8.44	8.20	0.00
32.20	8.44	8.20	0.00	34.80	8.44	8.20	0.00
32.25	8.44	8.20	0.00	34.85	8.44	8.20	0.00
32.30	8.44	8.20	0.00	34.90	8.44	8.20	0.00
32.35	8.44	8.20	0.00	34.95	8.44	8.20	0.00
32.40	8.44	8.20	0.00	35.00	8.44	8.20	0.00
32.45	8.44	8.20	0.00	35.05	8.44	8.20	0.00
32.50	8.44	8.20	0.00	35.10	8.44	8.20	0.00
32.55	8.44	8.20	0.00	35.15	8.44	8.20	0.00
32.60	8.44	8.20	0.00	35.20	8.44	8.20	0.00
32.65	8.44	8.20	0.00	35.25	8.44	8.20	0.00
32.70	8.44	8.20	0.00	35.30	8.44	8.20	0.00
32.75	8.44	8.20	0.00	35.35	8.44	8.20	0.00
32.80	8.44	8.20	0.00	35.40	8.44	8.20	0.00
32.85	8.44	8.20	0.00	35.45	8.44	8.20	0.00
32.90	8.44	8.20	0.00	35.50	8.44	8.20	0.00
32.95	8.44	8.20	0.00	35.55	8.44	8.20	0.00
33.00	8.44	8.20	0.00	35.60	8.44	8.20	0.00
33.05	8.44	8.20	0.00	35.65	8.44	8.20	0.00
33.10	8.44	8.20	0.00	35.70	8.44	8.20	0.00
33.15	8.44	8.20	0.00	35.75	8.44	8.20	0.00
33.20	8.44	8.20	0.00	35.80	8.44	8.20	0.00
33.25	8.44	8.20	0.00	35.85	8.44	8.20	0.00
33.30	8.44	8.20	0.00	35.90	8.44	8.20	0.00
33.35	8.44	8.20	0.00	35.95	8.44	8.20	0.00
33.40	8.44	8.20	0.00	36.00	8.44	8.20	0.00
33.45	8.44	8.20	0.00	36.05	8.44	8.20	0.00
33.50	8.44	8.20	0.00	36.10	8.44	8.20	0.00
33.55	8.44	8.20	0.00	36.15	8.44	8.20	0.00
33.60	8.44	8.20	0.00	36.20	8.44	8.20	0.00
33.65	8.44	8.20	0.00	36.25	8.44	8.20	0.00
33.70	8.44	8.20	0.00	36.30	8.44	8.20	0.00
33.75	8.44	8.20	0.00	36.35	8.44	8.20	0.00

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	8.20	0.00
36.45	8.44	8.20	0.00
36.50	8.44	8.20	0.00
36.55	8.44	8.20	0.00
36.60	8.44	8.20	0.00
36.65	8.44	8.20	0.00
36.70	8.44	8.20	0.00
36.75	8.44	8.20	0.00
36.80	8.44	8.20	0.00
36.85	8.44	8.20	0.00
36.90	8.44	8.20	0.00
36.95	8.44	8.20	0.00
37.00	8.44	8.20	0.00
37.05	8.44	8.20	0.00
37.10	8.44	8.20	0.00
37.15	8.44	8.20	0.00
37.20	8.44	8.20	0.00
37.25	8.44	8.20	0.00
37.30	8.44	8.20	0.00
37.35	8.44	8.20	0.00
37.40	8.44	8.20	0.00
37.45	8.44	8.20	0.00
37.50	8.44	8.20	0.00
37.55	8.44	8.20	0.00
37.60	8.44	8.20	0.00
37.65	8.44	8.20	0.00
37.70	8.44	8.20	0.00
37.75	8.44	8.20	0.00
37.80	8.44	8.20	0.00
37.85	8.44	8.20	0.00
37.90	8.44	8.20	0.00
37.95	8.44	8.20	0.00
38.00	8.44	8.20	0.00
38.05	8.44	8.20	0.00
38.10	8.44	8.20	0.00
38.15	8.44	8.20	0.00
38.20	8.44	8.20	0.00
38.25	8.44	8.20	0.00
38.30	8.44	8.20	0.00
38.35	8.44	8.20	0.00
38.40	8.44	8.20	0.00
38.45	8.44	8.20	0.00
38.50	8.44	8.20	0.00
38.55	8.44	8.20	0.00
38.60	8.44	8.20	0.00
38.65	8.44	8.20	0.00
38.70	8.44	8.20	0.00
38.75	8.44	8.20	0.00
38.80	8.44	8.20	0.00
38.85	8.44	8.20	0.00
38.90	8.44	8.20	0.00
38.95	8.44	8.20	0.00
39.00	8.44	8.20	0.00
39.05	8.44	8.20	0.00
39.10	8.44	8.20	0.00
39.15	8.44	8.20	0.00
39.20	8.44	8.20	0.00
39.25	8.44	8.20	0.00
39.30	8.44	8.20	0.00
39.35	8.44	8.20	0.00
39.40	8.44	8.20	0.00
39.45	8.44	8.20	0.00
39.50	8.44	8.20	0.00
39.55	8.44	8.20	0.00
39.60	8.44	8.20	0.00
39.65	8.44	8.20	0.00
39.70	8.44	8.20	0.00
39.75	8.44	8.20	0.00
39.80	8.44	8.20	0.00
39.85	8.44	8.20	0.00
39.90	8.44	8.20	0.00
39.95	8.44	8.20	0.00
40.00	8.44	8.20	0.00

Summary for Subcatchment 56P: PDA-56 (pervious)

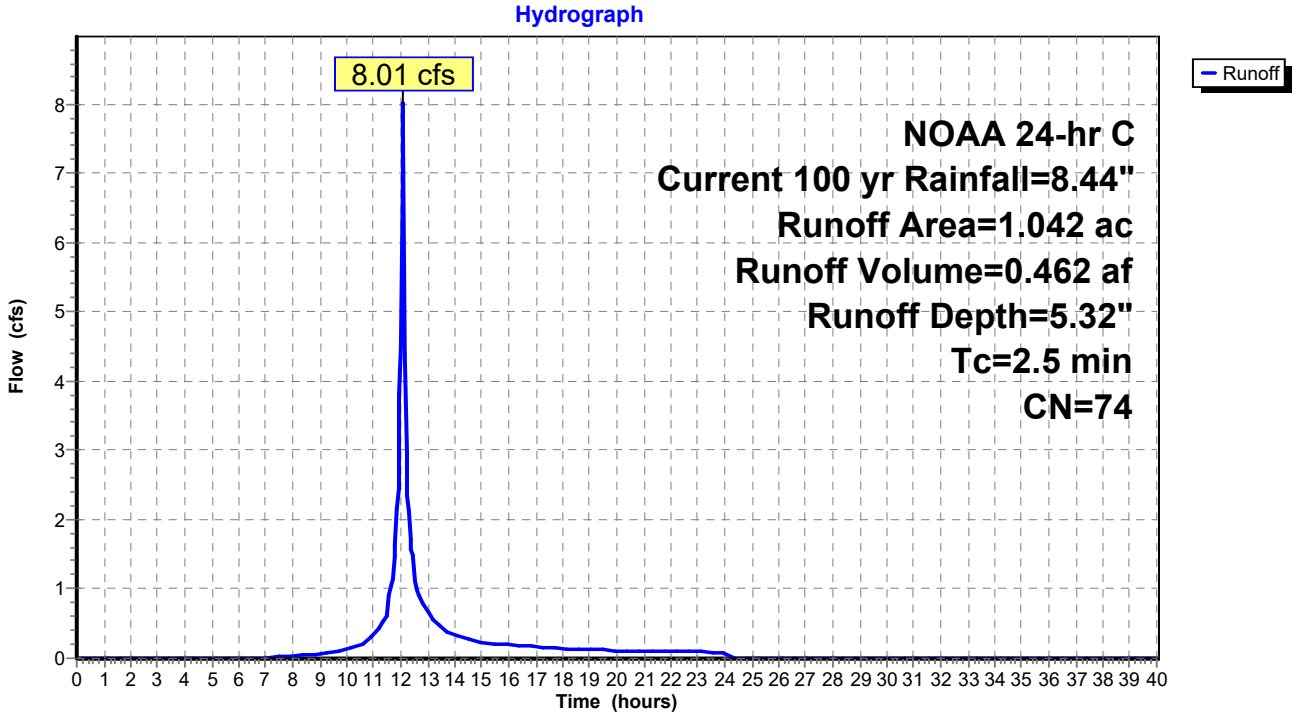
Runoff = 8.01 cfs @ 12.09 hrs, Volume= 0.462 af, Depth= 5.32"
Routed to Pond B-56 : Basin #56

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
1.042	74	>75% Grass cover, Good, HSG C
1.042		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.5					**Direct Entry,**

Subcatchment 56P: PDA-56 (pervious)



Hydrograph for Subcatchment 56P: PDA-56 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.02	0.03
5.25	0.57	0.00	0.00	7.85	0.98	0.02	0.03
5.30	0.58	0.00	0.00	7.90	0.99	0.02	0.03
5.35	0.58	0.00	0.00	7.95	1.00	0.02	0.03
5.40	0.59	0.00	0.00	8.00	1.01	0.02	0.03
5.45	0.60	0.00	0.00	8.05	1.02	0.03	0.03
5.50	0.60	0.00	0.00	8.10	1.03	0.03	0.03
5.55	0.61	0.00	0.00	8.15	1.04	0.03	0.04
5.60	0.62	0.00	0.00	8.20	1.05	0.03	0.04
5.65	0.62	0.00	0.00	8.25	1.06	0.03	0.04
5.70	0.63	0.00	0.00	8.30	1.07	0.04	0.04
5.75	0.64	0.00	0.00	8.35	1.08	0.04	0.04
5.80	0.64	0.00	0.00	8.40	1.10	0.04	0.04
5.85	0.65	0.00	0.00	8.45	1.11	0.04	0.04
5.90	0.66	0.00	0.00	8.50	1.12	0.04	0.05
5.95	0.66	0.00	0.00	8.55	1.13	0.05	0.05
6.00	0.67	0.00	0.00	8.60	1.14	0.05	0.05
6.05	0.68	0.00	0.00	8.65	1.15	0.05	0.05
6.10	0.68	0.00	0.00	8.70	1.16	0.05	0.05
6.15	0.69	0.00	0.00	8.75	1.17	0.06	0.05
6.20	0.70	0.00	0.00	8.80	1.19	0.06	0.05
6.25	0.70	0.00	0.00	8.85	1.20	0.06	0.06
6.30	0.71	0.00	0.00	8.90	1.21	0.06	0.06
6.35	0.72	0.00	0.00	8.95	1.22	0.07	0.06
6.40	0.73	0.00	0.00	9.00	1.23	0.07	0.06
6.45	0.73	0.00	0.00	9.05	1.25	0.07	0.06
6.50	0.74	0.00	0.00	9.10	1.26	0.08	0.07
6.55	0.75	0.00	0.00	9.15	1.27	0.08	0.07
6.60	0.76	0.00	0.00	9.20	1.28	0.08	0.07
6.65	0.77	0.00	0.01	9.25	1.30	0.09	0.08
6.70	0.77	0.00	0.01	9.30	1.31	0.09	0.08
6.75	0.78	0.00	0.01	9.35	1.33	0.09	0.08
6.80	0.79	0.00	0.01	9.40	1.34	0.10	0.08
6.85	0.80	0.00	0.01	9.45	1.35	0.10	0.09
6.90	0.81	0.00	0.01	9.50	1.37	0.11	0.09
6.95	0.81	0.00	0.01	9.55	1.39	0.11	0.10
7.00	0.82	0.00	0.01	9.60	1.40	0.12	0.10
7.05	0.83	0.00	0.01	9.65	1.42	0.12	0.10
7.10	0.84	0.01	0.01	9.70	1.43	0.13	0.11
7.15	0.85	0.01	0.01	9.75	1.45	0.13	0.11
7.20	0.86	0.01	0.01	9.80	1.47	0.14	0.11
7.25	0.87	0.01	0.02	9.85	1.49	0.14	0.12
7.30	0.88	0.01	0.02	9.90	1.50	0.15	0.12
7.35	0.89	0.01	0.02	9.95	1.52	0.15	0.13
7.40	0.89	0.01	0.02	10.00	1.54	0.16	0.13
7.45	0.90	0.01	0.02	10.05	1.56	0.17	0.14
7.50	0.91	0.01	0.02	10.10	1.58	0.17	0.14
7.55	0.92	0.01	0.02	10.15	1.60	0.18	0.15
7.60	0.93	0.01	0.02	10.20	1.62	0.19	0.15
7.65	0.94	0.02	0.02	10.25	1.64	0.20	0.16
7.70	0.95	0.02	0.03	10.30	1.66	0.20	0.16
7.75	0.96	0.02	0.03	10.35	1.68	0.21	0.16

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.22	0.17	13.00	6.41	3.54	0.68
10.45	1.72	0.23	0.18	13.05	6.45	3.57	0.62
10.50	1.74	0.24	0.18	13.10	6.48	3.59	0.60
10.55	1.76	0.25	0.20	13.15	6.51	3.62	0.57
10.60	1.79	0.26	0.21	13.20	6.54	3.65	0.56
10.65	1.81	0.27	0.22	13.25	6.57	3.67	0.53
10.70	1.84	0.28	0.23	13.30	6.60	3.70	0.52
10.75	1.87	0.29	0.25	13.35	6.63	3.72	0.49
10.80	1.90	0.30	0.26	13.40	6.65	3.74	0.47
10.85	1.93	0.32	0.28	13.45	6.68	3.76	0.44
10.90	1.96	0.33	0.29	13.50	6.70	3.78	0.43
10.95	1.99	0.35	0.32	13.55	6.72	3.80	0.40
11.00	2.03	0.36	0.33	13.60	6.74	3.82	0.39
11.05	2.06	0.38	0.37	13.65	6.76	3.84	0.38
11.10	2.10	0.40	0.39	13.70	6.78	3.85	0.38
11.15	2.14	0.42	0.43	13.75	6.80	3.87	0.37
11.20	2.19	0.44	0.45	13.80	6.82	3.89	0.36
11.25	2.23	0.46	0.49	13.85	6.84	3.91	0.36
11.30	2.28	0.49	0.51	13.90	6.86	3.92	0.35
11.35	2.33	0.52	0.56	13.95	6.88	3.94	0.35
11.40	2.38	0.54	0.58	14.00	6.90	3.96	0.34
11.45	2.44	0.57	0.62	14.05	6.92	3.97	0.33
11.50	2.49	0.60	0.65	14.10	6.94	3.99	0.33
11.55	2.58	0.65	0.91	14.15	6.95	4.00	0.32
11.60	2.66	0.70	1.03	14.20	6.97	4.02	0.32
11.65	2.75	0.76	1.10	14.25	6.99	4.03	0.31
11.70	2.84	0.81	1.15	14.30	7.01	4.05	0.31
11.75	2.97	0.89	1.48	14.35	7.02	4.06	0.30
11.80	3.09	0.97	1.65	14.40	7.04	4.08	0.30
11.85	3.26	1.08	2.15	14.45	7.05	4.09	0.29
11.90	3.43	1.19	2.44	14.50	7.07	4.10	0.29
11.95	3.73	1.40	3.78	14.55	7.09	4.12	0.28
12.00	4.02	1.61	4.50	14.60	7.10	4.13	0.28
12.05	4.52	1.98	6.85	14.65	7.11	4.14	0.27
12.10	5.01	2.37	**7.84**	14.70	7.13	4.15	0.26
12.15	5.18	2.51	4.39	14.75	7.14	4.17	0.26
12.20	5.35	2.65	2.96	14.80	7.16	4.18	0.25
12.25	5.47	2.75	2.34	14.85	7.17	4.19	0.24
12.30	5.60	2.85	2.12	14.90	7.18	4.20	0.24
12.35	5.69	2.92	1.72	14.95	7.19	4.21	0.23
12.40	5.78	3.00	1.57	15.00	7.21	4.22	0.23
12.45	5.86	3.07	1.52	15.05	7.22	4.23	0.22
12.50	5.95	3.14	1.49	15.10	7.23	4.24	0.22
12.55	6.00	3.19	1.12	15.15	7.24	4.25	0.22
12.60	6.06	3.23	0.98	15.20	7.25	4.26	0.21
12.65	6.11	3.28	0.93	15.25	7.27	4.27	0.21
12.70	6.16	3.32	0.92	15.30	7.28	4.28	0.21
12.75	6.21	3.36	0.86	15.35	7.29	4.29	0.21
12.80	6.25	3.40	0.84	15.40	7.30	4.30	0.21
12.85	6.30	3.44	0.78	15.45	7.31	4.31	0.21
12.90	6.34	3.47	0.76	15.50	7.32	4.32	0.21
12.95	6.38	3.50	0.70	15.55	7.33	4.33	0.20

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	4.34	0.20	18.20	7.80	4.75	0.13
15.65	7.36	4.35	0.20	18.25	7.80	4.75	0.13
15.70	7.37	4.36	0.20	18.30	7.81	4.76	0.13
15.75	7.38	4.37	0.20	18.35	7.82	4.76	0.13
15.80	7.39	4.38	0.20	18.40	7.82	4.77	0.12
15.85	7.40	4.39	0.20	18.45	7.83	4.78	0.12
15.90	7.41	4.40	0.19	18.50	7.84	4.78	0.12
15.95	7.42	4.41	0.19	18.55	7.84	4.79	0.12
16.00	7.43	4.42	0.19	18.60	7.85	4.79	0.12
16.05	7.44	4.43	0.19	18.65	7.86	4.80	0.12
16.10	7.45	4.44	0.19	18.70	7.86	4.80	0.12
16.15	7.46	4.44	0.19	18.75	7.87	4.81	0.12
16.20	7.47	4.45	0.19	18.80	7.88	4.82	0.12
16.25	7.48	4.46	0.18	18.85	7.88	4.82	0.12
16.30	7.49	4.47	0.18	18.90	7.89	4.83	0.12
16.35	7.50	4.48	0.18	18.95	7.90	4.83	0.12
16.40	7.51	4.49	0.18	19.00	7.90	4.84	0.12
16.45	7.52	4.50	0.18	19.05	7.91	4.84	0.12
16.50	7.53	4.50	0.18	19.10	7.92	4.85	0.12
16.55	7.54	4.51	0.17	19.15	7.92	4.86	0.12
16.60	7.55	4.52	0.17	19.20	7.93	4.86	0.12
16.65	7.55	4.53	0.17	19.25	7.93	4.87	0.12
16.70	7.56	4.54	0.17	19.30	7.94	4.87	0.12
16.75	7.57	4.55	0.17	19.35	7.95	4.88	0.12
16.80	7.58	4.55	0.17	19.40	7.95	4.88	0.12
16.85	7.59	4.56	0.16	19.45	7.96	4.89	0.12
16.90	7.60	4.57	0.16	19.50	7.97	4.90	0.12
16.95	7.61	4.58	0.16	19.55	7.97	4.90	0.12
17.00	7.62	4.58	0.16	19.60	7.98	4.91	0.12
17.05	7.63	4.59	0.16	19.65	7.98	4.91	0.12
17.10	7.63	4.60	0.16	19.70	7.99	4.92	0.11
17.15	7.64	4.61	0.16	19.75	8.00	4.92	0.11
17.20	7.65	4.61	0.15	19.80	8.00	4.93	0.11
17.25	7.66	4.62	0.15	19.85	8.01	4.93	0.11
17.30	7.67	4.63	0.15	19.90	8.01	4.94	0.11
17.35	7.67	4.64	0.15	19.95	8.02	4.94	0.11
17.40	7.68	4.64	0.15	20.00	8.03	4.95	0.11
17.45	7.69	4.65	0.15	20.05	8.03	4.96	0.11
17.50	7.70	4.66	0.15	20.10	8.04	4.96	0.11
17.55	7.71	4.66	0.14	20.15	8.04	4.97	0.11
17.60	7.71	4.67	0.14	20.20	8.05	4.97	0.11
17.65	7.72	4.68	0.14	20.25	8.06	4.98	0.11
17.70	7.73	4.68	0.14	20.30	8.06	4.98	0.11
17.75	7.74	4.69	0.14	20.35	8.07	4.99	0.11
17.80	7.74	4.70	0.14	20.40	8.07	4.99	0.11
17.85	7.75	4.70	0.13	20.45	8.08	5.00	0.11
17.90	7.76	4.71	0.13	20.50	8.09	5.00	0.11
17.95	7.76	4.72	0.13	20.55	8.09	5.01	0.11
18.00	7.77	4.72	0.13	20.60	8.10	5.01	0.11
18.05	7.78	4.73	0.13	20.65	8.10	5.02	0.11
18.10	7.78	4.73	0.13	20.70	8.11	5.02	0.11
18.15	7.79	4.74	0.13	20.75	8.11	5.03	0.11

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	5.03	0.11	23.40	8.38	5.27	0.09
20.85	8.13	5.04	0.11	23.45	8.39	5.28	0.09
20.90	8.13	5.04	0.11	23.50	8.39	5.28	0.09
20.95	8.14	5.05	0.11	23.55	8.40	5.28	0.08
21.00	8.14	5.05	0.10	23.60	8.40	5.29	0.08
21.05	8.15	5.06	0.10	23.65	8.41	5.29	0.08
21.10	8.15	5.06	0.10	23.70	8.41	5.30	0.08
21.15	8.16	5.07	0.10	23.75	8.42	5.30	0.08
21.20	8.16	5.07	0.10	23.80	8.42	5.30	0.08
21.25	8.17	5.08	0.10	23.85	8.42	5.31	0.08
21.30	8.18	5.08	0.10	23.90	8.43	5.31	0.08
21.35	8.18	5.09	0.10	23.95	8.43	5.32	0.10
21.40	8.19	5.09	0.10	24.00	**8.44**	**5.32**	0.10
21.45	8.19	5.10	0.10	24.05	8.44	5.32	0.03
21.50	8.20	5.10	0.10	24.10	8.44	5.32	0.00
21.55	8.20	5.11	0.10	24.15	8.44	5.32	0.00
21.60	8.21	5.11	0.10	24.20	8.44	5.32	0.00
21.65	8.21	5.12	0.10	24.25	8.44	5.32	0.00
21.70	8.22	5.12	0.10	24.30	8.44	5.32	0.00
21.75	8.22	5.13	0.10	24.35	8.44	5.32	0.00
21.80	8.23	5.13	0.10	24.40	8.44	5.32	0.00
21.85	8.23	5.14	0.10	24.45	8.44	5.32	0.00
21.90	8.24	5.14	0.10	24.50	8.44	5.32	0.00
21.95	8.24	5.14	0.10	24.55	8.44	5.32	0.00
22.00	8.25	5.15	0.10	24.60	8.44	5.32	0.00
22.05	8.25	5.15	0.10	24.65	8.44	5.32	0.00
22.10	8.26	5.16	0.10	24.70	8.44	5.32	0.00
22.15	8.26	5.16	0.10	24.75	8.44	5.32	0.00
22.20	8.27	5.17	0.10	24.80	8.44	5.32	0.00
22.25	8.27	5.17	0.10	24.85	8.44	5.32	0.00
22.30	8.28	5.18	0.09	24.90	8.44	5.32	0.00
22.35	8.28	5.18	0.09	24.95	8.44	5.32	0.00
22.40	8.29	5.19	0.09	25.00	8.44	5.32	0.00
22.45	8.29	5.19	0.09	25.05	8.44	5.32	0.00
22.50	8.30	5.19	0.09	25.10	8.44	5.32	0.00
22.55	8.30	5.20	0.09	25.15	8.44	5.32	0.00
22.60	8.31	5.20	0.09	25.20	8.44	5.32	0.00
22.65	8.31	5.21	0.09	25.25	8.44	5.32	0.00
22.70	8.32	5.21	0.09	25.30	8.44	5.32	0.00
22.75	8.32	5.22	0.09	25.35	8.44	5.32	0.00
22.80	8.33	5.22	0.09	25.40	8.44	5.32	0.00
22.85	8.33	5.22	0.09	25.45	8.44	5.32	0.00
22.90	8.34	5.23	0.09	25.50	8.44	5.32	0.00
22.95	8.34	5.23	0.09	25.55	8.44	5.32	0.00
23.00	8.35	5.24	0.09	25.60	8.44	5.32	0.00
23.05	8.35	5.24	0.09	25.65	8.44	5.32	0.00
23.10	8.36	5.25	0.09	25.70	8.44	5.32	0.00
23.15	8.36	5.25	0.09	25.75	8.44	5.32	0.00
23.20	8.37	5.25	0.09	25.80	8.44	5.32	0.00
23.25	8.37	5.26	0.09	25.85	8.44	5.32	0.00
23.30	8.38	5.26	0.09	25.90	8.44	5.32	0.00
23.35	8.38	5.27	0.09	25.95	8.44	5.32	0.00

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	5.32	0.00	28.60	8.44	5.32	0.00
26.05	8.44	5.32	0.00	28.65	8.44	5.32	0.00
26.10	8.44	5.32	0.00	28.70	8.44	5.32	0.00
26.15	8.44	5.32	0.00	28.75	8.44	5.32	0.00
26.20	8.44	5.32	0.00	28.80	8.44	5.32	0.00
26.25	8.44	5.32	0.00	28.85	8.44	5.32	0.00
26.30	8.44	5.32	0.00	28.90	8.44	5.32	0.00
26.35	8.44	5.32	0.00	28.95	8.44	5.32	0.00
26.40	8.44	5.32	0.00	29.00	8.44	5.32	0.00
26.45	8.44	5.32	0.00	29.05	8.44	5.32	0.00
26.50	8.44	5.32	0.00	29.10	8.44	5.32	0.00
26.55	8.44	5.32	0.00	29.15	8.44	5.32	0.00
26.60	8.44	5.32	0.00	29.20	8.44	5.32	0.00
26.65	8.44	5.32	0.00	29.25	8.44	5.32	0.00
26.70	8.44	5.32	0.00	29.30	8.44	5.32	0.00
26.75	8.44	5.32	0.00	29.35	8.44	5.32	0.00
26.80	8.44	5.32	0.00	29.40	8.44	5.32	0.00
26.85	8.44	5.32	0.00	29.45	8.44	5.32	0.00
26.90	8.44	5.32	0.00	29.50	8.44	5.32	0.00
26.95	8.44	5.32	0.00	29.55	8.44	5.32	0.00
27.00	8.44	5.32	0.00	29.60	8.44	5.32	0.00
27.05	8.44	5.32	0.00	29.65	8.44	5.32	0.00
27.10	8.44	5.32	0.00	29.70	8.44	5.32	0.00
27.15	8.44	5.32	0.00	29.75	8.44	5.32	0.00
27.20	8.44	5.32	0.00	29.80	8.44	5.32	0.00
27.25	8.44	5.32	0.00	29.85	8.44	5.32	0.00
27.30	8.44	5.32	0.00	29.90	8.44	5.32	0.00
27.35	8.44	5.32	0.00	29.95	8.44	5.32	0.00
27.40	8.44	5.32	0.00	30.00	8.44	5.32	0.00
27.45	8.44	5.32	0.00	30.05	8.44	5.32	0.00
27.50	8.44	5.32	0.00	30.10	8.44	5.32	0.00
27.55	8.44	5.32	0.00	30.15	8.44	5.32	0.00
27.60	8.44	5.32	0.00	30.20	8.44	5.32	0.00
27.65	8.44	5.32	0.00	30.25	8.44	5.32	0.00
27.70	8.44	5.32	0.00	30.30	8.44	5.32	0.00
27.75	8.44	5.32	0.00	30.35	8.44	5.32	0.00
27.80	8.44	5.32	0.00	30.40	8.44	5.32	0.00
27.85	8.44	5.32	0.00	30.45	8.44	5.32	0.00
27.90	8.44	5.32	0.00	30.50	8.44	5.32	0.00
27.95	8.44	5.32	0.00	30.55	8.44	5.32	0.00
28.00	8.44	5.32	0.00	30.60	8.44	5.32	0.00
28.05	8.44	5.32	0.00	30.65	8.44	5.32	0.00
28.10	8.44	5.32	0.00	30.70	8.44	5.32	0.00
28.15	8.44	5.32	0.00	30.75	8.44	5.32	0.00
28.20	8.44	5.32	0.00	30.80	8.44	5.32	0.00
28.25	8.44	5.32	0.00	30.85	8.44	5.32	0.00
28.30	8.44	5.32	0.00	30.90	8.44	5.32	0.00
28.35	8.44	5.32	0.00	30.95	8.44	5.32	0.00
28.40	8.44	5.32	0.00	31.00	8.44	5.32	0.00
28.45	8.44	5.32	0.00	31.05	8.44	5.32	0.00
28.50	8.44	5.32	0.00	31.10	8.44	5.32	0.00
28.55	8.44	5.32	0.00	31.15	8.44	5.32	0.00

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	5.32	0.00	33.80	8.44	5.32	0.00
31.25	8.44	5.32	0.00	33.85	8.44	5.32	0.00
31.30	8.44	5.32	0.00	33.90	8.44	5.32	0.00
31.35	8.44	5.32	0.00	33.95	8.44	5.32	0.00
31.40	8.44	5.32	0.00	34.00	8.44	5.32	0.00
31.45	8.44	5.32	0.00	34.05	8.44	5.32	0.00
31.50	8.44	5.32	0.00	34.10	8.44	5.32	0.00
31.55	8.44	5.32	0.00	34.15	8.44	5.32	0.00
31.60	8.44	5.32	0.00	34.20	8.44	5.32	0.00
31.65	8.44	5.32	0.00	34.25	8.44	5.32	0.00
31.70	8.44	5.32	0.00	34.30	8.44	5.32	0.00
31.75	8.44	5.32	0.00	34.35	8.44	5.32	0.00
31.80	8.44	5.32	0.00	34.40	8.44	5.32	0.00
31.85	8.44	5.32	0.00	34.45	8.44	5.32	0.00
31.90	8.44	5.32	0.00	34.50	8.44	5.32	0.00
31.95	8.44	5.32	0.00	34.55	8.44	5.32	0.00
32.00	8.44	5.32	0.00	34.60	8.44	5.32	0.00
32.05	8.44	5.32	0.00	34.65	8.44	5.32	0.00
32.10	8.44	5.32	0.00	34.70	8.44	5.32	0.00
32.15	8.44	5.32	0.00	34.75	8.44	5.32	0.00
32.20	8.44	5.32	0.00	34.80	8.44	5.32	0.00
32.25	8.44	5.32	0.00	34.85	8.44	5.32	0.00
32.30	8.44	5.32	0.00	34.90	8.44	5.32	0.00
32.35	8.44	5.32	0.00	34.95	8.44	5.32	0.00
32.40	8.44	5.32	0.00	35.00	8.44	5.32	0.00
32.45	8.44	5.32	0.00	35.05	8.44	5.32	0.00
32.50	8.44	5.32	0.00	35.10	8.44	5.32	0.00
32.55	8.44	5.32	0.00	35.15	8.44	5.32	0.00
32.60	8.44	5.32	0.00	35.20	8.44	5.32	0.00
32.65	8.44	5.32	0.00	35.25	8.44	5.32	0.00
32.70	8.44	5.32	0.00	35.30	8.44	5.32	0.00
32.75	8.44	5.32	0.00	35.35	8.44	5.32	0.00
32.80	8.44	5.32	0.00	35.40	8.44	5.32	0.00
32.85	8.44	5.32	0.00	35.45	8.44	5.32	0.00
32.90	8.44	5.32	0.00	35.50	8.44	5.32	0.00
32.95	8.44	5.32	0.00	35.55	8.44	5.32	0.00
33.00	8.44	5.32	0.00	35.60	8.44	5.32	0.00
33.05	8.44	5.32	0.00	35.65	8.44	5.32	0.00
33.10	8.44	5.32	0.00	35.70	8.44	5.32	0.00
33.15	8.44	5.32	0.00	35.75	8.44	5.32	0.00
33.20	8.44	5.32	0.00	35.80	8.44	5.32	0.00
33.25	8.44	5.32	0.00	35.85	8.44	5.32	0.00
33.30	8.44	5.32	0.00	35.90	8.44	5.32	0.00
33.35	8.44	5.32	0.00	35.95	8.44	5.32	0.00
33.40	8.44	5.32	0.00	36.00	8.44	5.32	0.00
33.45	8.44	5.32	0.00	36.05	8.44	5.32	0.00
33.50	8.44	5.32	0.00	36.10	8.44	5.32	0.00
33.55	8.44	5.32	0.00	36.15	8.44	5.32	0.00
33.60	8.44	5.32	0.00	36.20	8.44	5.32	0.00
33.65	8.44	5.32	0.00	36.25	8.44	5.32	0.00
33.70	8.44	5.32	0.00	36.30	8.44	5.32	0.00
33.75	8.44	5.32	0.00	36.35	8.44	5.32	0.00

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	5.32	0.00
36.45	8.44	5.32	0.00
36.50	8.44	5.32	0.00
36.55	8.44	5.32	0.00
36.60	8.44	5.32	0.00
36.65	8.44	5.32	0.00
36.70	8.44	5.32	0.00
36.75	8.44	5.32	0.00
36.80	8.44	5.32	0.00
36.85	8.44	5.32	0.00
36.90	8.44	5.32	0.00
36.95	8.44	5.32	0.00
37.00	8.44	5.32	0.00
37.05	8.44	5.32	0.00
37.10	8.44	5.32	0.00
37.15	8.44	5.32	0.00
37.20	8.44	5.32	0.00
37.25	8.44	5.32	0.00
37.30	8.44	5.32	0.00
37.35	8.44	5.32	0.00
37.40	8.44	5.32	0.00
37.45	8.44	5.32	0.00
37.50	8.44	5.32	0.00
37.55	8.44	5.32	0.00
37.60	8.44	5.32	0.00
37.65	8.44	5.32	0.00
37.70	8.44	5.32	0.00
37.75	8.44	5.32	0.00
37.80	8.44	5.32	0.00
37.85	8.44	5.32	0.00
37.90	8.44	5.32	0.00
37.95	8.44	5.32	0.00
38.00	8.44	5.32	0.00
38.05	8.44	5.32	0.00
38.10	8.44	5.32	0.00
38.15	8.44	5.32	0.00
38.20	8.44	5.32	0.00
38.25	8.44	5.32	0.00
38.30	8.44	5.32	0.00
38.35	8.44	5.32	0.00
38.40	8.44	5.32	0.00
38.45	8.44	5.32	0.00
38.50	8.44	5.32	0.00
38.55	8.44	5.32	0.00
38.60	8.44	5.32	0.00
38.65	8.44	5.32	0.00
38.70	8.44	5.32	0.00
38.75	8.44	5.32	0.00
38.80	8.44	5.32	0.00
38.85	8.44	5.32	0.00
38.90	8.44	5.32	0.00
38.95	8.44	5.32	0.00
39.00	8.44	5.32	0.00
39.05	8.44	5.32	0.00
39.10	8.44	5.32	0.00
39.15	8.44	5.32	0.00
39.20	8.44	5.32	0.00
39.25	8.44	5.32	0.00
39.30	8.44	5.32	0.00
39.35	8.44	5.32	0.00
39.40	8.44	5.32	0.00
39.45	8.44	5.32	0.00
39.50	8.44	5.32	0.00
39.55	8.44	5.32	0.00
39.60	8.44	5.32	0.00
39.65	8.44	5.32	0.00
39.70	8.44	5.32	0.00
39.75	8.44	5.32	0.00
39.80	8.44	5.32	0.00
39.85	8.44	5.32	0.00
39.90	8.44	5.32	0.00
39.95	8.44	5.32	0.00
40.00	8.44	5.32	0.00

Summary for Subcatchment 57l: PDA-57 (impervious)

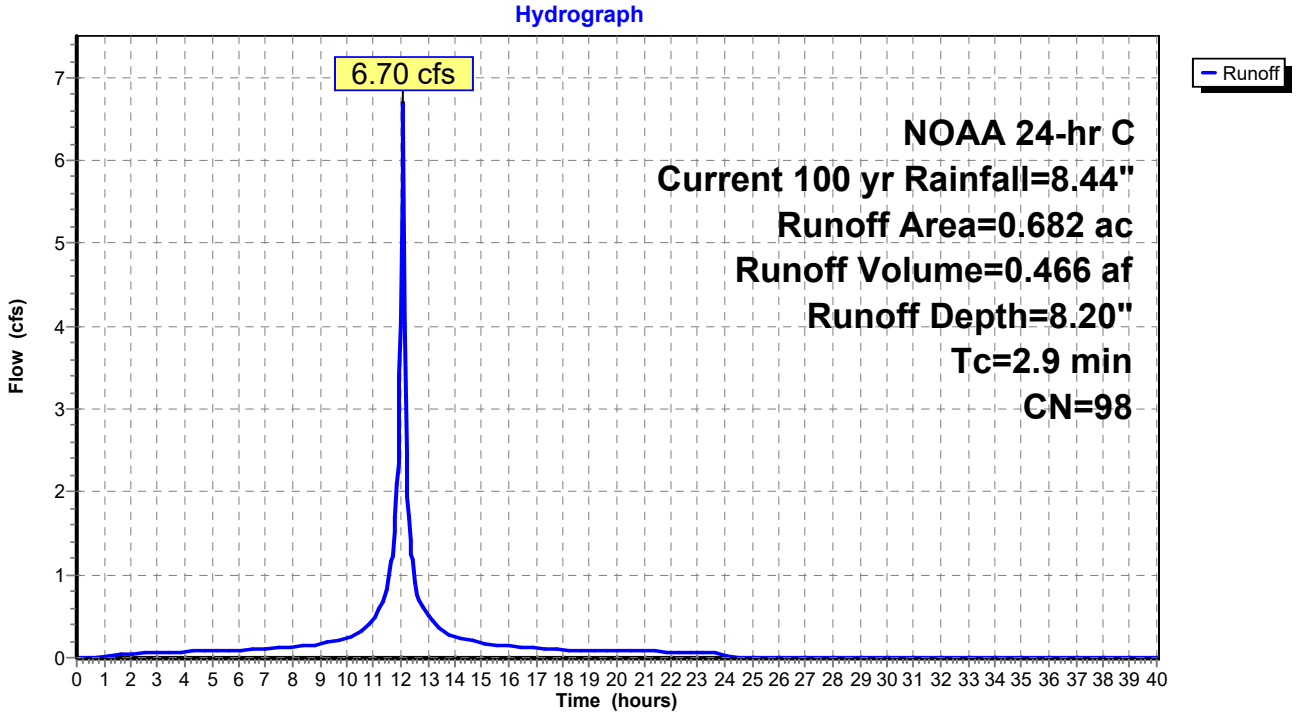
Runoff = 6.70 cfs @ 12.09 hrs, Volume= 0.466 af, Depth= 8.20"
Routed to Pond B-57 : Basin #57

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

	Area (ac)	CN	Description
*	0.268	98	Pavement, HSG C
*	0.378	98	Roof, HSG C
*	0.036	98	Concrete, HSG C
	0.682	98	Weighted Average
	0.682		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.9					**Direct Entry,**

Subcatchment 57l: PDA-57 (impervious)



Hydrograph for Subcatchment 57I: PDA-57 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.11	0.06
0.05	0.01	0.00	0.00	2.65	0.26	0.11	0.06
0.10	0.01	0.00	0.00	2.70	0.26	0.12	0.06
0.15	0.02	0.00	0.00	2.75	0.27	0.12	0.06
0.20	0.02	0.00	0.00	2.80	0.28	0.13	0.06
0.25	0.02	0.00	0.00	2.85	0.28	0.13	0.06
0.30	0.03	0.00	0.00	2.90	0.29	0.13	0.06
0.35	0.03	0.00	0.00	2.95	0.29	0.14	0.06
0.40	0.04	0.00	0.00	3.00	0.30	0.14	0.06
0.45	0.04	0.00	0.00	3.05	0.30	0.15	0.06
0.50	0.05	0.00	0.00	3.10	0.31	0.15	0.06
0.55	0.05	0.00	0.00	3.15	0.31	0.16	0.06
0.60	0.06	0.00	0.01	3.20	0.32	0.16	0.06
0.65	0.06	0.00	0.01	3.25	0.33	0.17	0.06
0.70	0.06	0.00	0.01	3.30	0.33	0.17	0.06
0.75	0.07	0.00	0.01	3.35	0.34	0.18	0.06
0.80	0.07	0.00	0.01	3.40	0.34	0.18	0.07
0.85	0.08	0.01	0.02	3.45	0.35	0.19	0.07
0.90	0.08	0.01	0.02	3.50	0.35	0.19	0.07
0.95	0.09	0.01	0.02	3.55	0.36	0.19	0.07
1.00	0.09	0.01	0.02	3.60	0.37	0.20	0.07
1.05	0.10	0.01	0.02	3.65	0.37	0.20	0.07
1.10	0.10	0.01	0.03	3.70	0.38	0.21	0.07
1.15	0.11	0.02	0.03	3.75	0.38	0.21	0.07
1.20	0.11	0.02	0.03	3.80	0.39	0.22	0.07
1.25	0.12	0.02	0.03	3.85	0.40	0.22	0.07
1.30	0.12	0.02	0.03	3.90	0.40	0.23	0.07
1.35	0.13	0.02	0.03	3.95	0.41	0.24	0.07
1.40	0.13	0.03	0.03	4.00	0.41	0.24	0.07
1.45	0.14	0.03	0.04	4.05	0.42	0.25	0.07
1.50	0.14	0.03	0.04	4.10	0.43	0.25	0.07
1.55	0.15	0.04	0.04	4.15	0.43	0.26	0.07
1.60	0.15	0.04	0.04	4.20	0.44	0.26	0.07
1.65	0.16	0.04	0.04	4.25	0.44	0.27	0.07
1.70	0.16	0.04	0.04	4.30	0.45	0.27	0.07
1.75	0.17	0.05	0.04	4.35	0.46	0.28	0.07
1.80	0.17	0.05	0.04	4.40	0.46	0.28	0.08
1.85	0.18	0.05	0.04	4.45	0.47	0.29	0.08
1.90	0.18	0.06	0.04	4.50	0.47	0.29	0.08
1.95	0.19	0.06	0.05	4.55	0.48	0.30	0.08
2.00	0.19	0.06	0.05	4.60	0.49	0.31	0.08
2.05	0.20	0.07	0.05	4.65	0.49	0.31	0.08
2.10	0.20	0.07	0.05	4.70	0.50	0.32	0.08
2.15	0.21	0.07	0.05	4.75	0.51	0.32	0.08
2.20	0.21	0.08	0.05	4.80	0.51	0.33	0.08
2.25	0.22	0.08	0.05	4.85	0.52	0.33	0.08
2.30	0.22	0.09	0.05	4.90	0.52	0.34	0.08
2.35	0.23	0.09	0.05	4.95	0.53	0.35	0.08
2.40	0.23	0.09	0.05	5.00	0.54	0.35	0.08
2.45	0.24	0.10	0.05	5.05	0.54	0.36	0.08
2.50	0.24	0.10	0.05	5.10	0.55	0.36	0.08
2.55	0.25	0.10	0.06	5.15	0.56	0.37	0.08

Hydrograph for Subcatchment 57l: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.38	0.08	7.80	0.97	0.76	0.13
5.25	0.57	0.38	0.08	7.85	0.98	0.77	0.13
5.30	0.58	0.39	0.08	7.90	0.99	0.78	0.13
5.35	0.58	0.39	0.08	7.95	1.00	0.79	0.13
5.40	0.59	0.40	0.08	8.00	1.01	0.80	0.14
5.45	0.60	0.41	0.08	8.05	1.02	0.81	0.14
5.50	0.60	0.41	0.08	8.10	1.03	0.82	0.14
5.55	0.61	0.42	0.08	8.15	1.04	0.83	0.14
5.60	0.62	0.42	0.08	8.20	1.05	0.84	0.14
5.65	0.62	0.43	0.09	8.25	1.06	0.85	0.14
5.70	0.63	0.44	0.09	8.30	1.07	0.86	0.14
5.75	0.64	0.44	0.09	8.35	1.08	0.87	0.14
5.80	0.64	0.45	0.09	8.40	1.10	0.88	0.14
5.85	0.65	0.45	0.09	8.45	1.11	0.89	0.15
5.90	0.66	0.46	0.09	8.50	1.12	0.91	0.15
5.95	0.66	0.47	0.09	8.55	1.13	0.92	0.15
6.00	0.67	0.47	0.09	8.60	1.14	0.93	0.15
6.05	0.68	0.48	0.09	8.65	1.15	0.94	0.15
6.10	0.68	0.49	0.09	8.70	1.16	0.95	0.15
6.15	0.69	0.49	0.09	8.75	1.17	0.96	0.15
6.20	0.70	0.50	0.09	8.80	1.19	0.97	0.15
6.25	0.70	0.51	0.09	8.85	1.20	0.98	0.16
6.30	0.71	0.51	0.09	8.90	1.21	0.99	0.16
6.35	0.72	0.52	0.10	8.95	1.22	1.01	0.16
6.40	0.73	0.53	0.10	9.00	1.23	1.02	0.16
6.45	0.73	0.54	0.10	9.05	1.25	1.03	0.16
6.50	0.74	0.54	0.10	9.10	1.26	1.04	0.17
6.55	0.75	0.55	0.10	9.15	1.27	1.05	0.17
6.60	0.76	0.56	0.10	9.20	1.28	1.07	0.18
6.65	0.77	0.57	0.10	9.25	1.30	1.08	0.18
6.70	0.77	0.57	0.10	9.30	1.31	1.09	0.19
6.75	0.78	0.58	0.11	9.35	1.33	1.11	0.19
6.80	0.79	0.59	0.11	9.40	1.34	1.12	0.19
6.85	0.80	0.60	0.11	9.45	1.35	1.14	0.20
6.90	0.81	0.60	0.11	9.50	1.37	1.15	0.20
6.95	0.81	0.61	0.11	9.55	1.39	1.17	0.21
7.00	0.82	0.62	0.11	9.60	1.40	1.18	0.21
7.05	0.83	0.63	0.11	9.65	1.42	1.20	0.22
7.10	0.84	0.64	0.11	9.70	1.43	1.21	0.22
7.15	0.85	0.65	0.12	9.75	1.45	1.23	0.23
7.20	0.86	0.65	0.12	9.80	1.47	1.25	0.23
7.25	0.87	0.66	0.12	9.85	1.49	1.27	0.23
7.30	0.88	0.67	0.12	9.90	1.50	1.28	0.24
7.35	0.89	0.68	0.12	9.95	1.52	1.30	0.24
7.40	0.89	0.69	0.12	10.00	1.54	1.32	0.25
7.45	0.90	0.70	0.12	10.05	1.56	1.34	0.25
7.50	0.91	0.71	0.12	10.10	1.58	1.36	0.25
7.55	0.92	0.72	0.12	10.15	1.60	1.37	0.26
7.60	0.93	0.73	0.13	10.20	1.62	1.39	0.26
7.65	0.94	0.73	0.13	10.25	1.64	1.41	0.27
7.70	0.95	0.74	0.13	10.30	1.66	1.43	0.27
7.75	0.96	0.75	0.13	10.35	1.68	1.45	0.28

Hydrograph for Subcatchment 57l: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	1.47	0.28	13.00	6.41	6.18	0.52
10.45	1.72	1.50	0.29	13.05	6.45	6.21	0.48
10.50	1.74	1.52	0.29	13.10	6.48	6.24	0.46
10.55	1.76	1.54	0.31	13.15	6.51	6.27	0.44
10.60	1.79	1.56	0.32	13.20	6.54	6.30	0.43
10.65	1.81	1.59	0.34	13.25	6.57	6.33	0.41
10.70	1.84	1.62	0.36	13.30	6.60	6.36	0.39
10.75	1.87	1.64	0.38	13.35	6.63	6.39	0.37
10.80	1.90	1.67	0.39	13.40	6.65	6.41	0.36
10.85	1.93	1.70	0.41	13.45	6.68	6.44	0.34
10.90	1.96	1.73	0.42	13.50	6.70	6.46	0.33
10.95	1.99	1.77	0.44	13.55	6.72	6.48	0.31
11.00	2.03	1.80	0.46	13.60	6.74	6.50	0.29
11.05	2.06	1.84	0.49	13.65	6.76	6.53	0.29
11.10	2.10	1.87	0.52	13.70	6.78	6.55	0.28
11.15	2.14	1.92	0.56	13.75	6.80	6.57	0.28
11.20	2.19	1.96	0.58	13.80	6.82	6.59	0.28
11.25	2.23	2.01	0.62	13.85	6.84	6.61	0.27
11.30	2.28	2.05	0.64	13.90	6.86	6.62	0.27
11.35	2.33	2.10	0.68	13.95	6.88	6.64	0.26
11.40	2.38	2.16	0.70	14.00	6.90	6.66	0.26
11.45	2.44	2.21	0.73	14.05	6.92	6.68	0.25
11.50	2.49	2.26	0.76	14.10	6.94	6.70	0.25
11.55	2.58	2.35	1.01	14.15	6.95	6.72	0.24
11.60	2.66	2.43	1.15	14.20	6.97	6.73	0.24
11.65	2.75	2.52	1.20	14.25	6.99	6.75	0.24
11.70	2.84	2.61	1.24	14.30	7.01	6.77	0.23
11.75	2.97	2.74	1.51	14.35	7.02	6.78	0.23
11.80	3.09	2.86	1.68	14.40	7.04	6.80	0.22
11.85	3.26	3.03	2.09	14.45	7.05	6.82	0.22
11.90	3.43	3.20	2.35	14.50	7.07	6.83	0.22
11.95	3.73	3.49	3.39	14.55	7.09	6.85	0.21
12.00	4.02	3.79	4.04	14.60	7.10	6.86	0.21
12.05	4.52	4.28	5.72	14.65	7.11	6.88	0.20
12.10	5.01	4.77	**6.59**	14.70	7.13	6.89	0.20
12.15	5.18	4.94	4.03	14.75	7.14	6.90	0.19
12.20	5.35	5.11	2.48	14.80	7.16	6.92	0.19
12.25	5.47	5.24	1.95	14.85	7.17	6.93	0.18
12.30	5.60	5.36	1.70	14.90	7.18	6.94	0.18
12.35	5.69	5.45	1.41	14.95	7.19	6.96	0.17
12.40	5.78	5.54	1.25	15.00	7.21	6.97	0.17
12.45	5.86	5.62	1.20	15.05	7.22	6.98	0.17
12.50	5.95	5.71	1.17	15.10	7.23	6.99	0.16
12.55	6.00	5.76	0.92	15.15	7.24	7.00	0.16
12.60	6.06	5.82	0.77	15.20	7.25	7.02	0.16
12.65	6.11	5.87	0.73	15.25	7.27	7.03	0.16
12.70	6.16	5.92	0.71	15.30	7.28	7.04	0.16
12.75	6.21	5.97	0.67	15.35	7.29	7.05	0.16
12.80	6.25	6.02	0.65	15.40	7.30	7.06	0.16
12.85	6.30	6.06	0.61	15.45	7.31	7.07	0.15
12.90	6.34	6.10	0.59	15.50	7.32	7.08	0.15
12.95	6.38	6.14	0.55	15.55	7.33	7.09	0.15

Hydrograph for Subcatchment 57l: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	7.10	0.15	18.20	7.80	7.56	0.09
15.65	7.36	7.12	0.15	18.25	7.80	7.57	0.09
15.70	7.37	7.13	0.15	18.30	7.81	7.57	0.09
15.75	7.38	7.14	0.15	18.35	7.82	7.58	0.09
15.80	7.39	7.15	0.15	18.40	7.82	7.59	0.09
15.85	7.40	7.16	0.15	18.45	7.83	7.59	0.09
15.90	7.41	7.17	0.14	18.50	7.84	7.60	0.09
15.95	7.42	7.18	0.14	18.55	7.84	7.61	0.09
16.00	7.43	7.19	0.14	18.60	7.85	7.61	0.09
16.05	7.44	7.20	0.14	18.65	7.86	7.62	0.09
16.10	7.45	7.21	0.14	18.70	7.86	7.62	0.09
16.15	7.46	7.22	0.14	18.75	7.87	7.63	0.09
16.20	7.47	7.23	0.14	18.80	7.88	7.64	0.09
16.25	7.48	7.24	0.14	18.85	7.88	7.64	0.09
16.30	7.49	7.25	0.13	18.90	7.89	7.65	0.09
16.35	7.50	7.26	0.13	18.95	7.90	7.66	0.09
16.40	7.51	7.27	0.13	19.00	7.90	7.66	0.09
16.45	7.52	7.28	0.13	19.05	7.91	7.67	0.09
16.50	7.53	7.29	0.13	19.10	7.92	7.68	0.09
16.55	7.54	7.30	0.13	19.15	7.92	7.68	0.09
16.60	7.55	7.31	0.13	19.20	7.93	7.69	0.09
16.65	7.55	7.32	0.13	19.25	7.93	7.70	0.09
16.70	7.56	7.32	0.13	19.30	7.94	7.70	0.09
16.75	7.57	7.33	0.12	19.35	7.95	7.71	0.09
16.80	7.58	7.34	0.12	19.40	7.95	7.71	0.09
16.85	7.59	7.35	0.12	19.45	7.96	7.72	0.09
16.90	7.60	7.36	0.12	19.50	7.97	7.73	0.09
16.95	7.61	7.37	0.12	19.55	7.97	7.73	0.08
17.00	7.62	7.38	0.12	19.60	7.98	7.74	0.08
17.05	7.63	7.39	0.12	19.65	7.98	7.74	0.08
17.10	7.63	7.39	0.12	19.70	7.99	7.75	0.08
17.15	7.64	7.40	0.12	19.75	8.00	7.76	0.08
17.20	7.65	7.41	0.11	19.80	8.00	7.76	0.08
17.25	7.66	7.42	0.11	19.85	8.01	7.77	0.08
17.30	7.67	7.43	0.11	19.90	8.01	7.78	0.08
17.35	7.67	7.43	0.11	19.95	8.02	7.78	0.08
17.40	7.68	7.44	0.11	20.00	8.03	7.79	0.08
17.45	7.69	7.45	0.11	20.05	8.03	7.79	0.08
17.50	7.70	7.46	0.11	20.10	8.04	7.80	0.08
17.55	7.71	7.47	0.11	20.15	8.04	7.80	0.08
17.60	7.71	7.47	0.11	20.20	8.05	7.81	0.08
17.65	7.72	7.48	0.10	20.25	8.06	7.82	0.08
17.70	7.73	7.49	0.10	20.30	8.06	7.82	0.08
17.75	7.74	7.50	0.10	20.35	8.07	7.83	0.08
17.80	7.74	7.50	0.10	20.40	8.07	7.83	0.08
17.85	7.75	7.51	0.10	20.45	8.08	7.84	0.08
17.90	7.76	7.52	0.10	20.50	8.09	7.85	0.08
17.95	7.76	7.52	0.10	20.55	8.09	7.85	0.08
18.00	7.77	7.53	0.10	20.60	8.10	7.86	0.08
18.05	7.78	7.54	0.09	20.65	8.10	7.86	0.08
18.10	7.78	7.55	0.09	20.70	8.11	7.87	0.08
18.15	7.79	7.55	0.09	20.75	8.11	7.87	0.08

Hydrograph for Subcatchment 57l: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	7.88	0.08	23.40	8.38	8.14	0.06
20.85	8.13	7.89	0.08	23.45	8.39	8.15	0.06
20.90	8.13	7.89	0.08	23.50	8.39	8.15	0.06
20.95	8.14	7.90	0.08	23.55	8.40	8.16	0.06
21.00	8.14	7.90	0.08	23.60	8.40	8.16	0.06
21.05	8.15	7.91	0.08	23.65	8.41	8.17	0.06
21.10	8.15	7.91	0.08	23.70	8.41	8.17	0.06
21.15	8.16	7.92	0.08	23.75	8.42	8.18	0.06
21.20	8.16	7.92	0.08	23.80	8.42	8.18	0.06
21.25	8.17	7.93	0.08	23.85	8.42	8.18	0.06
21.30	8.18	7.94	0.08	23.90	8.43	8.19	0.06
21.35	8.18	7.94	0.07	23.95	8.43	8.19	0.07
21.40	8.19	7.95	0.07	24.00	**8.44**	**8.20**	0.07
21.45	8.19	7.95	0.07	24.05	8.44	8.20	0.03
21.50	8.20	7.96	0.07	24.10	8.44	8.20	0.00
21.55	8.20	7.96	0.07	24.15	8.44	8.20	0.00
21.60	8.21	7.97	0.07	24.20	8.44	8.20	0.00
21.65	8.21	7.97	0.07	24.25	8.44	8.20	0.00
21.70	8.22	7.98	0.07	24.30	8.44	8.20	0.00
21.75	8.22	7.98	0.07	24.35	8.44	8.20	0.00
21.80	8.23	7.99	0.07	24.40	8.44	8.20	0.00
21.85	8.23	7.99	0.07	24.45	8.44	8.20	0.00
21.90	8.24	8.00	0.07	24.50	8.44	8.20	0.00
21.95	8.24	8.00	0.07	24.55	8.44	8.20	0.00
22.00	8.25	8.01	0.07	24.60	8.44	8.20	0.00
22.05	8.25	8.01	0.07	24.65	8.44	8.20	0.00
22.10	8.26	8.02	0.07	24.70	8.44	8.20	0.00
22.15	8.26	8.02	0.07	24.75	8.44	8.20	0.00
22.20	8.27	8.03	0.07	24.80	8.44	8.20	0.00
22.25	8.27	8.03	0.07	24.85	8.44	8.20	0.00
22.30	8.28	8.04	0.07	24.90	8.44	8.20	0.00
22.35	8.28	8.04	0.07	24.95	8.44	8.20	0.00
22.40	8.29	8.05	0.07	25.00	8.44	8.20	0.00
22.45	8.29	8.05	0.07	25.05	8.44	8.20	0.00
22.50	8.30	8.06	0.07	25.10	8.44	8.20	0.00
22.55	8.30	8.06	0.07	25.15	8.44	8.20	0.00
22.60	8.31	8.07	0.07	25.20	8.44	8.20	0.00
22.65	8.31	8.07	0.07	25.25	8.44	8.20	0.00
22.70	8.32	8.08	0.07	25.30	8.44	8.20	0.00
22.75	8.32	8.08	0.07	25.35	8.44	8.20	0.00
22.80	8.33	8.09	0.07	25.40	8.44	8.20	0.00
22.85	8.33	8.09	0.07	25.45	8.44	8.20	0.00
22.90	8.34	8.10	0.07	25.50	8.44	8.20	0.00
22.95	8.34	8.10	0.07	25.55	8.44	8.20	0.00
23.00	8.35	8.11	0.07	25.60	8.44	8.20	0.00
23.05	8.35	8.11	0.06	25.65	8.44	8.20	0.00
23.10	8.36	8.12	0.06	25.70	8.44	8.20	0.00
23.15	8.36	8.12	0.06	25.75	8.44	8.20	0.00
23.20	8.37	8.13	0.06	25.80	8.44	8.20	0.00
23.25	8.37	8.13	0.06	25.85	8.44	8.20	0.00
23.30	8.38	8.14	0.06	25.90	8.44	8.20	0.00
23.35	8.38	8.14	0.06	25.95	8.44	8.20	0.00

Hydrograph for Subcatchment 57I: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	8.20	0.00	28.60	8.44	8.20	0.00
26.05	8.44	8.20	0.00	28.65	8.44	8.20	0.00
26.10	8.44	8.20	0.00	28.70	8.44	8.20	0.00
26.15	8.44	8.20	0.00	28.75	8.44	8.20	0.00
26.20	8.44	8.20	0.00	28.80	8.44	8.20	0.00
26.25	8.44	8.20	0.00	28.85	8.44	8.20	0.00
26.30	8.44	8.20	0.00	28.90	8.44	8.20	0.00
26.35	8.44	8.20	0.00	28.95	8.44	8.20	0.00
26.40	8.44	8.20	0.00	29.00	8.44	8.20	0.00
26.45	8.44	8.20	0.00	29.05	8.44	8.20	0.00
26.50	8.44	8.20	0.00	29.10	8.44	8.20	0.00
26.55	8.44	8.20	0.00	29.15	8.44	8.20	0.00
26.60	8.44	8.20	0.00	29.20	8.44	8.20	0.00
26.65	8.44	8.20	0.00	29.25	8.44	8.20	0.00
26.70	8.44	8.20	0.00	29.30	8.44	8.20	0.00
26.75	8.44	8.20	0.00	29.35	8.44	8.20	0.00
26.80	8.44	8.20	0.00	29.40	8.44	8.20	0.00
26.85	8.44	8.20	0.00	29.45	8.44	8.20	0.00
26.90	8.44	8.20	0.00	29.50	8.44	8.20	0.00
26.95	8.44	8.20	0.00	29.55	8.44	8.20	0.00
27.00	8.44	8.20	0.00	29.60	8.44	8.20	0.00
27.05	8.44	8.20	0.00	29.65	8.44	8.20	0.00
27.10	8.44	8.20	0.00	29.70	8.44	8.20	0.00
27.15	8.44	8.20	0.00	29.75	8.44	8.20	0.00
27.20	8.44	8.20	0.00	29.80	8.44	8.20	0.00
27.25	8.44	8.20	0.00	29.85	8.44	8.20	0.00
27.30	8.44	8.20	0.00	29.90	8.44	8.20	0.00
27.35	8.44	8.20	0.00	29.95	8.44	8.20	0.00
27.40	8.44	8.20	0.00	30.00	8.44	8.20	0.00
27.45	8.44	8.20	0.00	30.05	8.44	8.20	0.00
27.50	8.44	8.20	0.00	30.10	8.44	8.20	0.00
27.55	8.44	8.20	0.00	30.15	8.44	8.20	0.00
27.60	8.44	8.20	0.00	30.20	8.44	8.20	0.00
27.65	8.44	8.20	0.00	30.25	8.44	8.20	0.00
27.70	8.44	8.20	0.00	30.30	8.44	8.20	0.00
27.75	8.44	8.20	0.00	30.35	8.44	8.20	0.00
27.80	8.44	8.20	0.00	30.40	8.44	8.20	0.00
27.85	8.44	8.20	0.00	30.45	8.44	8.20	0.00
27.90	8.44	8.20	0.00	30.50	8.44	8.20	0.00
27.95	8.44	8.20	0.00	30.55	8.44	8.20	0.00
28.00	8.44	8.20	0.00	30.60	8.44	8.20	0.00
28.05	8.44	8.20	0.00	30.65	8.44	8.20	0.00
28.10	8.44	8.20	0.00	30.70	8.44	8.20	0.00
28.15	8.44	8.20	0.00	30.75	8.44	8.20	0.00
28.20	8.44	8.20	0.00	30.80	8.44	8.20	0.00
28.25	8.44	8.20	0.00	30.85	8.44	8.20	0.00
28.30	8.44	8.20	0.00	30.90	8.44	8.20	0.00
28.35	8.44	8.20	0.00	30.95	8.44	8.20	0.00
28.40	8.44	8.20	0.00	31.00	8.44	8.20	0.00
28.45	8.44	8.20	0.00	31.05	8.44	8.20	0.00
28.50	8.44	8.20	0.00	31.10	8.44	8.20	0.00
28.55	8.44	8.20	0.00	31.15	8.44	8.20	0.00

Hydrograph for Subcatchment 57l: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	8.20	0.00	33.80	8.44	8.20	0.00
31.25	8.44	8.20	0.00	33.85	8.44	8.20	0.00
31.30	8.44	8.20	0.00	33.90	8.44	8.20	0.00
31.35	8.44	8.20	0.00	33.95	8.44	8.20	0.00
31.40	8.44	8.20	0.00	34.00	8.44	8.20	0.00
31.45	8.44	8.20	0.00	34.05	8.44	8.20	0.00
31.50	8.44	8.20	0.00	34.10	8.44	8.20	0.00
31.55	8.44	8.20	0.00	34.15	8.44	8.20	0.00
31.60	8.44	8.20	0.00	34.20	8.44	8.20	0.00
31.65	8.44	8.20	0.00	34.25	8.44	8.20	0.00
31.70	8.44	8.20	0.00	34.30	8.44	8.20	0.00
31.75	8.44	8.20	0.00	34.35	8.44	8.20	0.00
31.80	8.44	8.20	0.00	34.40	8.44	8.20	0.00
31.85	8.44	8.20	0.00	34.45	8.44	8.20	0.00
31.90	8.44	8.20	0.00	34.50	8.44	8.20	0.00
31.95	8.44	8.20	0.00	34.55	8.44	8.20	0.00
32.00	8.44	8.20	0.00	34.60	8.44	8.20	0.00
32.05	8.44	8.20	0.00	34.65	8.44	8.20	0.00
32.10	8.44	8.20	0.00	34.70	8.44	8.20	0.00
32.15	8.44	8.20	0.00	34.75	8.44	8.20	0.00
32.20	8.44	8.20	0.00	34.80	8.44	8.20	0.00
32.25	8.44	8.20	0.00	34.85	8.44	8.20	0.00
32.30	8.44	8.20	0.00	34.90	8.44	8.20	0.00
32.35	8.44	8.20	0.00	34.95	8.44	8.20	0.00
32.40	8.44	8.20	0.00	35.00	8.44	8.20	0.00
32.45	8.44	8.20	0.00	35.05	8.44	8.20	0.00
32.50	8.44	8.20	0.00	35.10	8.44	8.20	0.00
32.55	8.44	8.20	0.00	35.15	8.44	8.20	0.00
32.60	8.44	8.20	0.00	35.20	8.44	8.20	0.00
32.65	8.44	8.20	0.00	35.25	8.44	8.20	0.00
32.70	8.44	8.20	0.00	35.30	8.44	8.20	0.00
32.75	8.44	8.20	0.00	35.35	8.44	8.20	0.00
32.80	8.44	8.20	0.00	35.40	8.44	8.20	0.00
32.85	8.44	8.20	0.00	35.45	8.44	8.20	0.00
32.90	8.44	8.20	0.00	35.50	8.44	8.20	0.00
32.95	8.44	8.20	0.00	35.55	8.44	8.20	0.00
33.00	8.44	8.20	0.00	35.60	8.44	8.20	0.00
33.05	8.44	8.20	0.00	35.65	8.44	8.20	0.00
33.10	8.44	8.20	0.00	35.70	8.44	8.20	0.00
33.15	8.44	8.20	0.00	35.75	8.44	8.20	0.00
33.20	8.44	8.20	0.00	35.80	8.44	8.20	0.00
33.25	8.44	8.20	0.00	35.85	8.44	8.20	0.00
33.30	8.44	8.20	0.00	35.90	8.44	8.20	0.00
33.35	8.44	8.20	0.00	35.95	8.44	8.20	0.00
33.40	8.44	8.20	0.00	36.00	8.44	8.20	0.00
33.45	8.44	8.20	0.00	36.05	8.44	8.20	0.00
33.50	8.44	8.20	0.00	36.10	8.44	8.20	0.00
33.55	8.44	8.20	0.00	36.15	8.44	8.20	0.00
33.60	8.44	8.20	0.00	36.20	8.44	8.20	0.00
33.65	8.44	8.20	0.00	36.25	8.44	8.20	0.00
33.70	8.44	8.20	0.00	36.30	8.44	8.20	0.00
33.75	8.44	8.20	0.00	36.35	8.44	8.20	0.00

Hydrograph for Subcatchment 57l: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	8.20	0.00
36.45	8.44	8.20	0.00
36.50	8.44	8.20	0.00
36.55	8.44	8.20	0.00
36.60	8.44	8.20	0.00
36.65	8.44	8.20	0.00
36.70	8.44	8.20	0.00
36.75	8.44	8.20	0.00
36.80	8.44	8.20	0.00
36.85	8.44	8.20	0.00
36.90	8.44	8.20	0.00
36.95	8.44	8.20	0.00
37.00	8.44	8.20	0.00
37.05	8.44	8.20	0.00
37.10	8.44	8.20	0.00
37.15	8.44	8.20	0.00
37.20	8.44	8.20	0.00
37.25	8.44	8.20	0.00
37.30	8.44	8.20	0.00
37.35	8.44	8.20	0.00
37.40	8.44	8.20	0.00
37.45	8.44	8.20	0.00
37.50	8.44	8.20	0.00
37.55	8.44	8.20	0.00
37.60	8.44	8.20	0.00
37.65	8.44	8.20	0.00
37.70	8.44	8.20	0.00
37.75	8.44	8.20	0.00
37.80	8.44	8.20	0.00
37.85	8.44	8.20	0.00
37.90	8.44	8.20	0.00
37.95	8.44	8.20	0.00
38.00	8.44	8.20	0.00
38.05	8.44	8.20	0.00
38.10	8.44	8.20	0.00
38.15	8.44	8.20	0.00
38.20	8.44	8.20	0.00
38.25	8.44	8.20	0.00
38.30	8.44	8.20	0.00
38.35	8.44	8.20	0.00
38.40	8.44	8.20	0.00
38.45	8.44	8.20	0.00
38.50	8.44	8.20	0.00
38.55	8.44	8.20	0.00
38.60	8.44	8.20	0.00
38.65	8.44	8.20	0.00
38.70	8.44	8.20	0.00
38.75	8.44	8.20	0.00
38.80	8.44	8.20	0.00
38.85	8.44	8.20	0.00
38.90	8.44	8.20	0.00
38.95	8.44	8.20	0.00
39.00	8.44	8.20	0.00
39.05	8.44	8.20	0.00
39.10	8.44	8.20	0.00
39.15	8.44	8.20	0.00
39.20	8.44	8.20	0.00
39.25	8.44	8.20	0.00
39.30	8.44	8.20	0.00
39.35	8.44	8.20	0.00
39.40	8.44	8.20	0.00
39.45	8.44	8.20	0.00
39.50	8.44	8.20	0.00
39.55	8.44	8.20	0.00
39.60	8.44	8.20	0.00
39.65	8.44	8.20	0.00
39.70	8.44	8.20	0.00
39.75	8.44	8.20	0.00
39.80	8.44	8.20	0.00
39.85	8.44	8.20	0.00
39.90	8.44	8.20	0.00
39.95	8.44	8.20	0.00
40.00	8.44	8.20	0.00

Summary for Subcatchment 57P: PDA-57 (pervious)

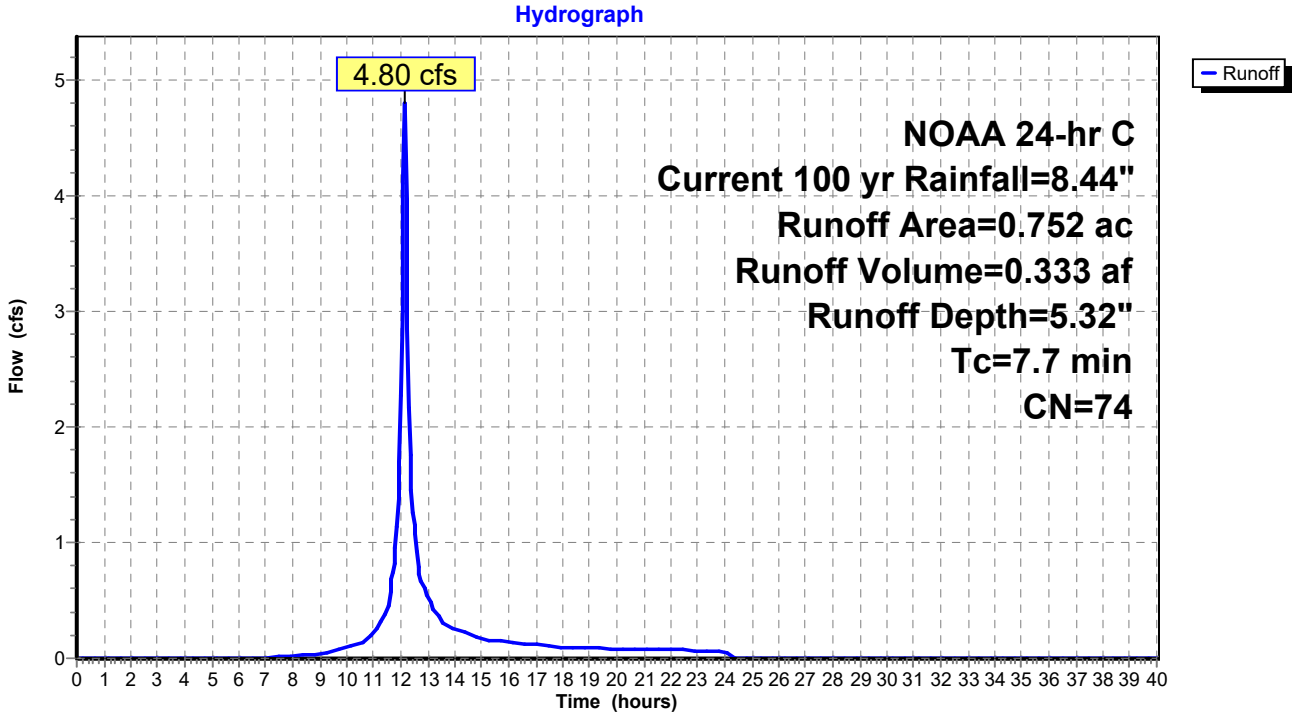
Runoff = 4.80 cfs @ 12.15 hrs, Volume= 0.333 af, Depth= 5.32"
Routed to Pond B-57 : Basin #57

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
0.752	74	>75% Grass cover, Good, HSG C
0.752		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
7.7					**Direct Entry,**

Subcatchment 57P: PDA-57 (pervious)



Hydrograph for Subcatchment 57P: PDA-57 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.02	0.02
5.25	0.57	0.00	0.00	7.85	0.98	0.02	0.02
5.30	0.58	0.00	0.00	7.90	0.99	0.02	0.02
5.35	0.58	0.00	0.00	7.95	1.00	0.02	0.02
5.40	0.59	0.00	0.00	8.00	1.01	0.02	0.02
5.45	0.60	0.00	0.00	8.05	1.02	0.03	0.02
5.50	0.60	0.00	0.00	8.10	1.03	0.03	0.02
5.55	0.61	0.00	0.00	8.15	1.04	0.03	0.02
5.60	0.62	0.00	0.00	8.20	1.05	0.03	0.03
5.65	0.62	0.00	0.00	8.25	1.06	0.03	0.03
5.70	0.63	0.00	0.00	8.30	1.07	0.04	0.03
5.75	0.64	0.00	0.00	8.35	1.08	0.04	0.03
5.80	0.64	0.00	0.00	8.40	1.10	0.04	0.03
5.85	0.65	0.00	0.00	8.45	1.11	0.04	0.03
5.90	0.66	0.00	0.00	8.50	1.12	0.04	0.03
5.95	0.66	0.00	0.00	8.55	1.13	0.05	0.03
6.00	0.67	0.00	0.00	8.60	1.14	0.05	0.03
6.05	0.68	0.00	0.00	8.65	1.15	0.05	0.03
6.10	0.68	0.00	0.00	8.70	1.16	0.05	0.04
6.15	0.69	0.00	0.00	8.75	1.17	0.06	0.04
6.20	0.70	0.00	0.00	8.80	1.19	0.06	0.04
6.25	0.70	0.00	0.00	8.85	1.20	0.06	0.04
6.30	0.71	0.00	0.00	8.90	1.21	0.06	0.04
6.35	0.72	0.00	0.00	8.95	1.22	0.07	0.04
6.40	0.73	0.00	0.00	9.00	1.23	0.07	0.04
6.45	0.73	0.00	0.00	9.05	1.25	0.07	0.04
6.50	0.74	0.00	0.00	9.10	1.26	0.08	0.04
6.55	0.75	0.00	0.00	9.15	1.27	0.08	0.05
6.60	0.76	0.00	0.00	9.20	1.28	0.08	0.05
6.65	0.77	0.00	0.00	9.25	1.30	0.09	0.05
6.70	0.77	0.00	0.00	9.30	1.31	0.09	0.05
6.75	0.78	0.00	0.00	9.35	1.33	0.09	0.06
6.80	0.79	0.00	0.00	9.40	1.34	0.10	0.06
6.85	0.80	0.00	0.01	9.45	1.35	0.10	0.06
6.90	0.81	0.00	0.01	9.50	1.37	0.11	0.06
6.95	0.81	0.00	0.01	9.55	1.39	0.11	0.06
7.00	0.82	0.00	0.01	9.60	1.40	0.12	0.07
7.05	0.83	0.00	0.01	9.65	1.42	0.12	0.07
7.10	0.84	0.01	0.01	9.70	1.43	0.13	0.07
7.15	0.85	0.01	0.01	9.75	1.45	0.13	0.08
7.20	0.86	0.01	0.01	9.80	1.47	0.14	0.08
7.25	0.87	0.01	0.01	9.85	1.49	0.14	0.08
7.30	0.88	0.01	0.01	9.90	1.50	0.15	0.08
7.35	0.89	0.01	0.01	9.95	1.52	0.15	0.09
7.40	0.89	0.01	0.01	10.00	1.54	0.16	0.09
7.45	0.90	0.01	0.01	10.05	1.56	0.17	0.09
7.50	0.91	0.01	0.01	10.10	1.58	0.17	0.10
7.55	0.92	0.01	0.01	10.15	1.60	0.18	0.10
7.60	0.93	0.01	0.02	10.20	1.62	0.19	0.10
7.65	0.94	0.02	0.02	10.25	1.64	0.20	0.11
7.70	0.95	0.02	0.02	10.30	1.66	0.20	0.11
7.75	0.96	0.02	0.02	10.35	1.68	0.21	0.11

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.22	0.12	13.00	6.41	3.54	0.53
10.45	1.72	0.23	0.12	13.05	6.45	3.57	0.50
10.50	1.74	0.24	0.12	13.10	6.48	3.59	0.47
10.55	1.76	0.25	0.13	13.15	6.51	3.62	0.45
10.60	1.79	0.26	0.14	13.20	6.54	3.65	0.43
10.65	1.81	0.27	0.14	13.25	6.57	3.67	0.41
10.70	1.84	0.28	0.15	13.30	6.60	3.70	0.39
10.75	1.87	0.29	0.16	13.35	6.63	3.72	0.38
10.80	1.90	0.30	0.17	13.40	6.65	3.74	0.36
10.85	1.93	0.32	0.19	13.45	6.68	3.76	0.35
10.90	1.96	0.33	0.20	13.50	6.70	3.78	0.33
10.95	1.99	0.35	0.21	13.55	6.72	3.80	0.32
11.00	2.03	0.36	0.22	13.60	6.74	3.82	0.30
11.05	2.06	0.38	0.23	13.65	6.76	3.84	0.29
11.10	2.10	0.40	0.25	13.70	6.78	3.85	0.28
11.15	2.14	0.42	0.27	13.75	6.80	3.87	0.27
11.20	2.19	0.44	0.29	13.80	6.82	3.89	0.27
11.25	2.23	0.46	0.31	13.85	6.84	3.91	0.27
11.30	2.28	0.49	0.34	13.90	6.86	3.92	0.26
11.35	2.33	0.52	0.36	13.95	6.88	3.94	0.26
11.40	2.38	0.54	0.38	14.00	6.90	3.96	0.25
11.45	2.44	0.57	0.41	14.05	6.92	3.97	0.25
11.50	2.49	0.60	0.43	14.10	6.94	3.99	0.24
11.55	2.58	0.65	0.47	14.15	6.95	4.00	0.24
11.60	2.66	0.70	0.57	14.20	6.97	4.02	0.24
11.65	2.75	0.76	0.68	14.25	6.99	4.03	0.23
11.70	2.84	0.81	0.75	14.30	7.01	4.05	0.23
11.75	2.97	0.89	0.82	14.35	7.02	4.06	0.22
11.80	3.09	0.97	0.96	14.40	7.04	4.08	0.22
11.85	3.26	1.08	1.13	14.45	7.05	4.09	0.22
11.90	3.43	1.19	1.37	14.50	7.07	4.10	0.21
11.95	3.73	1.40	1.69	14.55	7.09	4.12	0.21
12.00	4.02	1.61	2.27	14.60	7.10	4.13	0.20
12.05	4.52	1.98	3.00	14.65	7.11	4.14	0.20
12.10	5.01	2.37	4.10	14.70	7.13	4.15	0.20
12.15	5.18	2.51	**4.80**	14.75	7.14	4.17	0.19
12.20	5.35	2.65	3.97	14.80	7.16	4.18	0.19
12.25	5.47	2.75	2.84	14.85	7.17	4.19	0.18
12.30	5.60	2.85	2.16	14.90	7.18	4.20	0.18
12.35	5.69	2.92	1.75	14.95	7.19	4.21	0.18
12.40	5.78	3.00	1.46	15.00	7.21	4.22	0.17
12.45	5.86	3.07	1.26	15.05	7.22	4.23	0.17
12.50	5.95	3.14	1.16	15.10	7.23	4.24	0.16
12.55	6.00	3.19	1.08	15.15	7.24	4.25	0.16
12.60	6.06	3.23	0.93	15.20	7.25	4.26	0.16
12.65	6.11	3.28	0.79	15.25	7.27	4.27	0.16
12.70	6.16	3.32	0.72	15.30	7.28	4.28	0.15
12.75	6.21	3.36	0.68	15.35	7.29	4.29	0.15
12.80	6.25	3.40	0.65	15.40	7.30	4.30	0.15
12.85	6.30	3.44	0.62	15.45	7.31	4.31	0.15
12.90	6.34	3.47	0.59	15.50	7.32	4.32	0.15
12.95	6.38	3.50	0.56	15.55	7.33	4.33	0.15

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	4.34	0.15	18.20	7.80	4.75	0.09
15.65	7.36	4.35	0.15	18.25	7.80	4.75	0.09
15.70	7.37	4.36	0.15	18.30	7.81	4.76	0.09
15.75	7.38	4.37	0.14	18.35	7.82	4.76	0.09
15.80	7.39	4.38	0.14	18.40	7.82	4.77	0.09
15.85	7.40	4.39	0.14	18.45	7.83	4.78	0.09
15.90	7.41	4.40	0.14	18.50	7.84	4.78	0.09
15.95	7.42	4.41	0.14	18.55	7.84	4.79	0.09
16.00	7.43	4.42	0.14	18.60	7.85	4.79	0.09
16.05	7.44	4.43	0.14	18.65	7.86	4.80	0.09
16.10	7.45	4.44	0.14	18.70	7.86	4.80	0.09
16.15	7.46	4.44	0.14	18.75	7.87	4.81	0.09
16.20	7.47	4.45	0.14	18.80	7.88	4.82	0.09
16.25	7.48	4.46	0.13	18.85	7.88	4.82	0.09
16.30	7.49	4.47	0.13	18.90	7.89	4.83	0.09
16.35	7.50	4.48	0.13	18.95	7.90	4.83	0.09
16.40	7.51	4.49	0.13	19.00	7.90	4.84	0.09
16.45	7.52	4.50	0.13	19.05	7.91	4.84	0.09
16.50	7.53	4.50	0.13	19.10	7.92	4.85	0.09
16.55	7.54	4.51	0.13	19.15	7.92	4.86	0.09
16.60	7.55	4.52	0.13	19.20	7.93	4.86	0.09
16.65	7.55	4.53	0.13	19.25	7.93	4.87	0.09
16.70	7.56	4.54	0.12	19.30	7.94	4.87	0.09
16.75	7.57	4.55	0.12	19.35	7.95	4.88	0.09
16.80	7.58	4.55	0.12	19.40	7.95	4.88	0.08
16.85	7.59	4.56	0.12	19.45	7.96	4.89	0.08
16.90	7.60	4.57	0.12	19.50	7.97	4.90	0.08
16.95	7.61	4.58	0.12	19.55	7.97	4.90	0.08
17.00	7.62	4.58	0.12	19.60	7.98	4.91	0.08
17.05	7.63	4.59	0.12	19.65	7.98	4.91	0.08
17.10	7.63	4.60	0.12	19.70	7.99	4.92	0.08
17.15	7.64	4.61	0.11	19.75	8.00	4.92	0.08
17.20	7.65	4.61	0.11	19.80	8.00	4.93	0.08
17.25	7.66	4.62	0.11	19.85	8.01	4.93	0.08
17.30	7.67	4.63	0.11	19.90	8.01	4.94	0.08
17.35	7.67	4.64	0.11	19.95	8.02	4.94	0.08
17.40	7.68	4.64	0.11	20.00	8.03	4.95	0.08
17.45	7.69	4.65	0.11	20.05	8.03	4.96	0.08
17.50	7.70	4.66	0.11	20.10	8.04	4.96	0.08
17.55	7.71	4.66	0.11	20.15	8.04	4.97	0.08
17.60	7.71	4.67	0.10	20.20	8.05	4.97	0.08
17.65	7.72	4.68	0.10	20.25	8.06	4.98	0.08
17.70	7.73	4.68	0.10	20.30	8.06	4.98	0.08
17.75	7.74	4.69	0.10	20.35	8.07	4.99	0.08
17.80	7.74	4.70	0.10	20.40	8.07	4.99	0.08
17.85	7.75	4.70	0.10	20.45	8.08	5.00	0.08
17.90	7.76	4.71	0.10	20.50	8.09	5.00	0.08
17.95	7.76	4.72	0.10	20.55	8.09	5.01	0.08
18.00	7.77	4.72	0.10	20.60	8.10	5.01	0.08
18.05	7.78	4.73	0.09	20.65	8.10	5.02	0.08
18.10	7.78	4.73	0.09	20.70	8.11	5.02	0.08
18.15	7.79	4.74	0.09	20.75	8.11	5.03	0.08

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	5.03	0.08	23.40	8.38	5.27	0.06
20.85	8.13	5.04	0.08	23.45	8.39	5.28	0.06
20.90	8.13	5.04	0.08	23.50	8.39	5.28	0.06
20.95	8.14	5.05	0.08	23.55	8.40	5.28	0.06
21.00	8.14	5.05	0.08	23.60	8.40	5.29	0.06
21.05	8.15	5.06	0.08	23.65	8.41	5.29	0.06
21.10	8.15	5.06	0.08	23.70	8.41	5.30	0.06
21.15	8.16	5.07	0.08	23.75	8.42	5.30	0.06
21.20	8.16	5.07	0.08	23.80	8.42	5.30	0.06
21.25	8.17	5.08	0.07	23.85	8.42	5.31	0.06
21.30	8.18	5.08	0.07	23.90	8.43	5.31	0.06
21.35	8.18	5.09	0.07	23.95	8.43	5.32	0.06
21.40	8.19	5.09	0.07	24.00	**8.44**	**5.32**	0.07
21.45	8.19	5.10	0.07	24.05	8.44	5.32	0.06
21.50	8.20	5.10	0.07	24.10	8.44	5.32	0.04
21.55	8.20	5.11	0.07	24.15	8.44	5.32	0.02
21.60	8.21	5.11	0.07	24.20	8.44	5.32	0.01
21.65	8.21	5.12	0.07	24.25	8.44	5.32	0.00
21.70	8.22	5.12	0.07	24.30	8.44	5.32	0.00
21.75	8.22	5.13	0.07	24.35	8.44	5.32	0.00
21.80	8.23	5.13	0.07	24.40	8.44	5.32	0.00
21.85	8.23	5.14	0.07	24.45	8.44	5.32	0.00
21.90	8.24	5.14	0.07	24.50	8.44	5.32	0.00
21.95	8.24	5.14	0.07	24.55	8.44	5.32	0.00
22.00	8.25	5.15	0.07	24.60	8.44	5.32	0.00
22.05	8.25	5.15	0.07	24.65	8.44	5.32	0.00
22.10	8.26	5.16	0.07	24.70	8.44	5.32	0.00
22.15	8.26	5.16	0.07	24.75	8.44	5.32	0.00
22.20	8.27	5.17	0.07	24.80	8.44	5.32	0.00
22.25	8.27	5.17	0.07	24.85	8.44	5.32	0.00
22.30	8.28	5.18	0.07	24.90	8.44	5.32	0.00
22.35	8.28	5.18	0.07	24.95	8.44	5.32	0.00
22.40	8.29	5.19	0.07	25.00	8.44	5.32	0.00
22.45	8.29	5.19	0.07	25.05	8.44	5.32	0.00
22.50	8.30	5.19	0.07	25.10	8.44	5.32	0.00
22.55	8.30	5.20	0.07	25.15	8.44	5.32	0.00
22.60	8.31	5.20	0.07	25.20	8.44	5.32	0.00
22.65	8.31	5.21	0.07	25.25	8.44	5.32	0.00
22.70	8.32	5.21	0.07	25.30	8.44	5.32	0.00
22.75	8.32	5.22	0.07	25.35	8.44	5.32	0.00
22.80	8.33	5.22	0.07	25.40	8.44	5.32	0.00
22.85	8.33	5.22	0.07	25.45	8.44	5.32	0.00
22.90	8.34	5.23	0.07	25.50	8.44	5.32	0.00
22.95	8.34	5.23	0.07	25.55	8.44	5.32	0.00
23.00	8.35	5.24	0.07	25.60	8.44	5.32	0.00
23.05	8.35	5.24	0.07	25.65	8.44	5.32	0.00
23.10	8.36	5.25	0.06	25.70	8.44	5.32	0.00
23.15	8.36	5.25	0.06	25.75	8.44	5.32	0.00
23.20	8.37	5.25	0.06	25.80	8.44	5.32	0.00
23.25	8.37	5.26	0.06	25.85	8.44	5.32	0.00
23.30	8.38	5.26	0.06	25.90	8.44	5.32	0.00
23.35	8.38	5.27	0.06	25.95	8.44	5.32	0.00

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	5.32	0.00	28.60	8.44	5.32	0.00
26.05	8.44	5.32	0.00	28.65	8.44	5.32	0.00
26.10	8.44	5.32	0.00	28.70	8.44	5.32	0.00
26.15	8.44	5.32	0.00	28.75	8.44	5.32	0.00
26.20	8.44	5.32	0.00	28.80	8.44	5.32	0.00
26.25	8.44	5.32	0.00	28.85	8.44	5.32	0.00
26.30	8.44	5.32	0.00	28.90	8.44	5.32	0.00
26.35	8.44	5.32	0.00	28.95	8.44	5.32	0.00
26.40	8.44	5.32	0.00	29.00	8.44	5.32	0.00
26.45	8.44	5.32	0.00	29.05	8.44	5.32	0.00
26.50	8.44	5.32	0.00	29.10	8.44	5.32	0.00
26.55	8.44	5.32	0.00	29.15	8.44	5.32	0.00
26.60	8.44	5.32	0.00	29.20	8.44	5.32	0.00
26.65	8.44	5.32	0.00	29.25	8.44	5.32	0.00
26.70	8.44	5.32	0.00	29.30	8.44	5.32	0.00
26.75	8.44	5.32	0.00	29.35	8.44	5.32	0.00
26.80	8.44	5.32	0.00	29.40	8.44	5.32	0.00
26.85	8.44	5.32	0.00	29.45	8.44	5.32	0.00
26.90	8.44	5.32	0.00	29.50	8.44	5.32	0.00
26.95	8.44	5.32	0.00	29.55	8.44	5.32	0.00
27.00	8.44	5.32	0.00	29.60	8.44	5.32	0.00
27.05	8.44	5.32	0.00	29.65	8.44	5.32	0.00
27.10	8.44	5.32	0.00	29.70	8.44	5.32	0.00
27.15	8.44	5.32	0.00	29.75	8.44	5.32	0.00
27.20	8.44	5.32	0.00	29.80	8.44	5.32	0.00
27.25	8.44	5.32	0.00	29.85	8.44	5.32	0.00
27.30	8.44	5.32	0.00	29.90	8.44	5.32	0.00
27.35	8.44	5.32	0.00	29.95	8.44	5.32	0.00
27.40	8.44	5.32	0.00	30.00	8.44	5.32	0.00
27.45	8.44	5.32	0.00	30.05	8.44	5.32	0.00
27.50	8.44	5.32	0.00	30.10	8.44	5.32	0.00
27.55	8.44	5.32	0.00	30.15	8.44	5.32	0.00
27.60	8.44	5.32	0.00	30.20	8.44	5.32	0.00
27.65	8.44	5.32	0.00	30.25	8.44	5.32	0.00
27.70	8.44	5.32	0.00	30.30	8.44	5.32	0.00
27.75	8.44	5.32	0.00	30.35	8.44	5.32	0.00
27.80	8.44	5.32	0.00	30.40	8.44	5.32	0.00
27.85	8.44	5.32	0.00	30.45	8.44	5.32	0.00
27.90	8.44	5.32	0.00	30.50	8.44	5.32	0.00
27.95	8.44	5.32	0.00	30.55	8.44	5.32	0.00
28.00	8.44	5.32	0.00	30.60	8.44	5.32	0.00
28.05	8.44	5.32	0.00	30.65	8.44	5.32	0.00
28.10	8.44	5.32	0.00	30.70	8.44	5.32	0.00
28.15	8.44	5.32	0.00	30.75	8.44	5.32	0.00
28.20	8.44	5.32	0.00	30.80	8.44	5.32	0.00
28.25	8.44	5.32	0.00	30.85	8.44	5.32	0.00
28.30	8.44	5.32	0.00	30.90	8.44	5.32	0.00
28.35	8.44	5.32	0.00	30.95	8.44	5.32	0.00
28.40	8.44	5.32	0.00	31.00	8.44	5.32	0.00
28.45	8.44	5.32	0.00	31.05	8.44	5.32	0.00
28.50	8.44	5.32	0.00	31.10	8.44	5.32	0.00
28.55	8.44	5.32	0.00	31.15	8.44	5.32	0.00

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	5.32	0.00	33.80	8.44	5.32	0.00
31.25	8.44	5.32	0.00	33.85	8.44	5.32	0.00
31.30	8.44	5.32	0.00	33.90	8.44	5.32	0.00
31.35	8.44	5.32	0.00	33.95	8.44	5.32	0.00
31.40	8.44	5.32	0.00	34.00	8.44	5.32	0.00
31.45	8.44	5.32	0.00	34.05	8.44	5.32	0.00
31.50	8.44	5.32	0.00	34.10	8.44	5.32	0.00
31.55	8.44	5.32	0.00	34.15	8.44	5.32	0.00
31.60	8.44	5.32	0.00	34.20	8.44	5.32	0.00
31.65	8.44	5.32	0.00	34.25	8.44	5.32	0.00
31.70	8.44	5.32	0.00	34.30	8.44	5.32	0.00
31.75	8.44	5.32	0.00	34.35	8.44	5.32	0.00
31.80	8.44	5.32	0.00	34.40	8.44	5.32	0.00
31.85	8.44	5.32	0.00	34.45	8.44	5.32	0.00
31.90	8.44	5.32	0.00	34.50	8.44	5.32	0.00
31.95	8.44	5.32	0.00	34.55	8.44	5.32	0.00
32.00	8.44	5.32	0.00	34.60	8.44	5.32	0.00
32.05	8.44	5.32	0.00	34.65	8.44	5.32	0.00
32.10	8.44	5.32	0.00	34.70	8.44	5.32	0.00
32.15	8.44	5.32	0.00	34.75	8.44	5.32	0.00
32.20	8.44	5.32	0.00	34.80	8.44	5.32	0.00
32.25	8.44	5.32	0.00	34.85	8.44	5.32	0.00
32.30	8.44	5.32	0.00	34.90	8.44	5.32	0.00
32.35	8.44	5.32	0.00	34.95	8.44	5.32	0.00
32.40	8.44	5.32	0.00	35.00	8.44	5.32	0.00
32.45	8.44	5.32	0.00	35.05	8.44	5.32	0.00
32.50	8.44	5.32	0.00	35.10	8.44	5.32	0.00
32.55	8.44	5.32	0.00	35.15	8.44	5.32	0.00
32.60	8.44	5.32	0.00	35.20	8.44	5.32	0.00
32.65	8.44	5.32	0.00	35.25	8.44	5.32	0.00
32.70	8.44	5.32	0.00	35.30	8.44	5.32	0.00
32.75	8.44	5.32	0.00	35.35	8.44	5.32	0.00
32.80	8.44	5.32	0.00	35.40	8.44	5.32	0.00
32.85	8.44	5.32	0.00	35.45	8.44	5.32	0.00
32.90	8.44	5.32	0.00	35.50	8.44	5.32	0.00
32.95	8.44	5.32	0.00	35.55	8.44	5.32	0.00
33.00	8.44	5.32	0.00	35.60	8.44	5.32	0.00
33.05	8.44	5.32	0.00	35.65	8.44	5.32	0.00
33.10	8.44	5.32	0.00	35.70	8.44	5.32	0.00
33.15	8.44	5.32	0.00	35.75	8.44	5.32	0.00
33.20	8.44	5.32	0.00	35.80	8.44	5.32	0.00
33.25	8.44	5.32	0.00	35.85	8.44	5.32	0.00
33.30	8.44	5.32	0.00	35.90	8.44	5.32	0.00
33.35	8.44	5.32	0.00	35.95	8.44	5.32	0.00
33.40	8.44	5.32	0.00	36.00	8.44	5.32	0.00
33.45	8.44	5.32	0.00	36.05	8.44	5.32	0.00
33.50	8.44	5.32	0.00	36.10	8.44	5.32	0.00
33.55	8.44	5.32	0.00	36.15	8.44	5.32	0.00
33.60	8.44	5.32	0.00	36.20	8.44	5.32	0.00
33.65	8.44	5.32	0.00	36.25	8.44	5.32	0.00
33.70	8.44	5.32	0.00	36.30	8.44	5.32	0.00
33.75	8.44	5.32	0.00	36.35	8.44	5.32	0.00

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	5.32	0.00
36.45	8.44	5.32	0.00
36.50	8.44	5.32	0.00
36.55	8.44	5.32	0.00
36.60	8.44	5.32	0.00
36.65	8.44	5.32	0.00
36.70	8.44	5.32	0.00
36.75	8.44	5.32	0.00
36.80	8.44	5.32	0.00
36.85	8.44	5.32	0.00
36.90	8.44	5.32	0.00
36.95	8.44	5.32	0.00
37.00	8.44	5.32	0.00
37.05	8.44	5.32	0.00
37.10	8.44	5.32	0.00
37.15	8.44	5.32	0.00
37.20	8.44	5.32	0.00
37.25	8.44	5.32	0.00
37.30	8.44	5.32	0.00
37.35	8.44	5.32	0.00
37.40	8.44	5.32	0.00
37.45	8.44	5.32	0.00
37.50	8.44	5.32	0.00
37.55	8.44	5.32	0.00
37.60	8.44	5.32	0.00
37.65	8.44	5.32	0.00
37.70	8.44	5.32	0.00
37.75	8.44	5.32	0.00
37.80	8.44	5.32	0.00
37.85	8.44	5.32	0.00
37.90	8.44	5.32	0.00
37.95	8.44	5.32	0.00
38.00	8.44	5.32	0.00
38.05	8.44	5.32	0.00
38.10	8.44	5.32	0.00
38.15	8.44	5.32	0.00
38.20	8.44	5.32	0.00
38.25	8.44	5.32	0.00
38.30	8.44	5.32	0.00
38.35	8.44	5.32	0.00
38.40	8.44	5.32	0.00
38.45	8.44	5.32	0.00
38.50	8.44	5.32	0.00
38.55	8.44	5.32	0.00
38.60	8.44	5.32	0.00
38.65	8.44	5.32	0.00
38.70	8.44	5.32	0.00
38.75	8.44	5.32	0.00
38.80	8.44	5.32	0.00
38.85	8.44	5.32	0.00
38.90	8.44	5.32	0.00
38.95	8.44	5.32	0.00
39.00	8.44	5.32	0.00
39.05	8.44	5.32	0.00
39.10	8.44	5.32	0.00
39.15	8.44	5.32	0.00
39.20	8.44	5.32	0.00
39.25	8.44	5.32	0.00
39.30	8.44	5.32	0.00
39.35	8.44	5.32	0.00
39.40	8.44	5.32	0.00
39.45	8.44	5.32	0.00
39.50	8.44	5.32	0.00
39.55	8.44	5.32	0.00
39.60	8.44	5.32	0.00
39.65	8.44	5.32	0.00
39.70	8.44	5.32	0.00
39.75	8.44	5.32	0.00
39.80	8.44	5.32	0.00
39.85	8.44	5.32	0.00
39.90	8.44	5.32	0.00
39.95	8.44	5.32	0.00
40.00	8.44	5.32	0.00

Summary for Subcatchment 58I: PDA-58 (impervious)

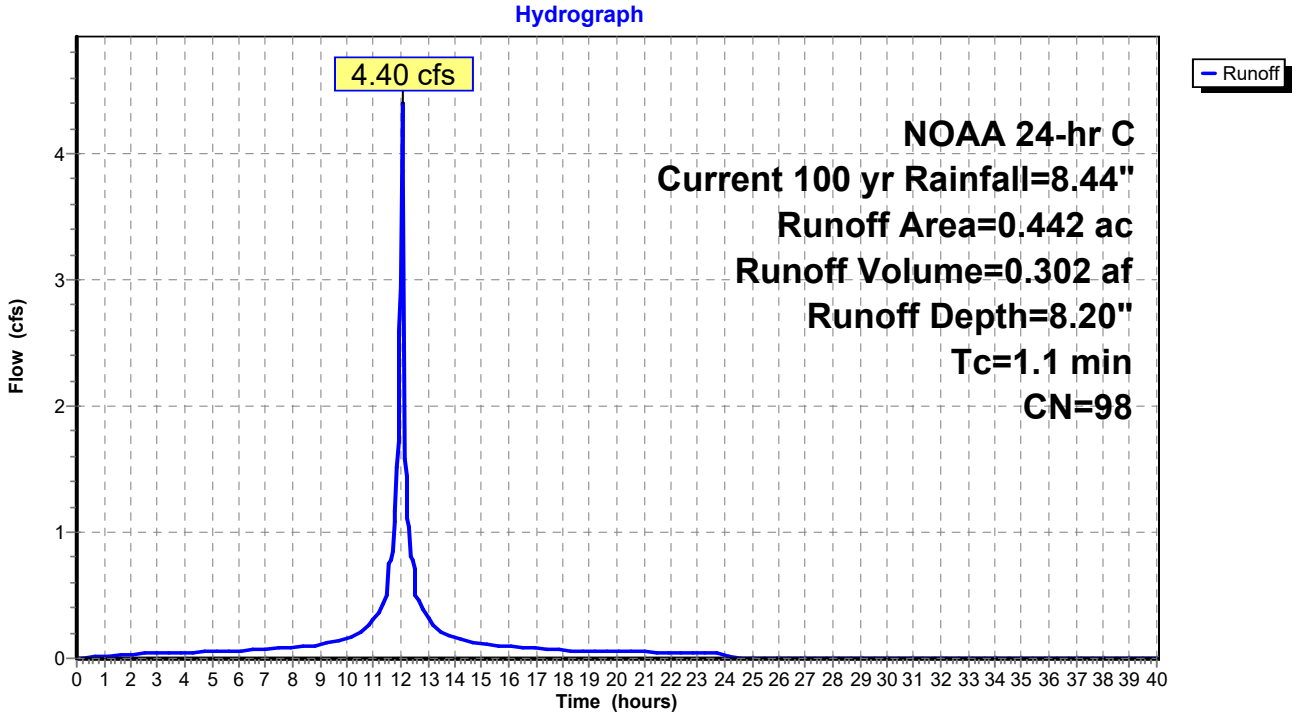
Runoff = 4.40 cfs @ 12.06 hrs, Volume= 0.302 af, Depth= 8.20"
Routed to Pond B-58 : Basin #58

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

	Area (ac)	CN	Description
*	0.442	98	Roof, HSG C
*	0.000	98	Concrete, HSG C
	0.442	98	Weighted Average
	0.442		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.1					**Direct Entry,**

Subcatchment 58I: PDA-58 (impervious)



Hydrograph for Subcatchment 58I: PDA-58 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.11	0.04
0.05	0.01	0.00	0.00	2.65	0.26	0.11	0.04
0.10	0.01	0.00	0.00	2.70	0.26	0.12	0.04
0.15	0.02	0.00	0.00	2.75	0.27	0.12	0.04
0.20	0.02	0.00	0.00	2.80	0.28	0.13	0.04
0.25	0.02	0.00	0.00	2.85	0.28	0.13	0.04
0.30	0.03	0.00	0.00	2.90	0.29	0.13	0.04
0.35	0.03	0.00	0.00	2.95	0.29	0.14	0.04
0.40	0.04	0.00	0.00	3.00	0.30	0.14	0.04
0.45	0.04	0.00	0.00	3.05	0.30	0.15	0.04
0.50	0.05	0.00	0.00	3.10	0.31	0.15	0.04
0.55	0.05	0.00	0.00	3.15	0.31	0.16	0.04
0.60	0.06	0.00	0.00	3.20	0.32	0.16	0.04
0.65	0.06	0.00	0.01	3.25	0.33	0.17	0.04
0.70	0.06	0.00	0.01	3.30	0.33	0.17	0.04
0.75	0.07	0.00	0.01	3.35	0.34	0.18	0.04
0.80	0.07	0.00	0.01	3.40	0.34	0.18	0.04
0.85	0.08	0.01	0.01	3.45	0.35	0.19	0.04
0.90	0.08	0.01	0.01	3.50	0.35	0.19	0.04
0.95	0.09	0.01	0.01	3.55	0.36	0.19	0.04
1.00	0.09	0.01	0.01	3.60	0.37	0.20	0.04
1.05	0.10	0.01	0.02	3.65	0.37	0.20	0.04
1.10	0.10	0.01	0.02	3.70	0.38	0.21	0.04
1.15	0.11	0.02	0.02	3.75	0.38	0.21	0.04
1.20	0.11	0.02	0.02	3.80	0.39	0.22	0.05
1.25	0.12	0.02	0.02	3.85	0.40	0.22	0.05
1.30	0.12	0.02	0.02	3.90	0.40	0.23	0.05
1.35	0.13	0.02	0.02	3.95	0.41	0.24	0.05
1.40	0.13	0.03	0.02	4.00	0.41	0.24	0.05
1.45	0.14	0.03	0.02	4.05	0.42	0.25	0.05
1.50	0.14	0.03	0.02	4.10	0.43	0.25	0.05
1.55	0.15	0.04	0.02	4.15	0.43	0.26	0.05
1.60	0.15	0.04	0.03	4.20	0.44	0.26	0.05
1.65	0.16	0.04	0.03	4.25	0.44	0.27	0.05
1.70	0.16	0.04	0.03	4.30	0.45	0.27	0.05
1.75	0.17	0.05	0.03	4.35	0.46	0.28	0.05
1.80	0.17	0.05	0.03	4.40	0.46	0.28	0.05
1.85	0.18	0.05	0.03	4.45	0.47	0.29	0.05
1.90	0.18	0.06	0.03	4.50	0.47	0.29	0.05
1.95	0.19	0.06	0.03	4.55	0.48	0.30	0.05
2.00	0.19	0.06	0.03	4.60	0.49	0.31	0.05
2.05	0.20	0.07	0.03	4.65	0.49	0.31	0.05
2.10	0.20	0.07	0.03	4.70	0.50	0.32	0.05
2.15	0.21	0.07	0.03	4.75	0.51	0.32	0.05
2.20	0.21	0.08	0.03	4.80	0.51	0.33	0.05
2.25	0.22	0.08	0.03	4.85	0.52	0.33	0.05
2.30	0.22	0.09	0.03	4.90	0.52	0.34	0.05
2.35	0.23	0.09	0.03	4.95	0.53	0.35	0.05
2.40	0.23	0.09	0.03	5.00	0.54	0.35	0.05
2.45	0.24	0.10	0.04	5.05	0.54	0.36	0.05
2.50	0.24	0.10	0.04	5.10	0.55	0.36	0.05
2.55	0.25	0.10	0.04	5.15	0.56	0.37	0.05

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.38	0.05	7.80	0.97	0.76	0.08
5.25	0.57	0.38	0.05	7.85	0.98	0.77	0.09
5.30	0.58	0.39	0.05	7.90	0.99	0.78	0.09
5.35	0.58	0.39	0.05	7.95	1.00	0.79	0.09
5.40	0.59	0.40	0.05	8.00	1.01	0.80	0.09
5.45	0.60	0.41	0.05	8.05	1.02	0.81	0.09
5.50	0.60	0.41	0.05	8.10	1.03	0.82	0.09
5.55	0.61	0.42	0.05	8.15	1.04	0.83	0.09
5.60	0.62	0.42	0.06	8.20	1.05	0.84	0.09
5.65	0.62	0.43	0.06	8.25	1.06	0.85	0.09
5.70	0.63	0.44	0.06	8.30	1.07	0.86	0.09
5.75	0.64	0.44	0.06	8.35	1.08	0.87	0.09
5.80	0.64	0.45	0.06	8.40	1.10	0.88	0.09
5.85	0.65	0.45	0.06	8.45	1.11	0.89	0.10
5.90	0.66	0.46	0.06	8.50	1.12	0.91	0.10
5.95	0.66	0.47	0.06	8.55	1.13	0.92	0.10
6.00	0.67	0.47	0.06	8.60	1.14	0.93	0.10
6.05	0.68	0.48	0.06	8.65	1.15	0.94	0.10
6.10	0.68	0.49	0.06	8.70	1.16	0.95	0.10
6.15	0.69	0.49	0.06	8.75	1.17	0.96	0.10
6.20	0.70	0.50	0.06	8.80	1.19	0.97	0.10
6.25	0.70	0.51	0.06	8.85	1.20	0.98	0.10
6.30	0.71	0.51	0.06	8.90	1.21	0.99	0.10
6.35	0.72	0.52	0.06	8.95	1.22	1.01	0.10
6.40	0.73	0.53	0.06	9.00	1.23	1.02	0.10
6.45	0.73	0.54	0.06	9.05	1.25	1.03	0.11
6.50	0.74	0.54	0.06	9.10	1.26	1.04	0.11
6.55	0.75	0.55	0.07	9.15	1.27	1.05	0.11
6.60	0.76	0.56	0.07	9.20	1.28	1.07	0.12
6.65	0.77	0.57	0.07	9.25	1.30	1.08	0.12
6.70	0.77	0.57	0.07	9.30	1.31	1.09	0.12
6.75	0.78	0.58	0.07	9.35	1.33	1.11	0.13
6.80	0.79	0.59	0.07	9.40	1.34	1.12	0.13
6.85	0.80	0.60	0.07	9.45	1.35	1.14	0.13
6.90	0.81	0.60	0.07	9.50	1.37	1.15	0.13
6.95	0.81	0.61	0.07	9.55	1.39	1.17	0.14
7.00	0.82	0.62	0.07	9.60	1.40	1.18	0.14
7.05	0.83	0.63	0.07	9.65	1.42	1.20	0.14
7.10	0.84	0.64	0.07	9.70	1.43	1.21	0.14
7.15	0.85	0.65	0.08	9.75	1.45	1.23	0.15
7.20	0.86	0.65	0.08	9.80	1.47	1.25	0.15
7.25	0.87	0.66	0.08	9.85	1.49	1.27	0.15
7.30	0.88	0.67	0.08	9.90	1.50	1.28	0.16
7.35	0.89	0.68	0.08	9.95	1.52	1.30	0.16
7.40	0.89	0.69	0.08	10.00	1.54	1.32	0.16
7.45	0.90	0.70	0.08	10.05	1.56	1.34	0.16
7.50	0.91	0.71	0.08	10.10	1.58	1.36	0.17
7.55	0.92	0.72	0.08	10.15	1.60	1.37	0.17
7.60	0.93	0.73	0.08	10.20	1.62	1.39	0.17
7.65	0.94	0.73	0.08	10.25	1.64	1.41	0.18
7.70	0.95	0.74	0.08	10.30	1.66	1.43	0.18
7.75	0.96	0.75	0.08	10.35	1.68	1.45	0.18

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	1.47	0.18	13.00	6.41	6.18	0.33
10.45	1.72	1.50	0.19	13.05	6.45	6.21	0.30
10.50	1.74	1.52	0.19	13.10	6.48	6.24	0.29
10.55	1.76	1.54	0.21	13.15	6.51	6.27	0.28
10.60	1.79	1.56	0.21	13.20	6.54	6.30	0.27
10.65	1.81	1.59	0.23	13.25	6.57	6.33	0.26
10.70	1.84	1.62	0.23	13.30	6.60	6.36	0.25
10.75	1.87	1.64	0.25	13.35	6.63	6.39	0.23
10.80	1.90	1.67	0.26	13.40	6.65	6.41	0.23
10.85	1.93	1.70	0.27	13.45	6.68	6.44	0.21
10.90	1.96	1.73	0.28	13.50	6.70	6.46	0.21
10.95	1.99	1.77	0.30	13.55	6.72	6.48	0.19
11.00	2.03	1.80	0.30	13.60	6.74	6.50	0.19
11.05	2.06	1.84	0.33	13.65	6.76	6.53	0.18
11.10	2.10	1.87	0.34	13.70	6.78	6.55	0.18
11.15	2.14	1.92	0.38	13.75	6.80	6.57	0.18
11.20	2.19	1.96	0.38	13.80	6.82	6.59	0.18
11.25	2.23	2.01	0.42	13.85	6.84	6.61	0.17
11.30	2.28	2.05	0.42	13.90	6.86	6.62	0.17
11.35	2.33	2.10	0.46	13.95	6.88	6.64	0.17
11.40	2.38	2.16	0.46	14.00	6.90	6.66	0.17
11.45	2.44	2.21	0.49	14.05	6.92	6.68	0.16
11.50	2.49	2.26	0.54	14.10	6.94	6.70	0.16
11.55	2.58	2.35	0.75	14.15	6.95	6.72	0.16
11.60	2.66	2.43	0.76	14.20	6.97	6.73	0.16
11.65	2.75	2.52	0.80	14.25	6.99	6.75	0.15
11.70	2.84	2.61	0.85	14.30	7.01	6.77	0.15
11.75	2.97	2.74	1.09	14.35	7.02	6.78	0.14
11.80	3.09	2.86	1.17	14.40	7.04	6.80	0.14
11.85	3.26	3.03	1.51	14.45	7.05	6.82	0.14
11.90	3.43	3.20	1.72	14.50	7.07	6.83	0.14
11.95	3.73	3.49	2.60	14.55	7.09	6.85	0.13
12.00	4.02	3.79	2.94	14.60	7.10	6.86	0.13
12.05	4.52	4.28	**4.35**	14.65	7.11	6.88	0.13
12.10	5.01	4.77	3.87	14.70	7.13	6.89	0.13
12.15	5.18	4.94	1.58	14.75	7.14	6.90	0.12
12.20	5.35	5.11	1.44	14.80	7.16	6.92	0.12
12.25	5.47	5.24	1.10	14.85	7.17	6.93	0.12
12.30	5.60	5.36	1.04	14.90	7.18	6.94	0.12
12.35	5.69	5.45	0.81	14.95	7.19	6.96	0.11
12.40	5.78	5.54	0.79	15.00	7.21	6.97	0.11
12.45	5.86	5.62	0.76	15.05	7.22	6.98	0.11
12.50	5.95	5.71	0.71	15.10	7.23	6.99	0.11
12.55	6.00	5.76	0.50	15.15	7.24	7.00	0.10
12.60	6.06	5.82	0.48	15.20	7.25	7.02	0.10
12.65	6.11	5.87	0.46	15.25	7.27	7.03	0.10
12.70	6.16	5.92	0.45	15.30	7.28	7.04	0.10
12.75	6.21	5.97	0.42	15.35	7.29	7.05	0.10
12.80	6.25	6.02	0.41	15.40	7.30	7.06	0.10
12.85	6.30	6.06	0.38	15.45	7.31	7.07	0.10
12.90	6.34	6.10	0.37	15.50	7.32	7.08	0.10
12.95	6.38	6.14	0.34	15.55	7.33	7.09	0.10

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	7.10	0.10	18.20	7.80	7.56	0.06
15.65	7.36	7.12	0.10	18.25	7.80	7.57	0.06
15.70	7.37	7.13	0.10	18.30	7.81	7.57	0.06
15.75	7.38	7.14	0.09	18.35	7.82	7.58	0.06
15.80	7.39	7.15	0.09	18.40	7.82	7.59	0.06
15.85	7.40	7.16	0.09	18.45	7.83	7.59	0.06
15.90	7.41	7.17	0.09	18.50	7.84	7.60	0.06
15.95	7.42	7.18	0.09	18.55	7.84	7.61	0.06
16.00	7.43	7.19	0.09	18.60	7.85	7.61	0.06
16.05	7.44	7.20	0.09	18.65	7.86	7.62	0.06
16.10	7.45	7.21	0.09	18.70	7.86	7.62	0.06
16.15	7.46	7.22	0.09	18.75	7.87	7.63	0.06
16.20	7.47	7.23	0.09	18.80	7.88	7.64	0.06
16.25	7.48	7.24	0.09	18.85	7.88	7.64	0.06
16.30	7.49	7.25	0.09	18.90	7.89	7.65	0.06
16.35	7.50	7.26	0.09	18.95	7.90	7.66	0.06
16.40	7.51	7.27	0.09	19.00	7.90	7.66	0.06
16.45	7.52	7.28	0.08	19.05	7.91	7.67	0.06
16.50	7.53	7.29	0.08	19.10	7.92	7.68	0.06
16.55	7.54	7.30	0.08	19.15	7.92	7.68	0.06
16.60	7.55	7.31	0.08	19.20	7.93	7.69	0.06
16.65	7.55	7.32	0.08	19.25	7.93	7.70	0.06
16.70	7.56	7.32	0.08	19.30	7.94	7.70	0.06
16.75	7.57	7.33	0.08	19.35	7.95	7.71	0.06
16.80	7.58	7.34	0.08	19.40	7.95	7.71	0.06
16.85	7.59	7.35	0.08	19.45	7.96	7.72	0.06
16.90	7.60	7.36	0.08	19.50	7.97	7.73	0.06
16.95	7.61	7.37	0.08	19.55	7.97	7.73	0.05
17.00	7.62	7.38	0.08	19.60	7.98	7.74	0.05
17.05	7.63	7.39	0.08	19.65	7.98	7.74	0.05
17.10	7.63	7.39	0.08	19.70	7.99	7.75	0.05
17.15	7.64	7.40	0.07	19.75	8.00	7.76	0.05
17.20	7.65	7.41	0.07	19.80	8.00	7.76	0.05
17.25	7.66	7.42	0.07	19.85	8.01	7.77	0.05
17.30	7.67	7.43	0.07	19.90	8.01	7.78	0.05
17.35	7.67	7.43	0.07	19.95	8.02	7.78	0.05
17.40	7.68	7.44	0.07	20.00	8.03	7.79	0.05
17.45	7.69	7.45	0.07	20.05	8.03	7.79	0.05
17.50	7.70	7.46	0.07	20.10	8.04	7.80	0.05
17.55	7.71	7.47	0.07	20.15	8.04	7.80	0.05
17.60	7.71	7.47	0.07	20.20	8.05	7.81	0.05
17.65	7.72	7.48	0.07	20.25	8.06	7.82	0.05
17.70	7.73	7.49	0.07	20.30	8.06	7.82	0.05
17.75	7.74	7.50	0.07	20.35	8.07	7.83	0.05
17.80	7.74	7.50	0.06	20.40	8.07	7.83	0.05
17.85	7.75	7.51	0.06	20.45	8.08	7.84	0.05
17.90	7.76	7.52	0.06	20.50	8.09	7.85	0.05
17.95	7.76	7.52	0.06	20.55	8.09	7.85	0.05
18.00	7.77	7.53	0.06	20.60	8.10	7.86	0.05
18.05	7.78	7.54	0.06	20.65	8.10	7.86	0.05
18.10	7.78	7.55	0.06	20.70	8.11	7.87	0.05
18.15	7.79	7.55	0.06	20.75	8.11	7.87	0.05

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	7.88	0.05	23.40	8.38	8.14	0.04
20.85	8.13	7.89	0.05	23.45	8.39	8.15	0.04
20.90	8.13	7.89	0.05	23.50	8.39	8.15	0.04
20.95	8.14	7.90	0.05	23.55	8.40	8.16	0.04
21.00	8.14	7.90	0.05	23.60	8.40	8.16	0.04
21.05	8.15	7.91	0.05	23.65	8.41	8.17	0.04
21.10	8.15	7.91	0.05	23.70	8.41	8.17	0.04
21.15	8.16	7.92	0.05	23.75	8.42	8.18	0.04
21.20	8.16	7.92	0.05	23.80	8.42	8.18	0.04
21.25	8.17	7.93	0.05	23.85	8.42	8.18	0.04
21.30	8.18	7.94	0.05	23.90	8.43	8.19	0.04
21.35	8.18	7.94	0.05	23.95	8.43	8.19	0.05
21.40	8.19	7.95	0.05	24.00	**8.44**	**8.20**	0.04
21.45	8.19	7.95	0.05	24.05	8.44	8.20	0.00
21.50	8.20	7.96	0.05	24.10	8.44	8.20	0.00
21.55	8.20	7.96	0.05	24.15	8.44	8.20	0.00
21.60	8.21	7.97	0.05	24.20	8.44	8.20	0.00
21.65	8.21	7.97	0.05	24.25	8.44	8.20	0.00
21.70	8.22	7.98	0.05	24.30	8.44	8.20	0.00
21.75	8.22	7.98	0.05	24.35	8.44	8.20	0.00
21.80	8.23	7.99	0.05	24.40	8.44	8.20	0.00
21.85	8.23	7.99	0.05	24.45	8.44	8.20	0.00
21.90	8.24	8.00	0.05	24.50	8.44	8.20	0.00
21.95	8.24	8.00	0.05	24.55	8.44	8.20	0.00
22.00	8.25	8.01	0.05	24.60	8.44	8.20	0.00
22.05	8.25	8.01	0.05	24.65	8.44	8.20	0.00
22.10	8.26	8.02	0.05	24.70	8.44	8.20	0.00
22.15	8.26	8.02	0.05	24.75	8.44	8.20	0.00
22.20	8.27	8.03	0.05	24.80	8.44	8.20	0.00
22.25	8.27	8.03	0.04	24.85	8.44	8.20	0.00
22.30	8.28	8.04	0.04	24.90	8.44	8.20	0.00
22.35	8.28	8.04	0.04	24.95	8.44	8.20	0.00
22.40	8.29	8.05	0.04	25.00	8.44	8.20	0.00
22.45	8.29	8.05	0.04	25.05	8.44	8.20	0.00
22.50	8.30	8.06	0.04	25.10	8.44	8.20	0.00
22.55	8.30	8.06	0.04	25.15	8.44	8.20	0.00
22.60	8.31	8.07	0.04	25.20	8.44	8.20	0.00
22.65	8.31	8.07	0.04	25.25	8.44	8.20	0.00
22.70	8.32	8.08	0.04	25.30	8.44	8.20	0.00
22.75	8.32	8.08	0.04	25.35	8.44	8.20	0.00
22.80	8.33	8.09	0.04	25.40	8.44	8.20	0.00
22.85	8.33	8.09	0.04	25.45	8.44	8.20	0.00
22.90	8.34	8.10	0.04	25.50	8.44	8.20	0.00
22.95	8.34	8.10	0.04	25.55	8.44	8.20	0.00
23.00	8.35	8.11	0.04	25.60	8.44	8.20	0.00
23.05	8.35	8.11	0.04	25.65	8.44	8.20	0.00
23.10	8.36	8.12	0.04	25.70	8.44	8.20	0.00
23.15	8.36	8.12	0.04	25.75	8.44	8.20	0.00
23.20	8.37	8.13	0.04	25.80	8.44	8.20	0.00
23.25	8.37	8.13	0.04	25.85	8.44	8.20	0.00
23.30	8.38	8.14	0.04	25.90	8.44	8.20	0.00
23.35	8.38	8.14	0.04	25.95	8.44	8.20	0.00

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	8.20	0.00	28.60	8.44	8.20	0.00
26.05	8.44	8.20	0.00	28.65	8.44	8.20	0.00
26.10	8.44	8.20	0.00	28.70	8.44	8.20	0.00
26.15	8.44	8.20	0.00	28.75	8.44	8.20	0.00
26.20	8.44	8.20	0.00	28.80	8.44	8.20	0.00
26.25	8.44	8.20	0.00	28.85	8.44	8.20	0.00
26.30	8.44	8.20	0.00	28.90	8.44	8.20	0.00
26.35	8.44	8.20	0.00	28.95	8.44	8.20	0.00
26.40	8.44	8.20	0.00	29.00	8.44	8.20	0.00
26.45	8.44	8.20	0.00	29.05	8.44	8.20	0.00
26.50	8.44	8.20	0.00	29.10	8.44	8.20	0.00
26.55	8.44	8.20	0.00	29.15	8.44	8.20	0.00
26.60	8.44	8.20	0.00	29.20	8.44	8.20	0.00
26.65	8.44	8.20	0.00	29.25	8.44	8.20	0.00
26.70	8.44	8.20	0.00	29.30	8.44	8.20	0.00
26.75	8.44	8.20	0.00	29.35	8.44	8.20	0.00
26.80	8.44	8.20	0.00	29.40	8.44	8.20	0.00
26.85	8.44	8.20	0.00	29.45	8.44	8.20	0.00
26.90	8.44	8.20	0.00	29.50	8.44	8.20	0.00
26.95	8.44	8.20	0.00	29.55	8.44	8.20	0.00
27.00	8.44	8.20	0.00	29.60	8.44	8.20	0.00
27.05	8.44	8.20	0.00	29.65	8.44	8.20	0.00
27.10	8.44	8.20	0.00	29.70	8.44	8.20	0.00
27.15	8.44	8.20	0.00	29.75	8.44	8.20	0.00
27.20	8.44	8.20	0.00	29.80	8.44	8.20	0.00
27.25	8.44	8.20	0.00	29.85	8.44	8.20	0.00
27.30	8.44	8.20	0.00	29.90	8.44	8.20	0.00
27.35	8.44	8.20	0.00	29.95	8.44	8.20	0.00
27.40	8.44	8.20	0.00	30.00	8.44	8.20	0.00
27.45	8.44	8.20	0.00	30.05	8.44	8.20	0.00
27.50	8.44	8.20	0.00	30.10	8.44	8.20	0.00
27.55	8.44	8.20	0.00	30.15	8.44	8.20	0.00
27.60	8.44	8.20	0.00	30.20	8.44	8.20	0.00
27.65	8.44	8.20	0.00	30.25	8.44	8.20	0.00
27.70	8.44	8.20	0.00	30.30	8.44	8.20	0.00
27.75	8.44	8.20	0.00	30.35	8.44	8.20	0.00
27.80	8.44	8.20	0.00	30.40	8.44	8.20	0.00
27.85	8.44	8.20	0.00	30.45	8.44	8.20	0.00
27.90	8.44	8.20	0.00	30.50	8.44	8.20	0.00
27.95	8.44	8.20	0.00	30.55	8.44	8.20	0.00
28.00	8.44	8.20	0.00	30.60	8.44	8.20	0.00
28.05	8.44	8.20	0.00	30.65	8.44	8.20	0.00
28.10	8.44	8.20	0.00	30.70	8.44	8.20	0.00
28.15	8.44	8.20	0.00	30.75	8.44	8.20	0.00
28.20	8.44	8.20	0.00	30.80	8.44	8.20	0.00
28.25	8.44	8.20	0.00	30.85	8.44	8.20	0.00
28.30	8.44	8.20	0.00	30.90	8.44	8.20	0.00
28.35	8.44	8.20	0.00	30.95	8.44	8.20	0.00
28.40	8.44	8.20	0.00	31.00	8.44	8.20	0.00
28.45	8.44	8.20	0.00	31.05	8.44	8.20	0.00
28.50	8.44	8.20	0.00	31.10	8.44	8.20	0.00
28.55	8.44	8.20	0.00	31.15	8.44	8.20	0.00

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	8.20	0.00	33.80	8.44	8.20	0.00
31.25	8.44	8.20	0.00	33.85	8.44	8.20	0.00
31.30	8.44	8.20	0.00	33.90	8.44	8.20	0.00
31.35	8.44	8.20	0.00	33.95	8.44	8.20	0.00
31.40	8.44	8.20	0.00	34.00	8.44	8.20	0.00
31.45	8.44	8.20	0.00	34.05	8.44	8.20	0.00
31.50	8.44	8.20	0.00	34.10	8.44	8.20	0.00
31.55	8.44	8.20	0.00	34.15	8.44	8.20	0.00
31.60	8.44	8.20	0.00	34.20	8.44	8.20	0.00
31.65	8.44	8.20	0.00	34.25	8.44	8.20	0.00
31.70	8.44	8.20	0.00	34.30	8.44	8.20	0.00
31.75	8.44	8.20	0.00	34.35	8.44	8.20	0.00
31.80	8.44	8.20	0.00	34.40	8.44	8.20	0.00
31.85	8.44	8.20	0.00	34.45	8.44	8.20	0.00
31.90	8.44	8.20	0.00	34.50	8.44	8.20	0.00
31.95	8.44	8.20	0.00	34.55	8.44	8.20	0.00
32.00	8.44	8.20	0.00	34.60	8.44	8.20	0.00
32.05	8.44	8.20	0.00	34.65	8.44	8.20	0.00
32.10	8.44	8.20	0.00	34.70	8.44	8.20	0.00
32.15	8.44	8.20	0.00	34.75	8.44	8.20	0.00
32.20	8.44	8.20	0.00	34.80	8.44	8.20	0.00
32.25	8.44	8.20	0.00	34.85	8.44	8.20	0.00
32.30	8.44	8.20	0.00	34.90	8.44	8.20	0.00
32.35	8.44	8.20	0.00	34.95	8.44	8.20	0.00
32.40	8.44	8.20	0.00	35.00	8.44	8.20	0.00
32.45	8.44	8.20	0.00	35.05	8.44	8.20	0.00
32.50	8.44	8.20	0.00	35.10	8.44	8.20	0.00
32.55	8.44	8.20	0.00	35.15	8.44	8.20	0.00
32.60	8.44	8.20	0.00	35.20	8.44	8.20	0.00
32.65	8.44	8.20	0.00	35.25	8.44	8.20	0.00
32.70	8.44	8.20	0.00	35.30	8.44	8.20	0.00
32.75	8.44	8.20	0.00	35.35	8.44	8.20	0.00
32.80	8.44	8.20	0.00	35.40	8.44	8.20	0.00
32.85	8.44	8.20	0.00	35.45	8.44	8.20	0.00
32.90	8.44	8.20	0.00	35.50	8.44	8.20	0.00
32.95	8.44	8.20	0.00	35.55	8.44	8.20	0.00
33.00	8.44	8.20	0.00	35.60	8.44	8.20	0.00
33.05	8.44	8.20	0.00	35.65	8.44	8.20	0.00
33.10	8.44	8.20	0.00	35.70	8.44	8.20	0.00
33.15	8.44	8.20	0.00	35.75	8.44	8.20	0.00
33.20	8.44	8.20	0.00	35.80	8.44	8.20	0.00
33.25	8.44	8.20	0.00	35.85	8.44	8.20	0.00
33.30	8.44	8.20	0.00	35.90	8.44	8.20	0.00
33.35	8.44	8.20	0.00	35.95	8.44	8.20	0.00
33.40	8.44	8.20	0.00	36.00	8.44	8.20	0.00
33.45	8.44	8.20	0.00	36.05	8.44	8.20	0.00
33.50	8.44	8.20	0.00	36.10	8.44	8.20	0.00
33.55	8.44	8.20	0.00	36.15	8.44	8.20	0.00
33.60	8.44	8.20	0.00	36.20	8.44	8.20	0.00
33.65	8.44	8.20	0.00	36.25	8.44	8.20	0.00
33.70	8.44	8.20	0.00	36.30	8.44	8.20	0.00
33.75	8.44	8.20	0.00	36.35	8.44	8.20	0.00

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	8.20	0.00
36.45	8.44	8.20	0.00
36.50	8.44	8.20	0.00
36.55	8.44	8.20	0.00
36.60	8.44	8.20	0.00
36.65	8.44	8.20	0.00
36.70	8.44	8.20	0.00
36.75	8.44	8.20	0.00
36.80	8.44	8.20	0.00
36.85	8.44	8.20	0.00
36.90	8.44	8.20	0.00
36.95	8.44	8.20	0.00
37.00	8.44	8.20	0.00
37.05	8.44	8.20	0.00
37.10	8.44	8.20	0.00
37.15	8.44	8.20	0.00
37.20	8.44	8.20	0.00
37.25	8.44	8.20	0.00
37.30	8.44	8.20	0.00
37.35	8.44	8.20	0.00
37.40	8.44	8.20	0.00
37.45	8.44	8.20	0.00
37.50	8.44	8.20	0.00
37.55	8.44	8.20	0.00
37.60	8.44	8.20	0.00
37.65	8.44	8.20	0.00
37.70	8.44	8.20	0.00
37.75	8.44	8.20	0.00
37.80	8.44	8.20	0.00
37.85	8.44	8.20	0.00
37.90	8.44	8.20	0.00
37.95	8.44	8.20	0.00
38.00	8.44	8.20	0.00
38.05	8.44	8.20	0.00
38.10	8.44	8.20	0.00
38.15	8.44	8.20	0.00
38.20	8.44	8.20	0.00
38.25	8.44	8.20	0.00
38.30	8.44	8.20	0.00
38.35	8.44	8.20	0.00
38.40	8.44	8.20	0.00
38.45	8.44	8.20	0.00
38.50	8.44	8.20	0.00
38.55	8.44	8.20	0.00
38.60	8.44	8.20	0.00
38.65	8.44	8.20	0.00
38.70	8.44	8.20	0.00
38.75	8.44	8.20	0.00
38.80	8.44	8.20	0.00
38.85	8.44	8.20	0.00
38.90	8.44	8.20	0.00
38.95	8.44	8.20	0.00
39.00	8.44	8.20	0.00
39.05	8.44	8.20	0.00
39.10	8.44	8.20	0.00
39.15	8.44	8.20	0.00
39.20	8.44	8.20	0.00
39.25	8.44	8.20	0.00
39.30	8.44	8.20	0.00
39.35	8.44	8.20	0.00
39.40	8.44	8.20	0.00
39.45	8.44	8.20	0.00
39.50	8.44	8.20	0.00
39.55	8.44	8.20	0.00
39.60	8.44	8.20	0.00
39.65	8.44	8.20	0.00
39.70	8.44	8.20	0.00
39.75	8.44	8.20	0.00
39.80	8.44	8.20	0.00
39.85	8.44	8.20	0.00
39.90	8.44	8.20	0.00
39.95	8.44	8.20	0.00
40.00	8.44	8.20	0.00

Summary for Subcatchment 58P: PDA-58 (pervious)

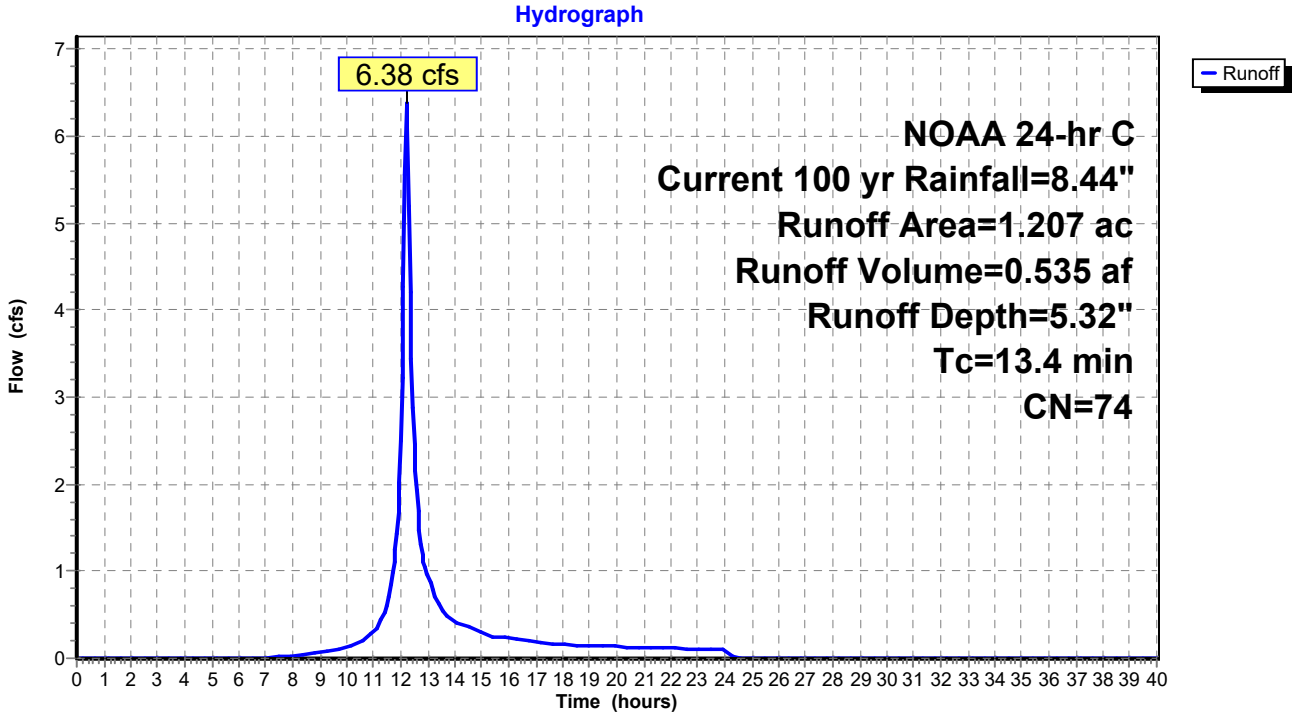
Runoff = 6.38 cfs @ 12.21 hrs, Volume= 0.535 af, Depth= 5.32"
Routed to Pond B-58 : Basin #58

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
1.207	74	>75% Grass cover, Good, HSG C
1.207		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
13.4					**Direct Entry,**

Subcatchment 58P: PDA-58 (pervious)



Hydrograph for Subcatchment 58P: PDA-58 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.02	0.03
5.25	0.57	0.00	0.00	7.85	0.98	0.02	0.03
5.30	0.58	0.00	0.00	7.90	0.99	0.02	0.03
5.35	0.58	0.00	0.00	7.95	1.00	0.02	0.03
5.40	0.59	0.00	0.00	8.00	1.01	0.02	0.03
5.45	0.60	0.00	0.00	8.05	1.02	0.03	0.03
5.50	0.60	0.00	0.00	8.10	1.03	0.03	0.04
5.55	0.61	0.00	0.00	8.15	1.04	0.03	0.04
5.60	0.62	0.00	0.00	8.20	1.05	0.03	0.04
5.65	0.62	0.00	0.00	8.25	1.06	0.03	0.04
5.70	0.63	0.00	0.00	8.30	1.07	0.04	0.04
5.75	0.64	0.00	0.00	8.35	1.08	0.04	0.04
5.80	0.64	0.00	0.00	8.40	1.10	0.04	0.04
5.85	0.65	0.00	0.00	8.45	1.11	0.04	0.05
5.90	0.66	0.00	0.00	8.50	1.12	0.04	0.05
5.95	0.66	0.00	0.00	8.55	1.13	0.05	0.05
6.00	0.67	0.00	0.00	8.60	1.14	0.05	0.05
6.05	0.68	0.00	0.00	8.65	1.15	0.05	0.05
6.10	0.68	0.00	0.00	8.70	1.16	0.05	0.05
6.15	0.69	0.00	0.00	8.75	1.17	0.06	0.06
6.20	0.70	0.00	0.00	8.80	1.19	0.06	0.06
6.25	0.70	0.00	0.00	8.85	1.20	0.06	0.06
6.30	0.71	0.00	0.00	8.90	1.21	0.06	0.06
6.35	0.72	0.00	0.00	8.95	1.22	0.07	0.06
6.40	0.73	0.00	0.00	9.00	1.23	0.07	0.06
6.45	0.73	0.00	0.00	9.05	1.25	0.07	0.07
6.50	0.74	0.00	0.00	9.10	1.26	0.08	0.07
6.55	0.75	0.00	0.00	9.15	1.27	0.08	0.07
6.60	0.76	0.00	0.00	9.20	1.28	0.08	0.07
6.65	0.77	0.00	0.00	9.25	1.30	0.09	0.08
6.70	0.77	0.00	0.00	9.30	1.31	0.09	0.08
6.75	0.78	0.00	0.00	9.35	1.33	0.09	0.08
6.80	0.79	0.00	0.01	9.40	1.34	0.10	0.09
6.85	0.80	0.00	0.01	9.45	1.35	0.10	0.09
6.90	0.81	0.00	0.01	9.50	1.37	0.11	0.09
6.95	0.81	0.00	0.01	9.55	1.39	0.11	0.10
7.00	0.82	0.00	0.01	9.60	1.40	0.12	0.10
7.05	0.83	0.00	0.01	9.65	1.42	0.12	0.10
7.10	0.84	0.01	0.01	9.70	1.43	0.13	0.11
7.15	0.85	0.01	0.01	9.75	1.45	0.13	0.11
7.20	0.86	0.01	0.01	9.80	1.47	0.14	0.12
7.25	0.87	0.01	0.01	9.85	1.49	0.14	0.12
7.30	0.88	0.01	0.02	9.90	1.50	0.15	0.13
7.35	0.89	0.01	0.02	9.95	1.52	0.15	0.13
7.40	0.89	0.01	0.02	10.00	1.54	0.16	0.14
7.45	0.90	0.01	0.02	10.05	1.56	0.17	0.14
7.50	0.91	0.01	0.02	10.10	1.58	0.17	0.15
7.55	0.92	0.01	0.02	10.15	1.60	0.18	0.15
7.60	0.93	0.01	0.02	10.20	1.62	0.19	0.16
7.65	0.94	0.02	0.02	10.25	1.64	0.20	0.16
7.70	0.95	0.02	0.02	10.30	1.66	0.20	0.17
7.75	0.96	0.02	0.03	10.35	1.68	0.21	0.17

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.22	0.18	13.00	6.41	3.54	0.94
10.45	1.72	0.23	0.18	13.05	6.45	3.57	0.89
10.50	1.74	0.24	0.19	13.10	6.48	3.59	0.84
10.55	1.76	0.25	0.19	13.15	6.51	3.62	0.80
10.60	1.79	0.26	0.20	13.20	6.54	3.65	0.75
10.65	1.81	0.27	0.21	13.25	6.57	3.67	0.72
10.70	1.84	0.28	0.22	13.30	6.60	3.70	0.69
10.75	1.87	0.29	0.24	13.35	6.63	3.72	0.66
10.80	1.90	0.30	0.25	13.40	6.65	3.74	0.63
10.85	1.93	0.32	0.27	13.45	6.68	3.76	0.60
10.90	1.96	0.33	0.29	13.50	6.70	3.78	0.58
10.95	1.99	0.35	0.30	13.55	6.72	3.80	0.55
11.00	2.03	0.36	0.32	13.60	6.74	3.82	0.53
11.05	2.06	0.38	0.34	13.65	6.76	3.84	0.50
11.10	2.10	0.40	0.36	13.70	6.78	3.85	0.48
11.15	2.14	0.42	0.38	13.75	6.80	3.87	0.46
11.20	2.19	0.44	0.41	13.80	6.82	3.89	0.45
11.25	2.23	0.46	0.44	13.85	6.84	3.91	0.44
11.30	2.28	0.49	0.48	13.90	6.86	3.92	0.43
11.35	2.33	0.52	0.51	13.95	6.88	3.94	0.43
11.40	2.38	0.54	0.55	14.00	6.90	3.96	0.42
11.45	2.44	0.57	0.59	14.05	6.92	3.97	0.41
11.50	2.49	0.60	0.62	14.10	6.94	3.99	0.40
11.55	2.58	0.65	0.67	14.15	6.95	4.00	0.40
11.60	2.66	0.70	0.74	14.20	6.97	4.02	0.39
11.65	2.75	0.76	0.85	14.25	6.99	4.03	0.39
11.70	2.84	0.81	0.98	14.30	7.01	4.05	0.38
11.75	2.97	0.89	1.11	14.35	7.02	4.06	0.37
11.80	3.09	0.97	1.24	14.40	7.04	4.08	0.37
11.85	3.26	1.08	1.43	14.45	7.05	4.09	0.36
11.90	3.43	1.19	1.67	14.50	7.07	4.10	0.35
11.95	3.73	1.40	2.01	14.55	7.09	4.12	0.35
12.00	4.02	1.61	2.50	14.60	7.10	4.13	0.34
12.05	4.52	1.98	3.23	14.65	7.11	4.14	0.33
12.10	5.01	2.37	4.27	14.70	7.13	4.15	0.33
12.15	5.18	2.51	5.55	14.75	7.14	4.17	0.32
12.20	5.35	2.65	**6.35**	14.80	7.16	4.18	0.31
12.25	5.47	2.75	6.11	14.85	7.17	4.19	0.31
12.30	5.60	2.85	5.19	14.90	7.18	4.20	0.30
12.35	5.69	2.92	4.21	14.95	7.19	4.21	0.29
12.40	5.78	3.00	3.45	15.00	7.21	4.22	0.29
12.45	5.86	3.07	2.88	15.05	7.22	4.23	0.28
12.50	5.95	3.14	2.45	15.10	7.23	4.24	0.27
12.55	6.00	3.19	2.16	15.15	7.24	4.25	0.27
12.60	6.06	3.23	1.93	15.20	7.25	4.26	0.26
12.65	6.11	3.28	1.69	15.25	7.27	4.27	0.26
12.70	6.16	3.32	1.48	15.30	7.28	4.28	0.25
12.75	6.21	3.36	1.31	15.35	7.29	4.29	0.25
12.80	6.25	3.40	1.20	15.40	7.30	4.30	0.25
12.85	6.30	3.44	1.11	15.45	7.31	4.31	0.25
12.90	6.34	3.47	1.05	15.50	7.32	4.32	0.24
12.95	6.38	3.50	0.99	15.55	7.33	4.33	0.24

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	4.34	0.24	18.20	7.80	4.75	0.15
15.65	7.36	4.35	0.24	18.25	7.80	4.75	0.15
15.70	7.37	4.36	0.24	18.30	7.81	4.76	0.15
15.75	7.38	4.37	0.24	18.35	7.82	4.76	0.15
15.80	7.39	4.38	0.23	18.40	7.82	4.77	0.15
15.85	7.40	4.39	0.23	18.45	7.83	4.78	0.15
15.90	7.41	4.40	0.23	18.50	7.84	4.78	0.15
15.95	7.42	4.41	0.23	18.55	7.84	4.79	0.14
16.00	7.43	4.42	0.23	18.60	7.85	4.79	0.14
16.05	7.44	4.43	0.23	18.65	7.86	4.80	0.14
16.10	7.45	4.44	0.22	18.70	7.86	4.80	0.14
16.15	7.46	4.44	0.22	18.75	7.87	4.81	0.14
16.20	7.47	4.45	0.22	18.80	7.88	4.82	0.14
16.25	7.48	4.46	0.22	18.85	7.88	4.82	0.14
16.30	7.49	4.47	0.22	18.90	7.89	4.83	0.14
16.35	7.50	4.48	0.21	18.95	7.90	4.83	0.14
16.40	7.51	4.49	0.21	19.00	7.90	4.84	0.14
16.45	7.52	4.50	0.21	19.05	7.91	4.84	0.14
16.50	7.53	4.50	0.21	19.10	7.92	4.85	0.14
16.55	7.54	4.51	0.21	19.15	7.92	4.86	0.14
16.60	7.55	4.52	0.21	19.20	7.93	4.86	0.14
16.65	7.55	4.53	0.20	19.25	7.93	4.87	0.14
16.70	7.56	4.54	0.20	19.30	7.94	4.87	0.14
16.75	7.57	4.55	0.20	19.35	7.95	4.88	0.14
16.80	7.58	4.55	0.20	19.40	7.95	4.88	0.14
16.85	7.59	4.56	0.20	19.45	7.96	4.89	0.14
16.90	7.60	4.57	0.20	19.50	7.97	4.90	0.14
16.95	7.61	4.58	0.19	19.55	7.97	4.90	0.14
17.00	7.62	4.58	0.19	19.60	7.98	4.91	0.14
17.05	7.63	4.59	0.19	19.65	7.98	4.91	0.14
17.10	7.63	4.60	0.19	19.70	7.99	4.92	0.13
17.15	7.64	4.61	0.19	19.75	8.00	4.92	0.13
17.20	7.65	4.61	0.19	19.80	8.00	4.93	0.13
17.25	7.66	4.62	0.18	19.85	8.01	4.93	0.13
17.30	7.67	4.63	0.18	19.90	8.01	4.94	0.13
17.35	7.67	4.64	0.18	19.95	8.02	4.94	0.13
17.40	7.68	4.64	0.18	20.00	8.03	4.95	0.13
17.45	7.69	4.65	0.18	20.05	8.03	4.96	0.13
17.50	7.70	4.66	0.17	20.10	8.04	4.96	0.13
17.55	7.71	4.66	0.17	20.15	8.04	4.97	0.13
17.60	7.71	4.67	0.17	20.20	8.05	4.97	0.13
17.65	7.72	4.68	0.17	20.25	8.06	4.98	0.13
17.70	7.73	4.68	0.17	20.30	8.06	4.98	0.13
17.75	7.74	4.69	0.17	20.35	8.07	4.99	0.13
17.80	7.74	4.70	0.16	20.40	8.07	4.99	0.13
17.85	7.75	4.70	0.16	20.45	8.08	5.00	0.13
17.90	7.76	4.71	0.16	20.50	8.09	5.00	0.13
17.95	7.76	4.72	0.16	20.55	8.09	5.01	0.13
18.00	7.77	4.72	0.16	20.60	8.10	5.01	0.13
18.05	7.78	4.73	0.15	20.65	8.10	5.02	0.13
18.10	7.78	4.73	0.15	20.70	8.11	5.02	0.13
18.15	7.79	4.74	0.15	20.75	8.11	5.03	0.13

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	5.03	0.13	23.40	8.38	5.27	0.10
20.85	8.13	5.04	0.12	23.45	8.39	5.28	0.10
20.90	8.13	5.04	0.12	23.50	8.39	5.28	0.10
20.95	8.14	5.05	0.12	23.55	8.40	5.28	0.10
21.00	8.14	5.05	0.12	23.60	8.40	5.29	0.10
21.05	8.15	5.06	0.12	23.65	8.41	5.29	0.10
21.10	8.15	5.06	0.12	23.70	8.41	5.30	0.10
21.15	8.16	5.07	0.12	23.75	8.42	5.30	0.10
21.20	8.16	5.07	0.12	23.80	8.42	5.30	0.10
21.25	8.17	5.08	0.12	23.85	8.42	5.31	0.10
21.30	8.18	5.08	0.12	23.90	8.43	5.31	0.10
21.35	8.18	5.09	0.12	23.95	8.43	5.32	0.10
21.40	8.19	5.09	0.12	24.00	**8.44**	**5.32**	0.10
21.45	8.19	5.10	0.12	24.05	8.44	5.32	0.10
21.50	8.20	5.10	0.12	24.10	8.44	5.32	0.10
21.55	8.20	5.11	0.12	24.15	8.44	5.32	0.08
21.60	8.21	5.11	0.12	24.20	8.44	5.32	0.05
21.65	8.21	5.12	0.12	24.25	8.44	5.32	0.03
21.70	8.22	5.12	0.12	24.30	8.44	5.32	0.02
21.75	8.22	5.13	0.12	24.35	8.44	5.32	0.01
21.80	8.23	5.13	0.12	24.40	8.44	5.32	0.01
21.85	8.23	5.14	0.12	24.45	8.44	5.32	0.00
21.90	8.24	5.14	0.12	24.50	8.44	5.32	0.00
21.95	8.24	5.14	0.11	24.55	8.44	5.32	0.00
22.00	8.25	5.15	0.11	24.60	8.44	5.32	0.00
22.05	8.25	5.15	0.11	24.65	8.44	5.32	0.00
22.10	8.26	5.16	0.11	24.70	8.44	5.32	0.00
22.15	8.26	5.16	0.11	24.75	8.44	5.32	0.00
22.20	8.27	5.17	0.11	24.80	8.44	5.32	0.00
22.25	8.27	5.17	0.11	24.85	8.44	5.32	0.00
22.30	8.28	5.18	0.11	24.90	8.44	5.32	0.00
22.35	8.28	5.18	0.11	24.95	8.44	5.32	0.00
22.40	8.29	5.19	0.11	25.00	8.44	5.32	0.00
22.45	8.29	5.19	0.11	25.05	8.44	5.32	0.00
22.50	8.30	5.19	0.11	25.10	8.44	5.32	0.00
22.55	8.30	5.20	0.11	25.15	8.44	5.32	0.00
22.60	8.31	5.20	0.11	25.20	8.44	5.32	0.00
22.65	8.31	5.21	0.11	25.25	8.44	5.32	0.00
22.70	8.32	5.21	0.11	25.30	8.44	5.32	0.00
22.75	8.32	5.22	0.11	25.35	8.44	5.32	0.00
22.80	8.33	5.22	0.11	25.40	8.44	5.32	0.00
22.85	8.33	5.22	0.11	25.45	8.44	5.32	0.00
22.90	8.34	5.23	0.11	25.50	8.44	5.32	0.00
22.95	8.34	5.23	0.11	25.55	8.44	5.32	0.00
23.00	8.35	5.24	0.11	25.60	8.44	5.32	0.00
23.05	8.35	5.24	0.10	25.65	8.44	5.32	0.00
23.10	8.36	5.25	0.10	25.70	8.44	5.32	0.00
23.15	8.36	5.25	0.10	25.75	8.44	5.32	0.00
23.20	8.37	5.25	0.10	25.80	8.44	5.32	0.00
23.25	8.37	5.26	0.10	25.85	8.44	5.32	0.00
23.30	8.38	5.26	0.10	25.90	8.44	5.32	0.00
23.35	8.38	5.27	0.10	25.95	8.44	5.32	0.00

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	5.32	0.00	28.60	8.44	5.32	0.00
26.05	8.44	5.32	0.00	28.65	8.44	5.32	0.00
26.10	8.44	5.32	0.00	28.70	8.44	5.32	0.00
26.15	8.44	5.32	0.00	28.75	8.44	5.32	0.00
26.20	8.44	5.32	0.00	28.80	8.44	5.32	0.00
26.25	8.44	5.32	0.00	28.85	8.44	5.32	0.00
26.30	8.44	5.32	0.00	28.90	8.44	5.32	0.00
26.35	8.44	5.32	0.00	28.95	8.44	5.32	0.00
26.40	8.44	5.32	0.00	29.00	8.44	5.32	0.00
26.45	8.44	5.32	0.00	29.05	8.44	5.32	0.00
26.50	8.44	5.32	0.00	29.10	8.44	5.32	0.00
26.55	8.44	5.32	0.00	29.15	8.44	5.32	0.00
26.60	8.44	5.32	0.00	29.20	8.44	5.32	0.00
26.65	8.44	5.32	0.00	29.25	8.44	5.32	0.00
26.70	8.44	5.32	0.00	29.30	8.44	5.32	0.00
26.75	8.44	5.32	0.00	29.35	8.44	5.32	0.00
26.80	8.44	5.32	0.00	29.40	8.44	5.32	0.00
26.85	8.44	5.32	0.00	29.45	8.44	5.32	0.00
26.90	8.44	5.32	0.00	29.50	8.44	5.32	0.00
26.95	8.44	5.32	0.00	29.55	8.44	5.32	0.00
27.00	8.44	5.32	0.00	29.60	8.44	5.32	0.00
27.05	8.44	5.32	0.00	29.65	8.44	5.32	0.00
27.10	8.44	5.32	0.00	29.70	8.44	5.32	0.00
27.15	8.44	5.32	0.00	29.75	8.44	5.32	0.00
27.20	8.44	5.32	0.00	29.80	8.44	5.32	0.00
27.25	8.44	5.32	0.00	29.85	8.44	5.32	0.00
27.30	8.44	5.32	0.00	29.90	8.44	5.32	0.00
27.35	8.44	5.32	0.00	29.95	8.44	5.32	0.00
27.40	8.44	5.32	0.00	30.00	8.44	5.32	0.00
27.45	8.44	5.32	0.00	30.05	8.44	5.32	0.00
27.50	8.44	5.32	0.00	30.10	8.44	5.32	0.00
27.55	8.44	5.32	0.00	30.15	8.44	5.32	0.00
27.60	8.44	5.32	0.00	30.20	8.44	5.32	0.00
27.65	8.44	5.32	0.00	30.25	8.44	5.32	0.00
27.70	8.44	5.32	0.00	30.30	8.44	5.32	0.00
27.75	8.44	5.32	0.00	30.35	8.44	5.32	0.00
27.80	8.44	5.32	0.00	30.40	8.44	5.32	0.00
27.85	8.44	5.32	0.00	30.45	8.44	5.32	0.00
27.90	8.44	5.32	0.00	30.50	8.44	5.32	0.00
27.95	8.44	5.32	0.00	30.55	8.44	5.32	0.00
28.00	8.44	5.32	0.00	30.60	8.44	5.32	0.00
28.05	8.44	5.32	0.00	30.65	8.44	5.32	0.00
28.10	8.44	5.32	0.00	30.70	8.44	5.32	0.00
28.15	8.44	5.32	0.00	30.75	8.44	5.32	0.00
28.20	8.44	5.32	0.00	30.80	8.44	5.32	0.00
28.25	8.44	5.32	0.00	30.85	8.44	5.32	0.00
28.30	8.44	5.32	0.00	30.90	8.44	5.32	0.00
28.35	8.44	5.32	0.00	30.95	8.44	5.32	0.00
28.40	8.44	5.32	0.00	31.00	8.44	5.32	0.00
28.45	8.44	5.32	0.00	31.05	8.44	5.32	0.00
28.50	8.44	5.32	0.00	31.10	8.44	5.32	0.00
28.55	8.44	5.32	0.00	31.15	8.44	5.32	0.00

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	5.32	0.00	33.80	8.44	5.32	0.00
31.25	8.44	5.32	0.00	33.85	8.44	5.32	0.00
31.30	8.44	5.32	0.00	33.90	8.44	5.32	0.00
31.35	8.44	5.32	0.00	33.95	8.44	5.32	0.00
31.40	8.44	5.32	0.00	34.00	8.44	5.32	0.00
31.45	8.44	5.32	0.00	34.05	8.44	5.32	0.00
31.50	8.44	5.32	0.00	34.10	8.44	5.32	0.00
31.55	8.44	5.32	0.00	34.15	8.44	5.32	0.00
31.60	8.44	5.32	0.00	34.20	8.44	5.32	0.00
31.65	8.44	5.32	0.00	34.25	8.44	5.32	0.00
31.70	8.44	5.32	0.00	34.30	8.44	5.32	0.00
31.75	8.44	5.32	0.00	34.35	8.44	5.32	0.00
31.80	8.44	5.32	0.00	34.40	8.44	5.32	0.00
31.85	8.44	5.32	0.00	34.45	8.44	5.32	0.00
31.90	8.44	5.32	0.00	34.50	8.44	5.32	0.00
31.95	8.44	5.32	0.00	34.55	8.44	5.32	0.00
32.00	8.44	5.32	0.00	34.60	8.44	5.32	0.00
32.05	8.44	5.32	0.00	34.65	8.44	5.32	0.00
32.10	8.44	5.32	0.00	34.70	8.44	5.32	0.00
32.15	8.44	5.32	0.00	34.75	8.44	5.32	0.00
32.20	8.44	5.32	0.00	34.80	8.44	5.32	0.00
32.25	8.44	5.32	0.00	34.85	8.44	5.32	0.00
32.30	8.44	5.32	0.00	34.90	8.44	5.32	0.00
32.35	8.44	5.32	0.00	34.95	8.44	5.32	0.00
32.40	8.44	5.32	0.00	35.00	8.44	5.32	0.00
32.45	8.44	5.32	0.00	35.05	8.44	5.32	0.00
32.50	8.44	5.32	0.00	35.10	8.44	5.32	0.00
32.55	8.44	5.32	0.00	35.15	8.44	5.32	0.00
32.60	8.44	5.32	0.00	35.20	8.44	5.32	0.00
32.65	8.44	5.32	0.00	35.25	8.44	5.32	0.00
32.70	8.44	5.32	0.00	35.30	8.44	5.32	0.00
32.75	8.44	5.32	0.00	35.35	8.44	5.32	0.00
32.80	8.44	5.32	0.00	35.40	8.44	5.32	0.00
32.85	8.44	5.32	0.00	35.45	8.44	5.32	0.00
32.90	8.44	5.32	0.00	35.50	8.44	5.32	0.00
32.95	8.44	5.32	0.00	35.55	8.44	5.32	0.00
33.00	8.44	5.32	0.00	35.60	8.44	5.32	0.00
33.05	8.44	5.32	0.00	35.65	8.44	5.32	0.00
33.10	8.44	5.32	0.00	35.70	8.44	5.32	0.00
33.15	8.44	5.32	0.00	35.75	8.44	5.32	0.00
33.20	8.44	5.32	0.00	35.80	8.44	5.32	0.00
33.25	8.44	5.32	0.00	35.85	8.44	5.32	0.00
33.30	8.44	5.32	0.00	35.90	8.44	5.32	0.00
33.35	8.44	5.32	0.00	35.95	8.44	5.32	0.00
33.40	8.44	5.32	0.00	36.00	8.44	5.32	0.00
33.45	8.44	5.32	0.00	36.05	8.44	5.32	0.00
33.50	8.44	5.32	0.00	36.10	8.44	5.32	0.00
33.55	8.44	5.32	0.00	36.15	8.44	5.32	0.00
33.60	8.44	5.32	0.00	36.20	8.44	5.32	0.00
33.65	8.44	5.32	0.00	36.25	8.44	5.32	0.00
33.70	8.44	5.32	0.00	36.30	8.44	5.32	0.00
33.75	8.44	5.32	0.00	36.35	8.44	5.32	0.00

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	5.32	0.00
36.45	8.44	5.32	0.00
36.50	8.44	5.32	0.00
36.55	8.44	5.32	0.00
36.60	8.44	5.32	0.00
36.65	8.44	5.32	0.00
36.70	8.44	5.32	0.00
36.75	8.44	5.32	0.00
36.80	8.44	5.32	0.00
36.85	8.44	5.32	0.00
36.90	8.44	5.32	0.00
36.95	8.44	5.32	0.00
37.00	8.44	5.32	0.00
37.05	8.44	5.32	0.00
37.10	8.44	5.32	0.00
37.15	8.44	5.32	0.00
37.20	8.44	5.32	0.00
37.25	8.44	5.32	0.00
37.30	8.44	5.32	0.00
37.35	8.44	5.32	0.00
37.40	8.44	5.32	0.00
37.45	8.44	5.32	0.00
37.50	8.44	5.32	0.00
37.55	8.44	5.32	0.00
37.60	8.44	5.32	0.00
37.65	8.44	5.32	0.00
37.70	8.44	5.32	0.00
37.75	8.44	5.32	0.00
37.80	8.44	5.32	0.00
37.85	8.44	5.32	0.00
37.90	8.44	5.32	0.00
37.95	8.44	5.32	0.00
38.00	8.44	5.32	0.00
38.05	8.44	5.32	0.00
38.10	8.44	5.32	0.00
38.15	8.44	5.32	0.00
38.20	8.44	5.32	0.00
38.25	8.44	5.32	0.00
38.30	8.44	5.32	0.00
38.35	8.44	5.32	0.00
38.40	8.44	5.32	0.00
38.45	8.44	5.32	0.00
38.50	8.44	5.32	0.00
38.55	8.44	5.32	0.00
38.60	8.44	5.32	0.00
38.65	8.44	5.32	0.00
38.70	8.44	5.32	0.00
38.75	8.44	5.32	0.00
38.80	8.44	5.32	0.00
38.85	8.44	5.32	0.00
38.90	8.44	5.32	0.00
38.95	8.44	5.32	0.00
39.00	8.44	5.32	0.00
39.05	8.44	5.32	0.00
39.10	8.44	5.32	0.00
39.15	8.44	5.32	0.00
39.20	8.44	5.32	0.00
39.25	8.44	5.32	0.00
39.30	8.44	5.32	0.00
39.35	8.44	5.32	0.00
39.40	8.44	5.32	0.00
39.45	8.44	5.32	0.00
39.50	8.44	5.32	0.00
39.55	8.44	5.32	0.00
39.60	8.44	5.32	0.00
39.65	8.44	5.32	0.00
39.70	8.44	5.32	0.00
39.75	8.44	5.32	0.00
39.80	8.44	5.32	0.00
39.85	8.44	5.32	0.00
39.90	8.44	5.32	0.00
39.95	8.44	5.32	0.00
40.00	8.44	5.32	0.00

Summary for Subcatchment UPDA-6: PDA-6 (undetained)

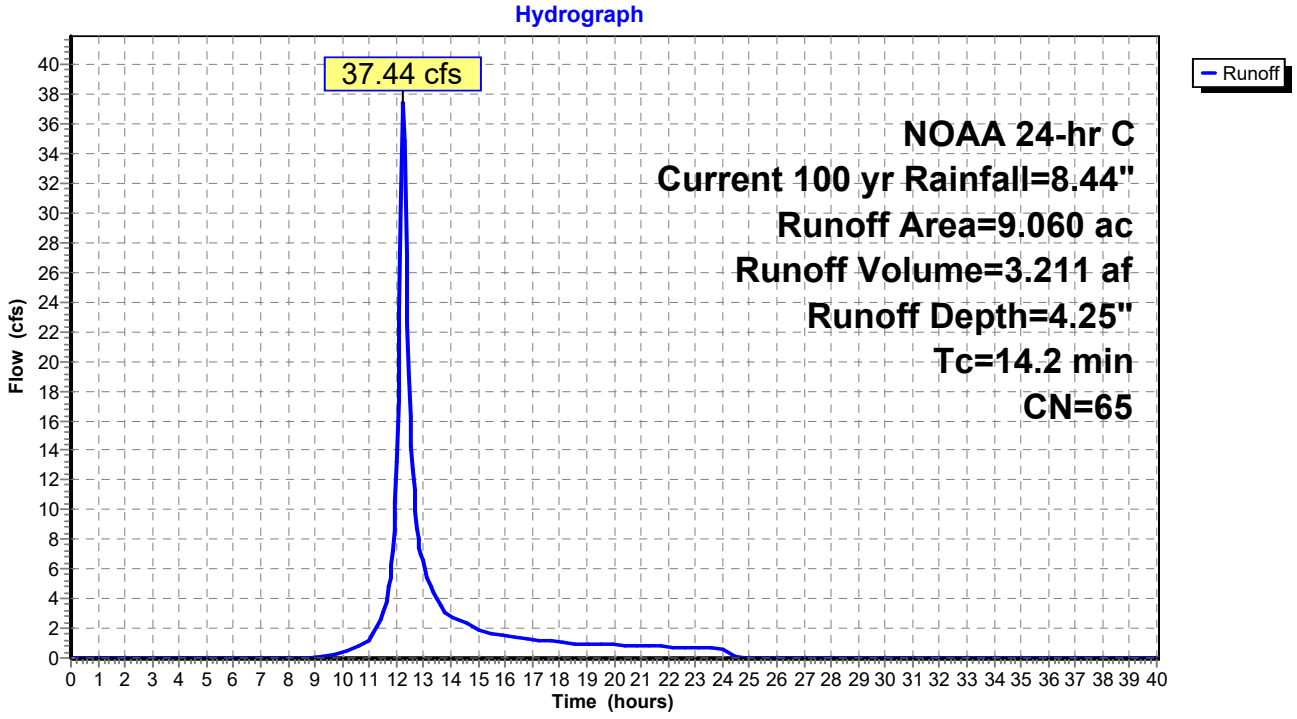
Runoff = 37.44 cfs @ 12.23 hrs, Volume= 3.211 af, Depth= 4.25"
Routed to Link PDA-6ON : Proposed Onsite Drainage Area #6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Current 100 yr Rainfall=8.44"

Area (ac)	CN	Description
2.520	74	>75% Grass cover, Good, HSG C
3.924	55	Woods, Good, HSG B
2.289	70	Woods, Good, HSG C
0.327	77	Woods, Good, HSG D
9.060	65	Weighted Average
9.060		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.2					**Direct Entry,**

Subcatchment UPDA-6: PDA-6 (undetained)



Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.25	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.26	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.26	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.27	0.00	0.00
0.20	0.02	0.00	0.00	2.80	0.28	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.28	0.00	0.00
0.30	0.03	0.00	0.00	2.90	0.29	0.00	0.00
0.35	0.03	0.00	0.00	2.95	0.29	0.00	0.00
0.40	0.04	0.00	0.00	3.00	0.30	0.00	0.00
0.45	0.04	0.00	0.00	3.05	0.30	0.00	0.00
0.50	0.05	0.00	0.00	3.10	0.31	0.00	0.00
0.55	0.05	0.00	0.00	3.15	0.31	0.00	0.00
0.60	0.06	0.00	0.00	3.20	0.32	0.00	0.00
0.65	0.06	0.00	0.00	3.25	0.33	0.00	0.00
0.70	0.06	0.00	0.00	3.30	0.33	0.00	0.00
0.75	0.07	0.00	0.00	3.35	0.34	0.00	0.00
0.80	0.07	0.00	0.00	3.40	0.34	0.00	0.00
0.85	0.08	0.00	0.00	3.45	0.35	0.00	0.00
0.90	0.08	0.00	0.00	3.50	0.35	0.00	0.00
0.95	0.09	0.00	0.00	3.55	0.36	0.00	0.00
1.00	0.09	0.00	0.00	3.60	0.37	0.00	0.00
1.05	0.10	0.00	0.00	3.65	0.37	0.00	0.00
1.10	0.10	0.00	0.00	3.70	0.38	0.00	0.00
1.15	0.11	0.00	0.00	3.75	0.38	0.00	0.00
1.20	0.11	0.00	0.00	3.80	0.39	0.00	0.00
1.25	0.12	0.00	0.00	3.85	0.40	0.00	0.00
1.30	0.12	0.00	0.00	3.90	0.40	0.00	0.00
1.35	0.13	0.00	0.00	3.95	0.41	0.00	0.00
1.40	0.13	0.00	0.00	4.00	0.41	0.00	0.00
1.45	0.14	0.00	0.00	4.05	0.42	0.00	0.00
1.50	0.14	0.00	0.00	4.10	0.43	0.00	0.00
1.55	0.15	0.00	0.00	4.15	0.43	0.00	0.00
1.60	0.15	0.00	0.00	4.20	0.44	0.00	0.00
1.65	0.16	0.00	0.00	4.25	0.44	0.00	0.00
1.70	0.16	0.00	0.00	4.30	0.45	0.00	0.00
1.75	0.17	0.00	0.00	4.35	0.46	0.00	0.00
1.80	0.17	0.00	0.00	4.40	0.46	0.00	0.00
1.85	0.18	0.00	0.00	4.45	0.47	0.00	0.00
1.90	0.18	0.00	0.00	4.50	0.47	0.00	0.00
1.95	0.19	0.00	0.00	4.55	0.48	0.00	0.00
2.00	0.19	0.00	0.00	4.60	0.49	0.00	0.00
2.05	0.20	0.00	0.00	4.65	0.49	0.00	0.00
2.10	0.20	0.00	0.00	4.70	0.50	0.00	0.00
2.15	0.21	0.00	0.00	4.75	0.51	0.00	0.00
2.20	0.21	0.00	0.00	4.80	0.51	0.00	0.00
2.25	0.22	0.00	0.00	4.85	0.52	0.00	0.00
2.30	0.22	0.00	0.00	4.90	0.52	0.00	0.00
2.35	0.23	0.00	0.00	4.95	0.53	0.00	0.00
2.40	0.23	0.00	0.00	5.00	0.54	0.00	0.00
2.45	0.24	0.00	0.00	5.05	0.54	0.00	0.00
2.50	0.24	0.00	0.00	5.10	0.55	0.00	0.00
2.55	0.25	0.00	0.00	5.15	0.56	0.00	0.00

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.56	0.00	0.00	7.80	0.97	0.00	0.00
5.25	0.57	0.00	0.00	7.85	0.98	0.00	0.00
5.30	0.58	0.00	0.00	7.90	0.99	0.00	0.00
5.35	0.58	0.00	0.00	7.95	1.00	0.00	0.00
5.40	0.59	0.00	0.00	8.00	1.01	0.00	0.00
5.45	0.60	0.00	0.00	8.05	1.02	0.00	0.00
5.50	0.60	0.00	0.00	8.10	1.03	0.00	0.00
5.55	0.61	0.00	0.00	8.15	1.04	0.00	0.00
5.60	0.62	0.00	0.00	8.20	1.05	0.00	0.00
5.65	0.62	0.00	0.00	8.25	1.06	0.00	0.00
5.70	0.63	0.00	0.00	8.30	1.07	0.00	0.00
5.75	0.64	0.00	0.00	8.35	1.08	0.00	0.00
5.80	0.64	0.00	0.00	8.40	1.10	0.00	0.00
5.85	0.65	0.00	0.00	8.45	1.11	0.00	0.00
5.90	0.66	0.00	0.00	8.50	1.12	0.00	0.00
5.95	0.66	0.00	0.00	8.55	1.13	0.00	0.01
6.00	0.67	0.00	0.00	8.60	1.14	0.00	0.01
6.05	0.68	0.00	0.00	8.65	1.15	0.00	0.02
6.10	0.68	0.00	0.00	8.70	1.16	0.00	0.03
6.15	0.69	0.00	0.00	8.75	1.17	0.00	0.04
6.20	0.70	0.00	0.00	8.80	1.19	0.00	0.04
6.25	0.70	0.00	0.00	8.85	1.20	0.00	0.05
6.30	0.71	0.00	0.00	8.90	1.21	0.00	0.06
6.35	0.72	0.00	0.00	8.95	1.22	0.00	0.07
6.40	0.73	0.00	0.00	9.00	1.23	0.00	0.08
6.45	0.73	0.00	0.00	9.05	1.25	0.01	0.09
6.50	0.74	0.00	0.00	9.10	1.26	0.01	0.10
6.55	0.75	0.00	0.00	9.15	1.27	0.01	0.11
6.60	0.76	0.00	0.00	9.20	1.28	0.01	0.12
6.65	0.77	0.00	0.00	9.25	1.30	0.01	0.13
6.70	0.77	0.00	0.00	9.30	1.31	0.01	0.15
6.75	0.78	0.00	0.00	9.35	1.33	0.01	0.16
6.80	0.79	0.00	0.00	9.40	1.34	0.01	0.17
6.85	0.80	0.00	0.00	9.45	1.35	0.01	0.19
6.90	0.81	0.00	0.00	9.50	1.37	0.02	0.20
6.95	0.81	0.00	0.00	9.55	1.39	0.02	0.22
7.00	0.82	0.00	0.00	9.60	1.40	0.02	0.24
7.05	0.83	0.00	0.00	9.65	1.42	0.02	0.26
7.10	0.84	0.00	0.00	9.70	1.43	0.02	0.28
7.15	0.85	0.00	0.00	9.75	1.45	0.02	0.30
7.20	0.86	0.00	0.00	9.80	1.47	0.03	0.32
7.25	0.87	0.00	0.00	9.85	1.49	0.03	0.34
7.30	0.88	0.00	0.00	9.90	1.50	0.03	0.36
7.35	0.89	0.00	0.00	9.95	1.52	0.03	0.38
7.40	0.89	0.00	0.00	10.00	1.54	0.04	0.40
7.45	0.90	0.00	0.00	10.05	1.56	0.04	0.43
7.50	0.91	0.00	0.00	10.10	1.58	0.04	0.45
7.55	0.92	0.00	0.00	10.15	1.60	0.05	0.48
7.60	0.93	0.00	0.00	10.20	1.62	0.05	0.50
7.65	0.94	0.00	0.00	10.25	1.64	0.05	0.53
7.70	0.95	0.00	0.00	10.30	1.66	0.06	0.56
7.75	0.96	0.00	0.00	10.35	1.68	0.06	0.59

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.70	0.06	0.62	13.00	6.41	2.66	6.23
10.45	1.72	0.07	0.65	13.05	6.45	2.68	5.91
10.50	1.74	0.07	0.68	13.10	6.48	2.71	5.61
10.55	1.76	0.08	0.71	13.15	6.51	2.73	5.30
10.60	1.79	0.08	0.75	13.20	6.54	2.75	5.02
10.65	1.81	0.09	0.79	13.25	6.57	2.78	4.77
10.70	1.84	0.09	0.85	13.30	6.60	2.80	4.56
10.75	1.87	0.10	0.91	13.35	6.63	2.82	4.37
10.80	1.90	0.11	0.98	13.40	6.65	2.84	4.19
10.85	1.93	0.12	1.06	13.45	6.68	2.85	4.02
10.90	1.96	0.12	1.14	13.50	6.70	2.87	3.85
10.95	1.99	0.13	1.23	13.55	6.72	2.89	3.69
11.00	2.03	0.14	1.32	13.60	6.74	2.91	3.53
11.05	2.06	0.15	1.41	13.65	6.76	2.92	3.36
11.10	2.10	0.16	1.52	13.70	6.78	2.94	3.22
11.15	2.14	0.18	1.65	13.75	6.80	2.95	3.10
11.20	2.19	0.19	1.79	13.80	6.82	2.97	3.01
11.25	2.23	0.20	1.95	13.85	6.84	2.98	2.94
11.30	2.28	0.22	2.12	13.90	6.86	3.00	2.88
11.35	2.33	0.24	2.31	13.95	6.88	3.01	2.83
11.40	2.38	0.26	2.50	14.00	6.90	3.03	2.79
11.45	2.44	0.27	2.71	14.05	6.92	3.04	2.74
11.50	2.49	0.30	2.92	14.10	6.94	3.05	2.70
11.55	2.58	0.33	3.16	14.15	6.95	3.07	2.65
11.60	2.66	0.36	3.52	14.20	6.97	3.08	2.61
11.65	2.75	0.40	4.09	14.25	6.99	3.09	2.57
11.70	2.84	0.44	4.79	14.30	7.01	3.11	2.53
11.75	2.97	0.49	5.49	14.35	7.02	3.12	2.49
11.80	3.09	0.55	6.25	14.40	7.04	3.13	2.44
11.85	3.26	0.63	7.24	14.45	7.05	3.14	2.40
11.90	3.43	0.72	8.60	14.50	7.07	3.16	2.36
11.95	3.73	0.87	10.46	14.55	7.09	3.17	2.32
12.00	4.02	1.04	13.19	14.60	7.10	3.18	2.27
12.05	4.52	1.34	17.36	14.65	7.11	3.19	2.23
12.10	5.01	1.66	23.41	14.70	7.13	3.20	2.19
12.15	5.18	1.77	31.09	14.75	7.14	3.21	2.14
12.20	5.35	1.89	36.78	14.80	7.16	3.22	2.10
12.25	5.47	1.98	**36.99**	14.85	7.17	3.23	2.06
12.30	5.60	2.06	32.73	14.90	7.18	3.24	2.02
12.35	5.69	2.13	27.20	14.95	7.19	3.25	1.97
12.40	5.78	2.19	22.57	15.00	7.21	3.26	1.93
12.45	5.86	2.25	18.98	15.05	7.22	3.27	1.88
12.50	5.95	2.31	16.26	15.10	7.23	3.28	1.84
12.55	6.00	2.35	14.30	15.15	7.24	3.29	1.80
12.60	6.06	2.39	12.78	15.20	7.25	3.30	1.76
12.65	6.11	2.43	11.31	15.25	7.27	3.31	1.73
12.70	6.16	2.47	9.92	15.30	7.28	3.32	1.70
12.75	6.21	2.50	8.79	15.35	7.29	3.33	1.68
12.80	6.25	2.54	7.99	15.40	7.30	3.34	1.67
12.85	6.30	2.57	7.41	15.45	7.31	3.35	1.65
12.90	6.34	2.60	6.95	15.50	7.32	3.35	1.64
12.95	6.38	2.63	6.57	15.55	7.33	3.36	1.63

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	7.34	3.37	1.62	18.20	7.80	3.73	1.01
15.65	7.36	3.38	1.61	18.25	7.80	3.74	1.00
15.70	7.37	3.39	1.59	18.30	7.81	3.74	1.00
15.75	7.38	3.40	1.58	18.35	7.82	3.75	0.99
15.80	7.39	3.40	1.57	18.40	7.82	3.75	0.99
15.85	7.40	3.41	1.56	18.45	7.83	3.76	0.99
15.90	7.41	3.42	1.55	18.50	7.84	3.76	0.98
15.95	7.42	3.43	1.54	18.55	7.84	3.77	0.98
16.00	7.43	3.44	1.53	18.60	7.85	3.77	0.98
16.05	7.44	3.45	1.51	18.65	7.86	3.78	0.97
16.10	7.45	3.45	1.50	18.70	7.86	3.78	0.97
16.15	7.46	3.46	1.49	18.75	7.87	3.79	0.97
16.20	7.47	3.47	1.48	18.80	7.88	3.80	0.96
16.25	7.48	3.48	1.47	18.85	7.88	3.80	0.96
16.30	7.49	3.49	1.46	18.90	7.89	3.81	0.96
16.35	7.50	3.49	1.45	18.95	7.90	3.81	0.96
16.40	7.51	3.50	1.43	19.00	7.90	3.82	0.95
16.45	7.52	3.51	1.42	19.05	7.91	3.82	0.95
16.50	7.53	3.52	1.41	19.10	7.92	3.83	0.95
16.55	7.54	3.52	1.40	19.15	7.92	3.83	0.95
16.60	7.55	3.53	1.39	19.20	7.93	3.84	0.94
16.65	7.55	3.54	1.38	19.25	7.93	3.84	0.94
16.70	7.56	3.54	1.37	19.30	7.94	3.85	0.94
16.75	7.57	3.55	1.35	19.35	7.95	3.85	0.93
16.80	7.58	3.56	1.34	19.40	7.95	3.86	0.93
16.85	7.59	3.57	1.33	19.45	7.96	3.86	0.93
16.90	7.60	3.57	1.32	19.50	7.97	3.87	0.92
16.95	7.61	3.58	1.31	19.55	7.97	3.87	0.92
17.00	7.62	3.59	1.30	19.60	7.98	3.88	0.92
17.05	7.63	3.59	1.28	19.65	7.98	3.88	0.92
17.10	7.63	3.60	1.27	19.70	7.99	3.89	0.91
17.15	7.64	3.61	1.26	19.75	8.00	3.89	0.91
17.20	7.65	3.61	1.25	19.80	8.00	3.90	0.91
17.25	7.66	3.62	1.24	19.85	8.01	3.90	0.91
17.30	7.67	3.63	1.23	19.90	8.01	3.91	0.90
17.35	7.67	3.63	1.21	19.95	8.02	3.91	0.90
17.40	7.68	3.64	1.20	20.00	8.03	3.92	0.90
17.45	7.69	3.65	1.19	20.05	8.03	3.92	0.89
17.50	7.70	3.65	1.18	20.10	8.04	3.93	0.89
17.55	7.71	3.66	1.17	20.15	8.04	3.93	0.89
17.60	7.71	3.66	1.15	20.20	8.05	3.94	0.88
17.65	7.72	3.67	1.14	20.25	8.06	3.94	0.88
17.70	7.73	3.68	1.13	20.30	8.06	3.94	0.88
17.75	7.74	3.68	1.12	20.35	8.07	3.95	0.88
17.80	7.74	3.69	1.11	20.40	8.07	3.95	0.87
17.85	7.75	3.69	1.10	20.45	8.08	3.96	0.87
17.90	7.76	3.70	1.08	20.50	8.09	3.96	0.87
17.95	7.76	3.70	1.07	20.55	8.09	3.97	0.86
18.00	7.77	3.71	1.06	20.60	8.10	3.97	0.86
18.05	7.78	3.72	1.05	20.65	8.10	3.98	0.86
18.10	7.78	3.72	1.04	20.70	8.11	3.98	0.86
18.15	7.79	3.73	1.02	20.75	8.11	3.99	0.85

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	8.12	3.99	0.85	23.40	8.38	4.21	0.69
20.85	8.13	4.00	0.85	23.45	8.39	4.21	0.69
20.90	8.13	4.00	0.84	23.50	8.39	4.22	0.69
20.95	8.14	4.01	0.84	23.55	8.40	4.22	0.69
21.00	8.14	4.01	0.84	23.60	8.40	4.22	0.68
21.05	8.15	4.01	0.83	23.65	8.41	4.23	0.68
21.10	8.15	4.02	0.83	23.70	8.41	4.23	0.68
21.15	8.16	4.02	0.83	23.75	8.42	4.23	0.67
21.20	8.16	4.03	0.83	23.80	8.42	4.24	0.67
21.25	8.17	4.03	0.82	23.85	8.42	4.24	0.67
21.30	8.18	4.04	0.82	23.90	8.43	4.24	0.66
21.35	8.18	4.04	0.82	23.95	8.43	4.25	0.66
21.40	8.19	4.05	0.82	24.00	**8.44**	**4.25**	0.67
21.45	8.19	4.05	0.81	24.05	8.44	4.25	0.69
21.50	8.20	4.05	0.81	24.10	8.44	4.25	0.66
21.55	8.20	4.06	0.81	24.15	8.44	4.25	0.55
21.60	8.21	4.06	0.80	24.20	8.44	4.25	0.38
21.65	8.21	4.07	0.80	24.25	8.44	4.25	0.23
21.70	8.22	4.07	0.80	24.30	8.44	4.25	0.14
21.75	8.22	4.08	0.79	24.35	8.44	4.25	0.08
21.80	8.23	4.08	0.79	24.40	8.44	4.25	0.05
21.85	8.23	4.08	0.79	24.45	8.44	4.25	0.03
21.90	8.24	4.09	0.79	24.50	8.44	4.25	0.02
21.95	8.24	4.09	0.78	24.55	8.44	4.25	0.01
22.00	8.25	4.10	0.78	24.60	8.44	4.25	0.01
22.05	8.25	4.10	0.78	24.65	8.44	4.25	0.00
22.10	8.26	4.10	0.77	24.70	8.44	4.25	0.00
22.15	8.26	4.11	0.77	24.75	8.44	4.25	0.00
22.20	8.27	4.11	0.77	24.80	8.44	4.25	0.00
22.25	8.27	4.12	0.76	24.85	8.44	4.25	0.00
22.30	8.28	4.12	0.76	24.90	8.44	4.25	0.00
22.35	8.28	4.13	0.76	24.95	8.44	4.25	0.00
22.40	8.29	4.13	0.76	25.00	8.44	4.25	0.00
22.45	8.29	4.13	0.75	25.05	8.44	4.25	0.00
22.50	8.30	4.14	0.75	25.10	8.44	4.25	0.00
22.55	8.30	4.14	0.75	25.15	8.44	4.25	0.00
22.60	8.31	4.15	0.74	25.20	8.44	4.25	0.00
22.65	8.31	4.15	0.74	25.25	8.44	4.25	0.00
22.70	8.32	4.15	0.74	25.30	8.44	4.25	0.00
22.75	8.32	4.16	0.74	25.35	8.44	4.25	0.00
22.80	8.33	4.16	0.73	25.40	8.44	4.25	0.00
22.85	8.33	4.17	0.73	25.45	8.44	4.25	0.00
22.90	8.34	4.17	0.72	25.50	8.44	4.25	0.00
22.95	8.34	4.17	0.72	25.55	8.44	4.25	0.00
23.00	8.35	4.18	0.72	25.60	8.44	4.25	0.00
23.05	8.35	4.18	0.72	25.65	8.44	4.25	0.00
23.10	8.36	4.18	0.71	25.70	8.44	4.25	0.00
23.15	8.36	4.19	0.71	25.75	8.44	4.25	0.00
23.20	8.37	4.19	0.71	25.80	8.44	4.25	0.00
23.25	8.37	4.20	0.70	25.85	8.44	4.25	0.00
23.30	8.38	4.20	0.70	25.90	8.44	4.25	0.00
23.35	8.38	4.20	0.70	25.95	8.44	4.25	0.00

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	8.44	4.25	0.00	28.60	8.44	4.25	0.00
26.05	8.44	4.25	0.00	28.65	8.44	4.25	0.00
26.10	8.44	4.25	0.00	28.70	8.44	4.25	0.00
26.15	8.44	4.25	0.00	28.75	8.44	4.25	0.00
26.20	8.44	4.25	0.00	28.80	8.44	4.25	0.00
26.25	8.44	4.25	0.00	28.85	8.44	4.25	0.00
26.30	8.44	4.25	0.00	28.90	8.44	4.25	0.00
26.35	8.44	4.25	0.00	28.95	8.44	4.25	0.00
26.40	8.44	4.25	0.00	29.00	8.44	4.25	0.00
26.45	8.44	4.25	0.00	29.05	8.44	4.25	0.00
26.50	8.44	4.25	0.00	29.10	8.44	4.25	0.00
26.55	8.44	4.25	0.00	29.15	8.44	4.25	0.00
26.60	8.44	4.25	0.00	29.20	8.44	4.25	0.00
26.65	8.44	4.25	0.00	29.25	8.44	4.25	0.00
26.70	8.44	4.25	0.00	29.30	8.44	4.25	0.00
26.75	8.44	4.25	0.00	29.35	8.44	4.25	0.00
26.80	8.44	4.25	0.00	29.40	8.44	4.25	0.00
26.85	8.44	4.25	0.00	29.45	8.44	4.25	0.00
26.90	8.44	4.25	0.00	29.50	8.44	4.25	0.00
26.95	8.44	4.25	0.00	29.55	8.44	4.25	0.00
27.00	8.44	4.25	0.00	29.60	8.44	4.25	0.00
27.05	8.44	4.25	0.00	29.65	8.44	4.25	0.00
27.10	8.44	4.25	0.00	29.70	8.44	4.25	0.00
27.15	8.44	4.25	0.00	29.75	8.44	4.25	0.00
27.20	8.44	4.25	0.00	29.80	8.44	4.25	0.00
27.25	8.44	4.25	0.00	29.85	8.44	4.25	0.00
27.30	8.44	4.25	0.00	29.90	8.44	4.25	0.00
27.35	8.44	4.25	0.00	29.95	8.44	4.25	0.00
27.40	8.44	4.25	0.00	30.00	8.44	4.25	0.00
27.45	8.44	4.25	0.00	30.05	8.44	4.25	0.00
27.50	8.44	4.25	0.00	30.10	8.44	4.25	0.00
27.55	8.44	4.25	0.00	30.15	8.44	4.25	0.00
27.60	8.44	4.25	0.00	30.20	8.44	4.25	0.00
27.65	8.44	4.25	0.00	30.25	8.44	4.25	0.00
27.70	8.44	4.25	0.00	30.30	8.44	4.25	0.00
27.75	8.44	4.25	0.00	30.35	8.44	4.25	0.00
27.80	8.44	4.25	0.00	30.40	8.44	4.25	0.00
27.85	8.44	4.25	0.00	30.45	8.44	4.25	0.00
27.90	8.44	4.25	0.00	30.50	8.44	4.25	0.00
27.95	8.44	4.25	0.00	30.55	8.44	4.25	0.00
28.00	8.44	4.25	0.00	30.60	8.44	4.25	0.00
28.05	8.44	4.25	0.00	30.65	8.44	4.25	0.00
28.10	8.44	4.25	0.00	30.70	8.44	4.25	0.00
28.15	8.44	4.25	0.00	30.75	8.44	4.25	0.00
28.20	8.44	4.25	0.00	30.80	8.44	4.25	0.00
28.25	8.44	4.25	0.00	30.85	8.44	4.25	0.00
28.30	8.44	4.25	0.00	30.90	8.44	4.25	0.00
28.35	8.44	4.25	0.00	30.95	8.44	4.25	0.00
28.40	8.44	4.25	0.00	31.00	8.44	4.25	0.00
28.45	8.44	4.25	0.00	31.05	8.44	4.25	0.00
28.50	8.44	4.25	0.00	31.10	8.44	4.25	0.00
28.55	8.44	4.25	0.00	31.15	8.44	4.25	0.00

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	8.44	4.25	0.00	33.80	8.44	4.25	0.00
31.25	8.44	4.25	0.00	33.85	8.44	4.25	0.00
31.30	8.44	4.25	0.00	33.90	8.44	4.25	0.00
31.35	8.44	4.25	0.00	33.95	8.44	4.25	0.00
31.40	8.44	4.25	0.00	34.00	8.44	4.25	0.00
31.45	8.44	4.25	0.00	34.05	8.44	4.25	0.00
31.50	8.44	4.25	0.00	34.10	8.44	4.25	0.00
31.55	8.44	4.25	0.00	34.15	8.44	4.25	0.00
31.60	8.44	4.25	0.00	34.20	8.44	4.25	0.00
31.65	8.44	4.25	0.00	34.25	8.44	4.25	0.00
31.70	8.44	4.25	0.00	34.30	8.44	4.25	0.00
31.75	8.44	4.25	0.00	34.35	8.44	4.25	0.00
31.80	8.44	4.25	0.00	34.40	8.44	4.25	0.00
31.85	8.44	4.25	0.00	34.45	8.44	4.25	0.00
31.90	8.44	4.25	0.00	34.50	8.44	4.25	0.00
31.95	8.44	4.25	0.00	34.55	8.44	4.25	0.00
32.00	8.44	4.25	0.00	34.60	8.44	4.25	0.00
32.05	8.44	4.25	0.00	34.65	8.44	4.25	0.00
32.10	8.44	4.25	0.00	34.70	8.44	4.25	0.00
32.15	8.44	4.25	0.00	34.75	8.44	4.25	0.00
32.20	8.44	4.25	0.00	34.80	8.44	4.25	0.00
32.25	8.44	4.25	0.00	34.85	8.44	4.25	0.00
32.30	8.44	4.25	0.00	34.90	8.44	4.25	0.00
32.35	8.44	4.25	0.00	34.95	8.44	4.25	0.00
32.40	8.44	4.25	0.00	35.00	8.44	4.25	0.00
32.45	8.44	4.25	0.00	35.05	8.44	4.25	0.00
32.50	8.44	4.25	0.00	35.10	8.44	4.25	0.00
32.55	8.44	4.25	0.00	35.15	8.44	4.25	0.00
32.60	8.44	4.25	0.00	35.20	8.44	4.25	0.00
32.65	8.44	4.25	0.00	35.25	8.44	4.25	0.00
32.70	8.44	4.25	0.00	35.30	8.44	4.25	0.00
32.75	8.44	4.25	0.00	35.35	8.44	4.25	0.00
32.80	8.44	4.25	0.00	35.40	8.44	4.25	0.00
32.85	8.44	4.25	0.00	35.45	8.44	4.25	0.00
32.90	8.44	4.25	0.00	35.50	8.44	4.25	0.00
32.95	8.44	4.25	0.00	35.55	8.44	4.25	0.00
33.00	8.44	4.25	0.00	35.60	8.44	4.25	0.00
33.05	8.44	4.25	0.00	35.65	8.44	4.25	0.00
33.10	8.44	4.25	0.00	35.70	8.44	4.25	0.00
33.15	8.44	4.25	0.00	35.75	8.44	4.25	0.00
33.20	8.44	4.25	0.00	35.80	8.44	4.25	0.00
33.25	8.44	4.25	0.00	35.85	8.44	4.25	0.00
33.30	8.44	4.25	0.00	35.90	8.44	4.25	0.00
33.35	8.44	4.25	0.00	35.95	8.44	4.25	0.00
33.40	8.44	4.25	0.00	36.00	8.44	4.25	0.00
33.45	8.44	4.25	0.00	36.05	8.44	4.25	0.00
33.50	8.44	4.25	0.00	36.10	8.44	4.25	0.00
33.55	8.44	4.25	0.00	36.15	8.44	4.25	0.00
33.60	8.44	4.25	0.00	36.20	8.44	4.25	0.00
33.65	8.44	4.25	0.00	36.25	8.44	4.25	0.00
33.70	8.44	4.25	0.00	36.30	8.44	4.25	0.00
33.75	8.44	4.25	0.00	36.35	8.44	4.25	0.00

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	8.44	4.25	0.00
36.45	8.44	4.25	0.00
36.50	8.44	4.25	0.00
36.55	8.44	4.25	0.00
36.60	8.44	4.25	0.00
36.65	8.44	4.25	0.00
36.70	8.44	4.25	0.00
36.75	8.44	4.25	0.00
36.80	8.44	4.25	0.00
36.85	8.44	4.25	0.00
36.90	8.44	4.25	0.00
36.95	8.44	4.25	0.00
37.00	8.44	4.25	0.00
37.05	8.44	4.25	0.00
37.10	8.44	4.25	0.00
37.15	8.44	4.25	0.00
37.20	8.44	4.25	0.00
37.25	8.44	4.25	0.00
37.30	8.44	4.25	0.00
37.35	8.44	4.25	0.00
37.40	8.44	4.25	0.00
37.45	8.44	4.25	0.00
37.50	8.44	4.25	0.00
37.55	8.44	4.25	0.00
37.60	8.44	4.25	0.00
37.65	8.44	4.25	0.00
37.70	8.44	4.25	0.00
37.75	8.44	4.25	0.00
37.80	8.44	4.25	0.00
37.85	8.44	4.25	0.00
37.90	8.44	4.25	0.00
37.95	8.44	4.25	0.00
38.00	8.44	4.25	0.00
38.05	8.44	4.25	0.00
38.10	8.44	4.25	0.00
38.15	8.44	4.25	0.00
38.20	8.44	4.25	0.00
38.25	8.44	4.25	0.00
38.30	8.44	4.25	0.00
38.35	8.44	4.25	0.00
38.40	8.44	4.25	0.00
38.45	8.44	4.25	0.00
38.50	8.44	4.25	0.00
38.55	8.44	4.25	0.00
38.60	8.44	4.25	0.00
38.65	8.44	4.25	0.00
38.70	8.44	4.25	0.00
38.75	8.44	4.25	0.00
38.80	8.44	4.25	0.00
38.85	8.44	4.25	0.00
38.90	8.44	4.25	0.00
38.95	8.44	4.25	0.00
39.00	8.44	4.25	0.00
39.05	8.44	4.25	0.00
39.10	8.44	4.25	0.00
39.15	8.44	4.25	0.00
39.20	8.44	4.25	0.00
39.25	8.44	4.25	0.00
39.30	8.44	4.25	0.00
39.35	8.44	4.25	0.00
39.40	8.44	4.25	0.00
39.45	8.44	4.25	0.00
39.50	8.44	4.25	0.00
39.55	8.44	4.25	0.00
39.60	8.44	4.25	0.00
39.65	8.44	4.25	0.00
39.70	8.44	4.25	0.00
39.75	8.44	4.25	0.00
39.80	8.44	4.25	0.00
39.85	8.44	4.25	0.00
39.90	8.44	4.25	0.00
39.95	8.44	4.25	0.00
40.00	8.44	4.25	0.00

Summary for Pond B-51: Basin #51

Inflow Area = 11.027 ac, 43.68% Impervious, Inflow Depth > 6.04" for Current 100 yr event
Inflow = 45.42 cfs @ 12.20 hrs, Volume= 5.546 af
Outflow = 18.94 cfs @ 12.62 hrs, Volume= 5.499 af, Atten= 58%, Lag= 25.2 min
Primary = 18.94 cfs @ 12.62 hrs, Volume= 5.499 af
Routed to Link PDA-6ON : Proposed Onsite Drainage Area #6

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 187.57' @ 12.62 hrs Surf.Area= 16,548 sf Storage= 59,116 cf

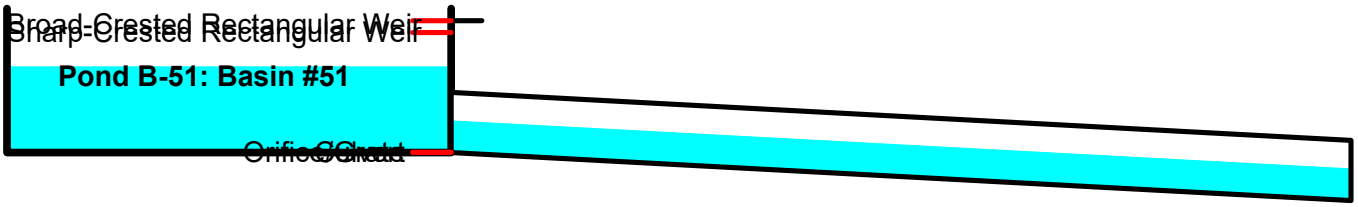
Plug-Flow detention time= 63.4 min calculated for 5.499 af (99% of inflow)
Center-of-Mass det. time= 51.8 min (938.4 - 886.7)

Volume	Invert	Avail.Storage	Storage Description
#1	184.00'	99,288 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

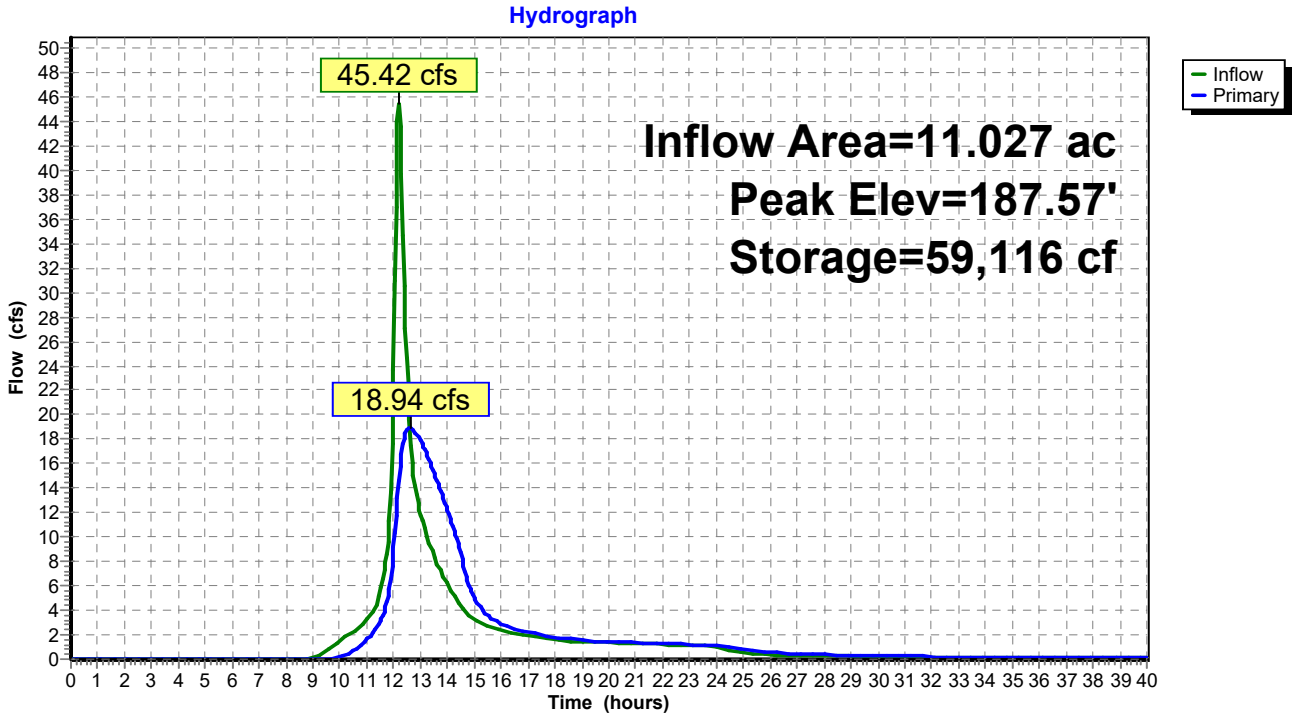
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
184.00	16,548	0	0
185.00	16,548	16,548	16,548
186.00	16,548	16,548	33,096
187.00	16,548	16,548	49,644
188.00	16,548	16,548	66,192
189.00	16,548	16,548	82,740
190.00	16,548	16,548	99,288

Device	Routing	Invert	Outlet Devices
#1	Primary	184.00'	**30.0" Round Culvert** L= 147.0' Ke= 0.500 Inlet / Outlet Invert= 184.00' / 182.00' S= 0.0136 '/' Cc= 0.900 n= 0.013, Flow Area= 4.91 sf
#2	Device 1	184.01'	**27.0" W x 12.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	189.00'	**8.0' long Sharp-Crested Rectangular Weir** 0 End Contraction(s)
#4	Primary	189.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=18.93 cfs @ 12.62 hrs HW=187.57' (Free Discharge)
- **1=Culvert** (Passes 18.93 cfs of 36.00 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 18.93 cfs @ 8.41 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-51: Basin #51



Hydrograph for Pond B-51: Basin #51

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	184.00	0.00
0.10	0.00	0	184.00	0.00
0.20	0.00	0	184.00	0.00
0.30	0.00	0	184.00	0.00
0.40	0.00	0	184.00	0.00
0.50	0.00	0	184.00	0.00
0.60	0.00	0	184.00	0.00
0.70	0.00	0	184.00	0.00
0.80	0.00	0	184.00	0.00
0.90	0.00	0	184.00	0.00
1.00	0.00	0	184.00	0.00
1.10	0.00	0	184.00	0.00
1.20	0.00	0	184.00	0.00
1.30	0.00	0	184.00	0.00
1.40	0.00	0	184.00	0.00
1.50	0.00	0	184.00	0.00
1.60	0.00	0	184.00	0.00
1.70	0.00	0	184.00	0.00
1.80	0.00	0	184.00	0.00
1.90	0.00	0	184.00	0.00
2.00	0.00	0	184.00	0.00
2.10	0.00	0	184.00	0.00
2.20	0.00	0	184.00	0.00
2.30	0.00	0	184.00	0.00
2.40	0.00	0	184.00	0.00
2.50	0.00	0	184.00	0.00
2.60	0.00	0	184.00	0.00
2.70	0.00	0	184.00	0.00
2.80	0.00	0	184.00	0.00
2.90	0.00	0	184.00	0.00
3.00	0.00	0	184.00	0.00
3.10	0.00	0	184.00	0.00
3.20	0.00	0	184.00	0.00
3.30	0.00	0	184.00	0.00
3.40	0.00	0	184.00	0.00
3.50	0.00	0	184.00	0.00
3.60	0.00	0	184.00	0.00
3.70	0.00	0	184.00	0.00
3.80	0.00	0	184.00	0.00
3.90	0.00	0	184.00	0.00
4.00	0.00	0	184.00	0.00
4.10	0.00	0	184.00	0.00
4.20	0.00	0	184.00	0.00
4.30	0.00	0	184.00	0.00
4.40	0.00	0	184.00	0.00
4.50	0.00	0	184.00	0.00
4.60	0.00	0	184.00	0.00
4.70	0.00	0	184.00	0.00
4.80	0.00	0	184.00	0.00
4.90	0.00	0	184.00	0.00
5.00	0.00	0	184.00	0.00
5.10	0.00	0	184.00	0.00

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	0	184.00	0.00
5.30	0.00	0	184.00	0.00
5.40	0.00	0	184.00	0.00
5.50	0.00	0	184.00	0.00
5.60	0.00	0	184.00	0.00
5.70	0.00	0	184.00	0.00
5.80	0.00	0	184.00	0.00
5.90	0.00	0	184.00	0.00
6.00	0.00	0	184.00	0.00
6.10	0.00	0	184.00	0.00
6.20	0.00	0	184.00	0.00
6.30	0.00	0	184.00	0.00
6.40	0.00	0	184.00	0.00
6.50	0.00	0	184.00	0.00
6.60	0.00	1	184.00	0.00
6.70	0.00	2	184.00	0.00
6.80	0.00	3	184.00	0.00
6.90	0.01	5	184.00	0.00
7.00	0.01	7	184.00	0.00
7.10	0.01	9	184.00	0.00
7.20	0.01	12	184.00	0.00
7.30	0.01	16	184.00	0.00
7.40	0.01	19	184.00	0.00
7.50	0.01	24	184.00	0.00
7.60	0.01	28	184.00	0.00
7.70	0.02	34	184.00	0.00
7.80	0.02	39	184.00	0.00
7.90	0.02	46	184.00	0.00
8.00	0.02	53	184.00	0.00
8.10	0.02	60	184.00	0.00
8.20	0.02	68	184.00	0.00
8.30	0.02	77	184.00	0.00
8.40	0.03	86	184.01	0.00
8.50	0.03	96	184.01	0.00
8.60	0.03	106	184.01	0.00
8.70	0.03	117	184.01	0.00
8.80	0.03	129	184.01	0.00
8.90	0.04	142	184.01	0.00
9.00	0.04	155	184.01	0.00
9.10	0.04	169	184.01	0.00
9.20	0.13	197	184.01	0.00
9.30	0.29	272	184.02	0.00
9.40	0.48	407	184.02	0.01
9.50	0.67	611	184.04	0.01
9.60	0.88	883	184.05	0.02
9.70	1.07	1,222	184.07	0.04
9.80	1.24	1,615	184.10	0.07
9.90	1.40	2,058	184.12	0.11
10.00	1.56	2,541	184.15	0.17
10.10	1.70	3,054	184.18	0.24
10.20	1.83	3,586	184.22	0.33
10.30	1.96	4,131	184.25	0.44

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	2.08	4,680	184.28	0.56
10.50	2.20	5,228	184.32	0.69
10.60	2.35	5,770	184.35	0.84
10.70	2.52	6,315	184.38	1.00
10.80	2.74	6,870	184.42	1.18
10.90	2.99	7,443	184.45	1.38
11.00	3.25	8,033	184.49	1.59
11.10	3.56	8,641	184.52	1.83
11.20	3.92	9,279	184.56	2.10
11.30	4.29	9,948	184.60	2.40
11.40	4.69	10,641	184.64	2.73
11.50	5.41	11,398	184.69	3.11
11.60	6.62	12,344	184.75	3.62
11.70	7.86	13,535	184.82	4.30
11.80	9.62	14,944	184.90	5.17
11.90	13.63	16,980	185.03	6.55
12.00	23.59	20,718	185.25	9.12
12.10	37.00	28,002	185.69	11.69
12.20	**45.41**	38,601	186.33	14.58
12.30	39.67	48,438	186.93	16.81
12.40	30.48	54,703	187.31	18.09
12.50	24.59	57,910	187.50	18.71
12.60	19.58	**59,092**	**187.57**	**18.93**
12.70	16.11	58,648	187.54	18.85
12.80	14.16	57,333	187.46	18.60
12.90	12.79	55,538	187.36	18.25
13.00	11.73	53,449	187.23	17.84
13.10	10.87	51,171	187.09	17.38
13.20	10.16	48,785	186.95	16.89
13.30	9.53	46,342	186.80	16.36
13.40	8.98	43,881	186.65	15.82
13.50	8.43	41,421	186.50	15.25
13.60	7.89	38,971	186.36	14.67
13.70	7.37	36,544	186.21	14.07
13.80	6.90	34,158	186.06	13.45
13.90	6.46	31,834	185.92	12.81
14.00	6.04	29,587	185.79	12.17
14.10	5.65	27,430	185.66	11.51
14.20	5.28	25,374	185.53	10.84
14.30	4.94	23,430	185.42	10.17
14.40	4.59	21,607	185.31	9.49
14.50	4.29	19,921	185.20	8.72
14.60	4.03	18,479	185.12	7.64
14.70	3.80	17,299	185.05	6.77
14.80	3.60	16,320	184.99	6.09
14.90	3.42	15,493	184.94	5.53
15.00	3.24	14,785	184.89	5.07
15.10	3.08	14,168	184.86	4.69
15.20	2.93	13,624	184.82	4.36
15.30	2.81	13,141	184.79	4.07
15.40	2.71	12,714	184.77	3.82
15.50	2.62	12,334	184.75	3.61

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	2.55	11,997	184.73	3.43
15.70	2.48	11,698	184.71	3.27
15.80	2.42	11,428	184.69	3.13
15.90	2.36	11,185	184.68	3.00
16.00	2.31	10,967	184.66	2.89
16.10	2.27	10,769	184.65	2.79
16.20	2.23	10,589	184.64	2.71
16.30	2.19	10,423	184.63	2.63
16.40	2.15	10,271	184.62	2.55
16.50	2.11	10,130	184.61	2.49
16.60	2.07	9,999	184.60	2.42
16.70	2.04	9,876	184.60	2.37
16.80	2.00	9,760	184.59	2.31
16.90	1.96	9,649	184.58	2.27
17.00	1.93	9,543	184.58	2.22
17.10	1.89	9,440	184.57	2.17
17.20	1.86	9,342	184.56	2.13
17.30	1.83	9,246	184.56	2.09
17.40	1.79	9,153	184.55	2.05
17.50	1.76	9,062	184.55	2.01
17.60	1.73	8,974	184.54	1.97
17.70	1.69	8,887	184.54	1.93
17.80	1.67	8,802	184.53	1.90
17.90	1.64	8,719	184.53	1.86
18.00	1.61	8,637	184.52	1.83
18.10	1.58	8,557	184.52	1.80
18.20	1.55	8,478	184.51	1.77
18.30	1.53	8,401	184.51	1.74
18.40	1.51	8,328	184.50	1.71
18.50	1.50	8,259	184.50	1.68
18.60	1.48	8,194	184.50	1.66
18.70	1.47	8,134	184.49	1.63
18.80	1.46	8,077	184.49	1.61
18.90	1.45	8,025	184.48	1.59
19.00	1.44	7,976	184.48	1.57
19.10	1.43	7,931	184.48	1.55
19.20	1.42	7,889	184.48	1.54
19.30	1.41	7,849	184.47	1.52
19.40	1.41	7,811	184.47	1.51
19.50	1.40	7,776	184.47	1.50
19.60	1.39	7,742	184.47	1.48
19.70	1.38	7,710	184.47	1.47
19.80	1.38	7,680	184.46	1.46
19.90	1.37	7,651	184.46	1.45
20.00	1.36	7,623	184.46	1.44
20.10	1.36	7,596	184.46	1.43
20.20	1.35	7,570	184.46	1.42
20.30	1.34	7,545	184.46	1.41
20.40	1.34	7,520	184.45	1.40
20.50	1.33	7,496	184.45	1.40
20.60	1.32	7,473	184.45	1.39
20.70	1.32	7,451	184.45	1.38

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	1.31	7,428	184.45	1.37
20.90	1.30	7,406	184.45	1.36
21.00	1.30	7,385	184.45	1.36
21.10	1.29	7,363	184.44	1.35
21.20	1.28	7,342	184.44	1.34
21.30	1.27	7,321	184.44	1.33
21.40	1.27	7,300	184.44	1.33
21.50	1.26	7,280	184.44	1.32
21.60	1.25	7,259	184.44	1.31
21.70	1.25	7,239	184.44	1.30
21.80	1.24	7,218	184.44	1.30
21.90	1.23	7,198	184.43	1.29
22.00	1.23	7,178	184.43	1.28
22.10	1.22	7,158	184.43	1.27
22.20	1.21	7,138	184.43	1.27
22.30	1.20	7,118	184.43	1.26
22.40	1.20	7,098	184.43	1.25
22.50	1.19	7,078	184.43	1.25
22.60	1.18	7,058	184.43	1.24
22.70	1.18	7,038	184.43	1.23
22.80	1.17	7,018	184.42	1.22
22.90	1.16	6,998	184.42	1.22
23.00	1.15	6,977	184.42	1.21
23.10	1.15	6,957	184.42	1.20
23.20	1.14	6,937	184.42	1.20
23.30	1.13	6,917	184.42	1.19
23.40	1.13	6,896	184.42	1.18
23.50	1.12	6,875	184.42	1.18
23.60	1.11	6,854	184.41	1.17
23.70	1.10	6,832	184.41	1.16
23.80	1.10	6,811	184.41	1.16
23.90	1.09	6,789	184.41	1.15
24.00	1.10	6,770	184.41	1.14
24.10	1.03	6,747	184.41	1.14
24.20	0.90	6,686	184.40	1.12
24.30	0.80	6,593	184.40	1.09
24.40	0.72	6,482	184.39	1.05
24.50	0.66	6,359	184.38	1.01
24.60	0.62	6,231	184.38	0.97
24.70	0.59	6,105	184.37	0.94
24.80	0.56	5,982	184.36	0.90
24.90	0.53	5,862	184.35	0.86
25.00	0.51	5,744	184.35	0.83
25.10	0.49	5,630	184.34	0.80
25.20	0.47	5,519	184.33	0.77
25.30	0.45	5,413	184.33	0.74
25.40	0.44	5,310	184.32	0.72
25.50	0.42	5,212	184.31	0.69
25.60	0.41	5,119	184.31	0.66
25.70	0.40	5,030	184.30	0.64
25.80	0.39	4,945	184.30	0.62
25.90	0.38	4,864	184.29	0.60

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.37	4,787	184.29	0.58
26.10	0.37	4,712	184.28	0.57
26.20	0.36	4,642	184.28	0.55
26.30	0.35	4,574	184.28	0.54
26.40	0.35	4,510	184.27	0.52
26.50	0.34	4,448	184.27	0.51
26.60	0.33	4,389	184.27	0.49
26.70	0.33	4,333	184.26	0.48
26.80	0.32	4,280	184.26	0.47
26.90	0.32	4,229	184.26	0.46
27.00	0.31	4,180	184.25	0.45
27.10	0.31	4,133	184.25	0.44
27.20	0.31	4,088	184.25	0.43
27.30	0.30	4,045	184.24	0.42
27.40	0.30	4,004	184.24	0.41
27.50	0.29	3,965	184.24	0.40
27.60	0.29	3,926	184.24	0.39
27.70	0.28	3,889	184.23	0.39
27.80	0.28	3,852	184.23	0.38
27.90	0.27	3,815	184.23	0.37
28.00	0.27	3,780	184.23	0.37
28.10	0.27	3,745	184.23	0.36
28.20	0.26	3,711	184.22	0.36
28.30	0.26	3,677	184.22	0.35
28.40	0.25	3,644	184.22	0.34
28.50	0.25	3,612	184.22	0.34
28.60	0.24	3,580	184.22	0.33
28.70	0.24	3,548	184.21	0.33
28.80	0.24	3,517	184.21	0.32
28.90	0.23	3,487	184.21	0.32
29.00	0.23	3,456	184.21	0.31
29.10	0.22	3,427	184.21	0.31
29.20	0.22	3,398	184.21	0.30
29.30	0.22	3,369	184.20	0.30
29.40	0.21	3,341	184.20	0.29
29.50	0.21	3,314	184.20	0.29
29.60	0.21	3,287	184.20	0.28
29.70	0.21	3,261	184.20	0.28
29.80	0.20	3,236	184.20	0.27
29.90	0.20	3,211	184.19	0.27
30.00	0.20	3,188	184.19	0.26
30.10	0.20	3,164	184.19	0.26
30.20	0.19	3,142	184.19	0.26
30.30	0.19	3,120	184.19	0.25
30.40	0.19	3,099	184.19	0.25
30.50	0.19	3,079	184.19	0.24
30.60	0.19	3,059	184.18	0.24
30.70	0.19	3,039	184.18	0.24
30.80	0.18	3,021	184.18	0.23
30.90	0.18	3,003	184.18	0.23
31.00	0.18	2,986	184.18	0.23
31.10	0.18	2,969	184.18	0.23

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.18	2,952	184.18	0.22
31.30	0.18	2,936	184.18	0.22
31.40	0.18	2,920	184.18	0.22
31.50	0.17	2,904	184.18	0.22
31.60	0.17	2,889	184.17	0.22
31.70	0.17	2,874	184.17	0.21
31.80	0.17	2,859	184.17	0.21
31.90	0.17	2,844	184.17	0.21
32.00	0.17	2,829	184.17	0.21
32.10	0.17	2,815	184.17	0.21
32.20	0.17	2,801	184.17	0.20
32.30	0.17	2,787	184.17	0.20
32.40	0.16	2,773	184.17	0.20
32.50	0.16	2,760	184.17	0.20
32.60	0.16	2,747	184.17	0.20
32.70	0.16	2,734	184.17	0.20
32.80	0.16	2,721	184.16	0.19
32.90	0.16	2,708	184.16	0.19
33.00	0.16	2,696	184.16	0.19
33.10	0.16	2,683	184.16	0.19
33.20	0.16	2,671	184.16	0.19
33.30	0.15	2,659	184.16	0.19
33.40	0.15	2,648	184.16	0.19
33.50	0.15	2,636	184.16	0.18
33.60	0.15	2,624	184.16	0.18
33.70	0.15	2,613	184.16	0.18
33.80	0.15	2,602	184.16	0.18
33.90	0.15	2,591	184.16	0.18
34.00	0.15	2,580	184.16	0.18
34.10	0.15	2,569	184.16	0.18
34.20	0.15	2,559	184.15	0.17
34.30	0.14	2,548	184.15	0.17
34.40	0.14	2,538	184.15	0.17
34.50	0.14	2,528	184.15	0.17
34.60	0.14	2,518	184.15	0.17
34.70	0.14	2,508	184.15	0.17
34.80	0.14	2,498	184.15	0.17
34.90	0.14	2,488	184.15	0.17
35.00	0.14	2,479	184.15	0.16
35.10	0.14	2,469	184.15	0.16
35.20	0.14	2,460	184.15	0.16
35.30	0.14	2,451	184.15	0.16
35.40	0.13	2,441	184.15	0.16
35.50	0.13	2,432	184.15	0.16
35.60	0.13	2,423	184.15	0.16
35.70	0.13	2,414	184.15	0.16
35.80	0.13	2,406	184.15	0.15
35.90	0.13	2,397	184.14	0.15
36.00	0.13	2,388	184.14	0.15
36.10	0.13	2,379	184.14	0.15
36.20	0.13	2,371	184.14	0.15
36.30	0.13	2,362	184.14	0.15

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.13	2,354	184.14	0.15
36.50	0.12	2,345	184.14	0.15
36.60	0.12	2,337	184.14	0.15
36.70	0.12	2,329	184.14	0.15
36.80	0.12	2,321	184.14	0.14
36.90	0.12	2,312	184.14	0.14
37.00	0.12	2,304	184.14	0.14
37.10	0.12	2,296	184.14	0.14
37.20	0.12	2,288	184.14	0.14
37.30	0.12	2,280	184.14	0.14
37.40	0.12	2,272	184.14	0.14
37.50	0.11	2,264	184.14	0.14
37.60	0.11	2,256	184.14	0.14
37.70	0.11	2,248	184.14	0.14
37.80	0.11	2,240	184.14	0.13
37.90	0.11	2,233	184.13	0.13
38.00	0.11	2,225	184.13	0.13
38.10	0.11	2,217	184.13	0.13
38.20	0.11	2,209	184.13	0.13
38.30	0.11	2,201	184.13	0.13
38.40	0.11	2,194	184.13	0.13
38.50	0.11	2,186	184.13	0.13
38.60	0.10	2,178	184.13	0.13
38.70	0.10	2,171	184.13	0.13
38.80	0.10	2,163	184.13	0.12
38.90	0.10	2,156	184.13	0.12
39.00	0.10	2,148	184.13	0.12
39.10	0.10	2,140	184.13	0.12
39.20	0.10	2,133	184.13	0.12
39.30	0.10	2,125	184.13	0.12
39.40	0.10	2,118	184.13	0.12
39.50	0.10	2,110	184.13	0.12
39.60	0.10	2,103	184.13	0.12
39.70	0.09	2,095	184.13	0.12
39.80	0.09	2,088	184.13	0.11
39.90	0.09	2,080	184.13	0.11
40.00	0.09	2,073	184.13	0.11

Stage-Discharge for Pond B-51: Basin #51

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
184.00	0.00	184.52	1.81	185.04	6.71	185.56	10.99
184.01	0.00	184.53	1.88	185.05	6.83	185.57	11.05
184.02	0.00	184.54	1.95	185.06	6.94	185.58	11.10
184.03	0.01	184.55	2.02	185.07	7.06	185.59	11.15
184.04	0.01	184.56	2.09	185.08	7.19	185.60	11.21
184.05	0.02	184.57	2.17	185.09	7.31	185.61	11.26
184.06	0.03	184.58	2.24	185.10	7.43	185.62	11.31
184.07	0.03	184.59	2.31	185.11	7.55	185.63	11.37
184.08	0.05	184.60	2.39	185.12	7.67	185.64	11.42
184.09	0.06	184.61	2.47	185.13	7.80	185.65	11.47
184.10	0.07	184.62	2.54	185.14	7.92	185.66	11.52
184.11	0.09	184.63	2.62	185.15	8.05	185.67	11.57
184.12	0.10	184.64	2.70	185.16	8.18	185.68	11.63
184.13	0.12	184.65	2.78	185.17	8.30	185.69	11.68
184.14	0.14	184.66	2.87	185.18	8.43	185.70	11.73
184.15	0.16	184.67	2.95	185.19	8.56	185.71	11.78
184.16	0.18	184.68	3.03	185.20	8.69	185.72	11.83
184.17	0.20	184.69	3.12	185.21	8.82	185.73	11.88
184.18	0.23	184.70	3.21	185.22	8.92	185.74	11.93
184.19	0.25	184.71	3.29	185.23	8.99	185.75	11.98
184.20	0.28	184.72	3.38	185.24	9.06	185.76	12.03
184.21	0.31	184.73	3.47	185.25	9.12	185.77	12.08
184.22	0.34	184.74	3.56	185.26	9.19	185.78	12.13
184.23	0.37	184.75	3.65	185.27	9.26	185.79	12.18
184.24	0.40	184.76	3.74	185.28	9.32	185.80	12.23
184.25	0.43	184.77	3.84	185.29	9.39	185.81	12.27
184.26	0.47	184.78	3.93	185.30	9.45	185.82	12.32
184.27	0.51	184.79	4.03	185.31	9.52	185.83	12.37
184.28	0.54	184.80	4.12	185.32	9.58	185.84	12.42
184.29	0.58	184.81	4.22	185.33	9.65	185.85	12.47
184.30	0.62	184.82	4.32	185.34	9.71	185.86	12.51
184.31	0.66	184.83	4.42	185.35	9.77	185.87	12.56
184.32	0.71	184.84	4.52	185.36	9.83	185.88	12.61
184.33	0.75	184.85	4.62	185.37	9.89	185.89	12.66
184.34	0.80	184.86	4.72	185.38	9.96	185.90	12.70
184.35	0.84	184.87	4.82	185.39	10.02	185.91	12.75
184.36	0.89	184.88	4.93	185.40	10.08	185.92	12.80
184.37	0.94	184.89	5.03	185.41	10.14	185.93	12.84
184.38	0.99	184.90	5.14	185.42	10.20	185.94	12.89
184.39	1.04	184.91	5.25	185.43	10.26	185.95	12.93
184.40	1.09	184.92	5.35	185.44	10.31	185.96	12.98
184.41	1.15	184.93	5.46	185.45	10.37	185.97	13.02
184.42	1.20	184.94	5.57	185.46	10.43	185.98	13.07
184.43	1.26	184.95	5.68	185.47	10.49	185.99	13.12
184.44	1.31	184.96	5.79	185.48	10.55	186.00	13.16
184.45	1.37	184.97	5.90	185.49	10.60	186.01	13.21
184.46	1.43	184.98	6.02	185.50	10.66	186.02	13.25
184.47	1.49	184.99	6.13	185.51	10.71	186.03	13.30
184.48	1.55	185.00	6.24	185.52	10.77	186.04	13.34
184.49	1.62	185.01	6.36	185.53	10.83	186.05	13.38
184.50	1.68	185.02	6.47	185.54	10.88	186.06	13.43
184.51	1.75	185.03	6.59	185.55	10.94	186.07	13.47

Stage-Discharge for Pond B-51: Basin #51 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
186.08	13.52	186.60	15.62	187.12	17.48	187.64	19.15
186.09	13.56	186.61	15.66	187.13	17.51	187.65	19.18
186.10	13.60	186.62	15.70	187.14	17.54	187.66	19.21
186.11	13.65	186.63	15.74	187.15	17.58	187.67	19.24
186.12	13.69	186.64	15.77	187.16	17.61	187.68	19.27
186.13	13.73	186.65	15.81	187.17	17.64	187.69	19.30
186.14	13.78	186.66	15.85	187.18	17.68	187.70	19.33
186.15	13.82	186.67	15.89	187.19	17.71	187.71	19.36
186.16	13.86	186.68	15.92	187.20	17.74	187.72	19.39
186.17	13.90	186.69	15.96	187.21	17.78	187.73	19.42
186.18	13.95	186.70	16.00	187.22	17.81	187.74	19.45
186.19	13.99	186.71	16.03	187.23	17.84	187.75	19.48
186.20	14.03	186.72	16.07	187.24	17.88	187.76	19.51
186.21	14.07	186.73	16.11	187.25	17.91	187.77	19.54
186.22	14.12	186.74	16.14	187.26	17.94	187.78	19.57
186.23	14.16	186.75	16.18	187.27	17.97	187.79	19.60
186.24	14.20	186.76	16.22	187.28	18.01	187.80	19.63
186.25	14.24	186.77	16.25	187.29	18.04	187.81	19.66
186.26	14.28	186.78	16.29	187.30	18.07	187.82	19.69
186.27	14.32	186.79	16.33	187.31	18.10	187.83	19.72
186.28	14.36	186.80	16.36	187.32	18.14	187.84	19.75
186.29	14.41	186.81	16.40	187.33	18.17	187.85	19.78
186.30	14.45	186.82	16.43	187.34	18.20	187.86	19.81
186.31	14.49	186.83	16.47	187.35	18.23	187.87	19.84
186.32	14.53	186.84	16.50	187.36	18.27	187.88	19.87
186.33	14.57	186.85	16.54	187.37	18.30	187.89	19.90
186.34	14.61	186.86	16.58	187.38	18.33	187.90	19.93
186.35	14.65	186.87	16.61	187.39	18.36	187.91	19.96
186.36	14.69	186.88	16.65	187.40	18.39	187.92	19.99
186.37	14.73	186.89	16.68	187.41	18.43	187.93	20.02
186.38	14.77	186.90	16.72	187.42	18.46	187.94	20.05
186.39	14.81	186.91	16.75	187.43	18.49	187.95	20.08
186.40	14.85	186.92	16.79	187.44	18.52	187.96	20.11
186.41	14.89	186.93	16.82	187.45	18.55	187.97	20.13
186.42	14.93	186.94	16.86	187.46	18.59	187.98	20.16
186.43	14.97	186.95	16.89	187.47	18.62	187.99	20.19
186.44	15.01	186.96	16.93	187.48	18.65	188.00	20.22
186.45	15.05	186.97	16.96	187.49	18.68	188.01	20.25
186.46	15.09	186.98	17.00	187.50	18.71	188.02	20.28
186.47	15.13	186.99	17.03	187.51	18.74	188.03	20.31
186.48	15.16	187.00	17.07	187.52	18.77	188.04	20.34
186.49	15.20	187.01	17.10	187.53	18.81	188.05	20.37
186.50	15.24	187.02	17.14	187.54	18.84	188.06	20.40
186.51	15.28	187.03	17.17	187.55	18.87	188.07	20.42
186.52	15.32	187.04	17.20	187.56	18.90	188.08	20.45
186.53	15.36	187.05	17.24	187.57	18.93	188.09	20.48
186.54	15.40	187.06	17.27	187.58	18.96	188.10	20.51
186.55	15.43	187.07	17.31	187.59	18.99	188.11	20.54
186.56	15.47	187.08	17.34	187.60	19.02	188.12	20.57
186.57	15.51	187.09	17.37	187.61	19.05	188.13	20.60
186.58	15.55	187.10	17.41	187.62	19.08	188.14	20.62
186.59	15.59	187.11	17.44	187.63	19.12	188.15	20.65

Stage-Discharge for Pond B-51: Basin #51 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
188.16	20.68	188.68	22.11	189.20	25.79	189.72	52.99
188.17	20.71	188.69	22.14	189.21	25.99	189.73	54.24
188.18	20.74	188.70	22.16	189.22	26.20	189.74	55.52
188.19	20.77	188.71	22.19	189.23	26.41	189.75	56.83
188.20	20.79	188.72	22.22	189.24	26.63	189.76	58.17
188.21	20.82	188.73	22.24	189.25	26.85	189.77	59.54
188.22	20.85	188.74	22.27	189.26	27.07	189.78	60.93
188.23	20.88	188.75	22.29	189.27	27.30	189.79	62.35
188.24	20.91	188.76	22.32	189.28	27.53	189.80	63.80
188.25	20.94	188.77	22.35	189.29	27.76	189.81	65.27
188.26	20.96	188.78	22.37	189.30	28.00	189.82	66.77
188.27	20.99	188.79	22.40	189.31	28.24	189.83	68.29
188.28	21.02	188.80	22.43	189.32	28.48	189.84	69.84
188.29	21.05	188.81	22.45	189.33	28.73	189.85	71.42
188.30	21.08	188.82	22.48	189.34	28.99	189.86	73.03
188.31	21.10	188.83	22.50	189.35	29.24	189.87	74.66
188.32	21.13	188.84	22.53	189.36	29.50	189.88	76.32
188.33	21.16	188.85	22.56	189.37	29.76	189.89	78.00
188.34	21.19	188.86	22.58	189.38	30.03	189.90	79.71
188.35	21.21	188.87	22.61	189.39	30.29	189.91	81.47
188.36	21.24	188.88	22.63	189.40	30.56	189.92	83.26
188.37	21.27	188.89	22.66	189.41	30.84	189.93	85.08
188.38	21.30	188.90	22.69	189.42	31.12	189.94	86.93
188.39	21.33	188.91	22.71	189.43	31.40	189.95	88.80
188.40	21.35	188.92	22.74	189.44	31.68	189.96	90.70
188.41	21.38	188.93	22.76	189.45	31.97	189.97	92.64
188.42	21.41	188.94	22.79	189.46	32.25	189.98	94.60
188.43	21.44	188.95	22.82	189.47	32.55	189.99	96.58
188.44	21.46	188.96	22.84	189.48	32.84	190.00	**98.58**
188.45	21.49	188.97	22.87	189.49	33.14		
188.46	21.52	188.98	22.89	189.50	33.44		
188.47	21.54	188.99	22.92	189.51	33.86		
188.48	21.57	189.00	22.94	189.52	34.38		
188.49	21.60	189.01	23.00	189.53	34.97		
188.50	21.63	189.02	23.07	189.54	35.61		
188.51	21.65	189.03	23.16	189.55	36.29		
188.52	21.68	189.04	23.26	189.56	37.02		
188.53	21.71	189.05	23.36	189.57	37.79		
188.54	21.73	189.06	23.48	189.58	38.60		
188.55	21.76	189.07	23.61	189.59	39.44		
188.56	21.79	189.08	23.74	189.60	40.31		
188.57	21.82	189.09	23.88	189.61	41.21		
188.58	21.84	189.10	24.03	189.62	42.14		
188.59	21.87	189.11	24.18	189.63	43.10		
188.60	21.90	189.12	24.34	189.64	44.09		
188.61	21.92	189.13	24.50	189.65	45.11		
188.62	21.95	189.14	24.67	189.66	46.15		
188.63	21.98	189.15	24.84	189.67	47.21		
188.64	22.00	189.16	25.02	189.68	48.30		
188.65	22.03	189.17	25.21	189.69	49.42		
188.66	22.06	189.18	25.40	189.70	50.56		
188.67	22.08	189.19	25.59	189.71	51.76		

Stage-Area-Storage for Pond B-51: Basin #51

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
184.00	**16,548**	0	184.52	16,548	8,605
184.01	16,548	165	184.53	16,548	8,770
184.02	16,548	331	184.54	16,548	8,936
184.03	16,548	496	184.55	16,548	9,101
184.04	16,548	662	184.56	16,548	9,267
184.05	16,548	827	184.57	16,548	9,432
184.06	16,548	993	184.58	16,548	9,598
184.07	16,548	1,158	184.59	16,548	9,763
184.08	16,548	1,324	184.60	16,548	9,929
184.09	16,548	1,489	184.61	16,548	10,094
184.10	16,548	1,655	184.62	16,548	10,260
184.11	16,548	1,820	184.63	16,548	10,425
184.12	16,548	1,986	184.64	16,548	10,591
184.13	16,548	2,151	184.65	16,548	10,756
184.14	16,548	2,317	184.66	16,548	10,922
184.15	16,548	2,482	184.67	16,548	11,087
184.16	16,548	2,648	184.68	16,548	11,253
184.17	16,548	2,813	184.69	16,548	11,418
184.18	16,548	2,979	184.70	16,548	11,584
184.19	16,548	3,144	184.71	16,548	11,749
184.20	16,548	3,310	184.72	16,548	11,915
184.21	16,548	3,475	184.73	16,548	12,080
184.22	16,548	3,641	184.74	16,548	12,246
184.23	16,548	3,806	184.75	16,548	12,411
184.24	16,548	3,972	184.76	16,548	12,576
184.25	16,548	4,137	184.77	16,548	12,742
184.26	16,548	4,302	184.78	16,548	12,907
184.27	16,548	4,468	184.79	16,548	13,073
184.28	16,548	4,633	184.80	16,548	13,238
184.29	16,548	4,799	184.81	16,548	13,404
184.30	16,548	4,964	184.82	16,548	13,569
184.31	16,548	5,130	184.83	16,548	13,735
184.32	16,548	5,295	184.84	16,548	13,900
184.33	16,548	5,461	184.85	16,548	14,066
184.34	16,548	5,626	184.86	16,548	14,231
184.35	16,548	5,792	184.87	16,548	14,397
184.36	16,548	5,957	184.88	16,548	14,562
184.37	16,548	6,123	184.89	16,548	14,728
184.38	16,548	6,288	184.90	16,548	14,893
184.39	16,548	6,454	184.91	16,548	15,059
184.40	16,548	6,619	184.92	16,548	15,224
184.41	16,548	6,785	184.93	16,548	15,390
184.42	16,548	6,950	184.94	16,548	15,555
184.43	16,548	7,116	184.95	16,548	15,721
184.44	16,548	7,281	184.96	16,548	15,886
184.45	16,548	7,447	184.97	16,548	16,052
184.46	16,548	7,612	184.98	16,548	16,217
184.47	16,548	7,778	184.99	16,548	16,383
184.48	16,548	7,943	185.00	16,548	16,548
184.49	16,548	8,109	185.01	16,548	16,713
184.50	16,548	8,274	185.02	16,548	16,879
184.51	16,548	8,439	185.03	16,548	17,044

Stage-Area-Storage for Pond B-51: Basin #51 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
185.04	16,548	17,210	185.56	16,548	25,815
185.05	16,548	17,375	185.57	16,548	25,980
185.06	16,548	17,541	185.58	16,548	26,146
185.07	16,548	17,706	185.59	16,548	26,311
185.08	16,548	17,872	185.60	16,548	26,477
185.09	16,548	18,037	185.61	16,548	26,642
185.10	16,548	18,203	185.62	16,548	26,808
185.11	16,548	18,368	185.63	16,548	26,973
185.12	16,548	18,534	185.64	16,548	27,139
185.13	16,548	18,699	185.65	16,548	27,304
185.14	16,548	18,865	185.66	16,548	27,470
185.15	16,548	19,030	185.67	16,548	27,635
185.16	16,548	19,196	185.68	16,548	27,801
185.17	16,548	19,361	185.69	16,548	27,966
185.18	16,548	19,527	185.70	16,548	28,132
185.19	16,548	19,692	185.71	16,548	28,297
185.20	16,548	19,858	185.72	16,548	28,463
185.21	16,548	20,023	185.73	16,548	28,628
185.22	16,548	20,189	185.74	16,548	28,794
185.23	16,548	20,354	185.75	16,548	28,959
185.24	16,548	20,520	185.76	16,548	29,124
185.25	16,548	20,685	185.77	16,548	29,290
185.26	16,548	20,850	185.78	16,548	29,455
185.27	16,548	21,016	185.79	16,548	29,621
185.28	16,548	21,181	185.80	16,548	29,786
185.29	16,548	21,347	185.81	16,548	29,952
185.30	16,548	21,512	185.82	16,548	30,117
185.31	16,548	21,678	185.83	16,548	30,283
185.32	16,548	21,843	185.84	16,548	30,448
185.33	16,548	22,009	185.85	16,548	30,614
185.34	16,548	22,174	185.86	16,548	30,779
185.35	16,548	22,340	185.87	16,548	30,945
185.36	16,548	22,505	185.88	16,548	31,110
185.37	16,548	22,671	185.89	16,548	31,276
185.38	16,548	22,836	185.90	16,548	31,441
185.39	16,548	23,002	185.91	16,548	31,607
185.40	16,548	23,167	185.92	16,548	31,772
185.41	16,548	23,333	185.93	16,548	31,938
185.42	16,548	23,498	185.94	16,548	32,103
185.43	16,548	23,664	185.95	16,548	32,269
185.44	16,548	23,829	185.96	16,548	32,434
185.45	16,548	23,995	185.97	16,548	32,600
185.46	16,548	24,160	185.98	16,548	32,765
185.47	16,548	24,326	185.99	16,548	32,931
185.48	16,548	24,491	186.00	16,548	33,096
185.49	16,548	24,657	186.01	16,548	33,261
185.50	16,548	24,822	186.02	16,548	33,427
185.51	16,548	24,987	186.03	16,548	33,592
185.52	16,548	25,153	186.04	16,548	33,758
185.53	16,548	25,318	186.05	16,548	33,923
185.54	16,548	25,484	186.06	16,548	34,089
185.55	16,548	25,649	186.07	16,548	34,254

Stage-Area-Storage for Pond B-51: Basin #51 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
186.08	16,548	34,420	186.60	16,548	43,025
186.09	16,548	34,585	186.61	16,548	43,190
186.10	16,548	34,751	186.62	16,548	43,356
186.11	16,548	34,916	186.63	16,548	43,521
186.12	16,548	35,082	186.64	16,548	43,687
186.13	16,548	35,247	186.65	16,548	43,852
186.14	16,548	35,413	186.66	16,548	44,018
186.15	16,548	35,578	186.67	16,548	44,183
186.16	16,548	35,744	186.68	16,548	44,349
186.17	16,548	35,909	186.69	16,548	44,514
186.18	16,548	36,075	186.70	16,548	44,680
186.19	16,548	36,240	186.71	16,548	44,845
186.20	16,548	36,406	186.72	16,548	45,011
186.21	16,548	36,571	186.73	16,548	45,176
186.22	16,548	36,737	186.74	16,548	45,342
186.23	16,548	36,902	186.75	16,548	45,507
186.24	16,548	37,068	186.76	16,548	45,672
186.25	16,548	37,233	186.77	16,548	45,838
186.26	16,548	37,398	186.78	16,548	46,003
186.27	16,548	37,564	186.79	16,548	46,169
186.28	16,548	37,729	186.80	16,548	46,334
186.29	16,548	37,895	186.81	16,548	46,500
186.30	16,548	38,060	186.82	16,548	46,665
186.31	16,548	38,226	186.83	16,548	46,831
186.32	16,548	38,391	186.84	16,548	46,996
186.33	16,548	38,557	186.85	16,548	47,162
186.34	16,548	38,722	186.86	16,548	47,327
186.35	16,548	38,888	186.87	16,548	47,493
186.36	16,548	39,053	186.88	16,548	47,658
186.37	16,548	39,219	186.89	16,548	47,824
186.38	16,548	39,384	186.90	16,548	47,989
186.39	16,548	39,550	186.91	16,548	48,155
186.40	16,548	39,715	186.92	16,548	48,320
186.41	16,548	39,881	186.93	16,548	48,486
186.42	16,548	40,046	186.94	16,548	48,651
186.43	16,548	40,212	186.95	16,548	48,817
186.44	16,548	40,377	186.96	16,548	48,982
186.45	16,548	40,543	186.97	16,548	49,148
186.46	16,548	40,708	186.98	16,548	49,313
186.47	16,548	40,874	186.99	16,548	49,479
186.48	16,548	41,039	187.00	16,548	49,644
186.49	16,548	41,205	187.01	16,548	49,809
186.50	16,548	41,370	187.02	16,548	49,975
186.51	16,548	41,535	187.03	16,548	50,140
186.52	16,548	41,701	187.04	16,548	50,306
186.53	16,548	41,866	187.05	16,548	50,471
186.54	16,548	42,032	187.06	16,548	50,637
186.55	16,548	42,197	187.07	16,548	50,802
186.56	16,548	42,363	187.08	16,548	50,968
186.57	16,548	42,528	187.09	16,548	51,133
186.58	16,548	42,694	187.10	16,548	51,299
186.59	16,548	42,859	187.11	16,548	51,464

Stage-Area-Storage for Pond B-51: Basin #51 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
187.12	16,548	51,630	187.64	16,548	60,235
187.13	16,548	51,795	187.65	16,548	60,400
187.14	16,548	51,961	187.66	16,548	60,566
187.15	16,548	52,126	187.67	16,548	60,731
187.16	16,548	52,292	187.68	16,548	60,897
187.17	16,548	52,457	187.69	16,548	61,062
187.18	16,548	52,623	187.70	16,548	61,228
187.19	16,548	52,788	187.71	16,548	61,393
187.20	16,548	52,954	187.72	16,548	61,559
187.21	16,548	53,119	187.73	16,548	61,724
187.22	16,548	53,285	187.74	16,548	61,890
187.23	16,548	53,450	187.75	16,548	62,055
187.24	16,548	53,616	187.76	16,548	62,220
187.25	16,548	53,781	187.77	16,548	62,386
187.26	16,548	53,946	187.78	16,548	62,551
187.27	16,548	54,112	187.79	16,548	62,717
187.28	16,548	54,277	187.80	16,548	62,882
187.29	16,548	54,443	187.81	16,548	63,048
187.30	16,548	54,608	187.82	16,548	63,213
187.31	16,548	54,774	187.83	16,548	63,379
187.32	16,548	54,939	187.84	16,548	63,544
187.33	16,548	55,105	187.85	16,548	63,710
187.34	16,548	55,270	187.86	16,548	63,875
187.35	16,548	55,436	187.87	16,548	64,041
187.36	16,548	55,601	187.88	16,548	64,206
187.37	16,548	55,767	187.89	16,548	64,372
187.38	16,548	55,932	187.90	16,548	64,537
187.39	16,548	56,098	187.91	16,548	64,703
187.40	16,548	56,263	187.92	16,548	64,868
187.41	16,548	56,429	187.93	16,548	65,034
187.42	16,548	56,594	187.94	16,548	65,199
187.43	16,548	56,760	187.95	16,548	65,365
187.44	16,548	56,925	187.96	16,548	65,530
187.45	16,548	57,091	187.97	16,548	65,696
187.46	16,548	57,256	187.98	16,548	65,861
187.47	16,548	57,422	187.99	16,548	66,027
187.48	16,548	57,587	188.00	16,548	66,192
187.49	16,548	57,753	188.01	16,548	66,357
187.50	16,548	57,918	188.02	16,548	66,523
187.51	16,548	58,083	188.03	16,548	66,688
187.52	16,548	58,249	188.04	16,548	66,854
187.53	16,548	58,414	188.05	16,548	67,019
187.54	16,548	58,580	188.06	16,548	67,185
187.55	16,548	58,745	188.07	16,548	67,350
187.56	16,548	58,911	188.08	16,548	67,516
187.57	16,548	59,076	188.09	16,548	67,681
187.58	16,548	59,242	188.10	16,548	67,847
187.59	16,548	59,407	188.11	16,548	68,012
187.60	16,548	59,573	188.12	16,548	68,178
187.61	16,548	59,738	188.13	16,548	68,343
187.62	16,548	59,904	188.14	16,548	68,509
187.63	16,548	60,069	188.15	16,548	68,674

Stage-Area-Storage for Pond B-51: Basin #51 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
188.16	16,548	68,840	188.68	16,548	77,445
188.17	16,548	69,005	188.69	16,548	77,610
188.18	16,548	69,171	188.70	16,548	77,776
188.19	16,548	69,336	188.71	16,548	77,941
188.20	16,548	69,502	188.72	16,548	78,107
188.21	16,548	69,667	188.73	16,548	78,272
188.22	16,548	69,833	188.74	16,548	78,438
188.23	16,548	69,998	188.75	16,548	78,603
188.24	16,548	70,164	188.76	16,548	78,768
188.25	16,548	70,329	188.77	16,548	78,934
188.26	16,548	70,494	188.78	16,548	79,099
188.27	16,548	70,660	188.79	16,548	79,265
188.28	16,548	70,825	188.80	16,548	79,430
188.29	16,548	70,991	188.81	16,548	79,596
188.30	16,548	71,156	188.82	16,548	79,761
188.31	16,548	71,322	188.83	16,548	79,927
188.32	16,548	71,487	188.84	16,548	80,092
188.33	16,548	71,653	188.85	16,548	80,258
188.34	16,548	71,818	188.86	16,548	80,423
188.35	16,548	71,984	188.87	16,548	80,589
188.36	16,548	72,149	188.88	16,548	80,754
188.37	16,548	72,315	188.89	16,548	80,920
188.38	16,548	72,480	188.90	16,548	81,085
188.39	16,548	72,646	188.91	16,548	81,251
188.40	16,548	72,811	188.92	16,548	81,416
188.41	16,548	72,977	188.93	16,548	81,582
188.42	16,548	73,142	188.94	16,548	81,747
188.43	16,548	73,308	188.95	16,548	81,913
188.44	16,548	73,473	188.96	16,548	82,078
188.45	16,548	73,639	188.97	16,548	82,244
188.46	16,548	73,804	188.98	16,548	82,409
188.47	16,548	73,970	188.99	16,548	82,575
188.48	16,548	74,135	189.00	16,548	82,740
188.49	16,548	74,301	189.01	16,548	82,905
188.50	16,548	74,466	189.02	16,548	83,071
188.51	16,548	74,631	189.03	16,548	83,236
188.52	16,548	74,797	189.04	16,548	83,402
188.53	16,548	74,962	189.05	16,548	83,567
188.54	16,548	75,128	189.06	16,548	83,733
188.55	16,548	75,293	189.07	16,548	83,898
188.56	16,548	75,459	189.08	16,548	84,064
188.57	16,548	75,624	189.09	16,548	84,229
188.58	16,548	75,790	189.10	16,548	84,395
188.59	16,548	75,955	189.11	16,548	84,560
188.60	16,548	76,121	189.12	16,548	84,726
188.61	16,548	76,286	189.13	16,548	84,891
188.62	16,548	76,452	189.14	16,548	85,057
188.63	16,548	76,617	189.15	16,548	85,222
188.64	16,548	76,783	189.16	16,548	85,388
188.65	16,548	76,948	189.17	16,548	85,553
188.66	16,548	77,114	189.18	16,548	85,719
188.67	16,548	77,279	189.19	16,548	85,884

Stage-Area-Storage for Pond B-51: Basin #51 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
189.20	16,548	86,050
189.21	16,548	86,215
189.22	16,548	86,381
189.23	16,548	86,546
189.24	16,548	86,712
189.25	16,548	86,877
189.26	16,548	87,042
189.27	16,548	87,208
189.28	16,548	87,373
189.29	16,548	87,539
189.30	16,548	87,704
189.31	16,548	87,870
189.32	16,548	88,035
189.33	16,548	88,201
189.34	16,548	88,366
189.35	16,548	88,532
189.36	16,548	88,697
189.37	16,548	88,863
189.38	16,548	89,028
189.39	16,548	89,194
189.40	16,548	89,359
189.41	16,548	89,525
189.42	16,548	89,690
189.43	16,548	89,856
189.44	16,548	90,021
189.45	16,548	90,187
189.46	16,548	90,352
189.47	16,548	90,518
189.48	16,548	90,683
189.49	16,548	90,849
189.50	16,548	91,014
189.51	16,548	91,179
189.52	16,548	91,345
189.53	16,548	91,510
189.54	16,548	91,676
189.55	16,548	91,841
189.56	16,548	92,007
189.57	16,548	92,172
189.58	16,548	92,338
189.59	16,548	92,503
189.60	16,548	92,669
189.61	16,548	92,834
189.62	16,548	93,000
189.63	16,548	93,165
189.64	16,548	93,331
189.65	16,548	93,496
189.66	16,548	93,662
189.67	16,548	93,827
189.68	16,548	93,993
189.69	16,548	94,158
189.70	16,548	94,324
189.71	16,548	94,489
189.72	16,548	94,655
189.73	16,548	94,820
189.74	16,548	94,986
189.75	16,548	95,151
189.76	16,548	95,316
189.77	16,548	95,482
189.78	16,548	95,647
189.79	16,548	95,813
189.80	16,548	95,978
189.81	16,548	96,144
189.82	16,548	96,309
189.83	16,548	96,475
189.84	16,548	96,640
189.85	16,548	96,806
189.86	16,548	96,971
189.87	16,548	97,137
189.88	16,548	97,302
189.89	16,548	97,468
189.90	16,548	97,633
189.91	16,548	97,799
189.92	16,548	97,964
189.93	16,548	98,130
189.94	16,548	98,295
189.95	16,548	98,461
189.96	16,548	98,626
189.97	16,548	98,792
189.98	16,548	98,957
189.99	16,548	99,123
190.00	16,548	**99,288**

Summary for Pond B-52: Basin #52

Inflow Area = 1.423 ac, 34.43% Impervious, Inflow Depth = 6.31" for Current 100 yr event
Inflow = 8.01 cfs @ 12.09 hrs, Volume= 0.749 af
Outflow = 7.05 cfs @ 12.14 hrs, Volume= 0.700 af, Atten= 12%, Lag= 3.2 min
Primary = 7.05 cfs @ 12.14 hrs, Volume= 0.700 af
Routed to Pond B-51 : Basin #51

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 197.01' @ 12.14 hrs Surf.Area= 2,808 sf Storage= 6,299 cf

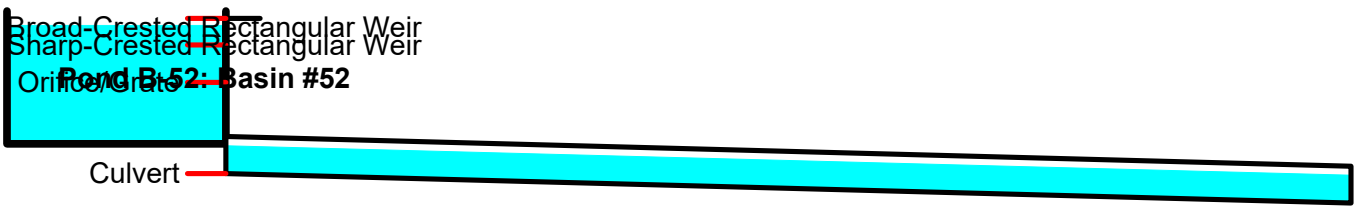
Plug-Flow detention time= 142.6 min calculated for 0.700 af (94% of inflow)
Center-of-Mass det. time= 106.1 min (890.9 - 784.8)

Volume	Invert	Avail.Storage	Storage Description
#1	193.00'	7,751 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

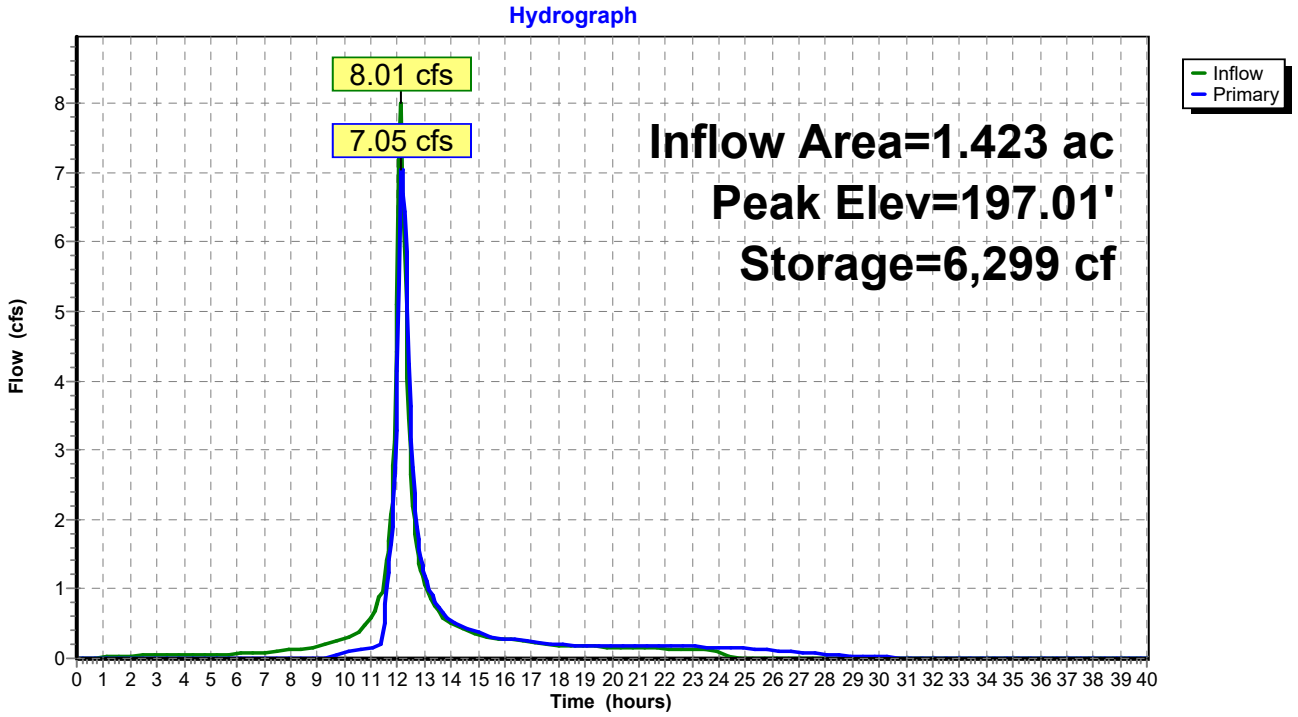
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
193.00	474	0	0
194.00	970	722	722
195.00	1,523	1,247	1,969
196.00	2,133	1,828	3,797
197.00	2,799	2,466	6,263
197.50	3,154	1,488	7,751

Device	Routing	Invert	Outlet Devices
#1	Primary	192.00'	**15.0" Round Culvert** L= 163.0' Ke= 0.500 Inlet / Outlet Invert= 192.00' / 191.00' S= 0.0061 '/' Cc= 0.900 n= 0.013, Flow Area= 1.23 sf
#2	Device 1	195.08'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	196.35'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	197.25'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=7.02 cfs @ 12.14 hrs HW=197.01' (Free Discharge)
- **1=Culvert** (Passes 7.02 cfs of 9.33 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.22 cfs @ 6.51 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 6.79 cfs @ 2.66 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-52: Basin #52



Hydrograph for Pond B-52: Basin #52

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	193.00	0.00
0.10	0.00	0	193.00	0.00
0.20	0.00	0	193.00	0.00
0.30	0.00	0	193.00	0.00
0.40	0.00	0	193.00	0.00
0.50	0.00	0	193.00	0.00
0.60	0.00	1	193.00	0.00
0.70	0.01	4	193.01	0.00
0.80	0.01	7	193.01	0.00
0.90	0.01	12	193.02	0.00
1.00	0.02	17	193.04	0.00
1.10	0.02	23	193.05	0.00
1.20	0.02	30	193.06	0.00
1.30	0.02	38	193.08	0.00
1.40	0.02	47	193.09	0.00
1.50	0.03	56	193.11	0.00
1.60	0.03	66	193.13	0.00
1.70	0.03	76	193.15	0.00
1.80	0.03	87	193.17	0.00
1.90	0.03	98	193.19	0.00
2.00	0.03	110	193.21	0.00
2.10	0.03	123	193.23	0.00
2.20	0.04	135	193.25	0.00
2.30	0.04	149	193.27	0.00
2.40	0.04	162	193.30	0.00
2.50	0.04	176	193.32	0.00
2.60	0.04	190	193.34	0.00
2.70	0.04	205	193.36	0.00
2.80	0.04	220	193.39	0.00
2.90	0.04	235	193.41	0.00
3.00	0.04	251	193.43	0.00
3.10	0.04	267	193.45	0.00
3.20	0.05	283	193.48	0.00
3.30	0.05	300	193.50	0.00
3.40	0.05	317	193.52	0.00
3.50	0.05	334	193.55	0.00
3.60	0.05	351	193.57	0.00
3.70	0.05	369	193.59	0.00
3.80	0.05	387	193.62	0.00
3.90	0.05	405	193.64	0.00
4.00	0.05	423	193.66	0.00
4.10	0.05	442	193.69	0.00
4.20	0.05	461	193.71	0.00
4.30	0.05	480	193.73	0.00
4.40	0.05	499	193.76	0.00
4.50	0.05	519	193.78	0.00
4.60	0.06	539	193.80	0.00
4.70	0.06	559	193.82	0.00
4.80	0.06	579	193.85	0.00
4.90	0.06	600	193.87	0.00
5.00	0.06	620	193.89	0.00
5.10	0.06	641	193.91	0.00

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.06	662	193.94	0.00
5.30	0.06	683	193.96	0.00
5.40	0.06	705	193.98	0.00
5.50	0.06	727	194.00	0.00
5.60	0.06	748	194.03	0.00
5.70	0.06	771	194.05	0.00
5.80	0.06	793	194.07	0.00
5.90	0.06	815	194.09	0.00
6.00	0.06	838	194.12	0.00
6.10	0.06	861	194.14	0.00
6.20	0.07	885	194.16	0.00
6.30	0.07	909	194.18	0.00
6.40	0.07	934	194.21	0.00
6.50	0.07	960	194.23	0.00
6.60	0.08	987	194.25	0.00
6.70	0.08	1,015	194.28	0.00
6.80	0.08	1,043	194.30	0.00
6.90	0.08	1,073	194.33	0.00
7.00	0.09	1,105	194.36	0.00
7.10	0.09	1,137	194.39	0.00
7.20	0.09	1,170	194.41	0.00
7.30	0.10	1,205	194.44	0.00
7.40	0.10	1,241	194.47	0.00
7.50	0.10	1,278	194.50	0.00
7.60	0.11	1,316	194.53	0.00
7.70	0.11	1,356	194.56	0.00
7.80	0.12	1,397	194.59	0.00
7.90	0.12	1,439	194.63	0.00
8.00	0.12	1,483	194.66	0.00
8.10	0.13	1,528	194.69	0.00
8.20	0.13	1,574	194.73	0.00
8.30	0.13	1,622	194.76	0.00
8.40	0.14	1,671	194.80	0.00
8.50	0.14	1,722	194.83	0.00
8.60	0.15	1,774	194.87	0.00
8.70	0.15	1,828	194.91	0.00
8.80	0.16	1,884	194.94	0.00
8.90	0.16	1,940	194.98	0.00
9.00	0.16	1,999	195.02	0.00
9.10	0.17	2,060	195.06	0.00
9.20	0.18	2,125	195.10	0.00
9.30	0.20	2,192	195.14	0.01
9.40	0.21	2,260	195.18	0.02
9.50	0.22	2,327	195.23	0.03
9.60	0.23	2,394	195.27	0.05
9.70	0.24	2,461	195.30	0.06
9.80	0.26	2,529	195.34	0.07
9.90	0.27	2,599	195.38	0.07
10.00	0.28	2,672	195.43	0.08
10.10	0.30	2,746	195.47	0.09
10.20	0.31	2,823	195.51	0.09
10.30	0.33	2,904	195.55	0.10

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.34	2,987	195.60	0.11
10.50	0.36	3,074	195.64	0.11
10.60	0.39	3,169	195.69	0.12
10.70	0.43	3,275	195.75	0.12
10.80	0.48	3,395	195.81	0.13
10.90	0.53	3,530	195.87	0.14
11.00	0.58	3,681	195.95	0.14
11.10	0.66	3,853	196.03	0.15
11.20	0.74	4,053	196.12	0.16
11.30	0.84	4,282	196.22	0.17
11.40	0.94	4,543	196.33	0.18
11.50	1.06	4,788	196.44	0.51
11.60	1.42	4,974	196.51	1.03
11.70	1.69	5,090	196.56	1.42
11.80	2.24	5,219	196.61	1.90
11.90	3.14	5,396	196.68	2.62
12.00	5.10	5,733	196.81	4.15
12.10	**7.96**	**6,259**	**197.00**	**6.84**
12.20	6.65	**6,232**	**196.99**	**6.69**
12.30	5.09	6,072	196.93	5.85
12.40	3.47	5,755	196.81	4.26
12.50	2.65	5,521	196.73	3.17
12.60	2.00	5,340	196.66	2.39
12.70	1.62	5,220	196.61	1.90
12.80	1.37	5,130	196.57	1.57
12.90	1.22	5,069	196.55	1.35
13.00	1.09	5,024	196.53	1.20
13.10	0.97	4,985	196.52	1.07
13.20	0.88	4,952	196.50	0.96
13.30	0.81	4,923	196.49	0.88
13.40	0.74	4,897	196.48	0.80
13.50	0.68	4,874	196.47	0.73
13.60	0.62	4,852	196.46	0.67
13.70	0.57	4,832	196.45	0.62
13.80	0.54	4,816	196.45	0.58
13.90	0.52	4,804	196.44	0.55
14.00	0.51	4,794	196.44	0.53
14.10	0.49	4,786	196.43	0.51
14.20	0.47	4,779	196.43	0.49
14.30	0.46	4,772	196.43	0.48
14.40	0.44	4,766	196.43	0.46
14.50	0.43	4,759	196.42	0.44
14.60	0.41	4,752	196.42	0.43
14.70	0.39	4,745	196.42	0.41
14.80	0.38	4,737	196.41	0.40
14.90	0.36	4,728	196.41	0.38
15.00	0.34	4,719	196.41	0.37
15.10	0.33	4,710	196.40	0.35
15.20	0.32	4,702	196.40	0.34
15.30	0.31	4,696	196.40	0.32
15.40	0.30	4,691	196.39	0.32
15.50	0.30	4,687	196.39	0.31

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.29	4,683	196.39	0.30
15.70	0.29	4,680	196.39	0.30
15.80	0.29	4,678	196.39	0.29
15.90	0.28	4,675	196.39	0.29
16.00	0.28	4,673	196.39	0.28
16.10	0.27	4,670	196.39	0.28
16.20	0.27	4,668	196.39	0.27
16.30	0.26	4,665	196.38	0.27
16.40	0.26	4,663	196.38	0.27
16.50	0.25	4,660	196.38	0.26
16.60	0.25	4,658	196.38	0.26
16.70	0.25	4,656	196.38	0.25
16.80	0.24	4,653	196.38	0.25
16.90	0.24	4,651	196.38	0.24
17.00	0.23	4,648	196.38	0.24
17.10	0.23	4,646	196.38	0.24
17.20	0.22	4,643	196.38	0.23
17.30	0.22	4,641	196.37	0.23
17.40	0.22	4,637	196.37	0.23
17.50	0.21	4,633	196.37	0.22
17.60	0.21	4,629	196.37	0.22
17.70	0.20	4,625	196.37	0.21
17.80	0.20	4,621	196.37	0.21
17.90	0.19	4,616	196.36	0.21
18.00	0.19	4,611	196.36	0.20
18.10	0.18	4,607	196.36	0.20
18.20	0.18	4,602	196.36	0.19
18.30	0.18	4,598	196.36	0.19
18.40	0.18	4,595	196.35	0.19
18.50	0.18	4,592	196.35	0.18
18.60	0.18	4,590	196.35	0.18
18.70	0.18	4,588	196.35	0.18
18.80	0.17	4,586	196.35	0.18
18.90	0.17	4,584	196.35	0.18
19.00	0.17	4,582	196.35	0.18
19.10	0.17	4,580	196.35	0.18
19.20	0.17	4,578	196.35	0.18
19.30	0.17	4,575	196.35	0.18
19.40	0.17	4,572	196.34	0.18
19.50	0.17	4,568	196.34	0.18
19.60	0.17	4,565	196.34	0.18
19.70	0.16	4,560	196.34	0.18
19.80	0.16	4,556	196.34	0.18
19.90	0.16	4,551	196.34	0.18
20.00	0.16	4,546	196.33	0.18
20.10	0.16	4,540	196.33	0.18
20.20	0.16	4,535	196.33	0.18
20.30	0.16	4,528	196.33	0.18
20.40	0.16	4,522	196.32	0.18
20.50	0.16	4,515	196.32	0.17
20.60	0.15	4,508	196.32	0.17
20.70	0.15	4,500	196.31	0.17

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.15	4,493	196.31	0.17
20.90	0.15	4,485	196.31	0.17
21.00	0.15	4,476	196.30	0.17
21.10	0.15	4,468	196.30	0.17
21.20	0.15	4,459	196.30	0.17
21.30	0.15	4,449	196.29	0.17
21.40	0.15	4,440	196.29	0.17
21.50	0.14	4,430	196.28	0.17
21.60	0.14	4,420	196.28	0.17
21.70	0.14	4,410	196.28	0.17
21.80	0.14	4,399	196.27	0.17
21.90	0.14	4,388	196.27	0.17
22.00	0.14	4,377	196.26	0.17
22.10	0.14	4,366	196.26	0.17
22.20	0.14	4,354	196.25	0.17
22.30	0.14	4,342	196.25	0.17
22.40	0.13	4,330	196.24	0.17
22.50	0.13	4,318	196.24	0.17
22.60	0.13	4,305	196.23	0.17
22.70	0.13	4,292	196.22	0.17
22.80	0.13	4,279	196.22	0.17
22.90	0.13	4,266	196.21	0.17
23.00	0.13	4,252	196.21	0.17
23.10	0.13	4,239	196.20	0.17
23.20	0.13	4,225	196.19	0.17
23.30	0.12	4,210	196.19	0.16
23.40	0.12	4,196	196.18	0.16
23.50	0.12	4,181	196.18	0.16
23.60	0.12	4,166	196.17	0.16
23.70	0.12	4,151	196.16	0.16
23.80	0.12	4,136	196.16	0.16
23.90	0.12	4,121	196.15	0.16
24.00	0.12	4,108	196.14	0.16
24.10	0.07	4,083	196.13	0.16
24.20	0.04	4,046	196.11	0.16
24.30	0.01	3,997	196.09	0.16
24.40	0.00	3,943	196.07	0.15
24.50	0.00	3,889	196.04	0.15
24.60	0.00	3,835	196.02	0.15
24.70	0.00	3,781	195.99	0.15
24.80	0.00	3,729	195.97	0.15
24.90	0.00	3,677	195.94	0.14
25.00	0.00	3,626	195.92	0.14
25.10	0.00	3,575	195.89	0.14
25.20	0.00	3,526	195.87	0.14
25.30	0.00	3,478	195.85	0.13
25.40	0.00	3,430	195.82	0.13
25.50	0.00	3,383	195.80	0.13
25.60	0.00	3,337	195.78	0.13
25.70	0.00	3,292	195.75	0.12
25.80	0.00	3,248	195.73	0.12
25.90	0.00	3,205	195.71	0.12

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	3,162	195.69	0.12
26.10	0.00	3,121	195.67	0.11
26.20	0.00	3,080	195.65	0.11
26.30	0.00	3,040	195.63	0.11
26.40	0.00	3,002	195.60	0.11
26.50	0.00	2,964	195.58	0.10
26.60	0.00	2,927	195.57	0.10
26.70	0.00	2,891	195.55	0.10
26.80	0.00	2,856	195.53	0.10
26.90	0.00	2,822	195.51	0.09
27.00	0.00	2,788	195.49	0.09
27.10	0.00	2,756	195.47	0.09
27.20	0.00	2,725	195.46	0.09
27.30	0.00	2,695	195.44	0.08
27.40	0.00	2,666	195.42	0.08
27.50	0.00	2,637	195.41	0.08
27.60	0.00	2,610	195.39	0.07
27.70	0.00	2,584	195.38	0.07
27.80	0.00	2,558	195.36	0.07
27.90	0.00	2,534	195.35	0.07
28.00	0.00	2,511	195.33	0.06
28.10	0.00	2,488	195.32	0.06
28.20	0.00	2,467	195.31	0.06
28.30	0.00	2,447	195.30	0.05
28.40	0.00	2,428	195.29	0.05
28.50	0.00	2,410	195.27	0.05
28.60	0.00	2,392	195.26	0.05
28.70	0.00	2,376	195.25	0.04
28.80	0.00	2,361	195.25	0.04
28.90	0.00	2,347	195.24	0.04
29.00	0.00	2,334	195.23	0.03
29.10	0.00	2,323	195.22	0.03
29.20	0.00	2,311	195.22	0.03
29.30	0.00	2,301	195.21	0.03
29.40	0.00	2,292	195.20	0.03
29.50	0.00	2,283	195.20	0.02
29.60	0.00	2,275	195.19	0.02
29.70	0.00	2,267	195.19	0.02
29.80	0.00	2,260	195.18	0.02
29.90	0.00	2,253	195.18	0.02
30.00	0.00	2,247	195.18	0.02
30.10	0.00	2,241	195.17	0.02
30.20	0.00	2,236	195.17	0.01
30.30	0.00	2,231	195.17	0.01
30.40	0.00	2,226	195.16	0.01
30.50	0.00	2,221	195.16	0.01
30.60	0.00	2,217	195.16	0.01
30.70	0.00	2,213	195.16	0.01
30.80	0.00	2,209	195.15	0.01
30.90	0.00	2,206	195.15	0.01
31.00	0.00	2,202	195.15	0.01
31.10	0.00	2,199	195.15	0.01

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	2,196	195.15	0.01
31.30	0.00	2,193	195.14	0.01
31.40	0.00	2,190	195.14	0.01
31.50	0.00	2,187	195.14	0.01
31.60	0.00	2,185	195.14	0.01
31.70	0.00	2,182	195.14	0.01
31.80	0.00	2,180	195.13	0.01
31.90	0.00	2,178	195.13	0.01
32.00	0.00	2,175	195.13	0.01
32.10	0.00	2,173	195.13	0.01
32.20	0.00	2,171	195.13	0.01
32.30	0.00	2,169	195.13	0.01
32.40	0.00	2,168	195.13	0.00
32.50	0.00	2,166	195.13	0.00
32.60	0.00	2,164	195.13	0.00
32.70	0.00	2,163	195.12	0.00
32.80	0.00	2,161	195.12	0.00
32.90	0.00	2,160	195.12	0.00
33.00	0.00	2,158	195.12	0.00
33.10	0.00	2,157	195.12	0.00
33.20	0.00	2,156	195.12	0.00
33.30	0.00	2,154	195.12	0.00
33.40	0.00	2,153	195.12	0.00
33.50	0.00	2,152	195.12	0.00
33.60	0.00	2,151	195.12	0.00
33.70	0.00	2,150	195.12	0.00
33.80	0.00	2,149	195.12	0.00
33.90	0.00	2,148	195.12	0.00
34.00	0.00	2,147	195.11	0.00
34.10	0.00	2,147	195.11	0.00
34.20	0.00	2,146	195.11	0.00
34.30	0.00	2,145	195.11	0.00
34.40	0.00	2,144	195.11	0.00
34.50	0.00	2,143	195.11	0.00
34.60	0.00	2,142	195.11	0.00
34.70	0.00	2,142	195.11	0.00
34.80	0.00	2,141	195.11	0.00
34.90	0.00	2,140	195.11	0.00
35.00	0.00	2,139	195.11	0.00
35.10	0.00	2,139	195.11	0.00
35.20	0.00	2,138	195.11	0.00
35.30	0.00	2,137	195.11	0.00
35.40	0.00	2,137	195.11	0.00
35.50	0.00	2,136	195.11	0.00
35.60	0.00	2,135	195.11	0.00
35.70	0.00	2,135	195.11	0.00
35.80	0.00	2,134	195.11	0.00
35.90	0.00	2,133	195.11	0.00
36.00	0.00	2,133	195.11	0.00
36.10	0.00	2,132	195.11	0.00
36.20	0.00	2,131	195.10	0.00
36.30	0.00	2,131	195.10	0.00

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	2,130	195.10	0.00
36.50	0.00	2,130	195.10	0.00
36.60	0.00	2,129	195.10	0.00
36.70	0.00	2,128	195.10	0.00
36.80	0.00	2,128	195.10	0.00
36.90	0.00	2,127	195.10	0.00
37.00	0.00	2,127	195.10	0.00
37.10	0.00	2,126	195.10	0.00
37.20	0.00	2,126	195.10	0.00
37.30	0.00	2,125	195.10	0.00
37.40	0.00	2,125	195.10	0.00
37.50	0.00	2,124	195.10	0.00
37.60	0.00	2,124	195.10	0.00
37.70	0.00	2,123	195.10	0.00
37.80	0.00	2,123	195.10	0.00
37.90	0.00	2,122	195.10	0.00
38.00	0.00	2,122	195.10	0.00
38.10	0.00	2,121	195.10	0.00
38.20	0.00	2,121	195.10	0.00
38.30	0.00	2,120	195.10	0.00
38.40	0.00	2,120	195.10	0.00
38.50	0.00	2,120	195.10	0.00
38.60	0.00	2,119	195.10	0.00
38.70	0.00	2,119	195.10	0.00
38.80	0.00	2,118	195.10	0.00
38.90	0.00	2,118	195.10	0.00
39.00	0.00	2,118	195.10	0.00
39.10	0.00	2,117	195.10	0.00
39.20	0.00	2,117	195.10	0.00
39.30	0.00	2,116	195.10	0.00
39.40	0.00	2,116	195.09	0.00
39.50	0.00	2,116	195.09	0.00
39.60	0.00	2,115	195.09	0.00
39.70	0.00	2,115	195.09	0.00
39.80	0.00	2,115	195.09	0.00
39.90	0.00	2,114	195.09	0.00
40.00	0.00	2,114	195.09	0.00

Stage-Discharge for Pond B-52: Basin #52

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
193.00	0.00	193.52	0.00	194.04	0.00	194.56	0.00
193.01	0.00	193.53	0.00	194.05	0.00	194.57	0.00
193.02	0.00	193.54	0.00	194.06	0.00	194.58	0.00
193.03	0.00	193.55	0.00	194.07	0.00	194.59	0.00
193.04	0.00	193.56	0.00	194.08	0.00	194.60	0.00
193.05	0.00	193.57	0.00	194.09	0.00	194.61	0.00
193.06	0.00	193.58	0.00	194.10	0.00	194.62	0.00
193.07	0.00	193.59	0.00	194.11	0.00	194.63	0.00
193.08	0.00	193.60	0.00	194.12	0.00	194.64	0.00
193.09	0.00	193.61	0.00	194.13	0.00	194.65	0.00
193.10	0.00	193.62	0.00	194.14	0.00	194.66	0.00
193.11	0.00	193.63	0.00	194.15	0.00	194.67	0.00
193.12	0.00	193.64	0.00	194.16	0.00	194.68	0.00
193.13	0.00	193.65	0.00	194.17	0.00	194.69	0.00
193.14	0.00	193.66	0.00	194.18	0.00	194.70	0.00
193.15	0.00	193.67	0.00	194.19	0.00	194.71	0.00
193.16	0.00	193.68	0.00	194.20	0.00	194.72	0.00
193.17	0.00	193.69	0.00	194.21	0.00	194.73	0.00
193.18	0.00	193.70	0.00	194.22	0.00	194.74	0.00
193.19	0.00	193.71	0.00	194.23	0.00	194.75	0.00
193.20	0.00	193.72	0.00	194.24	0.00	194.76	0.00
193.21	0.00	193.73	0.00	194.25	0.00	194.77	0.00
193.22	0.00	193.74	0.00	194.26	0.00	194.78	0.00
193.23	0.00	193.75	0.00	194.27	0.00	194.79	0.00
193.24	0.00	193.76	0.00	194.28	0.00	194.80	0.00
193.25	0.00	193.77	0.00	194.29	0.00	194.81	0.00
193.26	0.00	193.78	0.00	194.30	0.00	194.82	0.00
193.27	0.00	193.79	0.00	194.31	0.00	194.83	0.00
193.28	0.00	193.80	0.00	194.32	0.00	194.84	0.00
193.29	0.00	193.81	0.00	194.33	0.00	194.85	0.00
193.30	0.00	193.82	0.00	194.34	0.00	194.86	0.00
193.31	0.00	193.83	0.00	194.35	0.00	194.87	0.00
193.32	0.00	193.84	0.00	194.36	0.00	194.88	0.00
193.33	0.00	193.85	0.00	194.37	0.00	194.89	0.00
193.34	0.00	193.86	0.00	194.38	0.00	194.90	0.00
193.35	0.00	193.87	0.00	194.39	0.00	194.91	0.00
193.36	0.00	193.88	0.00	194.40	0.00	194.92	0.00
193.37	0.00	193.89	0.00	194.41	0.00	194.93	0.00
193.38	0.00	193.90	0.00	194.42	0.00	194.94	0.00
193.39	0.00	193.91	0.00	194.43	0.00	194.95	0.00
193.40	0.00	193.92	0.00	194.44	0.00	194.96	0.00
193.41	0.00	193.93	0.00	194.45	0.00	194.97	0.00
193.42	0.00	193.94	0.00	194.46	0.00	194.98	0.00
193.43	0.00	193.95	0.00	194.47	0.00	194.99	0.00
193.44	0.00	193.96	0.00	194.48	0.00	195.00	0.00
193.45	0.00	193.97	0.00	194.49	0.00	195.01	0.00
193.46	0.00	193.98	0.00	194.50	0.00	195.02	0.00
193.47	0.00	193.99	0.00	194.51	0.00	195.03	0.00
193.48	0.00	194.00	0.00	194.52	0.00	195.04	0.00
193.49	0.00	194.01	0.00	194.53	0.00	195.05	0.00
193.50	0.00	194.02	0.00	194.54	0.00	195.06	0.00
193.51	0.00	194.03	0.00	194.55	0.00	195.07	0.00

Stage-Discharge for Pond B-52: Basin #52 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
195.08	0.00	195.60	0.11	196.12	0.16	196.64	2.21
195.09	0.00	195.61	0.11	196.13	0.16	196.65	2.32
195.10	0.00	195.62	0.11	196.14	0.16	196.66	2.42
195.11	0.00	195.63	0.11	196.15	0.16	196.67	2.53
195.12	0.00	195.64	0.11	196.16	0.16	196.68	2.64
195.13	0.00	195.65	0.11	196.17	0.16	196.69	2.75
195.14	0.01	195.66	0.11	196.18	0.16	196.70	2.86
195.15	0.01	195.67	0.11	196.19	0.16	196.71	2.98
195.16	0.01	195.68	0.12	196.20	0.17	196.72	3.09
195.17	0.01	195.69	0.12	196.21	0.17	196.73	3.21
195.18	0.02	195.70	0.12	196.22	0.17	196.74	3.33
195.19	0.02	195.71	0.12	196.23	0.17	196.75	3.45
195.20	0.02	195.72	0.12	196.24	0.17	196.76	3.57
195.21	0.03	195.73	0.12	196.25	0.17	196.77	3.69
195.22	0.03	195.74	0.12	196.26	0.17	196.78	3.82
195.23	0.03	195.75	0.12	196.27	0.17	196.79	3.94
195.24	0.04	195.76	0.12	196.28	0.17	196.80	4.07
195.25	0.04	195.77	0.13	196.29	0.17	196.81	4.20
195.26	0.05	195.78	0.13	196.30	0.17	196.82	4.33
195.27	0.05	195.79	0.13	196.31	0.17	196.83	4.46
195.28	0.05	195.80	0.13	196.32	0.17	196.84	4.59
195.29	0.05	195.81	0.13	196.33	0.18	196.85	4.72
195.30	0.06	195.82	0.13	196.34	0.18	196.86	4.85
195.31	0.06	195.83	0.13	196.35	0.18	196.87	4.99
195.32	0.06	195.84	0.13	196.36	0.19	196.88	5.13
195.33	0.06	195.85	0.13	196.37	0.22	196.89	5.26
195.34	0.06	195.86	0.13	196.38	0.25	196.90	5.40
195.35	0.07	195.87	0.14	196.39	0.28	196.91	5.54
195.36	0.07	195.88	0.14	196.40	0.33	196.92	5.68
195.37	0.07	195.89	0.14	196.41	0.37	196.93	5.83
195.38	0.07	195.90	0.14	196.42	0.42	196.94	5.97
195.39	0.07	195.91	0.14	196.43	0.48	196.95	6.11
195.40	0.08	195.92	0.14	196.44	0.54	196.96	6.26
195.41	0.08	195.93	0.14	196.45	0.60	196.97	6.41
195.42	0.08	195.94	0.14	196.46	0.66	196.98	6.55
195.43	0.08	195.95	0.14	196.47	0.73	196.99	6.70
195.44	0.08	195.96	0.14	196.48	0.80	197.00	6.85
195.45	0.08	195.97	0.15	196.49	0.87	197.01	7.00
195.46	0.09	195.98	0.15	196.50	0.94	197.02	7.16
195.47	0.09	195.99	0.15	196.51	1.02	197.03	7.31
195.48	0.09	196.00	0.15	196.52	1.10	197.04	7.46
195.49	0.09	196.01	0.15	196.53	1.18	197.05	7.62
195.50	0.09	196.02	0.15	196.54	1.26	197.06	7.77
195.51	0.09	196.03	0.15	196.55	1.35	197.07	7.93
195.52	0.10	196.04	0.15	196.56	1.44	197.08	8.09
195.53	0.10	196.05	0.15	196.57	1.53	197.09	8.24
195.54	0.10	196.06	0.15	196.58	1.62	197.10	8.40
195.55	0.10	196.07	0.15	196.59	1.71	197.11	8.56
195.56	0.10	196.08	0.16	196.60	1.81	197.12	8.73
195.57	0.10	196.09	0.16	196.61	1.91	197.13	8.89
195.58	0.10	196.10	0.16	196.62	2.01	197.14	9.05
195.59	0.10	196.11	0.16	196.63	2.11	197.15	9.22

Stage-Discharge for Pond B-52: Basin #52 (continued)

Elevation (feet)	Primary (cfs)
197.16	9.38
197.17	9.49
197.18	9.50
197.19	9.51
197.20	9.52
197.21	9.53
197.22	9.54
197.23	9.55
197.24	9.55
197.25	9.56
197.26	9.69
197.27	9.91
197.28	10.20
197.29	10.54
197.30	10.92
197.31	11.35
197.32	11.81
197.33	12.30
197.34	12.82
197.35	13.38
197.36	13.96
197.37	14.57
197.38	15.21
197.39	15.87
197.40	16.55
197.41	17.26
197.42	17.99
197.43	18.75
197.44	19.52
197.45	20.32
197.46	21.17
197.47	22.06
197.48	22.96
197.49	23.90
197.50	**24.85**

Stage-Area-Storage for Pond B-52: Basin #52

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
193.00	474	0
193.01	479	5
193.02	484	10
193.03	489	14
193.04	494	19
193.05	499	24
193.06	504	29
193.07	509	34
193.08	514	40
193.09	519	45
193.10	524	50
193.11	529	55
193.12	534	60
193.13	538	66
193.14	543	71
193.15	548	77
193.16	553	82
193.17	558	88
193.18	563	93
193.19	568	99
193.20	573	105
193.21	578	110
193.22	583	116
193.23	588	122
193.24	593	128
193.25	598	134
193.26	603	140
193.27	608	146
193.28	613	152
193.29	618	158
193.30	623	165
193.31	628	171
193.32	633	177
193.33	638	183
193.34	643	190
193.35	648	196
193.36	653	203
193.37	658	209
193.38	662	216
193.39	667	223
193.40	672	229
193.41	677	236
193.42	682	243
193.43	687	250
193.44	692	257
193.45	697	264
193.46	702	271
193.47	707	278
193.48	712	285
193.49	717	292
193.50	722	299
193.51	727	306
193.52	732	314
193.53	737	321
193.54	742	328
193.55	747	336
193.56	752	343
193.57	757	351
193.58	762	358
193.59	767	366
193.60	772	374
193.61	777	381
193.62	782	389
193.63	786	397
193.64	791	405
193.65	796	413
193.66	801	421
193.67	806	429
193.68	811	437
193.69	816	445
193.70	821	453
193.71	826	462
193.72	831	470
193.73	836	478
193.74	841	487
193.75	846	495
193.76	851	503
193.77	856	512
193.78	861	521
193.79	866	529
193.80	871	538
193.81	876	547
193.82	881	555
193.83	886	564
193.84	891	573
193.85	896	582
193.86	901	591
193.87	906	600
193.88	910	609
193.89	915	618
193.90	920	627
193.91	925	637
193.92	930	646
193.93	935	655
193.94	940	665
193.95	945	674
193.96	950	684
193.97	955	693
193.98	960	703
193.99	965	712
194.00	970	722
194.01	976	732
194.02	981	742
194.03	987	751

Stage-Area-Storage for Pond B-52: Basin #52 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
194.04	992	761	194.56	1,280	1,352
194.05	998	771	194.57	1,285	1,365
194.06	1,003	781	194.58	1,291	1,378
194.07	1,009	791	194.59	1,296	1,391
194.08	1,014	801	194.60	1,302	1,404
194.09	1,020	812	194.61	1,307	1,417
194.10	1,025	822	194.62	1,313	1,430
194.11	1,031	832	194.63	1,318	1,443
194.12	1,036	842	194.64	1,324	1,456
194.13	1,042	853	194.65	1,329	1,469
194.14	1,047	863	194.66	1,335	1,483
194.15	1,053	874	194.67	1,341	1,496
194.16	1,058	884	194.68	1,346	1,509
194.17	1,064	895	194.69	1,352	1,523
194.18	1,070	906	194.70	1,357	1,536
194.19	1,075	916	194.71	1,363	1,550
194.20	1,081	927	194.72	1,368	1,564
194.21	1,086	938	194.73	1,374	1,577
194.22	1,092	949	194.74	1,379	1,591
194.23	1,097	960	194.75	1,385	1,605
194.24	1,103	971	194.76	1,390	1,619
194.25	1,108	982	194.77	1,396	1,633
194.26	1,114	993	194.78	1,401	1,647
194.27	1,119	1,004	194.79	1,407	1,661
194.28	1,125	1,015	194.80	1,412	1,675
194.29	1,130	1,027	194.81	1,418	1,689
194.30	1,136	1,038	194.82	1,423	1,703
194.31	1,141	1,049	194.83	1,429	1,718
194.32	1,147	1,061	194.84	1,435	1,732
194.33	1,152	1,072	194.85	1,440	1,746
194.34	1,158	1,084	194.86	1,446	1,761
194.35	1,164	1,095	194.87	1,451	1,775
194.36	1,169	1,107	194.88	1,457	1,790
194.37	1,175	1,119	194.89	1,462	1,804
194.38	1,180	1,131	194.90	1,468	1,819
194.39	1,186	1,142	194.91	1,473	1,834
194.40	1,191	1,154	194.92	1,479	1,848
194.41	1,197	1,166	194.93	1,484	1,863
194.42	1,202	1,178	194.94	1,490	1,878
194.43	1,208	1,190	194.95	1,495	1,893
194.44	1,213	1,202	194.96	1,501	1,908
194.45	1,219	1,214	194.97	1,506	1,923
194.46	1,224	1,227	194.98	1,512	1,938
194.47	1,230	1,239	194.99	1,517	1,953
194.48	1,235	1,251	195.00	1,523	1,969
194.49	1,241	1,264	195.01	1,529	1,984
194.50	1,247	1,276	195.02	1,535	1,999
194.51	1,252	1,289	195.03	1,541	2,014
194.52	1,258	1,301	195.04	1,547	2,030
194.53	1,263	1,314	195.05	1,554	2,045
194.54	1,269	1,326	195.06	1,560	2,061
194.55	1,274	1,339	195.07	1,566	2,077

Stage-Area-Storage for Pond B-52: Basin #52 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
195.08	1,572	2,092	195.60	1,889	2,992
195.09	1,578	2,108	195.61	1,895	3,011
195.10	1,584	2,124	195.62	1,901	3,030
195.11	1,590	2,140	195.63	1,907	3,049
195.12	1,596	2,156	195.64	1,913	3,068
195.13	1,602	2,172	195.65	1,920	3,087
195.14	1,608	2,188	195.66	1,926	3,107
195.15	1,615	2,204	195.67	1,932	3,126
195.16	1,621	2,220	195.68	1,938	3,145
195.17	1,627	2,236	195.69	1,944	3,165
195.18	1,633	2,253	195.70	1,950	3,184
195.19	1,639	2,269	195.71	1,956	3,204
195.20	1,645	2,285	195.72	1,962	3,223
195.21	1,651	2,302	195.73	1,968	3,243
195.22	1,657	2,318	195.74	1,974	3,263
195.23	1,663	2,335	195.75	1,981	3,282
195.24	1,669	2,352	195.76	1,987	3,302
195.25	1,676	2,368	195.77	1,993	3,322
195.26	1,682	2,385	195.78	1,999	3,342
195.27	1,688	2,402	195.79	2,005	3,362
195.28	1,694	2,419	195.80	2,011	3,382
195.29	1,700	2,436	195.81	2,017	3,402
195.30	1,706	2,453	195.82	2,023	3,422
195.31	1,712	2,470	195.83	2,029	3,443
195.32	1,718	2,487	195.84	2,035	3,463
195.33	1,724	2,504	195.85	2,041	3,483
195.34	1,730	2,522	195.86	2,048	3,504
195.35	1,736	2,539	195.87	2,054	3,524
195.36	1,743	2,556	195.88	2,060	3,545
195.37	1,749	2,574	195.89	2,066	3,566
195.38	1,755	2,591	195.90	2,072	3,586
195.39	1,761	2,609	195.91	2,078	3,607
195.40	1,767	2,627	195.92	2,084	3,628
195.41	1,773	2,644	195.93	2,090	3,649
195.42	1,779	2,662	195.94	2,096	3,670
195.43	1,785	2,680	195.95	2,102	3,691
195.44	1,791	2,698	195.96	2,109	3,712
195.45	1,797	2,716	195.97	2,115	3,733
195.46	1,804	2,734	195.98	2,121	3,754
195.47	1,810	2,752	195.99	2,127	3,775
195.48	1,816	2,770	196.00	2,133	3,797
195.49	1,822	2,788	196.01	2,140	3,818
195.50	1,828	2,806	196.02	2,146	3,839
195.51	1,834	2,825	196.03	2,153	3,861
195.52	1,840	2,843	196.04	2,160	3,882
195.53	1,846	2,861	196.05	2,166	3,904
195.54	1,852	2,880	196.06	2,173	3,926
195.55	1,859	2,898	196.07	2,180	3,947
195.56	1,865	2,917	196.08	2,186	3,969
195.57	1,871	2,936	196.09	2,193	3,991
195.58	1,877	2,954	196.10	2,200	4,013
195.59	1,883	2,973	196.11	2,206	4,035

Stage-Area-Storage for Pond B-52: Basin #52 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
196.12	2,213	4,057	196.64	2,559	5,298
196.13	2,220	4,079	196.65	2,566	5,324
196.14	2,226	4,102	196.66	2,573	5,349
196.15	2,233	4,124	196.67	2,579	5,375
196.16	2,240	4,146	196.68	2,586	5,401
196.17	2,246	4,169	196.69	2,593	5,427
196.18	2,253	4,191	196.70	2,599	5,453
196.19	2,260	4,214	196.71	2,606	5,479
196.20	2,266	4,236	196.72	2,613	5,505
196.21	2,273	4,259	196.73	2,619	5,531
196.22	2,280	4,282	196.74	2,626	5,557
196.23	2,286	4,305	196.75	2,633	5,584
196.24	2,293	4,328	196.76	2,639	5,610
196.25	2,300	4,351	196.77	2,646	5,636
196.26	2,306	4,374	196.78	2,652	5,663
196.27	2,313	4,397	196.79	2,659	5,689
196.28	2,319	4,420	196.80	2,666	5,716
196.29	2,326	4,443	196.81	2,672	5,743
196.30	2,333	4,466	196.82	2,679	5,769
196.31	2,339	4,490	196.83	2,686	5,796
196.32	2,346	4,513	196.84	2,692	5,823
196.33	2,353	4,537	196.85	2,699	5,850
196.34	2,359	4,560	196.86	2,706	5,877
196.35	2,366	4,584	196.87	2,712	5,904
196.36	2,373	4,608	196.88	2,719	5,931
196.37	2,379	4,631	196.89	2,726	5,959
196.38	2,386	4,655	196.90	2,732	5,986
196.39	2,393	4,679	196.91	2,739	6,013
196.40	2,399	4,703	196.92	2,746	6,041
196.41	2,406	4,727	196.93	2,752	6,068
196.42	2,413	4,751	196.94	2,759	6,096
196.43	2,419	4,775	196.95	2,766	6,123
196.44	2,426	4,799	196.96	2,772	6,151
196.45	2,433	4,824	196.97	2,779	6,179
196.46	2,439	4,848	196.98	2,786	6,207
196.47	2,446	4,873	196.99	2,792	6,235
196.48	2,453	4,897	197.00	2,799	6,263
196.49	2,459	4,922	197.01	2,806	6,291
196.50	2,466	4,946	197.02	2,813	6,319
196.51	2,473	4,971	197.03	2,820	6,347
196.52	2,479	4,996	197.04	2,827	6,375
196.53	2,486	5,021	197.05	2,835	6,403
196.54	2,493	5,045	197.06	2,842	6,432
196.55	2,499	5,070	197.07	2,849	6,460
196.56	2,506	5,095	197.08	2,856	6,489
196.57	2,513	5,121	197.09	2,863	6,517
196.58	2,519	5,146	197.10	2,870	6,546
196.59	2,526	5,171	197.11	2,877	6,575
196.60	2,533	5,196	197.12	2,884	6,603
196.61	2,539	5,222	197.13	2,891	6,632
196.62	2,546	5,247	197.14	2,898	6,661
196.63	2,553	5,272	197.15	2,906	6,690

Stage-Area-Storage for Pond B-52: Basin #52 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
197.16	2,913	6,719
197.17	2,920	6,749
197.18	2,927	6,778
197.19	2,934	6,807
197.20	2,941	6,836
197.21	2,948	6,866
197.22	2,955	6,895
197.23	2,962	6,925
197.24	2,969	6,955
197.25	2,977	6,984
197.26	2,984	7,014
197.27	2,991	7,044
197.28	2,998	7,074
197.29	3,005	7,104
197.30	3,012	7,134
197.31	3,019	7,164
197.32	3,026	7,195
197.33	3,033	7,225
197.34	3,040	7,255
197.35	3,047	7,286
197.36	3,055	7,316
197.37	3,062	7,347
197.38	3,069	7,377
197.39	3,076	7,408
197.40	3,083	7,439
197.41	3,090	7,470
197.42	3,097	7,501
197.43	3,104	7,532
197.44	3,111	7,563
197.45	3,118	7,594
197.46	3,126	7,625
197.47	3,133	7,656
197.48	3,140	7,688
197.49	3,147	7,719
197.50	**3,154**	**7,751**

Summary for Pond B-53: Basin #53

Inflow Area = 2.540 ac, 47.80% Impervious, Inflow Depth = 6.70" for Current 100 yr event
Inflow = 21.22 cfs @ 12.09 hrs, Volume= 1.418 af
Outflow = 10.85 cfs @ 12.19 hrs, Volume= 1.305 af, Atten= 49%, Lag= 5.9 min
Primary = 10.85 cfs @ 12.19 hrs, Volume= 1.305 af
Routed to Pond B-51 : Basin #51

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 203.66' @ 12.19 hrs Surf.Area= 4,749 sf Storage= 17,386 cf

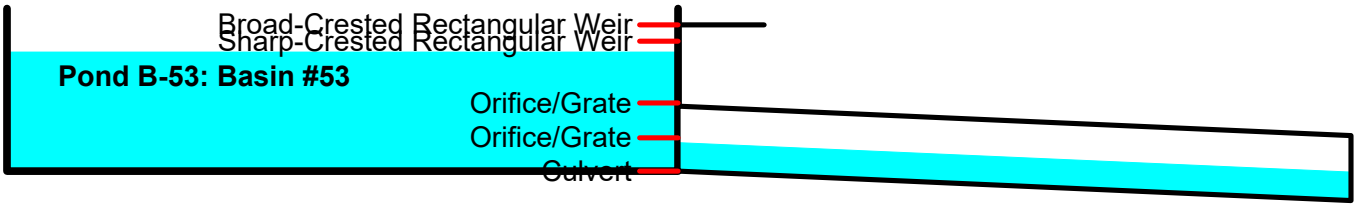
Plug-Flow detention time= 104.7 min calculated for 1.304 af (92% of inflow)
Center-of-Mass det. time= 61.9 min (832.4 - 770.5)

Volume	Invert	Avail.Storage	Storage Description
#1	200.00'	23,745 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

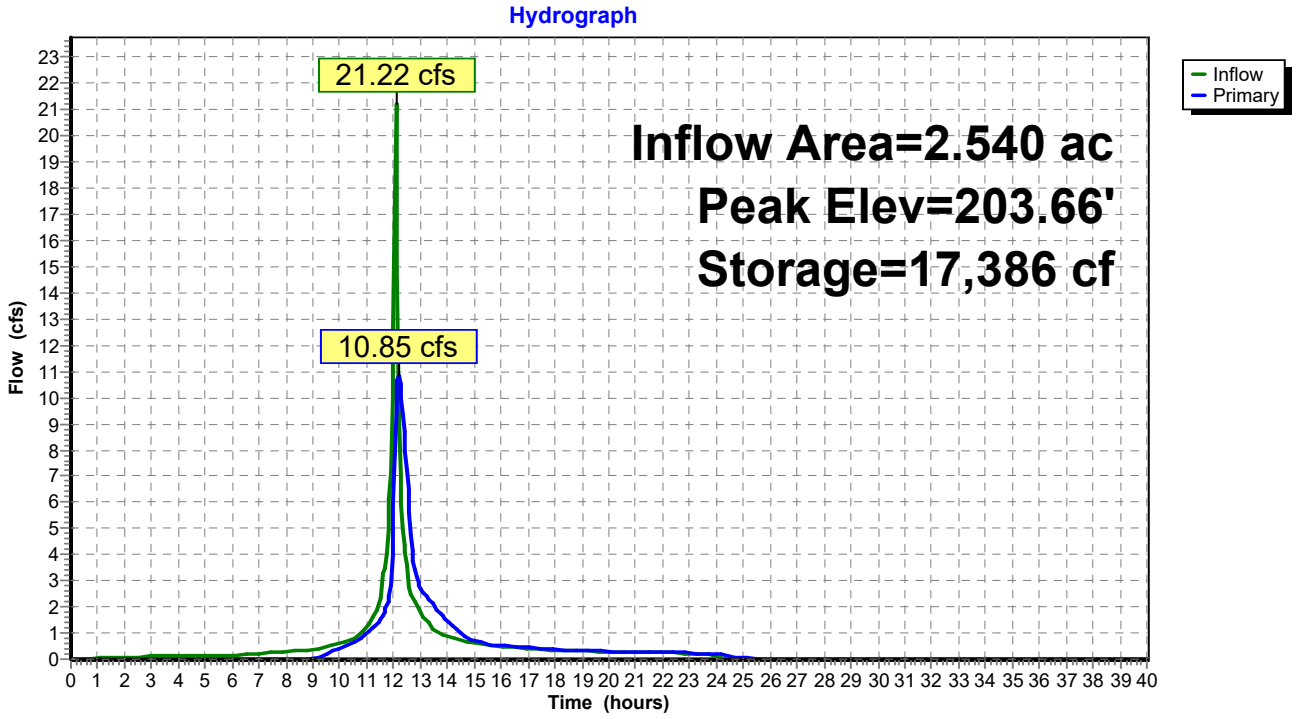
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
200.00	4,749	0	0
201.00	4,749	4,749	4,749
202.00	4,749	4,749	9,498
203.00	4,749	4,749	14,247
204.00	4,749	4,749	18,996
205.00	4,749	4,749	23,745

Device	Routing	Invert	Outlet Devices
#1	Primary	200.00'	**24.0" Round Culvert** L= 39.0' Ke= 0.500 Inlet / Outlet Invert= 200.00' / 199.10' S= 0.0231 '/' Cc= 0.900 n= 0.013, Flow Area= 3.14 sf
#2	Device 1	201.03'	**20.0" W x 4.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	202.10'	**29.0" W x 6.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Device 1	204.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#5	Primary	204.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=10.82 cfs @ 12.19 hrs HW=203.65' (Free Discharge)
- **1=Culvert** (Passes 10.82 cfs of 24.63 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 4.19 cfs @ 7.54 fps)
  - **3=Orifice/Grate** (Orifice Controls 6.63 cfs @ 5.48 fps)
  - **4=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **5=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-53: Basin #53



Hydrograph for Pond B-53: Basin #53

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	200.00	0.00
0.10	0.00	0	200.00	0.00
0.20	0.00	0	200.00	0.00
0.30	0.00	0	200.00	0.00
0.40	0.00	0	200.00	0.00
0.50	0.00	0	200.00	0.00
0.60	0.01	2	200.00	0.00
0.70	0.02	6	200.00	0.00
0.80	0.02	14	200.00	0.00
0.90	0.03	24	200.00	0.00
1.00	0.04	36	200.01	0.00
1.10	0.04	51	200.01	0.00
1.20	0.05	67	200.01	0.00
1.30	0.05	86	200.02	0.00
1.40	0.06	106	200.02	0.00
1.50	0.06	128	200.03	0.00
1.60	0.07	152	200.03	0.00
1.70	0.07	177	200.04	0.00
1.80	0.07	203	200.04	0.00
1.90	0.08	231	200.05	0.00
2.00	0.08	259	200.05	0.00
2.10	0.08	289	200.06	0.00
2.20	0.09	320	200.07	0.00
2.30	0.09	353	200.07	0.00
2.40	0.09	386	200.08	0.00
2.50	0.10	420	200.09	0.00
2.60	0.10	455	200.10	0.00
2.70	0.10	491	200.10	0.00
2.80	0.10	528	200.11	0.00
2.90	0.11	566	200.12	0.00
3.00	0.11	604	200.13	0.00
3.10	0.11	643	200.14	0.00
3.20	0.11	683	200.14	0.00
3.30	0.11	724	200.15	0.00
3.40	0.12	765	200.16	0.00
3.50	0.12	807	200.17	0.00
3.60	0.12	850	200.18	0.00
3.70	0.12	894	200.19	0.00
3.80	0.12	938	200.20	0.00
3.90	0.13	982	200.21	0.00
4.00	0.13	1,028	200.22	0.00
4.10	0.13	1,074	200.23	0.00
4.20	0.13	1,120	200.24	0.00
4.30	0.13	1,167	200.25	0.00
4.40	0.13	1,215	200.26	0.00
4.50	0.13	1,263	200.27	0.00
4.60	0.14	1,312	200.28	0.00
4.70	0.14	1,362	200.29	0.00
4.80	0.14	1,411	200.30	0.00
4.90	0.14	1,462	200.31	0.00
5.00	0.14	1,513	200.32	0.00
5.10	0.14	1,564	200.33	0.00

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.15	1,616	200.34	0.00
5.30	0.15	1,669	200.35	0.00
5.40	0.15	1,722	200.36	0.00
5.50	0.15	1,775	200.37	0.00
5.60	0.15	1,829	200.39	0.00
5.70	0.15	1,884	200.40	0.00
5.80	0.15	1,939	200.41	0.00
5.90	0.15	1,994	200.42	0.00
6.00	0.16	2,050	200.43	0.00
6.10	0.16	2,107	200.44	0.00
6.20	0.16	2,165	200.46	0.00
6.30	0.17	2,225	200.47	0.00
6.40	0.17	2,286	200.48	0.00
6.50	0.18	2,350	200.49	0.00
6.60	0.19	2,416	200.51	0.00
6.70	0.19	2,484	200.52	0.00
6.80	0.20	2,555	200.54	0.00
6.90	0.21	2,627	200.55	0.00
7.00	0.21	2,702	200.57	0.00
7.10	0.22	2,780	200.59	0.00
7.20	0.23	2,860	200.60	0.00
7.30	0.23	2,942	200.62	0.00
7.40	0.24	3,026	200.64	0.00
7.50	0.25	3,114	200.66	0.00
7.60	0.25	3,203	200.67	0.00
7.70	0.26	3,295	200.69	0.00
7.80	0.27	3,390	200.71	0.00
7.90	0.27	3,487	200.73	0.00
8.00	0.28	3,587	200.76	0.00
8.10	0.29	3,690	200.78	0.00
8.20	0.30	3,795	200.80	0.00
8.30	0.30	3,903	200.82	0.00
8.40	0.31	4,014	200.85	0.00
8.50	0.32	4,127	200.87	0.00
8.60	0.33	4,244	200.89	0.00
8.70	0.34	4,363	200.92	0.00
8.80	0.34	4,485	200.94	0.00
8.90	0.35	4,610	200.97	0.00
9.00	0.36	4,737	201.00	0.00
9.10	0.38	4,870	201.03	0.00
9.20	0.40	5,008	201.05	0.02
9.30	0.43	5,140	201.08	0.07
9.40	0.45	5,265	201.11	0.12
9.50	0.47	5,377	201.13	0.18
9.60	0.50	5,478	201.15	0.23
9.70	0.52	5,568	201.17	0.29
9.80	0.55	5,647	201.19	0.34
9.90	0.58	5,718	201.20	0.39
10.00	0.60	5,782	201.22	0.44
10.10	0.63	5,838	201.23	0.48
10.20	0.66	5,890	201.24	0.52
10.30	0.68	5,939	201.25	0.55

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.71	5,984	201.26	0.59
10.50	0.74	6,026	201.27	0.63
10.60	0.83	6,076	201.28	0.67
10.70	0.92	6,141	201.29	0.72
10.80	1.02	6,218	201.31	0.79
10.90	1.12	6,304	201.33	0.87
11.00	1.22	6,397	201.35	0.96
11.10	1.39	6,508	201.37	1.05
11.20	1.58	6,647	201.40	1.17
11.30	1.78	6,815	201.44	1.27
11.40	1.98	7,012	201.48	1.39
11.50	2.16	7,234	201.52	1.51
11.60	3.27	7,640	201.61	1.70
11.70	3.64	8,231	201.73	1.95
11.80	4.98	9,034	201.90	2.24
11.90	7.11	10,328	202.17	2.81
12.00	12.46	12,374	202.61	5.95
12.10	**21.14**	15,730	203.31	9.58
12.20	9.22	**17,376**	**203.66**	**10.84**
12.30	5.94	16,240	203.42	9.99
12.40	4.34	14,693	203.09	8.68
12.50	4.00	13,317	202.80	7.26
12.60	2.72	12,182	202.57	5.59
12.70	2.44	11,369	202.39	4.16
12.80	2.24	10,854	202.29	3.41
12.90	2.03	10,477	202.21	2.95
13.00	1.81	10,156	202.14	2.66
13.10	1.60	9,843	202.07	2.50
13.20	1.48	9,514	202.00	2.40
13.30	1.37	9,181	201.93	2.29
13.40	1.25	8,846	201.86	2.18
13.50	1.14	8,513	201.79	2.06
13.60	1.03	8,182	201.72	1.93
13.70	0.99	7,871	201.66	1.81
13.80	0.96	7,593	201.60	1.68
13.90	0.93	7,347	201.55	1.57
14.00	0.90	7,131	201.50	1.46
14.10	0.87	6,943	201.46	1.35
14.20	0.84	6,782	201.43	1.25
14.30	0.81	6,644	201.40	1.16
14.40	0.78	6,528	201.37	1.07
14.50	0.75	6,434	201.35	0.99
14.60	0.72	6,355	201.34	0.92
14.70	0.69	6,289	201.32	0.86
14.80	0.66	6,233	201.31	0.80
14.90	0.63	6,183	201.30	0.76
15.00	0.60	6,138	201.29	0.72
15.10	0.57	6,095	201.28	0.68
15.20	0.56	6,057	201.28	0.65
15.30	0.55	6,027	201.27	0.63
15.40	0.54	6,002	201.26	0.61
15.50	0.54	5,981	201.26	0.59

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.53	5,963	201.26	0.57
15.70	0.52	5,947	201.25	0.56
15.80	0.51	5,933	201.25	0.55
15.90	0.51	5,920	201.25	0.54
16.00	0.50	5,907	201.24	0.53
16.10	0.49	5,895	201.24	0.52
16.20	0.48	5,883	201.24	0.51
16.30	0.47	5,872	201.24	0.50
16.40	0.47	5,860	201.23	0.50
16.50	0.46	5,849	201.23	0.49
16.60	0.45	5,838	201.23	0.48
16.70	0.44	5,827	201.23	0.47
16.80	0.43	5,816	201.22	0.46
16.90	0.43	5,805	201.22	0.45
17.00	0.42	5,795	201.22	0.45
17.10	0.41	5,784	201.22	0.44
17.20	0.40	5,773	201.22	0.43
17.30	0.39	5,762	201.21	0.42
17.40	0.38	5,751	201.21	0.41
17.50	0.38	5,741	201.21	0.41
17.60	0.37	5,730	201.21	0.40
17.70	0.36	5,719	201.20	0.39
17.80	0.35	5,709	201.20	0.38
17.90	0.34	5,698	201.20	0.37
18.00	0.34	5,687	201.20	0.37
18.10	0.33	5,676	201.20	0.36
18.20	0.33	5,665	201.19	0.35
18.30	0.32	5,656	201.19	0.35
18.40	0.32	5,648	201.19	0.34
18.50	0.32	5,641	201.19	0.34
18.60	0.32	5,635	201.19	0.33
18.70	0.32	5,630	201.19	0.33
18.80	0.31	5,625	201.18	0.33
18.90	0.31	5,620	201.18	0.32
19.00	0.31	5,616	201.18	0.32
19.10	0.31	5,612	201.18	0.32
19.20	0.31	5,608	201.18	0.32
19.30	0.30	5,604	201.18	0.31
19.40	0.30	5,601	201.18	0.31
19.50	0.30	5,597	201.18	0.31
19.60	0.30	5,594	201.18	0.31
19.70	0.30	5,590	201.18	0.31
19.80	0.30	5,587	201.18	0.30
19.90	0.29	5,584	201.18	0.30
20.00	0.29	5,581	201.18	0.30
20.10	0.29	5,578	201.17	0.30
20.20	0.29	5,574	201.17	0.30
20.30	0.28	5,571	201.17	0.29
20.40	0.28	5,568	201.17	0.29
20.50	0.28	5,565	201.17	0.29
20.60	0.28	5,562	201.17	0.29
20.70	0.28	5,559	201.17	0.29

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.27	5,556	201.17	0.28
20.90	0.27	5,553	201.17	0.28
21.00	0.27	5,549	201.17	0.28
21.10	0.27	5,546	201.17	0.28
21.20	0.27	5,543	201.17	0.27
21.30	0.27	5,540	201.17	0.27
21.40	0.26	5,537	201.17	0.27
21.50	0.26	5,534	201.17	0.27
21.60	0.26	5,531	201.16	0.27
21.70	0.26	5,527	201.16	0.26
21.80	0.26	5,524	201.16	0.26
21.90	0.25	5,522	201.16	0.26
22.00	0.25	5,518	201.16	0.26
22.10	0.25	5,515	201.16	0.26
22.20	0.25	5,512	201.16	0.25
22.30	0.24	5,509	201.16	0.25
22.40	0.24	5,506	201.16	0.25
22.50	0.24	5,502	201.16	0.25
22.60	0.24	5,500	201.16	0.25
22.70	0.24	5,497	201.16	0.24
22.80	0.23	5,493	201.16	0.24
22.90	0.23	5,490	201.16	0.24
23.00	0.23	5,487	201.16	0.24
23.10	0.23	5,484	201.15	0.24
23.20	0.23	5,481	201.15	0.23
23.30	0.22	5,477	201.15	0.23
23.40	0.22	5,474	201.15	0.23
23.50	0.22	5,471	201.15	0.23
23.60	0.22	5,468	201.15	0.23
23.70	0.22	5,465	201.15	0.22
23.80	0.21	5,462	201.15	0.22
23.90	0.21	5,459	201.15	0.22
24.00	0.25	5,464	201.15	0.22
24.10	0.02	5,432	201.14	0.21
24.20	0.00	5,367	201.13	0.17
24.30	0.00	5,310	201.12	0.14
24.40	0.00	5,263	201.11	0.12
24.50	0.00	5,224	201.10	0.10
24.60	0.00	5,190	201.09	0.09
24.70	0.00	5,161	201.09	0.08
24.80	0.00	5,135	201.08	0.07
24.90	0.00	5,112	201.08	0.06
25.00	0.00	5,092	201.07	0.05
25.10	0.00	5,074	201.07	0.05
25.20	0.00	5,058	201.07	0.04
25.30	0.00	5,045	201.06	0.04
25.40	0.00	5,033	201.06	0.03
25.50	0.00	5,022	201.06	0.03
25.60	0.00	5,013	201.06	0.02
25.70	0.00	5,004	201.05	0.02
25.80	0.00	4,997	201.05	0.02
25.90	0.00	4,991	201.05	0.02

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	4,985	201.05	0.01
26.10	0.00	4,980	201.05	0.01
26.20	0.00	4,975	201.05	0.01
26.30	0.00	4,970	201.05	0.01
26.40	0.00	4,966	201.05	0.01
26.50	0.00	4,962	201.04	0.01
26.60	0.00	4,958	201.04	0.01
26.70	0.00	4,954	201.04	0.01
26.80	0.00	4,951	201.04	0.01
26.90	0.00	4,947	201.04	0.01
27.00	0.00	4,944	201.04	0.01
27.10	0.00	4,941	201.04	0.01
27.20	0.00	4,939	201.04	0.01
27.30	0.00	4,936	201.04	0.01
27.40	0.00	4,933	201.04	0.01
27.50	0.00	4,931	201.04	0.01
27.60	0.00	4,929	201.04	0.01
27.70	0.00	4,927	201.04	0.01
27.80	0.00	4,925	201.04	0.01
27.90	0.00	4,923	201.04	0.01
28.00	0.00	4,921	201.04	0.00
28.10	0.00	4,920	201.04	0.00
28.20	0.00	4,918	201.04	0.00
28.30	0.00	4,916	201.04	0.00
28.40	0.00	4,915	201.03	0.00
28.50	0.00	4,914	201.03	0.00
28.60	0.00	4,913	201.03	0.00
28.70	0.00	4,911	201.03	0.00
28.80	0.00	4,910	201.03	0.00
28.90	0.00	4,909	201.03	0.00
29.00	0.00	4,908	201.03	0.00
29.10	0.00	4,907	201.03	0.00
29.20	0.00	4,906	201.03	0.00
29.30	0.00	4,906	201.03	0.00
29.40	0.00	4,905	201.03	0.00
29.50	0.00	4,904	201.03	0.00
29.60	0.00	4,903	201.03	0.00
29.70	0.00	4,903	201.03	0.00
29.80	0.00	4,902	201.03	0.00
29.90	0.00	4,901	201.03	0.00
30.00	0.00	4,901	201.03	0.00
30.10	0.00	4,900	201.03	0.00
30.20	0.00	4,900	201.03	0.00
30.30	0.00	4,899	201.03	0.00
30.40	0.00	4,899	201.03	0.00
30.50	0.00	4,899	201.03	0.00
30.60	0.00	4,898	201.03	0.00
30.70	0.00	4,898	201.03	0.00
30.80	0.00	4,897	201.03	0.00
30.90	0.00	4,897	201.03	0.00
31.00	0.00	4,897	201.03	0.00
31.10	0.00	4,896	201.03	0.00

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	4,896	201.03	0.00
31.30	0.00	4,896	201.03	0.00
31.40	0.00	4,896	201.03	0.00
31.50	0.00	4,895	201.03	0.00
31.60	0.00	4,895	201.03	0.00
31.70	0.00	4,895	201.03	0.00
31.80	0.00	4,895	201.03	0.00
31.90	0.00	4,895	201.03	0.00
32.00	0.00	4,894	201.03	0.00
32.10	0.00	4,894	201.03	0.00
32.20	0.00	4,894	201.03	0.00
32.30	0.00	4,894	201.03	0.00
32.40	0.00	4,894	201.03	0.00
32.50	0.00	4,894	201.03	0.00
32.60	0.00	4,894	201.03	0.00
32.70	0.00	4,893	201.03	0.00
32.80	0.00	4,893	201.03	0.00
32.90	0.00	4,893	201.03	0.00
33.00	0.00	4,893	201.03	0.00
33.10	0.00	4,893	201.03	0.00
33.20	0.00	4,893	201.03	0.00
33.30	0.00	4,893	201.03	0.00
33.40	0.00	4,893	201.03	0.00
33.50	0.00	4,893	201.03	0.00
33.60	0.00	4,893	201.03	0.00
33.70	0.00	4,893	201.03	0.00
33.80	0.00	4,893	201.03	0.00
33.90	0.00	4,892	201.03	0.00
34.00	0.00	4,892	201.03	0.00
34.10	0.00	4,892	201.03	0.00
34.20	0.00	4,892	201.03	0.00
34.30	0.00	4,892	201.03	0.00
34.40	0.00	4,892	201.03	0.00
34.50	0.00	4,892	201.03	0.00
34.60	0.00	4,892	201.03	0.00
34.70	0.00	4,892	201.03	0.00
34.80	0.00	4,892	201.03	0.00
34.90	0.00	4,892	201.03	0.00
35.00	0.00	4,892	201.03	0.00
35.10	0.00	4,892	201.03	0.00
35.20	0.00	4,892	201.03	0.00
35.30	0.00	4,892	201.03	0.00
35.40	0.00	4,892	201.03	0.00
35.50	0.00	4,892	201.03	0.00
35.60	0.00	4,892	201.03	0.00
35.70	0.00	4,892	201.03	0.00
35.80	0.00	4,892	201.03	0.00
35.90	0.00	4,892	201.03	0.00
36.00	0.00	4,892	201.03	0.00
36.10	0.00	4,892	201.03	0.00
36.20	0.00	4,892	201.03	0.00
36.30	0.00	4,892	201.03	0.00

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	4,892	201.03	0.00
36.50	0.00	4,892	201.03	0.00
36.60	0.00	4,892	201.03	0.00
36.70	0.00	4,892	201.03	0.00
36.80	0.00	4,892	201.03	0.00
36.90	0.00	4,892	201.03	0.00
37.00	0.00	4,892	201.03	0.00
37.10	0.00	4,892	201.03	0.00
37.20	0.00	4,892	201.03	0.00
37.30	0.00	4,892	201.03	0.00
37.40	0.00	4,892	201.03	0.00
37.50	0.00	4,892	201.03	0.00
37.60	0.00	4,892	201.03	0.00
37.70	0.00	4,892	201.03	0.00
37.80	0.00	4,892	201.03	0.00
37.90	0.00	4,892	201.03	0.00
38.00	0.00	4,892	201.03	0.00
38.10	0.00	4,892	201.03	0.00
38.20	0.00	4,892	201.03	0.00
38.30	0.00	4,892	201.03	0.00
38.40	0.00	4,892	201.03	0.00
38.50	0.00	4,892	201.03	0.00
38.60	0.00	4,892	201.03	0.00
38.70	0.00	4,892	201.03	0.00
38.80	0.00	4,892	201.03	0.00
38.90	0.00	4,892	201.03	0.00
39.00	0.00	4,892	201.03	0.00
39.10	0.00	4,892	201.03	0.00
39.20	0.00	4,892	201.03	0.00
39.30	0.00	4,892	201.03	0.00
39.40	0.00	4,892	201.03	0.00
39.50	0.00	4,892	201.03	0.00
39.60	0.00	4,892	201.03	0.00
39.70	0.00	4,892	201.03	0.00
39.80	0.00	4,892	201.03	0.00
39.90	0.00	4,892	201.03	0.00
40.00	0.00	4,892	201.03	0.00

Stage-Discharge for Pond B-53: Basin #53

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
200.00	0.00	200.52	0.00	201.04	0.01	201.56	1.60
200.01	0.00	200.53	0.00	201.05	0.02	201.57	1.62
200.02	0.00	200.54	0.00	201.06	0.03	201.58	1.64
200.03	0.00	200.55	0.00	201.07	0.04	201.59	1.66
200.04	0.00	200.56	0.00	201.08	0.06	201.60	1.69
200.05	0.00	200.57	0.00	201.09	0.08	201.61	1.71
200.06	0.00	200.58	0.00	201.10	0.10	201.62	1.73
200.07	0.00	200.59	0.00	201.11	0.12	201.63	1.75
200.08	0.00	200.60	0.00	201.12	0.14	201.64	1.77
200.09	0.00	200.61	0.00	201.13	0.17	201.65	1.79
200.10	0.00	200.62	0.00	201.14	0.20	201.66	1.81
200.11	0.00	200.63	0.00	201.15	0.22	201.67	1.83
200.12	0.00	200.64	0.00	201.16	0.25	201.68	1.85
200.13	0.00	200.65	0.00	201.17	0.28	201.69	1.87
200.14	0.00	200.66	0.00	201.18	0.31	201.70	1.89
200.15	0.00	200.67	0.00	201.19	0.34	201.71	1.91
200.16	0.00	200.68	0.00	201.20	0.37	201.72	1.93
200.17	0.00	200.69	0.00	201.21	0.41	201.73	1.95
200.18	0.00	200.70	0.00	201.22	0.44	201.74	1.96
200.19	0.00	200.71	0.00	201.23	0.48	201.75	1.98
200.20	0.00	200.72	0.00	201.24	0.51	201.76	2.00
200.21	0.00	200.73	0.00	201.25	0.55	201.77	2.02
200.22	0.00	200.74	0.00	201.26	0.59	201.78	2.04
200.23	0.00	200.75	0.00	201.27	0.63	201.79	2.05
200.24	0.00	200.76	0.00	201.28	0.67	201.80	2.07
200.25	0.00	200.77	0.00	201.29	0.71	201.81	2.09
200.26	0.00	200.78	0.00	201.30	0.75	201.82	2.11
200.27	0.00	200.79	0.00	201.31	0.79	201.83	2.12
200.28	0.00	200.80	0.00	201.32	0.84	201.84	2.14
200.29	0.00	200.81	0.00	201.33	0.88	201.85	2.16
200.30	0.00	200.82	0.00	201.34	0.92	201.86	2.17
200.31	0.00	200.83	0.00	201.35	0.97	201.87	2.19
200.32	0.00	200.84	0.00	201.36	1.01	201.88	2.21
200.33	0.00	200.85	0.00	201.37	1.06	201.89	2.22
200.34	0.00	200.86	0.00	201.38	1.10	201.90	2.24
200.35	0.00	200.87	0.00	201.39	1.13	201.91	2.25
200.36	0.00	200.88	0.00	201.40	1.17	201.92	2.27
200.37	0.00	200.89	0.00	201.41	1.20	201.93	2.29
200.38	0.00	200.90	0.00	201.42	1.23	201.94	2.30
200.39	0.00	200.91	0.00	201.43	1.26	201.95	2.32
200.40	0.00	200.92	0.00	201.44	1.29	201.96	2.33
200.41	0.00	200.93	0.00	201.45	1.32	201.97	2.35
200.42	0.00	200.94	0.00	201.46	1.35	201.98	2.36
200.43	0.00	200.95	0.00	201.47	1.38	201.99	2.38
200.44	0.00	200.96	0.00	201.48	1.40	202.00	2.39
200.45	0.00	200.97	0.00	201.49	1.43	202.01	2.41
200.46	0.00	200.98	0.00	201.50	1.45	202.02	2.42
200.47	0.00	200.99	0.00	201.51	1.48	202.03	2.44
200.48	0.00	201.00	0.00	201.52	1.50	202.04	2.45
200.49	0.00	201.01	0.00	201.53	1.53	202.05	2.47
200.50	0.00	201.02	0.00	201.54	1.55	202.06	2.48
200.51	0.00	201.03	0.00	201.55	1.57	202.07	2.50

Stage-Discharge for Pond B-53: Basin #53 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
202.08	2.51	202.60	5.91	203.12	8.79	203.64	10.78
202.09	2.52	202.61	6.00	203.13	8.83	203.65	10.81
202.10	2.54	202.62	6.08	203.14	8.88	203.66	10.85
202.11	2.56	202.63	6.15	203.15	8.92	203.67	10.88
202.12	2.59	202.64	6.23	203.16	8.96	203.68	10.91
202.13	2.62	202.65	6.30	203.17	9.00	203.69	10.95
202.14	2.66	202.66	6.37	203.18	9.05	203.70	10.98
202.15	2.70	202.67	6.44	203.19	9.09	203.71	11.02
202.16	2.74	202.68	6.51	203.20	9.13	203.72	11.05
202.17	2.78	202.69	6.57	203.21	9.17	203.73	11.08
202.18	2.82	202.70	6.64	203.22	9.21	203.74	11.12
202.19	2.87	202.71	6.70	203.23	9.25	203.75	11.15
202.20	2.92	202.72	6.76	203.24	9.29	203.76	11.18
202.21	2.97	202.73	6.83	203.25	9.33	203.77	11.21
202.22	3.03	202.74	6.89	203.26	9.37	203.78	11.25
202.23	3.08	202.75	6.95	203.27	9.41	203.79	11.28
202.24	3.14	202.76	7.01	203.28	9.45	203.80	11.31
202.25	3.19	202.77	7.06	203.29	9.49	203.81	11.34
202.26	3.25	202.78	7.12	203.30	9.53	203.82	11.38
202.27	3.31	202.79	7.18	203.31	9.57	203.83	11.41
202.28	3.37	202.80	7.24	203.32	9.61	203.84	11.44
202.29	3.44	202.81	7.29	203.33	9.65	203.85	11.47
202.30	3.50	202.82	7.35	203.34	9.69	203.86	11.51
202.31	3.57	202.83	7.40	203.35	9.73	203.87	11.54
202.32	3.63	202.84	7.45	203.36	9.77	203.88	11.57
202.33	3.70	202.85	7.51	203.37	9.80	203.89	11.60
202.34	3.77	202.86	7.56	203.38	9.84	203.90	11.63
202.35	3.84	202.87	7.61	203.39	9.88	203.91	11.66
202.36	3.91	202.88	7.66	203.40	9.92	203.92	11.70
202.37	3.98	202.89	7.72	203.41	9.95	203.93	11.73
202.38	4.06	202.90	7.77	203.42	9.99	203.94	11.76
202.39	4.13	202.91	7.82	203.43	10.03	203.95	11.79
202.40	4.21	202.92	7.87	203.44	10.07	203.96	11.82
202.41	4.28	202.93	7.92	203.45	10.10	203.97	11.85
202.42	4.36	202.94	7.96	203.46	10.14	203.98	11.88
202.43	4.44	202.95	8.01	203.47	10.18	203.99	11.91
202.44	4.52	202.96	8.06	203.48	10.21	204.00	11.94
202.45	4.60	202.97	8.11	203.49	10.25	204.01	11.99
202.46	4.68	202.98	8.16	203.50	10.29	204.02	12.04
202.47	4.76	202.99	8.20	203.51	10.32	204.03	12.10
202.48	4.85	203.00	8.25	203.52	10.36	204.04	12.17
202.49	4.93	203.01	8.30	203.53	10.39	204.05	12.24
202.50	5.01	203.02	8.34	203.54	10.43	204.06	12.32
202.51	5.10	203.03	8.39	203.55	10.46	204.07	12.40
202.52	5.19	203.04	8.44	203.56	10.50	204.08	12.48
202.53	5.27	203.05	8.48	203.57	10.54	204.09	12.57
202.54	5.36	203.06	8.53	203.58	10.57	204.10	12.66
202.55	5.45	203.07	8.57	203.59	10.61	204.11	12.75
202.56	5.54	203.08	8.62	203.60	10.64	204.12	12.85
202.57	5.63	203.09	8.66	203.61	10.67	204.13	12.95
202.58	5.72	203.10	8.70	203.62	10.71	204.14	13.05
202.59	5.82	203.11	8.75	203.63	10.74	204.15	13.15

Stage-Discharge for Pond B-53: Basin #53 (continued)

Elevation (feet)	Primary (cfs)
204.16	13.26
204.17	13.36
204.18	13.47
204.19	13.59
204.20	13.70
204.21	13.82
204.22	13.94
204.23	14.06
204.24	14.18
204.25	14.30
204.26	14.43
204.27	14.56
204.28	14.68
204.29	14.82
204.30	14.95
204.31	15.08
204.32	15.22
204.33	15.35
204.34	15.49
204.35	15.63
204.36	15.77
204.37	15.92
204.38	16.06
204.39	16.21
204.40	16.36
204.41	16.50
204.42	16.65
204.43	16.80
204.44	16.96
204.45	17.11
204.46	17.27
204.47	17.42
204.48	17.58
204.49	17.74
204.50	17.90
204.51	18.17
204.52	18.55
204.53	18.99
204.54	19.48
204.55	20.02
204.56	20.60
204.57	21.22
204.58	21.87
204.59	22.56
204.60	23.27
204.61	24.02
204.62	24.79
204.63	25.59
204.64	26.42
204.65	27.27
204.66	28.14
204.67	29.04
204.68	29.97
204.69	30.91
204.70	31.88
204.71	32.91
204.72	33.96
204.73	35.04
204.74	36.15
204.75	37.28
204.76	38.44
204.77	39.63
204.78	40.84
204.79	42.07
204.80	43.33
204.81	44.62
204.82	45.93
204.83	47.27
204.84	48.63
204.85	50.02
204.86	51.43
204.87	52.87
204.88	54.33
204.89	55.82
204.90	57.33
204.91	58.89
204.92	60.48
204.93	62.10
204.94	63.74
204.95	65.42
204.96	67.11
204.97	68.84
204.98	70.59
204.99	72.37
205.00	**74.18**

Stage-Area-Storage for Pond B-53: Basin #53

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
200.00	**4,749**	0	200.52	4,749	2,469
200.01	4,749	47	200.53	4,749	2,517
200.02	4,749	95	200.54	4,749	2,564
200.03	4,749	142	200.55	4,749	2,612
200.04	4,749	190	200.56	4,749	2,659
200.05	4,749	237	200.57	4,749	2,707
200.06	4,749	285	200.58	4,749	2,754
200.07	4,749	332	200.59	4,749	2,802
200.08	4,749	380	200.60	4,749	2,849
200.09	4,749	427	200.61	4,749	2,897
200.10	4,749	475	200.62	4,749	2,944
200.11	4,749	522	200.63	4,749	2,992
200.12	4,749	570	200.64	4,749	3,039
200.13	4,749	617	200.65	4,749	3,087
200.14	4,749	665	200.66	4,749	3,134
200.15	4,749	712	200.67	4,749	3,182
200.16	4,749	760	200.68	4,749	3,229
200.17	4,749	807	200.69	4,749	3,277
200.18	4,749	855	200.70	4,749	3,324
200.19	4,749	902	200.71	4,749	3,372
200.20	4,749	950	200.72	4,749	3,419
200.21	4,749	997	200.73	4,749	3,467
200.22	4,749	1,045	200.74	4,749	3,514
200.23	4,749	1,092	200.75	4,749	3,562
200.24	4,749	1,140	200.76	4,749	3,609
200.25	4,749	1,187	200.77	4,749	3,657
200.26	4,749	1,235	200.78	4,749	3,704
200.27	4,749	1,282	200.79	4,749	3,752
200.28	4,749	1,330	200.80	4,749	3,799
200.29	4,749	1,377	200.81	4,749	3,847
200.30	4,749	1,425	200.82	4,749	3,894
200.31	4,749	1,472	200.83	4,749	3,942
200.32	4,749	1,520	200.84	4,749	3,989
200.33	4,749	1,567	200.85	4,749	4,037
200.34	4,749	1,615	200.86	4,749	4,084
200.35	4,749	1,662	200.87	4,749	4,132
200.36	4,749	1,710	200.88	4,749	4,179
200.37	4,749	1,757	200.89	4,749	4,227
200.38	4,749	1,805	200.90	4,749	4,274
200.39	4,749	1,852	200.91	4,749	4,322
200.40	4,749	1,900	200.92	4,749	4,369
200.41	4,749	1,947	200.93	4,749	4,417
200.42	4,749	1,995	200.94	4,749	4,464
200.43	4,749	2,042	200.95	4,749	4,512
200.44	4,749	2,090	200.96	4,749	4,559
200.45	4,749	2,137	200.97	4,749	4,607
200.46	4,749	2,185	200.98	4,749	4,654
200.47	4,749	2,232	200.99	4,749	4,702
200.48	4,749	2,280	201.00	4,749	4,749
200.49	4,749	2,327	201.01	4,749	4,796
200.50	4,749	2,375	201.02	4,749	4,844
200.51	4,749	2,422	201.03	4,749	4,891

Stage-Area-Storage for Pond B-53: Basin #53 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
201.04	4,749	4,939	201.56	4,749	7,408
201.05	4,749	4,986	201.57	4,749	7,456
201.06	4,749	5,034	201.58	4,749	7,503
201.07	4,749	5,081	201.59	4,749	7,551
201.08	4,749	5,129	201.60	4,749	7,598
201.09	4,749	5,176	201.61	4,749	7,646
201.10	4,749	5,224	201.62	4,749	7,693
201.11	4,749	5,271	201.63	4,749	7,741
201.12	4,749	5,319	201.64	4,749	7,788
201.13	4,749	5,366	201.65	4,749	7,836
201.14	4,749	5,414	201.66	4,749	7,883
201.15	4,749	5,461	201.67	4,749	7,931
201.16	4,749	5,509	201.68	4,749	7,978
201.17	4,749	5,556	201.69	4,749	8,026
201.18	4,749	5,604	201.70	4,749	8,073
201.19	4,749	5,651	201.71	4,749	8,121
201.20	4,749	5,699	201.72	4,749	8,168
201.21	4,749	5,746	201.73	4,749	8,216
201.22	4,749	5,794	201.74	4,749	8,263
201.23	4,749	5,841	201.75	4,749	8,311
201.24	4,749	5,889	201.76	4,749	8,358
201.25	4,749	5,936	201.77	4,749	8,406
201.26	4,749	5,984	201.78	4,749	8,453
201.27	4,749	6,031	201.79	4,749	8,501
201.28	4,749	6,079	201.80	4,749	8,548
201.29	4,749	6,126	201.81	4,749	8,596
201.30	4,749	6,174	201.82	4,749	8,643
201.31	4,749	6,221	201.83	4,749	8,691
201.32	4,749	6,269	201.84	4,749	8,738
201.33	4,749	6,316	201.85	4,749	8,786
201.34	4,749	6,364	201.86	4,749	8,833
201.35	4,749	6,411	201.87	4,749	8,881
201.36	4,749	6,459	201.88	4,749	8,928
201.37	4,749	6,506	201.89	4,749	8,976
201.38	4,749	6,554	201.90	4,749	9,023
201.39	4,749	6,601	201.91	4,749	9,071
201.40	4,749	6,649	201.92	4,749	9,118
201.41	4,749	6,696	201.93	4,749	9,166
201.42	4,749	6,744	201.94	4,749	9,213
201.43	4,749	6,791	201.95	4,749	9,261
201.44	4,749	6,839	201.96	4,749	9,308
201.45	4,749	6,886	201.97	4,749	9,356
201.46	4,749	6,934	201.98	4,749	9,403
201.47	4,749	6,981	201.99	4,749	9,451
201.48	4,749	7,029	202.00	4,749	9,498
201.49	4,749	7,076	202.01	4,749	9,545
201.50	4,749	7,124	202.02	4,749	9,593
201.51	4,749	7,171	202.03	4,749	9,640
201.52	4,749	7,218	202.04	4,749	9,688
201.53	4,749	7,266	202.05	4,749	9,735
201.54	4,749	7,313	202.06	4,749	9,783
201.55	4,749	7,361	202.07	4,749	9,830

Stage-Area-Storage for Pond B-53: Basin #53 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
202.08	4,749	9,878	202.60	4,749	12,347
202.09	4,749	9,925	202.61	4,749	12,395
202.10	4,749	9,973	202.62	4,749	12,442
202.11	4,749	10,020	202.63	4,749	12,490
202.12	4,749	10,068	202.64	4,749	12,537
202.13	4,749	10,115	202.65	4,749	12,585
202.14	4,749	10,163	202.66	4,749	12,632
202.15	4,749	10,210	202.67	4,749	12,680
202.16	4,749	10,258	202.68	4,749	12,727
202.17	4,749	10,305	202.69	4,749	12,775
202.18	4,749	10,353	202.70	4,749	12,822
202.19	4,749	10,400	202.71	4,749	12,870
202.20	4,749	10,448	202.72	4,749	12,917
202.21	4,749	10,495	202.73	4,749	12,965
202.22	4,749	10,543	202.74	4,749	13,012
202.23	4,749	10,590	202.75	4,749	13,060
202.24	4,749	10,638	202.76	4,749	13,107
202.25	4,749	10,685	202.77	4,749	13,155
202.26	4,749	10,733	202.78	4,749	13,202
202.27	4,749	10,780	202.79	4,749	13,250
202.28	4,749	10,828	202.80	4,749	13,297
202.29	4,749	10,875	202.81	4,749	13,345
202.30	4,749	10,923	202.82	4,749	13,392
202.31	4,749	10,970	202.83	4,749	13,440
202.32	4,749	11,018	202.84	4,749	13,487
202.33	4,749	11,065	202.85	4,749	13,535
202.34	4,749	11,113	202.86	4,749	13,582
202.35	4,749	11,160	202.87	4,749	13,630
202.36	4,749	11,208	202.88	4,749	13,677
202.37	4,749	11,255	202.89	4,749	13,725
202.38	4,749	11,303	202.90	4,749	13,772
202.39	4,749	11,350	202.91	4,749	13,820
202.40	4,749	11,398	202.92	4,749	13,867
202.41	4,749	11,445	202.93	4,749	13,915
202.42	4,749	11,493	202.94	4,749	13,962
202.43	4,749	11,540	202.95	4,749	14,010
202.44	4,749	11,588	202.96	4,749	14,057
202.45	4,749	11,635	202.97	4,749	14,105
202.46	4,749	11,683	202.98	4,749	14,152
202.47	4,749	11,730	202.99	4,749	14,200
202.48	4,749	11,778	203.00	4,749	14,247
202.49	4,749	11,825	203.01	4,749	14,294
202.50	4,749	11,873	203.02	4,749	14,342
202.51	4,749	11,920	203.03	4,749	14,389
202.52	4,749	11,967	203.04	4,749	14,437
202.53	4,749	12,015	203.05	4,749	14,484
202.54	4,749	12,062	203.06	4,749	14,532
202.55	4,749	12,110	203.07	4,749	14,579
202.56	4,749	12,157	203.08	4,749	14,627
202.57	4,749	12,205	203.09	4,749	14,674
202.58	4,749	12,252	203.10	4,749	14,722
202.59	4,749	12,300	203.11	4,749	14,769

Stage-Area-Storage for Pond B-53: Basin #53 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
203.12	4,749	14,817	203.64	4,749	17,286
203.13	4,749	14,864	203.65	4,749	17,334
203.14	4,749	14,912	203.66	4,749	17,381
203.15	4,749	14,959	203.67	4,749	17,429
203.16	4,749	15,007	203.68	4,749	17,476
203.17	4,749	15,054	203.69	4,749	17,524
203.18	4,749	15,102	203.70	4,749	17,571
203.19	4,749	15,149	203.71	4,749	17,619
203.20	4,749	15,197	203.72	4,749	17,666
203.21	4,749	15,244	203.73	4,749	17,714
203.22	4,749	15,292	203.74	4,749	17,761
203.23	4,749	15,339	203.75	4,749	17,809
203.24	4,749	15,387	203.76	4,749	17,856
203.25	4,749	15,434	203.77	4,749	17,904
203.26	4,749	15,482	203.78	4,749	17,951
203.27	4,749	15,529	203.79	4,749	17,999
203.28	4,749	15,577	203.80	4,749	18,046
203.29	4,749	15,624	203.81	4,749	18,094
203.30	4,749	15,672	203.82	4,749	18,141
203.31	4,749	15,719	203.83	4,749	18,189
203.32	4,749	15,767	203.84	4,749	18,236
203.33	4,749	15,814	203.85	4,749	18,284
203.34	4,749	15,862	203.86	4,749	18,331
203.35	4,749	15,909	203.87	4,749	18,379
203.36	4,749	15,957	203.88	4,749	18,426
203.37	4,749	16,004	203.89	4,749	18,474
203.38	4,749	16,052	203.90	4,749	18,521
203.39	4,749	16,099	203.91	4,749	18,569
203.40	4,749	16,147	203.92	4,749	18,616
203.41	4,749	16,194	203.93	4,749	18,664
203.42	4,749	16,242	203.94	4,749	18,711
203.43	4,749	16,289	203.95	4,749	18,759
203.44	4,749	16,337	203.96	4,749	18,806
203.45	4,749	16,384	203.97	4,749	18,854
203.46	4,749	16,432	203.98	4,749	18,901
203.47	4,749	16,479	203.99	4,749	18,949
203.48	4,749	16,527	204.00	4,749	18,996
203.49	4,749	16,574	204.01	4,749	19,043
203.50	4,749	16,622	204.02	4,749	19,091
203.51	4,749	16,669	204.03	4,749	19,138
203.52	4,749	16,716	204.04	4,749	19,186
203.53	4,749	16,764	204.05	4,749	19,233
203.54	4,749	16,811	204.06	4,749	19,281
203.55	4,749	16,859	204.07	4,749	19,328
203.56	4,749	16,906	204.08	4,749	19,376
203.57	4,749	16,954	204.09	4,749	19,423
203.58	4,749	17,001	204.10	4,749	19,471
203.59	4,749	17,049	204.11	4,749	19,518
203.60	4,749	17,096	204.12	4,749	19,566
203.61	4,749	17,144	204.13	4,749	19,613
203.62	4,749	17,191	204.14	4,749	19,661
203.63	4,749	17,239	204.15	4,749	19,708

Stage-Area-Storage for Pond B-53: Basin #53 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
204.16	4,749	19,756
204.17	4,749	19,803
204.18	4,749	19,851
204.19	4,749	19,898
204.20	4,749	19,946
204.21	4,749	19,993
204.22	4,749	20,041
204.23	4,749	20,088
204.24	4,749	20,136
204.25	4,749	20,183
204.26	4,749	20,231
204.27	4,749	20,278
204.28	4,749	20,326
204.29	4,749	20,373
204.30	4,749	20,421
204.31	4,749	20,468
204.32	4,749	20,516
204.33	4,749	20,563
204.34	4,749	20,611
204.35	4,749	20,658
204.36	4,749	20,706
204.37	4,749	20,753
204.38	4,749	20,801
204.39	4,749	20,848
204.40	4,749	20,896
204.41	4,749	20,943
204.42	4,749	20,991
204.43	4,749	21,038
204.44	4,749	21,086
204.45	4,749	21,133
204.46	4,749	21,181
204.47	4,749	21,228
204.48	4,749	21,276
204.49	4,749	21,323
204.50	4,749	21,371
204.51	4,749	21,418
204.52	4,749	21,465
204.53	4,749	21,513
204.54	4,749	21,560
204.55	4,749	21,608
204.56	4,749	21,655
204.57	4,749	21,703
204.58	4,749	21,750
204.59	4,749	21,798
204.60	4,749	21,845
204.61	4,749	21,893
204.62	4,749	21,940
204.63	4,749	21,988
204.64	4,749	22,035
204.65	4,749	22,083
204.66	4,749	22,130
204.67	4,749	22,178
204.68	4,749	22,225
204.69	4,749	22,273
204.70	4,749	22,320
204.71	4,749	22,368
204.72	4,749	22,415
204.73	4,749	22,463
204.74	4,749	22,510
204.75	4,749	22,558
204.76	4,749	22,605
204.77	4,749	22,653
204.78	4,749	22,700
204.79	4,749	22,748
204.80	4,749	22,795
204.81	4,749	22,843
204.82	4,749	22,890
204.83	4,749	22,938
204.84	4,749	22,985
204.85	4,749	23,033
204.86	4,749	23,080
204.87	4,749	23,128
204.88	4,749	23,175
204.89	4,749	23,223
204.90	4,749	23,270
204.91	4,749	23,318
204.92	4,749	23,365
204.93	4,749	23,413
204.94	4,749	23,460
204.95	4,749	23,508
204.96	4,749	23,555
204.97	4,749	23,603
204.98	4,749	23,650
204.99	4,749	23,698
205.00	4,749	**23,745**

Summary for Pond B-54: Basin #54

Inflow Area = 2.570 ac, 60.47% Impervious, Inflow Depth = 7.06" for Current 100 yr event
Inflow = 20.12 cfs @ 12.09 hrs, Volume= 1.512 af
Outflow = 10.77 cfs @ 12.22 hrs, Volume= 1.373 af, Atten= 46%, Lag= 7.4 min
Primary = 10.77 cfs @ 12.22 hrs, Volume= 1.373 af
Routed to Pond B-51 : Basin #51

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 202.02' @ 12.22 hrs Surf.Area= 5,114 sf Storage= 20,580 cf

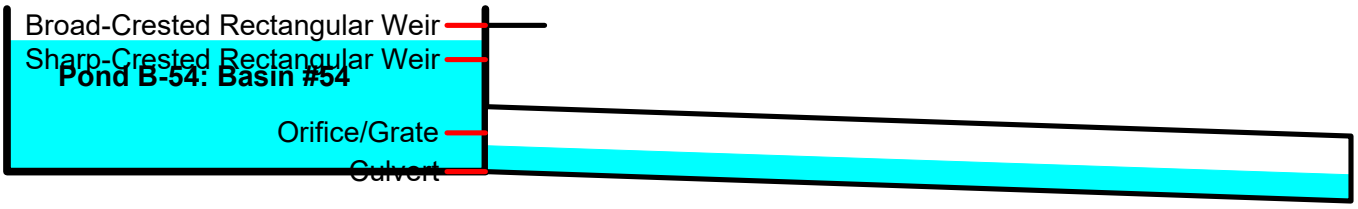
Plug-Flow detention time= 121.3 min calculated for 1.373 af (91% of inflow)
Center-of-Mass det. time= 71.8 min (834.2 - 762.4)

Volume	Invert	Avail.Storage	Storage Description
#1	198.00'	25,570 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

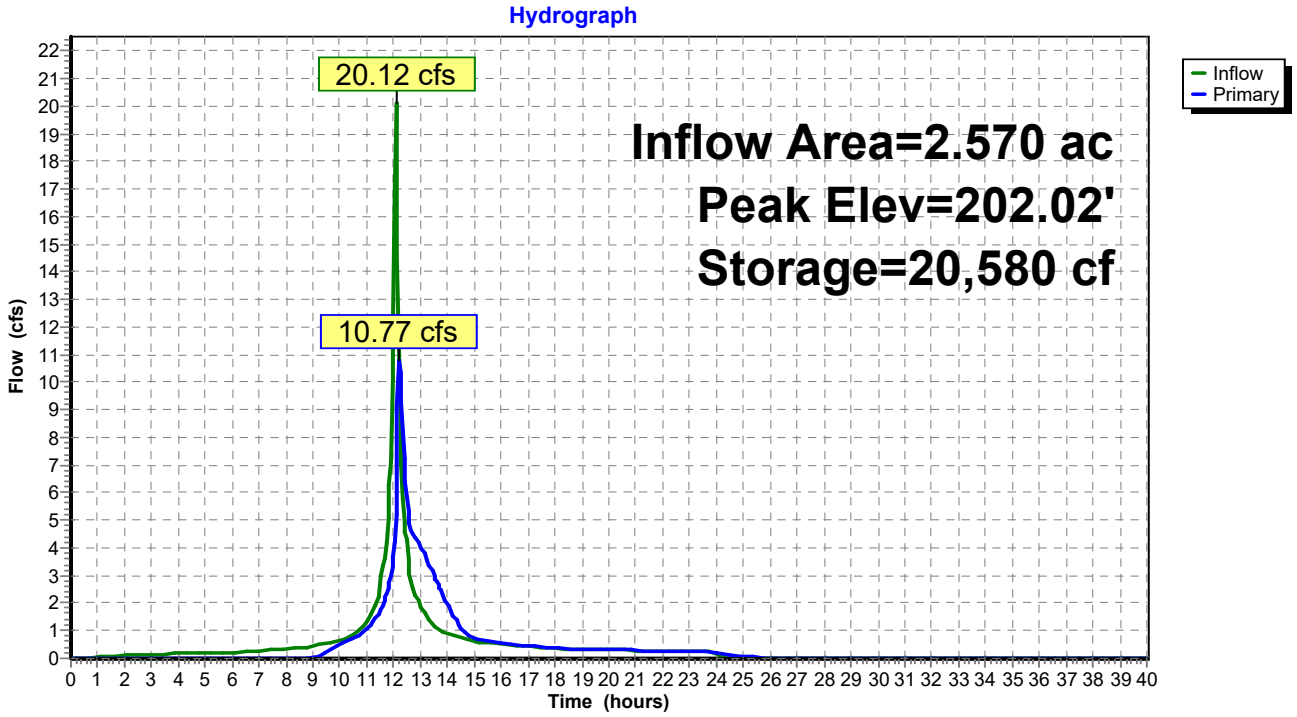
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
198.00	5,114	0	0
199.00	5,114	5,114	5,114
200.00	5,114	5,114	10,228
201.00	5,114	5,114	15,342
202.00	5,114	5,114	20,456
203.00	5,114	5,114	25,570

Device	Routing	Invert	Outlet Devices
#1	Primary	198.00'	**24.0" Round Culvert** L= 73.0' Ke= 0.500 Inlet / Outlet Invert= 198.00' / 197.10' S= 0.0123 '/' Cc= 0.900 n= 0.013, Flow Area= 3.14 sf
#2	Device 1	199.19'	**24.0" W x 4.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	201.45'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	202.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=10.56 cfs @ 12.22 hrs HW=202.01' (Free Discharge)
- **1=Culvert** (Passes 10.56 cfs of 26.24 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 5.23 cfs @ 7.84 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 5.33 cfs @ 2.45 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-54: Basin #54



Hydrograph for Pond B-54: Basin #54

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	198.00	0.00
0.10	0.00	0	198.00	0.00
0.20	0.00	0	198.00	0.00
0.30	0.00	0	198.00	0.00
0.40	0.00	0	198.00	0.00
0.50	0.00	0	198.00	0.00
0.60	0.01	3	198.00	0.00
0.70	0.02	10	198.00	0.00
0.80	0.03	21	198.00	0.00
0.90	0.04	34	198.01	0.00
1.00	0.05	51	198.01	0.00
1.10	0.06	71	198.01	0.00
1.20	0.06	93	198.02	0.00
1.30	0.07	117	198.02	0.00
1.40	0.08	144	198.03	0.00
1.50	0.08	173	198.03	0.00
1.60	0.09	203	198.04	0.00
1.70	0.09	236	198.05	0.00
1.80	0.10	270	198.05	0.00
1.90	0.10	306	198.06	0.00
2.00	0.11	343	198.07	0.00
2.10	0.11	382	198.07	0.00
2.20	0.11	422	198.08	0.00
2.30	0.12	464	198.09	0.00
2.40	0.12	507	198.10	0.00
2.50	0.12	551	198.11	0.00
2.60	0.13	596	198.12	0.00
2.70	0.13	642	198.13	0.00
2.80	0.13	690	198.13	0.00
2.90	0.14	738	198.14	0.00
3.00	0.14	788	198.15	0.00
3.10	0.14	838	198.16	0.00
3.20	0.14	890	198.17	0.00
3.30	0.15	942	198.18	0.00
3.40	0.15	995	198.19	0.00
3.50	0.15	1,049	198.21	0.00
3.60	0.15	1,105	198.22	0.00
3.70	0.16	1,160	198.23	0.00
3.80	0.16	1,217	198.24	0.00
3.90	0.16	1,274	198.25	0.00
4.00	0.16	1,333	198.26	0.00
4.10	0.16	1,392	198.27	0.00
4.20	0.17	1,451	198.28	0.00
4.30	0.17	1,512	198.30	0.00
4.40	0.17	1,574	198.31	0.00
4.50	0.17	1,636	198.32	0.00
4.60	0.17	1,698	198.33	0.00
4.70	0.18	1,762	198.34	0.00
4.80	0.18	1,826	198.36	0.00
4.90	0.18	1,890	198.37	0.00
5.00	0.18	1,956	198.38	0.00
5.10	0.18	2,022	198.40	0.00

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.19	2,089	198.41	0.00
5.30	0.19	2,156	198.42	0.00
5.40	0.19	2,224	198.43	0.00
5.50	0.19	2,293	198.45	0.00
5.60	0.19	2,362	198.46	0.00
5.70	0.19	2,432	198.48	0.00
5.80	0.20	2,502	198.49	0.00
5.90	0.20	2,573	198.50	0.00
6.00	0.20	2,645	198.52	0.00
6.10	0.21	2,718	198.53	0.00
6.20	0.21	2,793	198.55	0.00
6.30	0.22	2,870	198.56	0.00
6.40	0.22	2,949	198.58	0.00
6.50	0.23	3,031	198.59	0.00
6.60	0.24	3,114	198.61	0.00
6.70	0.24	3,201	198.63	0.00
6.80	0.25	3,289	198.64	0.00
6.90	0.26	3,380	198.66	0.00
7.00	0.26	3,474	198.68	0.00
7.10	0.27	3,570	198.70	0.00
7.20	0.28	3,669	198.72	0.00
7.30	0.28	3,770	198.74	0.00
7.40	0.29	3,874	198.76	0.00
7.50	0.30	3,981	198.78	0.00
7.60	0.31	4,090	198.80	0.00
7.70	0.31	4,202	198.82	0.00
7.80	0.32	4,317	198.84	0.00
7.90	0.33	4,434	198.87	0.00
8.00	0.34	4,555	198.89	0.00
8.10	0.34	4,678	198.91	0.00
8.20	0.35	4,804	198.94	0.00
8.30	0.36	4,932	198.96	0.00
8.40	0.37	5,064	198.99	0.00
8.50	0.38	5,198	199.02	0.00
8.60	0.38	5,336	199.04	0.00
8.70	0.39	5,476	199.07	0.00
8.80	0.40	5,620	199.10	0.00
8.90	0.41	5,766	199.13	0.00
9.00	0.42	5,915	199.16	0.00
9.10	0.44	6,071	199.19	0.00
9.20	0.47	6,229	199.22	0.04
9.30	0.49	6,380	199.25	0.09
9.40	0.52	6,517	199.27	0.16
9.50	0.54	6,638	199.30	0.23
9.60	0.57	6,744	199.32	0.30
9.70	0.60	6,835	199.34	0.36
9.80	0.62	6,915	199.35	0.42
9.90	0.65	6,984	199.37	0.48
10.00	0.68	7,045	199.38	0.52
10.10	0.71	7,099	199.39	0.57
10.20	0.74	7,148	199.40	0.61
10.30	0.77	7,193	199.41	0.65

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.80	7,235	199.41	0.69
10.50	0.83	7,274	199.42	0.72
10.60	0.92	7,322	199.43	0.77
10.70	1.02	7,386	199.44	0.82
10.80	1.12	7,463	199.46	0.90
10.90	1.22	7,548	199.48	0.98
11.00	1.33	7,639	199.49	1.08
11.10	1.51	7,748	199.52	1.18
11.20	1.71	7,882	199.54	1.32
11.30	1.91	8,040	199.57	1.44
11.40	2.11	8,224	199.61	1.58
11.50	2.31	8,430	199.65	1.71
11.60	3.37	8,826	199.73	1.93
11.70	3.80	9,378	199.83	2.21
11.80	5.09	10,151	199.99	2.54
11.90	7.14	11,395	200.23	2.99
12.00	12.08	13,750	200.69	3.70
12.10	**20.03**	18,174	201.55	5.19
12.20	11.19	**20,544**	**202.02**	**10.67**
12.30	7.12	20,081	201.93	9.35
12.40	4.98	19,233	201.76	7.21
12.50	4.29	18,557	201.63	5.82
12.60	3.08	17,933	201.51	4.89
12.70	2.63	17,265	201.38	4.56
12.80	2.37	16,545	201.24	4.40
12.90	2.14	15,800	201.09	4.22
13.00	1.92	15,039	200.94	4.04
13.10	1.70	14,268	200.79	3.84
13.20	1.56	13,507	200.64	3.64
13.30	1.44	12,773	200.50	3.43
13.40	1.32	12,071	200.36	3.21
13.50	1.20	11,405	200.23	3.00
13.60	1.08	10,775	200.11	2.77
13.70	1.03	10,195	199.99	2.55
13.80	0.99	9,678	199.89	2.34
13.90	0.96	9,225	199.80	2.13
14.00	0.93	8,833	199.73	1.94
14.10	0.90	8,500	199.66	1.75
14.20	0.87	8,220	199.61	1.57
14.30	0.84	7,992	199.56	1.41
14.40	0.81	7,810	199.53	1.24
14.50	0.78	7,673	199.50	1.11
14.60	0.75	7,567	199.48	1.00
14.70	0.72	7,484	199.46	0.92
14.80	0.69	7,417	199.45	0.85
14.90	0.65	7,360	199.44	0.80
15.00	0.62	7,310	199.43	0.75
15.10	0.59	7,264	199.42	0.71
15.20	0.58	7,225	199.41	0.68
15.30	0.57	7,193	199.41	0.65
15.40	0.56	7,167	199.40	0.62
15.50	0.55	7,146	199.40	0.61

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.55	7,128	199.39	0.59
15.70	0.54	7,112	199.39	0.58
15.80	0.53	7,097	199.39	0.57
15.90	0.52	7,083	199.39	0.56
16.00	0.51	7,071	199.38	0.55
16.10	0.50	7,059	199.38	0.54
16.20	0.50	7,047	199.38	0.53
16.30	0.49	7,036	199.38	0.52
16.40	0.48	7,025	199.37	0.51
16.50	0.47	7,014	199.37	0.50
16.60	0.46	7,004	199.37	0.49
16.70	0.46	6,993	199.37	0.48
16.80	0.45	6,983	199.37	0.47
16.90	0.44	6,972	199.36	0.47
17.00	0.43	6,962	199.36	0.46
17.10	0.42	6,952	199.36	0.45
17.20	0.41	6,942	199.36	0.44
17.30	0.40	6,932	199.36	0.43
17.40	0.40	6,921	199.35	0.42
17.50	0.39	6,911	199.35	0.42
17.60	0.38	6,901	199.35	0.41
17.70	0.37	6,891	199.35	0.40
17.80	0.36	6,880	199.35	0.39
17.90	0.36	6,869	199.34	0.39
18.00	0.35	6,857	199.34	0.38
18.10	0.34	6,846	199.34	0.37
18.20	0.34	6,835	199.34	0.36
18.30	0.33	6,826	199.33	0.36
18.40	0.33	6,818	199.33	0.35
18.50	0.33	6,811	199.33	0.35
18.60	0.33	6,805	199.33	0.34
18.70	0.32	6,800	199.33	0.34
18.80	0.32	6,795	199.33	0.34
18.90	0.32	6,791	199.33	0.33
19.00	0.32	6,786	199.33	0.33
19.10	0.32	6,783	199.33	0.33
19.20	0.31	6,779	199.33	0.32
19.30	0.31	6,775	199.32	0.32
19.40	0.31	6,772	199.32	0.32
19.50	0.31	6,769	199.32	0.32
19.60	0.31	6,765	199.32	0.32
19.70	0.30	6,762	199.32	0.31
19.80	0.30	6,759	199.32	0.31
19.90	0.30	6,757	199.32	0.31
20.00	0.30	6,753	199.32	0.31
20.10	0.30	6,750	199.32	0.30
20.20	0.29	6,747	199.32	0.30
20.30	0.29	6,744	199.32	0.30
20.40	0.29	6,741	199.32	0.30
20.50	0.29	6,738	199.32	0.30
20.60	0.29	6,735	199.32	0.29
20.70	0.28	6,732	199.32	0.29

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.28	6,729	199.32	0.29
20.90	0.28	6,726	199.32	0.29
21.00	0.28	6,723	199.31	0.29
21.10	0.28	6,720	199.31	0.28
21.20	0.27	6,717	199.31	0.28
21.30	0.27	6,714	199.31	0.28
21.40	0.27	6,711	199.31	0.28
21.50	0.27	6,708	199.31	0.28
21.60	0.27	6,705	199.31	0.27
21.70	0.26	6,702	199.31	0.27
21.80	0.26	6,699	199.31	0.27
21.90	0.26	6,696	199.31	0.27
22.00	0.26	6,693	199.31	0.27
22.10	0.25	6,690	199.31	0.26
22.20	0.25	6,687	199.31	0.26
22.30	0.25	6,685	199.31	0.26
22.40	0.25	6,681	199.31	0.26
22.50	0.25	6,678	199.31	0.25
22.60	0.25	6,675	199.31	0.25
22.70	0.24	6,673	199.30	0.25
22.80	0.24	6,669	199.30	0.25
22.90	0.24	6,666	199.30	0.25
23.00	0.24	6,663	199.30	0.24
23.10	0.23	6,660	199.30	0.24
23.20	0.23	6,657	199.30	0.24
23.30	0.23	6,654	199.30	0.24
23.40	0.23	6,651	199.30	0.24
23.50	0.23	6,648	199.30	0.23
23.60	0.22	6,645	199.30	0.23
23.70	0.22	6,642	199.30	0.23
23.80	0.22	6,639	199.30	0.23
23.90	0.22	6,635	199.30	0.23
24.00	0.25	6,639	199.30	0.23
24.10	0.07	6,613	199.29	0.21
24.20	0.02	6,555	199.28	0.18
24.30	0.00	6,497	199.27	0.15
24.40	0.00	6,448	199.26	0.12
24.50	0.00	6,407	199.25	0.10
24.60	0.00	6,373	199.25	0.09
24.70	0.00	6,344	199.24	0.08
24.80	0.00	6,317	199.24	0.07
24.90	0.00	6,294	199.23	0.06
25.00	0.00	6,274	199.23	0.05
25.10	0.00	6,256	199.22	0.05
25.20	0.00	6,240	199.22	0.04
25.30	0.00	6,225	199.22	0.04
25.40	0.00	6,213	199.21	0.03
25.50	0.00	6,202	199.21	0.03
25.60	0.00	6,192	199.21	0.03
25.70	0.00	6,184	199.21	0.02
25.80	0.00	6,176	199.21	0.02
25.90	0.00	6,169	199.21	0.02

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	6,163	199.21	0.02
26.10	0.00	6,158	199.20	0.01
26.20	0.00	6,153	199.20	0.01
26.30	0.00	6,149	199.20	0.01
26.40	0.00	6,146	199.20	0.01
26.50	0.00	6,142	199.20	0.01
26.60	0.00	6,140	199.20	0.01
26.70	0.00	6,137	199.20	0.01
26.80	0.00	6,135	199.20	0.01
26.90	0.00	6,133	199.20	0.01
27.00	0.00	6,131	199.20	0.01
27.10	0.00	6,129	199.20	0.01
27.20	0.00	6,127	199.20	0.01
27.30	0.00	6,125	199.20	0.00
27.40	0.00	6,123	199.20	0.00
27.50	0.00	6,121	199.20	0.00
27.60	0.00	6,120	199.20	0.00
27.70	0.00	6,118	199.20	0.00
27.80	0.00	6,117	199.20	0.00
27.90	0.00	6,116	199.20	0.00
28.00	0.00	6,114	199.20	0.00
28.10	0.00	6,113	199.20	0.00
28.20	0.00	6,112	199.20	0.00
28.30	0.00	6,111	199.19	0.00
28.40	0.00	6,110	199.19	0.00
28.50	0.00	6,108	199.19	0.00
28.60	0.00	6,107	199.19	0.00
28.70	0.00	6,106	199.19	0.00
28.80	0.00	6,106	199.19	0.00
28.90	0.00	6,105	199.19	0.00
29.00	0.00	6,104	199.19	0.00
29.10	0.00	6,103	199.19	0.00
29.20	0.00	6,102	199.19	0.00
29.30	0.00	6,102	199.19	0.00
29.40	0.00	6,101	199.19	0.00
29.50	0.00	6,100	199.19	0.00
29.60	0.00	6,100	199.19	0.00
29.70	0.00	6,099	199.19	0.00
29.80	0.00	6,098	199.19	0.00
29.90	0.00	6,098	199.19	0.00
30.00	0.00	6,097	199.19	0.00
30.10	0.00	6,097	199.19	0.00
30.20	0.00	6,096	199.19	0.00
30.30	0.00	6,096	199.19	0.00
30.40	0.00	6,095	199.19	0.00
30.50	0.00	6,095	199.19	0.00
30.60	0.00	6,094	199.19	0.00
30.70	0.00	6,094	199.19	0.00
30.80	0.00	6,094	199.19	0.00
30.90	0.00	6,093	199.19	0.00
31.00	0.00	6,093	199.19	0.00
31.10	0.00	6,093	199.19	0.00

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	6,092	199.19	0.00
31.30	0.00	6,092	199.19	0.00
31.40	0.00	6,092	199.19	0.00
31.50	0.00	6,092	199.19	0.00
31.60	0.00	6,091	199.19	0.00
31.70	0.00	6,091	199.19	0.00
31.80	0.00	6,091	199.19	0.00
31.90	0.00	6,091	199.19	0.00
32.00	0.00	6,090	199.19	0.00
32.10	0.00	6,090	199.19	0.00
32.20	0.00	6,090	199.19	0.00
32.30	0.00	6,090	199.19	0.00
32.40	0.00	6,090	199.19	0.00
32.50	0.00	6,089	199.19	0.00
32.60	0.00	6,089	199.19	0.00
32.70	0.00	6,089	199.19	0.00
32.80	0.00	6,089	199.19	0.00
32.90	0.00	6,089	199.19	0.00
33.00	0.00	6,089	199.19	0.00
33.10	0.00	6,089	199.19	0.00
33.20	0.00	6,088	199.19	0.00
33.30	0.00	6,088	199.19	0.00
33.40	0.00	6,088	199.19	0.00
33.50	0.00	6,088	199.19	0.00
33.60	0.00	6,088	199.19	0.00
33.70	0.00	6,088	199.19	0.00
33.80	0.00	6,088	199.19	0.00
33.90	0.00	6,088	199.19	0.00
34.00	0.00	6,088	199.19	0.00
34.10	0.00	6,087	199.19	0.00
34.20	0.00	6,087	199.19	0.00
34.30	0.00	6,087	199.19	0.00
34.40	0.00	6,087	199.19	0.00
34.50	0.00	6,087	199.19	0.00
34.60	0.00	6,087	199.19	0.00
34.70	0.00	6,087	199.19	0.00
34.80	0.00	6,087	199.19	0.00
34.90	0.00	6,087	199.19	0.00
35.00	0.00	6,087	199.19	0.00
35.10	0.00	6,087	199.19	0.00
35.20	0.00	6,087	199.19	0.00
35.30	0.00	6,087	199.19	0.00
35.40	0.00	6,087	199.19	0.00
35.50	0.00	6,087	199.19	0.00
35.60	0.00	6,087	199.19	0.00
35.70	0.00	6,087	199.19	0.00
35.80	0.00	6,087	199.19	0.00
35.90	0.00	6,086	199.19	0.00
36.00	0.00	6,086	199.19	0.00
36.10	0.00	6,086	199.19	0.00
36.20	0.00	6,086	199.19	0.00
36.30	0.00	6,086	199.19	0.00

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	6,086	199.19	0.00
36.50	0.00	6,086	199.19	0.00
36.60	0.00	6,086	199.19	0.00
36.70	0.00	6,086	199.19	0.00
36.80	0.00	6,086	199.19	0.00
36.90	0.00	6,086	199.19	0.00
37.00	0.00	6,086	199.19	0.00
37.10	0.00	6,086	199.19	0.00
37.20	0.00	6,086	199.19	0.00
37.30	0.00	6,086	199.19	0.00
37.40	0.00	6,086	199.19	0.00
37.50	0.00	6,086	199.19	0.00
37.60	0.00	6,086	199.19	0.00
37.70	0.00	6,086	199.19	0.00
37.80	0.00	6,086	199.19	0.00
37.90	0.00	6,086	199.19	0.00
38.00	0.00	6,086	199.19	0.00
38.10	0.00	6,086	199.19	0.00
38.20	0.00	6,086	199.19	0.00
38.30	0.00	6,086	199.19	0.00
38.40	0.00	6,086	199.19	0.00
38.50	0.00	6,086	199.19	0.00
38.60	0.00	6,086	199.19	0.00
38.70	0.00	6,086	199.19	0.00
38.80	0.00	6,086	199.19	0.00
38.90	0.00	6,086	199.19	0.00
39.00	0.00	6,086	199.19	0.00
39.10	0.00	6,086	199.19	0.00
39.20	0.00	6,086	199.19	0.00
39.30	0.00	6,086	199.19	0.00
39.40	0.00	6,086	199.19	0.00
39.50	0.00	6,086	199.19	0.00
39.60	0.00	6,086	199.19	0.00
39.70	0.00	6,086	199.19	0.00
39.80	0.00	6,086	199.19	0.00
39.90	0.00	6,086	199.19	0.00
40.00	0.00	6,086	199.19	0.00

Stage-Discharge for Pond B-54: Basin #54

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
198.00	0.00	198.52	0.00	199.04	0.00	199.56	1.40
198.01	0.00	198.53	0.00	199.05	0.00	199.57	1.44
198.02	0.00	198.54	0.00	199.06	0.00	199.58	1.48
198.03	0.00	198.55	0.00	199.07	0.00	199.59	1.51
198.04	0.00	198.56	0.00	199.08	0.00	199.60	1.55
198.05	0.00	198.57	0.00	199.09	0.00	199.61	1.58
198.06	0.00	198.58	0.00	199.10	0.00	199.62	1.62
198.07	0.00	198.59	0.00	199.11	0.00	199.63	1.65
198.08	0.00	198.60	0.00	199.12	0.00	199.64	1.68
198.09	0.00	198.61	0.00	199.13	0.00	199.65	1.71
198.10	0.00	198.62	0.00	199.14	0.00	199.66	1.74
198.11	0.00	198.63	0.00	199.15	0.00	199.67	1.77
198.12	0.00	198.64	0.00	199.16	0.00	199.68	1.80
198.13	0.00	198.65	0.00	199.17	0.00	199.69	1.83
198.14	0.00	198.66	0.00	199.18	0.00	199.70	1.86
198.15	0.00	198.67	0.00	199.19	0.00	199.71	1.89
198.16	0.00	198.68	0.00	199.20	0.01	199.72	1.92
198.17	0.00	198.69	0.00	199.21	0.02	199.73	1.94
198.18	0.00	198.70	0.00	199.22	0.03	199.74	1.97
198.19	0.00	198.71	0.00	199.23	0.05	199.75	2.00
198.20	0.00	198.72	0.00	199.24	0.07	199.76	2.02
198.21	0.00	198.73	0.00	199.25	0.09	199.77	2.05
198.22	0.00	198.74	0.00	199.26	0.12	199.78	2.07
198.23	0.00	198.75	0.00	199.27	0.15	199.79	2.10
198.24	0.00	198.76	0.00	199.28	0.17	199.80	2.12
198.25	0.00	198.77	0.00	199.29	0.20	199.81	2.15
198.26	0.00	198.78	0.00	199.30	0.23	199.82	2.17
198.27	0.00	198.79	0.00	199.31	0.27	199.83	2.20
198.28	0.00	198.80	0.00	199.32	0.30	199.84	2.22
198.29	0.00	198.81	0.00	199.33	0.34	199.85	2.24
198.30	0.00	198.82	0.00	199.34	0.37	199.86	2.27
198.31	0.00	198.83	0.00	199.35	0.41	199.87	2.29
198.32	0.00	198.84	0.00	199.36	0.45	199.88	2.31
198.33	0.00	198.85	0.00	199.37	0.49	199.89	2.33
198.34	0.00	198.86	0.00	199.38	0.53	199.90	2.36
198.35	0.00	198.87	0.00	199.39	0.57	199.91	2.38
198.36	0.00	198.88	0.00	199.40	0.62	199.92	2.40
198.37	0.00	198.89	0.00	199.41	0.66	199.93	2.42
198.38	0.00	198.90	0.00	199.42	0.71	199.94	2.44
198.39	0.00	198.91	0.00	199.43	0.75	199.95	2.46
198.40	0.00	198.92	0.00	199.44	0.80	199.96	2.49
198.41	0.00	198.93	0.00	199.45	0.85	199.97	2.51
198.42	0.00	198.94	0.00	199.46	0.90	199.98	2.53
198.43	0.00	198.95	0.00	199.47	0.95	199.99	2.55
198.44	0.00	198.96	0.00	199.48	1.00	200.00	2.57
198.45	0.00	198.97	0.00	199.49	1.05	200.01	2.59
198.46	0.00	198.98	0.00	199.50	1.11	200.02	2.61
198.47	0.00	198.99	0.00	199.51	1.16	200.03	2.63
198.48	0.00	199.00	0.00	199.52	1.22	200.04	2.65
198.49	0.00	199.01	0.00	199.53	1.27	200.05	2.67
198.50	0.00	199.02	0.00	199.54	1.32	200.06	2.69
198.51	0.00	199.03	0.00	199.55	1.36	200.07	2.70

Stage-Discharge for Pond B-54: Basin #54 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
200.08	2.72	200.60	3.58	201.12	4.26	201.64	5.92
200.09	2.74	200.61	3.59	201.13	4.27	201.65	6.02
200.10	2.76	200.62	3.61	201.14	4.29	201.66	6.12
200.11	2.78	200.63	3.62	201.15	4.30	201.67	6.22
200.12	2.80	200.64	3.63	201.16	4.31	201.68	6.32
200.13	2.82	200.65	3.65	201.17	4.32	201.69	6.42
200.14	2.84	200.66	3.66	201.18	4.33	201.70	6.53
200.15	2.85	200.67	3.68	201.19	4.34	201.71	6.63
200.16	2.87	200.68	3.69	201.20	4.36	201.72	6.74
200.17	2.89	200.69	3.70	201.21	4.37	201.73	6.85
200.18	2.91	200.70	3.72	201.22	4.38	201.74	6.97
200.19	2.93	200.71	3.73	201.23	4.39	201.75	7.08
200.20	2.94	200.72	3.75	201.24	4.40	201.76	7.20
200.21	2.96	200.73	3.76	201.25	4.42	201.77	7.32
200.22	2.98	200.74	3.77	201.26	4.43	201.78	7.43
200.23	3.00	200.75	3.79	201.27	4.44	201.79	7.56
200.24	3.01	200.76	3.80	201.28	4.45	201.80	7.68
200.25	3.03	200.77	3.81	201.29	4.46	201.81	7.80
200.26	3.05	200.78	3.83	201.30	4.47	201.82	7.93
200.27	3.06	200.79	3.84	201.31	4.48	201.83	8.05
200.28	3.08	200.80	3.85	201.32	4.50	201.84	8.18
200.29	3.10	200.81	3.87	201.33	4.51	201.85	8.31
200.30	3.11	200.82	3.88	201.34	4.52	201.86	8.44
200.31	3.13	200.83	3.89	201.35	4.53	201.87	8.57
200.32	3.15	200.84	3.91	201.36	4.54	201.88	8.71
200.33	3.16	200.85	3.92	201.37	4.55	201.89	8.84
200.34	3.18	200.86	3.93	201.38	4.56	201.90	8.98
200.35	3.20	200.87	3.95	201.39	4.58	201.91	9.12
200.36	3.21	200.88	3.96	201.40	4.59	201.92	9.25
200.37	3.23	200.89	3.97	201.41	4.60	201.93	9.39
200.38	3.24	200.90	3.99	201.42	4.61	201.94	9.53
200.39	3.26	200.91	4.00	201.43	4.62	201.95	9.68
200.40	3.28	200.92	4.01	201.44	4.63	201.96	9.82
200.41	3.29	200.93	4.02	201.45	4.64	201.97	9.97
200.42	3.31	200.94	4.04	201.46	4.67	201.98	10.11
200.43	3.32	200.95	4.05	201.47	4.70	201.99	10.26
200.44	3.34	200.96	4.06	201.48	4.74	202.00	10.41
200.45	3.35	200.97	4.08	201.49	4.79	202.01	10.56
200.46	3.37	200.98	4.09	201.50	4.84	202.02	10.71
200.47	3.38	200.99	4.10	201.51	4.90	202.03	10.86
200.48	3.40	201.00	4.11	201.52	4.96	202.04	11.01
200.49	3.41	201.01	4.13	201.53	5.03	202.05	11.16
200.50	3.43	201.02	4.14	201.54	5.09	202.06	11.32
200.51	3.44	201.03	4.15	201.55	5.16	202.07	11.47
200.52	3.46	201.04	4.16	201.56	5.24	202.08	11.63
200.53	3.47	201.05	4.18	201.57	5.31	202.09	11.79
200.54	3.49	201.06	4.19	201.58	5.39	202.10	11.95
200.55	3.50	201.07	4.20	201.59	5.48	202.11	12.11
200.56	3.52	201.08	4.21	201.60	5.56	202.12	12.27
200.57	3.53	201.09	4.22	201.61	5.65	202.13	12.43
200.58	3.55	201.10	4.24	201.62	5.74	202.14	12.59
200.59	3.56	201.11	4.25	201.63	5.83	202.15	12.76

Stage-Discharge for Pond B-54: Basin #54 (continued)

Elevation (feet)	Primary (cfs)
202.16	12.92
202.17	13.09
202.18	13.25
202.19	13.42
202.20	13.59
202.21	13.76
202.22	13.93
202.23	14.10
202.24	14.27
202.25	14.44
202.26	14.62
202.27	14.79
202.28	14.97
202.29	15.14
202.30	15.32
202.31	15.50
202.32	15.68
202.33	15.86
202.34	16.04
202.35	16.22
202.36	16.40
202.37	16.58
202.38	16.77
202.39	16.95
202.40	17.14
202.41	17.32
202.42	17.51
202.43	17.69
202.44	17.88
202.45	18.07
202.46	18.26
202.47	18.45
202.48	18.64
202.49	18.83
202.50	19.02
202.51	19.33
202.52	19.74
202.53	20.21
202.54	20.74
202.55	21.31
202.56	21.92
202.57	22.56
202.58	23.24
202.59	23.96
202.60	24.70
202.61	25.47
202.62	26.27
202.63	27.10
202.64	27.96
202.65	28.83
202.66	29.74
202.67	30.66
202.68	31.61
202.69	32.58
202.70	33.57
202.71	34.62
202.72	35.70
202.73	36.81
202.74	37.94
202.75	39.09
202.76	40.28
202.77	41.48
202.78	42.72
202.79	43.97
202.80	45.26
202.81	46.56
202.82	47.90
202.83	49.26
202.84	50.64
202.85	52.05
202.86	53.48
202.87	54.94
202.88	56.42
202.89	57.92
202.90	59.45
202.91	61.04
202.92	62.65
202.93	64.28
202.94	65.94
202.95	67.63
202.96	69.35
202.97	71.09
202.98	72.86
202.99	74.65
203.00	**76.48**

Stage-Area-Storage for Pond B-54: Basin #54

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
198.00	**5,114**	0	198.52	5,114	2,659
198.01	5,114	51	198.53	5,114	2,710
198.02	5,114	102	198.54	5,114	2,762
198.03	5,114	153	198.55	5,114	2,813
198.04	5,114	205	198.56	5,114	2,864
198.05	5,114	256	198.57	5,114	2,915
198.06	5,114	307	198.58	5,114	2,966
198.07	5,114	358	198.59	5,114	3,017
198.08	5,114	409	198.60	5,114	3,068
198.09	5,114	460	198.61	5,114	3,120
198.10	5,114	511	198.62	5,114	3,171
198.11	5,114	563	198.63	5,114	3,222
198.12	5,114	614	198.64	5,114	3,273
198.13	5,114	665	198.65	5,114	3,324
198.14	5,114	716	198.66	5,114	3,375
198.15	5,114	767	198.67	5,114	3,426
198.16	5,114	818	198.68	5,114	3,478
198.17	5,114	869	198.69	5,114	3,529
198.18	5,114	921	198.70	5,114	3,580
198.19	5,114	972	198.71	5,114	3,631
198.20	5,114	1,023	198.72	5,114	3,682
198.21	5,114	1,074	198.73	5,114	3,733
198.22	5,114	1,125	198.74	5,114	3,784
198.23	5,114	1,176	198.75	5,114	3,836
198.24	5,114	1,227	198.76	5,114	3,887
198.25	5,114	1,279	198.77	5,114	3,938
198.26	5,114	1,330	198.78	5,114	3,989
198.27	5,114	1,381	198.79	5,114	4,040
198.28	5,114	1,432	198.80	5,114	4,091
198.29	5,114	1,483	198.81	5,114	4,142
198.30	5,114	1,534	198.82	5,114	4,193
198.31	5,114	1,585	198.83	5,114	4,245
198.32	5,114	1,636	198.84	5,114	4,296
198.33	5,114	1,688	198.85	5,114	4,347
198.34	5,114	1,739	198.86	5,114	4,398
198.35	5,114	1,790	198.87	5,114	4,449
198.36	5,114	1,841	198.88	5,114	4,500
198.37	5,114	1,892	198.89	5,114	4,551
198.38	5,114	1,943	198.90	5,114	4,603
198.39	5,114	1,994	198.91	5,114	4,654
198.40	5,114	2,046	198.92	5,114	4,705
198.41	5,114	2,097	198.93	5,114	4,756
198.42	5,114	2,148	198.94	5,114	4,807
198.43	5,114	2,199	198.95	5,114	4,858
198.44	5,114	2,250	198.96	5,114	4,909
198.45	5,114	2,301	198.97	5,114	4,961
198.46	5,114	2,352	198.98	5,114	5,012
198.47	5,114	2,404	198.99	5,114	5,063
198.48	5,114	2,455	199.00	5,114	5,114
198.49	5,114	2,506	199.01	5,114	5,165
198.50	5,114	2,557	199.02	5,114	5,216
198.51	5,114	2,608	199.03	5,114	5,267

Stage-Area-Storage for Pond B-54: Basin #54 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
199.04	5,114	5,319	199.56	5,114	7,978
199.05	5,114	5,370	199.57	5,114	8,029
199.06	5,114	5,421	199.58	5,114	8,080
199.07	5,114	5,472	199.59	5,114	8,131
199.08	5,114	5,523	199.60	5,114	8,182
199.09	5,114	5,574	199.61	5,114	8,234
199.10	5,114	5,625	199.62	5,114	8,285
199.11	5,114	5,677	199.63	5,114	8,336
199.12	5,114	5,728	199.64	5,114	8,387
199.13	5,114	5,779	199.65	5,114	8,438
199.14	5,114	5,830	199.66	5,114	8,489
199.15	5,114	5,881	199.67	5,114	8,540
199.16	5,114	5,932	199.68	5,114	8,592
199.17	5,114	5,983	199.69	5,114	8,643
199.18	5,114	6,035	199.70	5,114	8,694
199.19	5,114	6,086	199.71	5,114	8,745
199.20	5,114	6,137	199.72	5,114	8,796
199.21	5,114	6,188	199.73	5,114	8,847
199.22	5,114	6,239	199.74	5,114	8,898
199.23	5,114	6,290	199.75	5,114	8,950
199.24	5,114	6,341	199.76	5,114	9,001
199.25	5,114	6,393	199.77	5,114	9,052
199.26	5,114	6,444	199.78	5,114	9,103
199.27	5,114	6,495	199.79	5,114	9,154
199.28	5,114	6,546	199.80	5,114	9,205
199.29	5,114	6,597	199.81	5,114	9,256
199.30	5,114	6,648	199.82	5,114	9,307
199.31	5,114	6,699	199.83	5,114	9,359
199.32	5,114	6,750	199.84	5,114	9,410
199.33	5,114	6,802	199.85	5,114	9,461
199.34	5,114	6,853	199.86	5,114	9,512
199.35	5,114	6,904	199.87	5,114	9,563
199.36	5,114	6,955	199.88	5,114	9,614
199.37	5,114	7,006	199.89	5,114	9,665
199.38	5,114	7,057	199.90	5,114	9,717
199.39	5,114	7,108	199.91	5,114	9,768
199.40	5,114	7,160	199.92	5,114	9,819
199.41	5,114	7,211	199.93	5,114	9,870
199.42	5,114	7,262	199.94	5,114	9,921
199.43	5,114	7,313	199.95	5,114	9,972
199.44	5,114	7,364	199.96	5,114	10,023
199.45	5,114	7,415	199.97	5,114	10,075
199.46	5,114	7,466	199.98	5,114	10,126
199.47	5,114	7,518	199.99	5,114	10,177
199.48	5,114	7,569	200.00	5,114	10,228
199.49	5,114	7,620	200.01	5,114	10,279
199.50	5,114	7,671	200.02	5,114	10,330
199.51	5,114	7,722	200.03	5,114	10,381
199.52	5,114	7,773	200.04	5,114	10,433
199.53	5,114	7,824	200.05	5,114	10,484
199.54	5,114	7,876	200.06	5,114	10,535
199.55	5,114	7,927	200.07	5,114	10,586

Stage-Area-Storage for Pond B-54: Basin #54 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
200.08	5,114	10,637	200.60	5,114	13,296
200.09	5,114	10,688	200.61	5,114	13,348
200.10	5,114	10,739	200.62	5,114	13,399
200.11	5,114	10,791	200.63	5,114	13,450
200.12	5,114	10,842	200.64	5,114	13,501
200.13	5,114	10,893	200.65	5,114	13,552
200.14	5,114	10,944	200.66	5,114	13,603
200.15	5,114	10,995	200.67	5,114	13,654
200.16	5,114	11,046	200.68	5,114	13,706
200.17	5,114	11,097	200.69	5,114	13,757
200.18	5,114	11,149	200.70	5,114	13,808
200.19	5,114	11,200	200.71	5,114	13,859
200.20	5,114	11,251	200.72	5,114	13,910
200.21	5,114	11,302	200.73	5,114	13,961
200.22	5,114	11,353	200.74	5,114	14,012
200.23	5,114	11,404	200.75	5,114	14,064
200.24	5,114	11,455	200.76	5,114	14,115
200.25	5,114	11,507	200.77	5,114	14,166
200.26	5,114	11,558	200.78	5,114	14,217
200.27	5,114	11,609	200.79	5,114	14,268
200.28	5,114	11,660	200.80	5,114	14,319
200.29	5,114	11,711	200.81	5,114	14,370
200.30	5,114	11,762	200.82	5,114	14,421
200.31	5,114	11,813	200.83	5,114	14,473
200.32	5,114	11,864	200.84	5,114	14,524
200.33	5,114	11,916	200.85	5,114	14,575
200.34	5,114	11,967	200.86	5,114	14,626
200.35	5,114	12,018	200.87	5,114	14,677
200.36	5,114	12,069	200.88	5,114	14,728
200.37	5,114	12,120	200.89	5,114	14,779
200.38	5,114	12,171	200.90	5,114	14,831
200.39	5,114	12,222	200.91	5,114	14,882
200.40	5,114	12,274	200.92	5,114	14,933
200.41	5,114	12,325	200.93	5,114	14,984
200.42	5,114	12,376	200.94	5,114	15,035
200.43	5,114	12,427	200.95	5,114	15,086
200.44	5,114	12,478	200.96	5,114	15,137
200.45	5,114	12,529	200.97	5,114	15,189
200.46	5,114	12,580	200.98	5,114	15,240
200.47	5,114	12,632	200.99	5,114	15,291
200.48	5,114	12,683	201.00	5,114	15,342
200.49	5,114	12,734	201.01	5,114	15,393
200.50	5,114	12,785	201.02	5,114	15,444
200.51	5,114	12,836	201.03	5,114	15,495
200.52	5,114	12,887	201.04	5,114	15,547
200.53	5,114	12,938	201.05	5,114	15,598
200.54	5,114	12,990	201.06	5,114	15,649
200.55	5,114	13,041	201.07	5,114	15,700
200.56	5,114	13,092	201.08	5,114	15,751
200.57	5,114	13,143	201.09	5,114	15,802
200.58	5,114	13,194	201.10	5,114	15,853
200.59	5,114	13,245	201.11	5,114	15,905

Stage-Area-Storage for Pond B-54: Basin #54 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
201.12	5,114	15,956	201.64	5,114	18,615
201.13	5,114	16,007	201.65	5,114	18,666
201.14	5,114	16,058	201.66	5,114	18,717
201.15	5,114	16,109	201.67	5,114	18,768
201.16	5,114	16,160	201.68	5,114	18,820
201.17	5,114	16,211	201.69	5,114	18,871
201.18	5,114	16,263	201.70	5,114	18,922
201.19	5,114	16,314	201.71	5,114	18,973
201.20	5,114	16,365	201.72	5,114	19,024
201.21	5,114	16,416	201.73	5,114	19,075
201.22	5,114	16,467	201.74	5,114	19,126
201.23	5,114	16,518	201.75	5,114	19,178
201.24	5,114	16,569	201.76	5,114	19,229
201.25	5,114	16,621	201.77	5,114	19,280
201.26	5,114	16,672	201.78	5,114	19,331
201.27	5,114	16,723	201.79	5,114	19,382
201.28	5,114	16,774	201.80	5,114	19,433
201.29	5,114	16,825	201.81	5,114	19,484
201.30	5,114	16,876	201.82	5,114	19,535
201.31	5,114	16,927	201.83	5,114	19,587
201.32	5,114	16,978	201.84	5,114	19,638
201.33	5,114	17,030	201.85	5,114	19,689
201.34	5,114	17,081	201.86	5,114	19,740
201.35	5,114	17,132	201.87	5,114	19,791
201.36	5,114	17,183	201.88	5,114	19,842
201.37	5,114	17,234	201.89	5,114	19,893
201.38	5,114	17,285	201.90	5,114	19,945
201.39	5,114	17,336	201.91	5,114	19,996
201.40	5,114	17,388	201.92	5,114	20,047
201.41	5,114	17,439	201.93	5,114	20,098
201.42	5,114	17,490	201.94	5,114	20,149
201.43	5,114	17,541	201.95	5,114	20,200
201.44	5,114	17,592	201.96	5,114	20,251
201.45	5,114	17,643	201.97	5,114	20,303
201.46	5,114	17,694	201.98	5,114	20,354
201.47	5,114	17,746	201.99	5,114	20,405
201.48	5,114	17,797	202.00	5,114	20,456
201.49	5,114	17,848	202.01	5,114	20,507
201.50	5,114	17,899	202.02	5,114	20,558
201.51	5,114	17,950	202.03	5,114	20,609
201.52	5,114	18,001	202.04	5,114	20,661
201.53	5,114	18,052	202.05	5,114	20,712
201.54	5,114	18,104	202.06	5,114	20,763
201.55	5,114	18,155	202.07	5,114	20,814
201.56	5,114	18,206	202.08	5,114	20,865
201.57	5,114	18,257	202.09	5,114	20,916
201.58	5,114	18,308	202.10	5,114	20,967
201.59	5,114	18,359	202.11	5,114	21,019
201.60	5,114	18,410	202.12	5,114	21,070
201.61	5,114	18,462	202.13	5,114	21,121
201.62	5,114	18,513	202.14	5,114	21,172
201.63	5,114	18,564	202.15	5,114	21,223

Stage-Area-Storage for Pond B-54: Basin #54 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
202.16	5,114	21,274
202.17	5,114	21,325
202.18	5,114	21,377
202.19	5,114	21,428
202.20	5,114	21,479
202.21	5,114	21,530
202.22	5,114	21,581
202.23	5,114	21,632
202.24	5,114	21,683
202.25	5,114	21,735
202.26	5,114	21,786
202.27	5,114	21,837
202.28	5,114	21,888
202.29	5,114	21,939
202.30	5,114	21,990
202.31	5,114	22,041
202.32	5,114	22,092
202.33	5,114	22,144
202.34	5,114	22,195
202.35	5,114	22,246
202.36	5,114	22,297
202.37	5,114	22,348
202.38	5,114	22,399
202.39	5,114	22,450
202.40	5,114	22,502
202.41	5,114	22,553
202.42	5,114	22,604
202.43	5,114	22,655
202.44	5,114	22,706
202.45	5,114	22,757
202.46	5,114	22,808
202.47	5,114	22,860
202.48	5,114	22,911
202.49	5,114	22,962
202.50	5,114	23,013
202.51	5,114	23,064
202.52	5,114	23,115
202.53	5,114	23,166
202.54	5,114	23,218
202.55	5,114	23,269
202.56	5,114	23,320
202.57	5,114	23,371
202.58	5,114	23,422
202.59	5,114	23,473
202.60	5,114	23,524
202.61	5,114	23,576
202.62	5,114	23,627
202.63	5,114	23,678
202.64	5,114	23,729
202.65	5,114	23,780
202.66	5,114	23,831
202.67	5,114	23,882
202.68	5,114	23,934
202.69	5,114	23,985
202.70	5,114	24,036
202.71	5,114	24,087
202.72	5,114	24,138
202.73	5,114	24,189
202.74	5,114	24,240
202.75	5,114	24,292
202.76	5,114	24,343
202.77	5,114	24,394
202.78	5,114	24,445
202.79	5,114	24,496
202.80	5,114	24,547
202.81	5,114	24,598
202.82	5,114	24,649
202.83	5,114	24,701
202.84	5,114	24,752
202.85	5,114	24,803
202.86	5,114	24,854
202.87	5,114	24,905
202.88	5,114	24,956
202.89	5,114	25,007
202.90	5,114	25,059
202.91	5,114	25,110
202.92	5,114	25,161
202.93	5,114	25,212
202.94	5,114	25,263
202.95	5,114	25,314
202.96	5,114	25,365
202.97	5,114	25,417
202.98	5,114	25,468
202.99	5,114	25,519
203.00	5,114	**25,570**

Summary for Pond B-55: Basin #55

Inflow Area = 2.301 ac, 47.33% Impervious, Inflow Depth = 6.68" for Current 100 yr event
Inflow = 20.03 cfs @ 12.08 hrs, Volume= 1.282 af
Outflow = 11.73 cfs @ 12.15 hrs, Volume= 1.180 af, Atten= 41%, Lag= 4.2 min
Primary = 11.73 cfs @ 12.15 hrs, Volume= 1.180 af
Routed to Pond B-51 : Basin #51

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 194.93' @ 12.15 hrs Surf.Area= 5,745 sf Storage= 14,597 cf

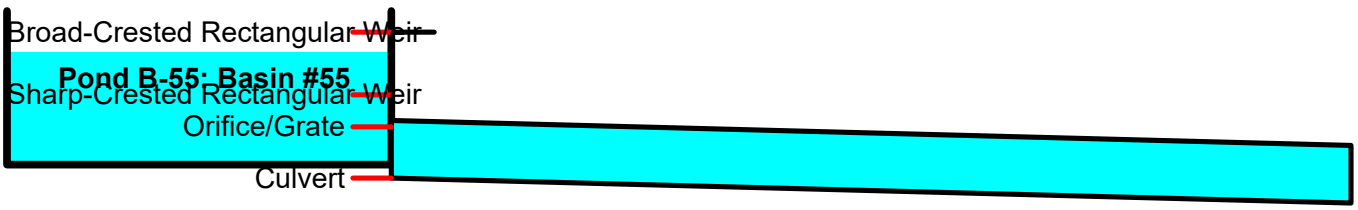
Plug-Flow detention time= 105.1 min calculated for 1.179 af (92% of inflow)
Center-of-Mass det. time= 62.5 min (832.2 - 769.7)

Volume	Invert	Avail.Storage	Storage Description
#1	192.00'	21,076 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

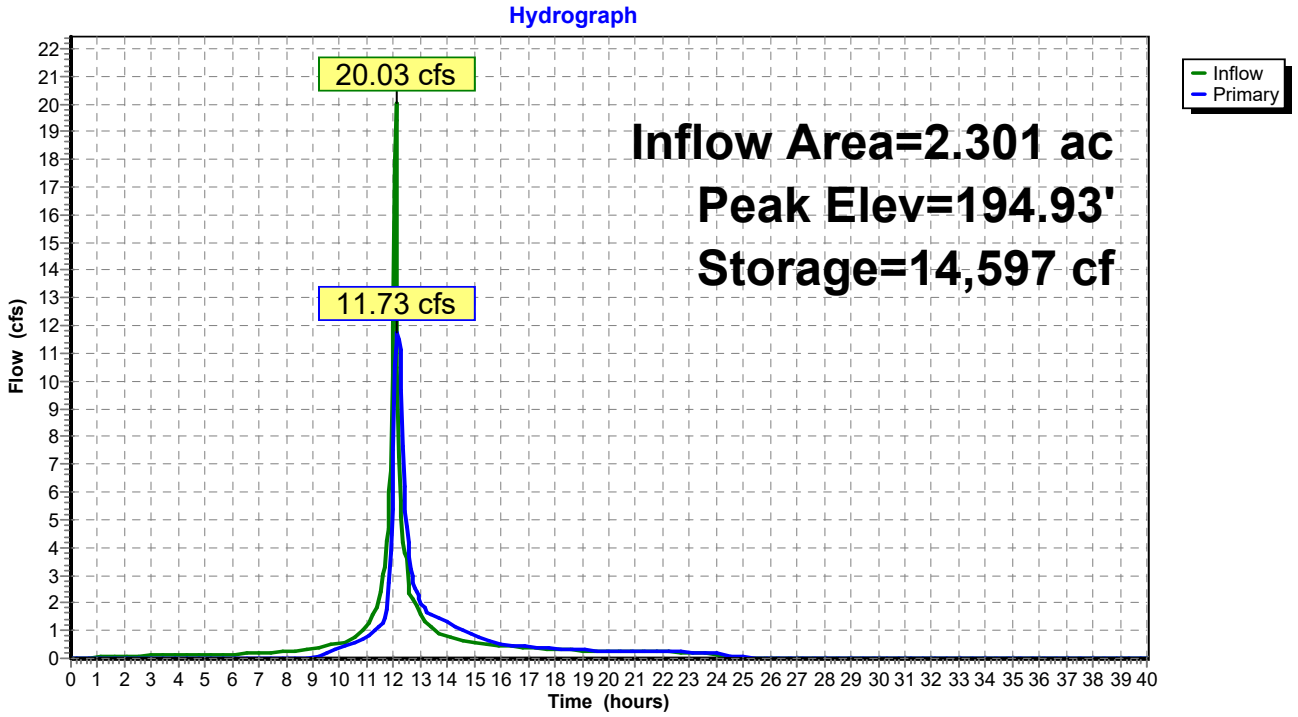
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
192.00	4,250	0	0
193.00	4,746	4,498	4,498
194.00	5,257	5,002	9,500
195.00	5,784	5,521	15,020
196.00	6,327	6,056	21,076

Device	Routing	Invert	Outlet Devices
#1	Primary	191.65'	**18.0" Round Culvert** L= 112.0' Ke= 0.500 Inlet / Outlet Invert= 191.65' / 191.00' S= 0.0058 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	192.98'	**22.0" W x 2.5" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	193.82'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	195.45'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=11.72 cfs @ 12.15 hrs HW=194.92' (Free Discharge)
- **1=Culvert** (Barrel Controls 11.72 cfs @ 6.63 fps)
  - **2=Orifice/Grate** (Passes < 2.49 cfs potential flow)
  - **3=Sharp-Crested Rectangular Weir** (Passes < 14.30 cfs potential flow)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-55: Basin #55



Hydrograph for Pond B-55: Basin #55

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	192.00	0.00
0.10	0.00	0	192.00	0.00
0.20	0.00	0	192.00	0.00
0.30	0.00	0	192.00	0.00
0.40	0.00	0	192.00	0.00
0.50	0.00	0	192.00	0.00
0.60	0.01	2	192.00	0.00
0.70	0.02	7	192.00	0.00
0.80	0.02	14	192.00	0.00
0.90	0.03	23	192.01	0.00
1.00	0.03	35	192.01	0.00
1.10	0.04	49	192.01	0.00
1.20	0.04	64	192.02	0.00
1.30	0.05	81	192.02	0.00
1.40	0.05	100	192.02	0.00
1.50	0.06	120	192.03	0.00
1.60	0.06	141	192.03	0.00
1.70	0.06	164	192.04	0.00
1.80	0.07	188	192.04	0.00
1.90	0.07	213	192.05	0.00
2.00	0.07	239	192.06	0.00
2.10	0.08	266	192.06	0.00
2.20	0.08	294	192.07	0.00
2.30	0.08	323	192.08	0.00
2.40	0.08	353	192.08	0.00
2.50	0.09	384	192.09	0.00
2.60	0.09	416	192.10	0.00
2.70	0.09	448	192.10	0.00
2.80	0.09	481	192.11	0.00
2.90	0.10	515	192.12	0.00
3.00	0.10	550	192.13	0.00
3.10	0.10	585	192.14	0.00
3.20	0.10	621	192.14	0.00
3.30	0.10	658	192.15	0.00
3.40	0.10	695	192.16	0.00
3.50	0.11	733	192.17	0.00
3.60	0.11	772	192.18	0.00
3.70	0.11	811	192.19	0.00
3.80	0.11	850	192.20	0.00
3.90	0.11	891	192.21	0.00
4.00	0.11	931	192.22	0.00
4.10	0.12	973	192.23	0.00
4.20	0.12	1,015	192.24	0.00
4.30	0.12	1,057	192.25	0.00
4.40	0.12	1,100	192.26	0.00
4.50	0.12	1,143	192.26	0.00
4.60	0.12	1,187	192.27	0.00
4.70	0.12	1,232	192.29	0.00
4.80	0.13	1,277	192.30	0.00
4.90	0.13	1,322	192.31	0.00
5.00	0.13	1,368	192.32	0.00
5.10	0.13	1,414	192.33	0.00

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.13	1,461	192.34	0.00
5.30	0.13	1,508	192.35	0.00
5.40	0.13	1,555	192.36	0.00
5.50	0.13	1,604	192.37	0.00
5.60	0.14	1,652	192.38	0.00
5.70	0.14	1,701	192.39	0.00
5.80	0.14	1,750	192.40	0.00
5.90	0.14	1,800	192.41	0.00
6.00	0.14	1,850	192.42	0.00
6.10	0.14	1,902	192.44	0.00
6.20	0.15	1,954	192.45	0.00
6.30	0.15	2,008	192.46	0.00
6.40	0.16	2,064	192.47	0.00
6.50	0.16	2,122	192.49	0.00
6.60	0.17	2,181	192.50	0.00
6.70	0.17	2,243	192.51	0.00
6.80	0.18	2,306	192.53	0.00
6.90	0.19	2,372	192.54	0.00
7.00	0.19	2,440	192.56	0.00
7.10	0.20	2,510	192.57	0.00
7.20	0.20	2,582	192.59	0.00
7.30	0.21	2,656	192.60	0.00
7.40	0.22	2,733	192.62	0.00
7.50	0.22	2,811	192.64	0.00
7.60	0.23	2,892	192.66	0.00
7.70	0.23	2,975	192.67	0.00
7.80	0.24	3,061	192.69	0.00
7.90	0.25	3,149	192.71	0.00
8.00	0.25	3,239	192.73	0.00
8.10	0.26	3,332	192.75	0.00
8.20	0.27	3,427	192.77	0.00
8.30	0.27	3,525	192.79	0.00
8.40	0.28	3,625	192.81	0.00
8.50	0.29	3,728	192.84	0.00
8.60	0.29	3,833	192.86	0.00
8.70	0.30	3,941	192.88	0.00
8.80	0.31	4,051	192.91	0.00
8.90	0.32	4,164	192.93	0.00
9.00	0.33	4,280	192.95	0.00
9.10	0.34	4,401	192.98	0.00
9.20	0.37	4,524	193.01	0.03
9.30	0.39	4,643	193.03	0.07
9.40	0.41	4,753	193.05	0.12
9.50	0.43	4,852	193.07	0.17
9.60	0.45	4,940	193.09	0.22
9.70	0.48	5,018	193.11	0.27
9.80	0.50	5,087	193.12	0.32
9.90	0.52	5,148	193.14	0.36
10.00	0.55	5,202	193.15	0.40
10.10	0.57	5,252	193.16	0.44
10.20	0.60	5,297	193.17	0.48
10.30	0.62	5,340	193.18	0.51

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.65	5,380	193.18	0.54
10.50	0.68	5,418	193.19	0.57
10.60	0.76	5,467	193.20	0.61
10.70	0.84	5,533	193.22	0.64
10.80	0.93	5,615	193.23	0.69
10.90	1.02	5,711	193.25	0.74
11.00	1.12	5,822	193.27	0.79
11.10	1.28	5,963	193.30	0.85
11.20	1.45	6,140	193.34	0.92
11.30	1.63	6,353	193.38	1.00
11.40	1.81	6,602	193.43	1.08
11.50	2.00	6,882	193.49	1.17
11.60	3.06	7,388	193.59	1.31
11.70	3.35	8,046	193.72	1.46
11.80	4.67	8,945	193.89	1.92
11.90	6.75	10,045	194.10	3.80
12.00	11.97	11,579	194.39	7.54
12.10	**19.39**	**13,996**	**194.82**	**11.47**
12.20	7.29	**14,103**	**194.84**	**11.52**
12.30	5.14	12,333	194.53	9.68
12.40	3.81	11,080	194.30	6.22
12.50	3.55	10,461	194.18	4.72
12.60	2.36	9,968	194.09	3.64
12.70	2.19	9,605	194.02	2.94
12.80	2.00	9,371	193.98	2.54
12.90	1.81	9,191	193.94	2.25
13.00	1.62	9,031	193.91	2.03
13.10	1.43	8,877	193.88	1.84
13.20	1.33	8,733	193.85	1.70
13.30	1.23	8,598	193.83	1.60
13.40	1.12	8,451	193.80	1.55
13.50	1.02	8,279	193.77	1.52
13.60	0.92	8,086	193.73	1.47
13.70	0.89	7,888	193.69	1.43
13.80	0.86	7,697	193.65	1.38
13.90	0.84	7,513	193.61	1.34
14.00	0.81	7,335	193.58	1.29
14.10	0.78	7,164	193.55	1.25
14.20	0.76	7,000	193.51	1.20
14.30	0.73	6,842	193.48	1.16
14.40	0.70	6,691	193.45	1.11
14.50	0.68	6,547	193.42	1.06
14.60	0.65	6,409	193.39	1.02
14.70	0.62	6,278	193.37	0.97
14.80	0.60	6,153	193.34	0.93
14.90	0.57	6,036	193.32	0.88
15.00	0.54	5,924	193.30	0.84
15.10	0.51	5,820	193.27	0.79
15.20	0.51	5,727	193.26	0.75
15.30	0.50	5,645	193.24	0.71
15.40	0.49	5,576	193.22	0.67
15.50	0.48	5,517	193.21	0.63

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.48	5,467	193.20	0.61
15.70	0.47	5,425	193.19	0.57
15.80	0.46	5,390	193.19	0.55
15.90	0.46	5,362	193.18	0.53
16.00	0.45	5,339	193.18	0.51
16.10	0.44	5,319	193.17	0.49
16.20	0.44	5,302	193.17	0.48
16.30	0.43	5,286	193.16	0.47
16.40	0.42	5,272	193.16	0.46
16.50	0.41	5,259	193.16	0.45
16.60	0.41	5,247	193.16	0.44
16.70	0.40	5,236	193.15	0.43
16.80	0.39	5,225	193.15	0.42
16.90	0.38	5,214	193.15	0.41
17.00	0.38	5,203	193.15	0.41
17.10	0.37	5,193	193.15	0.40
17.20	0.36	5,183	193.14	0.39
17.30	0.35	5,172	193.14	0.38
17.40	0.35	5,162	193.14	0.37
17.50	0.34	5,152	193.14	0.37
17.60	0.33	5,142	193.13	0.36
17.70	0.33	5,132	193.13	0.35
17.80	0.32	5,122	193.13	0.35
17.90	0.31	5,112	193.13	0.34
18.00	0.30	5,102	193.13	0.33
18.10	0.30	5,092	193.12	0.32
18.20	0.30	5,083	193.12	0.32
18.30	0.29	5,076	193.12	0.31
18.40	0.29	5,070	193.12	0.31
18.50	0.29	5,064	193.12	0.30
18.60	0.29	5,059	193.12	0.30
18.70	0.29	5,055	193.12	0.30
18.80	0.28	5,051	193.12	0.30
18.90	0.28	5,047	193.11	0.29
19.00	0.28	5,043	193.11	0.29
19.10	0.28	5,040	193.11	0.29
19.20	0.28	5,036	193.11	0.29
19.30	0.28	5,033	193.11	0.28
19.40	0.27	5,030	193.11	0.28
19.50	0.27	5,027	193.11	0.28
19.60	0.27	5,024	193.11	0.28
19.70	0.27	5,021	193.11	0.28
19.80	0.27	5,018	193.11	0.27
19.90	0.26	5,015	193.11	0.27
20.00	0.26	5,012	193.11	0.27
20.10	0.26	5,009	193.11	0.27
20.20	0.26	5,006	193.11	0.27
20.30	0.26	5,003	193.11	0.27
20.40	0.26	5,000	193.11	0.26
20.50	0.25	4,997	193.10	0.26
20.60	0.25	4,995	193.10	0.26
20.70	0.25	4,992	193.10	0.26

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.25	4,989	193.10	0.26
20.90	0.25	4,986	193.10	0.25
21.00	0.24	4,983	193.10	0.25
21.10	0.24	4,980	193.10	0.25
21.20	0.24	4,977	193.10	0.25
21.30	0.24	4,975	193.10	0.25
21.40	0.24	4,972	193.10	0.25
21.50	0.24	4,969	193.10	0.24
21.60	0.23	4,966	193.10	0.24
21.70	0.23	4,963	193.10	0.24
21.80	0.23	4,961	193.10	0.24
21.90	0.23	4,958	193.10	0.24
22.00	0.23	4,955	193.10	0.23
22.10	0.22	4,952	193.10	0.23
22.20	0.22	4,949	193.09	0.23
22.30	0.22	4,946	193.09	0.23
22.40	0.22	4,943	193.09	0.23
22.50	0.22	4,940	193.09	0.23
22.60	0.22	4,938	193.09	0.22
22.70	0.21	4,935	193.09	0.22
22.80	0.21	4,932	193.09	0.22
22.90	0.21	4,929	193.09	0.22
23.00	0.21	4,926	193.09	0.22
23.10	0.21	4,924	193.09	0.21
23.20	0.20	4,920	193.09	0.21
23.30	0.20	4,917	193.09	0.21
23.40	0.20	4,915	193.09	0.21
23.50	0.20	4,912	193.09	0.21
23.60	0.20	4,909	193.09	0.20
23.70	0.20	4,906	193.09	0.20
23.80	0.19	4,903	193.09	0.20
23.90	0.19	4,901	193.08	0.20
24.00	0.22	4,907	193.09	0.20
24.10	0.00	4,868	193.08	0.18
24.20	0.00	4,809	193.07	0.15
24.30	0.00	4,760	193.05	0.12
24.40	0.00	4,719	193.05	0.10
24.50	0.00	4,685	193.04	0.09
24.60	0.00	4,657	193.03	0.07
24.70	0.00	4,631	193.03	0.07
24.80	0.00	4,609	193.02	0.06
24.90	0.00	4,590	193.02	0.05
25.00	0.00	4,573	193.02	0.04
25.10	0.00	4,558	193.01	0.04
25.20	0.00	4,545	193.01	0.03
25.30	0.00	4,533	193.01	0.03
25.40	0.00	4,523	193.01	0.03
25.50	0.00	4,515	193.00	0.02
25.60	0.00	4,507	193.00	0.02
25.70	0.00	4,500	193.00	0.02
25.80	0.00	4,494	193.00	0.02
25.90	0.00	4,489	193.00	0.02

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	4,483	193.00	0.01
26.10	0.00	4,479	193.00	0.01
26.20	0.00	4,474	192.99	0.01
26.30	0.00	4,470	192.99	0.01
26.40	0.00	4,466	192.99	0.01
26.50	0.00	4,462	192.99	0.01
26.60	0.00	4,458	192.99	0.01
26.70	0.00	4,455	192.99	0.01
26.80	0.00	4,452	192.99	0.01
26.90	0.00	4,449	192.99	0.01
27.00	0.00	4,446	192.99	0.01
27.10	0.00	4,443	192.99	0.01
27.20	0.00	4,441	192.99	0.01
27.30	0.00	4,438	192.99	0.01
27.40	0.00	4,436	192.99	0.01
27.50	0.00	4,434	192.99	0.01
27.60	0.00	4,432	192.99	0.01
27.70	0.00	4,431	192.99	0.00
27.80	0.00	4,429	192.99	0.00
27.90	0.00	4,427	192.99	0.00
28.00	0.00	4,426	192.98	0.00
28.10	0.00	4,424	192.98	0.00
28.20	0.00	4,423	192.98	0.00
28.30	0.00	4,422	192.98	0.00
28.40	0.00	4,421	192.98	0.00
28.50	0.00	4,420	192.98	0.00
28.60	0.00	4,419	192.98	0.00
28.70	0.00	4,418	192.98	0.00
28.80	0.00	4,417	192.98	0.00
28.90	0.00	4,416	192.98	0.00
29.00	0.00	4,415	192.98	0.00
29.10	0.00	4,414	192.98	0.00
29.20	0.00	4,414	192.98	0.00
29.30	0.00	4,413	192.98	0.00
29.40	0.00	4,413	192.98	0.00
29.50	0.00	4,412	192.98	0.00
29.60	0.00	4,411	192.98	0.00
29.70	0.00	4,411	192.98	0.00
29.80	0.00	4,410	192.98	0.00
29.90	0.00	4,410	192.98	0.00
30.00	0.00	4,410	192.98	0.00
30.10	0.00	4,409	192.98	0.00
30.20	0.00	4,409	192.98	0.00
30.30	0.00	4,408	192.98	0.00
30.40	0.00	4,408	192.98	0.00
30.50	0.00	4,408	192.98	0.00
30.60	0.00	4,408	192.98	0.00
30.70	0.00	4,407	192.98	0.00
30.80	0.00	4,407	192.98	0.00
30.90	0.00	4,407	192.98	0.00
31.00	0.00	4,407	192.98	0.00
31.10	0.00	4,406	192.98	0.00

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	4,406	192.98	0.00
31.30	0.00	4,406	192.98	0.00
31.40	0.00	4,406	192.98	0.00
31.50	0.00	4,406	192.98	0.00
31.60	0.00	4,406	192.98	0.00
31.70	0.00	4,405	192.98	0.00
31.80	0.00	4,405	192.98	0.00
31.90	0.00	4,405	192.98	0.00
32.00	0.00	4,405	192.98	0.00
32.10	0.00	4,405	192.98	0.00
32.20	0.00	4,405	192.98	0.00
32.30	0.00	4,405	192.98	0.00
32.40	0.00	4,405	192.98	0.00
32.50	0.00	4,404	192.98	0.00
32.60	0.00	4,404	192.98	0.00
32.70	0.00	4,404	192.98	0.00
32.80	0.00	4,404	192.98	0.00
32.90	0.00	4,404	192.98	0.00
33.00	0.00	4,404	192.98	0.00
33.10	0.00	4,404	192.98	0.00
33.20	0.00	4,404	192.98	0.00
33.30	0.00	4,404	192.98	0.00
33.40	0.00	4,404	192.98	0.00
33.50	0.00	4,404	192.98	0.00
33.60	0.00	4,404	192.98	0.00
33.70	0.00	4,404	192.98	0.00
33.80	0.00	4,404	192.98	0.00
33.90	0.00	4,404	192.98	0.00
34.00	0.00	4,404	192.98	0.00
34.10	0.00	4,404	192.98	0.00
34.20	0.00	4,404	192.98	0.00
34.30	0.00	4,404	192.98	0.00
34.40	0.00	4,404	192.98	0.00
34.50	0.00	4,404	192.98	0.00
34.60	0.00	4,404	192.98	0.00
34.70	0.00	4,404	192.98	0.00
34.80	0.00	4,403	192.98	0.00
34.90	0.00	4,403	192.98	0.00
35.00	0.00	4,403	192.98	0.00
35.10	0.00	4,403	192.98	0.00
35.20	0.00	4,403	192.98	0.00
35.30	0.00	4,403	192.98	0.00
35.40	0.00	4,403	192.98	0.00
35.50	0.00	4,403	192.98	0.00
35.60	0.00	4,403	192.98	0.00
35.70	0.00	4,403	192.98	0.00
35.80	0.00	4,403	192.98	0.00
35.90	0.00	4,403	192.98	0.00
36.00	0.00	4,403	192.98	0.00
36.10	0.00	4,403	192.98	0.00
36.20	0.00	4,403	192.98	0.00
36.30	0.00	4,403	192.98	0.00

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	4,403	192.98	0.00
36.50	0.00	4,403	192.98	0.00
36.60	0.00	4,403	192.98	0.00
36.70	0.00	4,403	192.98	0.00
36.80	0.00	4,403	192.98	0.00
36.90	0.00	4,403	192.98	0.00
37.00	0.00	4,403	192.98	0.00
37.10	0.00	4,403	192.98	0.00
37.20	0.00	4,403	192.98	0.00
37.30	0.00	4,403	192.98	0.00
37.40	0.00	4,403	192.98	0.00
37.50	0.00	4,403	192.98	0.00
37.60	0.00	4,403	192.98	0.00
37.70	0.00	4,403	192.98	0.00
37.80	0.00	4,403	192.98	0.00
37.90	0.00	4,403	192.98	0.00
38.00	0.00	4,403	192.98	0.00
38.10	0.00	4,403	192.98	0.00
38.20	0.00	4,403	192.98	0.00
38.30	0.00	4,403	192.98	0.00
38.40	0.00	4,403	192.98	0.00
38.50	0.00	4,403	192.98	0.00
38.60	0.00	4,403	192.98	0.00
38.70	0.00	4,403	192.98	0.00
38.80	0.00	4,403	192.98	0.00
38.90	0.00	4,403	192.98	0.00
39.00	0.00	4,403	192.98	0.00
39.10	0.00	4,403	192.98	0.00
39.20	0.00	4,403	192.98	0.00
39.30	0.00	4,403	192.98	0.00
39.40	0.00	4,403	192.98	0.00
39.50	0.00	4,403	192.98	0.00
39.60	0.00	4,403	192.98	0.00
39.70	0.00	4,403	192.98	0.00
39.80	0.00	4,403	192.98	0.00
39.90	0.00	4,403	192.98	0.00
40.00	0.00	4,403	192.98	0.00

Stage-Discharge for Pond B-55: Basin #55

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
192.00	0.00	192.52	0.00	193.04	0.09	193.56	1.27
192.01	0.00	192.53	0.00	193.05	0.11	193.57	1.28
192.02	0.00	192.54	0.00	193.06	0.13	193.58	1.29
192.03	0.00	192.55	0.00	193.07	0.16	193.59	1.31
192.04	0.00	192.56	0.00	193.08	0.19	193.60	1.32
192.05	0.00	192.57	0.00	193.09	0.21	193.61	1.33
192.06	0.00	192.58	0.00	193.10	0.24	193.62	1.34
192.07	0.00	192.59	0.00	193.11	0.28	193.63	1.36
192.08	0.00	192.60	0.00	193.12	0.31	193.64	1.37
192.09	0.00	192.61	0.00	193.13	0.34	193.65	1.38
192.10	0.00	192.62	0.00	193.14	0.38	193.66	1.39
192.11	0.00	192.63	0.00	193.15	0.41	193.67	1.41
192.12	0.00	192.64	0.00	193.16	0.45	193.68	1.42
192.13	0.00	192.65	0.00	193.17	0.49	193.69	1.43
192.14	0.00	192.66	0.00	193.18	0.53	193.70	1.44
192.15	0.00	192.67	0.00	193.19	0.57	193.71	1.45
192.16	0.00	192.68	0.00	193.20	0.60	193.72	1.46
192.17	0.00	192.69	0.00	193.21	0.63	193.73	1.48
192.18	0.00	192.70	0.00	193.22	0.66	193.74	1.49
192.19	0.00	192.71	0.00	193.23	0.69	193.75	1.50
192.20	0.00	192.72	0.00	193.24	0.71	193.76	1.51
192.21	0.00	192.73	0.00	193.25	0.74	193.77	1.52
192.22	0.00	192.74	0.00	193.26	0.76	193.78	1.53
192.23	0.00	192.75	0.00	193.27	0.78	193.79	1.54
192.24	0.00	192.76	0.00	193.28	0.80	193.80	1.55
192.25	0.00	192.77	0.00	193.29	0.82	193.81	1.57
192.26	0.00	192.78	0.00	193.30	0.85	193.82	1.58
192.27	0.00	192.79	0.00	193.31	0.87	193.83	1.60
192.28	0.00	192.80	0.00	193.32	0.89	193.84	1.63
192.29	0.00	192.81	0.00	193.33	0.90	193.85	1.68
192.30	0.00	192.82	0.00	193.34	0.92	193.86	1.72
192.31	0.00	192.83	0.00	193.35	0.94	193.87	1.77
192.32	0.00	192.84	0.00	193.36	0.96	193.88	1.83
192.33	0.00	192.85	0.00	193.37	0.98	193.89	1.89
192.34	0.00	192.86	0.00	193.38	0.99	193.90	1.95
192.35	0.00	192.87	0.00	193.39	1.01	193.91	2.02
192.36	0.00	192.88	0.00	193.40	1.03	193.92	2.09
192.37	0.00	192.89	0.00	193.41	1.05	193.93	2.16
192.38	0.00	192.90	0.00	193.42	1.06	193.94	2.24
192.39	0.00	192.91	0.00	193.43	1.08	193.95	2.32
192.40	0.00	192.92	0.00	193.44	1.09	193.96	2.40
192.41	0.00	192.93	0.00	193.45	1.11	193.97	2.48
192.42	0.00	192.94	0.00	193.46	1.12	193.98	2.57
192.43	0.00	192.95	0.00	193.47	1.14	193.99	2.66
192.44	0.00	192.96	0.00	193.48	1.15	194.00	2.75
192.45	0.00	192.97	0.00	193.49	1.17	194.01	2.84
192.46	0.00	192.98	0.00	193.50	1.18	194.02	2.94
192.47	0.00	192.99	0.01	193.51	1.20	194.03	3.03
192.48	0.00	193.00	0.02	193.52	1.21	194.04	3.13
192.49	0.00	193.01	0.03	193.53	1.23	194.05	3.23
192.50	0.00	193.02	0.05	193.54	1.24	194.06	3.34
192.51	0.00	193.03	0.07	193.55	1.25	194.07	3.44

Stage-Discharge for Pond B-55: Basin #55 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
194.08	3.55	194.60	10.91	195.12	12.19	195.64	23.12
194.09	3.65	194.61	10.94	195.13	12.21	195.65	23.93
194.10	3.76	194.62	10.96	195.14	12.23	195.66	24.79
194.11	3.87	194.63	10.99	195.15	12.26	195.67	25.69
194.12	3.99	194.64	11.01	195.16	12.28	195.68	26.61
194.13	4.10	194.65	11.04	195.17	12.30	195.69	27.55
194.14	4.22	194.66	11.06	195.18	12.32	195.70	28.52
194.15	4.34	194.67	11.09	195.19	12.35	195.71	29.52
194.16	4.46	194.68	11.12	195.20	12.37	195.72	30.53
194.17	4.58	194.69	11.14	195.21	12.39	195.73	31.58
194.18	4.70	194.70	11.17	195.22	12.42	195.74	32.65
194.19	4.82	194.71	11.19	195.23	12.44	195.75	33.74
194.20	4.95	194.72	11.22	195.24	12.46	195.76	34.86
194.21	5.07	194.73	11.24	195.25	12.48	195.77	36.00
194.22	5.20	194.74	11.27	195.26	12.51	195.78	37.17
194.23	5.33	194.75	11.29	195.27	12.53	195.79	38.36
194.24	5.46	194.76	11.32	195.28	12.55	195.80	39.57
194.25	5.59	194.77	11.34	195.29	12.58	195.81	40.81
194.26	5.73	194.78	11.37	195.30	12.60	195.82	42.08
194.27	5.86	194.79	11.39	195.31	12.62	195.83	43.36
194.28	6.00	194.80	11.42	195.32	12.64	195.84	44.67
194.29	6.13	194.81	11.44	195.33	12.66	195.85	46.01
194.30	6.27	194.82	11.47	195.34	12.69	195.86	47.40
194.31	6.41	194.83	11.49	195.35	12.71	195.87	48.81
194.32	6.55	194.84	11.52	195.36	12.73	195.88	50.25
194.33	6.69	194.85	11.54	195.37	12.75	195.89	51.71
194.34	6.84	194.86	11.57	195.38	12.78	195.90	53.20
194.35	6.98	194.87	11.59	195.39	12.80	195.91	54.72
194.36	7.13	194.88	11.61	195.40	12.82	195.92	56.26
194.37	7.27	194.89	11.64	195.41	12.84	195.93	57.83
194.38	7.42	194.90	11.66	195.42	12.86	195.94	59.43
194.39	7.57	194.91	11.69	195.43	12.89	195.95	61.05
194.40	7.72	194.92	11.71	195.44	12.91	195.96	62.70
194.41	7.87	194.93	11.74	195.45	12.93	195.97	64.37
194.42	8.02	194.94	11.76	195.46	13.07	195.98	66.07
194.43	8.17	194.95	11.78	195.47	13.31	195.99	67.80
194.44	8.33	194.96	11.81	195.48	13.61	196.00	**69.56**
194.45	8.48	194.97	11.83	195.49	13.96		
194.46	8.64	194.98	11.86	195.50	14.35		
194.47	8.80	194.99	11.88	195.51	14.79		
194.48	8.95	195.00	11.90	195.52	15.26		
194.49	9.11	195.01	11.93	195.53	15.76		
194.50	9.27	195.02	11.95	195.54	16.30		
194.51	9.43	195.03	11.97	195.55	16.87		
194.52	9.60	195.04	12.00	195.56	17.46		
194.53	9.76	195.05	12.02	195.57	18.08		
194.54	9.92	195.06	12.05	195.58	18.73		
194.55	10.09	195.07	12.07	195.59	19.40		
194.56	10.25	195.08	12.09	195.60	20.10		
194.57	10.42	195.09	12.12	195.61	20.82		
194.58	10.59	195.10	12.14	195.62	21.57		
194.59	10.75	195.11	12.16	195.63	22.33		

Stage-Area-Storage for Pond B-55: Basin #55

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
192.00	4,250	0	192.52	4,508	2,277
192.01	4,255	43	192.53	4,513	2,322
192.02	4,260	85	192.54	4,518	2,367
192.03	4,265	128	192.55	4,523	2,413
192.04	4,270	170	192.56	4,528	2,458
192.05	4,275	213	192.57	4,533	2,503
192.06	4,280	256	192.58	4,538	2,548
192.07	4,285	299	192.59	4,543	2,594
192.08	4,290	342	192.60	4,548	2,639
192.09	4,295	385	192.61	4,553	2,685
192.10	4,300	427	192.62	4,558	2,730
192.11	4,305	471	192.63	4,562	2,776
192.12	4,310	514	192.64	4,567	2,822
192.13	4,314	557	192.65	4,572	2,867
192.14	4,319	600	192.66	4,577	2,913
192.15	4,324	643	192.67	4,582	2,959
192.16	4,329	686	192.68	4,587	3,005
192.17	4,334	730	192.69	4,592	3,051
192.18	4,339	773	192.70	4,597	3,097
192.19	4,344	816	192.71	4,602	3,143
192.20	4,349	860	192.72	4,607	3,189
192.21	4,354	903	192.73	4,612	3,235
192.22	4,359	947	192.74	4,617	3,281
192.23	4,364	991	192.75	4,622	3,327
192.24	4,369	1,034	192.76	4,627	3,373
192.25	4,374	1,078	192.77	4,632	3,420
192.26	4,379	1,122	192.78	4,637	3,466
192.27	4,384	1,166	192.79	4,642	3,512
192.28	4,389	1,209	192.80	4,647	3,559
192.29	4,394	1,253	192.81	4,652	3,605
192.30	4,399	1,297	192.82	4,657	3,652
192.31	4,404	1,341	192.83	4,662	3,698
192.32	4,409	1,385	192.84	4,667	3,745
192.33	4,414	1,430	192.85	4,672	3,792
192.34	4,419	1,474	192.86	4,677	3,838
192.35	4,424	1,518	192.87	4,682	3,885
192.36	4,429	1,562	192.88	4,686	3,932
192.37	4,434	1,606	192.89	4,691	3,979
192.38	4,438	1,651	192.90	4,696	4,026
192.39	4,443	1,695	192.91	4,701	4,073
192.40	4,448	1,740	192.92	4,706	4,120
192.41	4,453	1,784	192.93	4,711	4,167
192.42	4,458	1,829	192.94	4,716	4,214
192.43	4,463	1,873	192.95	4,721	4,261
192.44	4,468	1,918	192.96	4,726	4,309
192.45	4,473	1,963	192.97	4,731	4,356
192.46	4,478	2,007	192.98	4,736	4,403
192.47	4,483	2,052	192.99	4,741	4,451
192.48	4,488	2,097	193.00	4,746	4,498
192.49	4,493	2,142	193.01	4,751	4,545
192.50	4,498	2,187	193.02	4,756	4,593
192.51	4,503	2,232	193.03	4,761	4,641

Stage-Area-Storage for Pond B-55: Basin #55 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
193.04	4,766	4,688	193.56	5,032	7,236
193.05	4,772	4,736	193.57	5,037	7,286
193.06	4,777	4,784	193.58	5,042	7,337
193.07	4,782	4,831	193.59	5,047	7,387
193.08	4,787	4,879	193.60	5,053	7,438
193.09	4,792	4,927	193.61	5,058	7,488
193.10	4,797	4,975	193.62	5,063	7,539
193.11	4,802	5,023	193.63	5,068	7,589
193.12	4,807	5,071	193.64	5,073	7,640
193.13	4,812	5,119	193.65	5,078	7,691
193.14	4,818	5,167	193.66	5,083	7,742
193.15	4,823	5,216	193.67	5,088	7,793
193.16	4,828	5,264	193.68	5,093	7,843
193.17	4,833	5,312	193.69	5,099	7,894
193.18	4,838	5,361	193.70	5,104	7,945
193.19	4,843	5,409	193.71	5,109	7,996
193.20	4,848	5,457	193.72	5,114	8,048
193.21	4,853	5,506	193.73	5,119	8,099
193.22	4,858	5,554	193.74	5,124	8,150
193.23	4,864	5,603	193.75	5,129	8,201
193.24	4,869	5,652	193.76	5,134	8,253
193.25	4,874	5,700	193.77	5,139	8,304
193.26	4,879	5,749	193.78	5,145	8,355
193.27	4,884	5,798	193.79	5,150	8,407
193.28	4,889	5,847	193.80	5,155	8,458
193.29	4,894	5,896	193.81	5,160	8,510
193.30	4,899	5,945	193.82	5,165	8,562
193.31	4,904	5,994	193.83	5,170	8,613
193.32	4,910	6,043	193.84	5,175	8,665
193.33	4,915	6,092	193.85	5,180	8,717
193.34	4,920	6,141	193.86	5,185	8,769
193.35	4,925	6,190	193.87	5,191	8,820
193.36	4,930	6,240	193.88	5,196	8,872
193.37	4,935	6,289	193.89	5,201	8,924
193.38	4,940	6,338	193.90	5,206	8,976
193.39	4,945	6,388	193.91	5,211	9,028
193.40	4,950	6,437	193.92	5,216	9,081
193.41	4,956	6,487	193.93	5,221	9,133
193.42	4,961	6,536	193.94	5,226	9,185
193.43	4,966	6,586	193.95	5,231	9,237
193.44	4,971	6,636	193.96	5,237	9,290
193.45	4,976	6,685	193.97	5,242	9,342
193.46	4,981	6,735	193.98	5,247	9,394
193.47	4,986	6,785	193.99	5,252	9,447
193.48	4,991	6,835	194.00	5,257	9,500
193.49	4,996	6,885	194.01	5,262	9,552
193.50	5,002	6,935	194.02	5,268	9,605
193.51	5,007	6,985	194.03	5,273	9,657
193.52	5,012	7,035	194.04	5,278	9,710
193.53	5,017	7,085	194.05	5,283	9,763
193.54	5,022	7,135	194.06	5,289	9,816
193.55	5,027	7,186	194.07	5,294	9,869

Stage-Area-Storage for Pond B-55: Basin #55 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
194.08	5,299	9,922	194.60	5,573	12,749
194.09	5,304	9,975	194.61	5,578	12,804
194.10	5,310	10,028	194.62	5,584	12,860
194.11	5,315	10,081	194.63	5,589	12,916
194.12	5,320	10,134	194.64	5,594	12,972
194.13	5,326	10,187	194.65	5,600	13,028
194.14	5,331	10,241	194.66	5,605	13,084
194.15	5,336	10,294	194.67	5,610	13,140
194.16	5,341	10,347	194.68	5,615	13,196
194.17	5,347	10,401	194.69	5,621	13,252
194.18	5,352	10,454	194.70	5,626	13,309
194.19	5,357	10,508	194.71	5,631	13,365
194.20	5,362	10,561	194.72	5,636	13,421
194.21	5,368	10,615	194.73	5,642	13,478
194.22	5,373	10,669	194.74	5,647	13,534
194.23	5,378	10,723	194.75	5,652	13,590
194.24	5,383	10,776	194.76	5,658	13,647
194.25	5,389	10,830	194.77	5,663	13,704
194.26	5,394	10,884	194.78	5,668	13,760
194.27	5,399	10,938	194.79	5,673	13,817
194.28	5,405	10,992	194.80	5,679	13,874
194.29	5,410	11,046	194.81	5,684	13,931
194.30	5,415	11,100	194.82	5,689	13,987
194.31	5,420	11,154	194.83	5,694	14,044
194.32	5,426	11,209	194.84	5,700	14,101
194.33	5,431	11,263	194.85	5,705	14,158
194.34	5,436	11,317	194.86	5,710	14,215
194.35	5,441	11,372	194.87	5,715	14,273
194.36	5,447	11,426	194.88	5,721	14,330
194.37	5,452	11,481	194.89	5,726	14,387
194.38	5,457	11,535	194.90	5,731	14,444
194.39	5,463	11,590	194.91	5,737	14,502
194.40	5,468	11,644	194.92	5,742	14,559
194.41	5,473	11,699	194.93	5,747	14,616
194.42	5,478	11,754	194.94	5,752	14,674
194.43	5,484	11,809	194.95	5,758	14,731
194.44	5,489	11,864	194.96	5,763	14,789
194.45	5,494	11,919	194.97	5,768	14,847
194.46	5,499	11,973	194.98	5,773	14,904
194.47	5,505	12,028	194.99	5,779	14,962
194.48	5,510	12,084	195.00	5,784	15,020
194.49	5,515	12,139	195.01	5,789	15,078
194.50	5,521	12,194	195.02	5,795	15,136
194.51	5,526	12,249	195.03	5,800	15,194
194.52	5,531	12,304	195.04	5,806	15,252
194.53	5,536	12,360	195.05	5,811	15,310
194.54	5,542	12,415	195.06	5,817	15,368
194.55	5,547	12,471	195.07	5,822	15,426
194.56	5,552	12,526	195.08	5,827	15,484
194.57	5,557	12,582	195.09	5,833	15,543
194.58	5,563	12,637	195.10	5,838	15,601
194.59	5,568	12,693	195.11	5,844	15,660

Stage-Area-Storage for Pond B-55: Basin #55 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
195.12	5,849	15,718
195.13	5,855	15,777
195.14	5,860	15,835
195.15	5,865	15,894
195.16	5,871	15,952
195.17	5,876	16,011
195.18	5,882	16,070
195.19	5,887	16,129
195.20	5,893	16,188
195.21	5,898	16,247
195.22	5,903	16,306
195.23	5,909	16,365
195.24	5,914	16,424
195.25	5,920	16,483
195.26	5,925	16,542
195.27	5,931	16,601
195.28	5,936	16,661
195.29	5,941	16,720
195.30	5,947	16,780
195.31	5,952	16,839
195.32	5,958	16,899
195.33	5,963	16,958
195.34	5,969	17,018
195.35	5,974	17,078
195.36	5,979	17,137
195.37	5,985	17,197
195.38	5,990	17,257
195.39	5,996	17,317
195.40	6,001	17,377
195.41	6,007	17,437
195.42	6,012	17,497
195.43	6,017	17,557
195.44	6,023	17,618
195.45	6,028	17,678
195.46	6,034	17,738
195.47	6,039	17,798
195.48	6,045	17,859
195.49	6,050	17,919
195.50	6,056	17,980
195.51	6,061	18,040
195.52	6,066	18,101
195.53	6,072	18,162
195.54	6,077	18,223
195.55	6,083	18,283
195.56	6,088	18,344
195.57	6,094	18,405
195.58	6,099	18,466
195.59	6,104	18,527
195.60	6,110	18,588
195.61	6,115	18,649
195.62	6,121	18,710
195.63	6,126	18,772
195.64	6,132	18,833
195.65	6,137	18,894
195.66	6,142	18,956
195.67	6,148	19,017
195.68	6,153	19,079
195.69	6,159	19,140
195.70	6,164	19,202
195.71	6,170	19,264
195.72	6,175	19,325
195.73	6,180	19,387
195.74	6,186	19,449
195.75	6,191	19,511
195.76	6,197	19,573
195.77	6,202	19,635
195.78	6,208	19,697
195.79	6,213	19,759
195.80	6,218	19,821
195.81	6,224	19,883
195.82	6,229	19,945
195.83	6,235	20,008
195.84	6,240	20,070
195.85	6,246	20,133
195.86	6,251	20,195
195.87	6,256	20,258
195.88	6,262	20,320
195.89	6,267	20,383
195.90	6,273	20,446
195.91	6,278	20,508
195.92	6,284	20,571
195.93	6,289	20,634
195.94	6,294	20,697
195.95	6,300	20,760
195.96	6,305	20,823
195.97	6,311	20,886
195.98	6,316	20,949
195.99	6,322	21,012
196.00	**6,327**	**21,076**

Summary for Pond B-56: Basin #56

Inflow Area = 1.512 ac, 31.08% Impervious, Inflow Depth = 6.22" for Current 100 yr event
Inflow = 12.69 cfs @ 12.09 hrs, Volume= 0.783 af
Outflow = 2.87 cfs @ 12.34 hrs, Volume= 0.686 af, Atten= 77%, Lag= 15.3 min
Primary = 2.87 cfs @ 12.34 hrs, Volume= 0.686 af
Routed to Pond B-51 : Basin #51

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 195.03' @ 12.34 hrs Surf.Area= 6,491 sf Storage= 17,379 cf

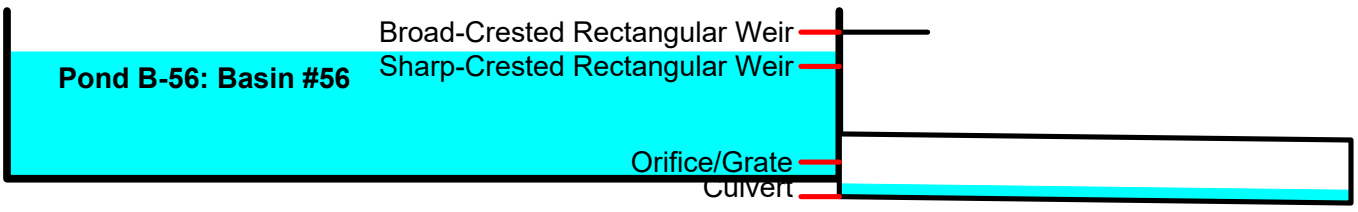
Plug-Flow detention time= 491.8 min calculated for 0.686 af (88% of inflow)
Center-of-Mass det. time= 431.5 min (1,214.2 - 782.7)

Volume	Invert	Avail.Storage	Storage Description
#1	192.00'	23,952 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

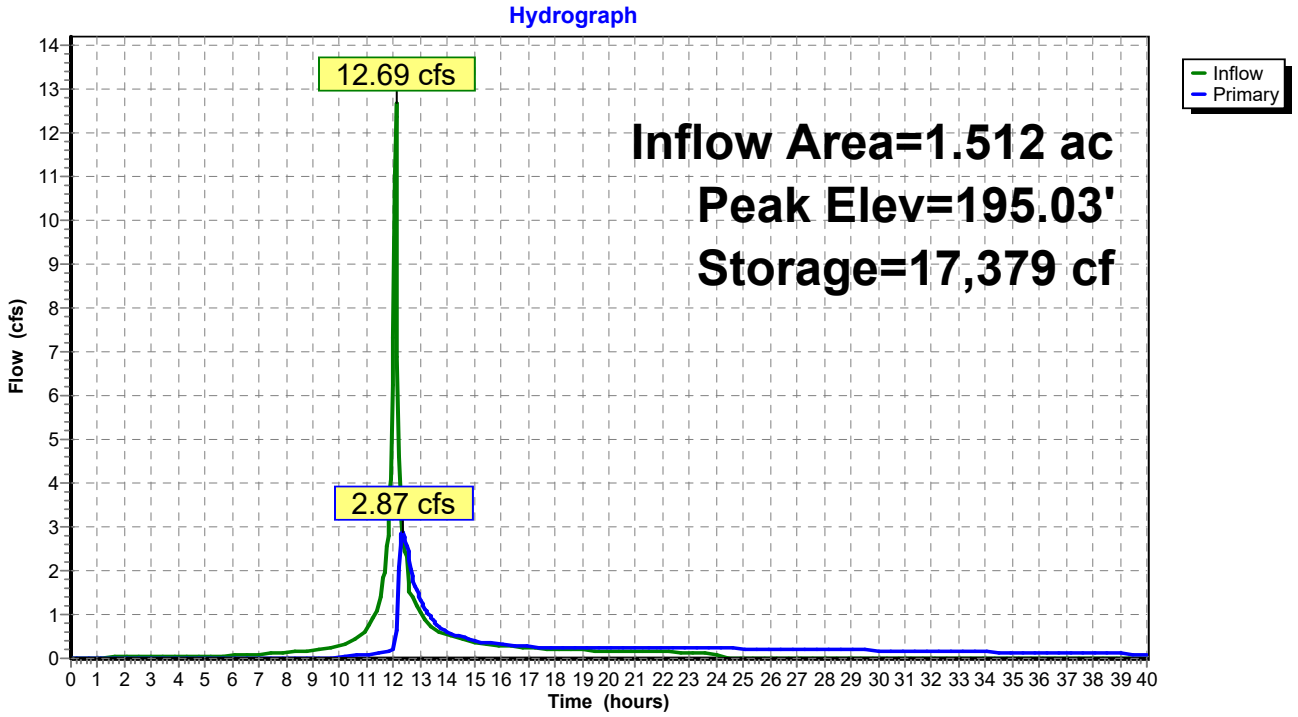
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
192.00	5,021	0	0
193.00	5,490	5,256	5,256
194.00	5,976	5,733	10,989
195.00	6,478	6,227	17,216
196.00	6,995	6,737	23,952

Device	Routing	Invert	Outlet Devices
#1	Primary	191.57'	**18.0" Round Culvert** L= 29.0' Ke= 0.500 Inlet / Outlet Invert= 191.57' / 191.42' S= 0.0052 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	192.40'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	194.68'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	195.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=2.86 cfs @ 12.34 hrs HW=195.02' (Free Discharge)
- **1=Culvert** (Passes 2.86 cfs of 13.99 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.26 cfs @ 7.64 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 2.60 cfs @ 1.92 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-56: Basin #56



Hydrograph for Pond B-56: Basin #56

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	192.00	0.00
0.10	0.00	0	192.00	0.00
0.20	0.00	0	192.00	0.00
0.30	0.00	0	192.00	0.00
0.40	0.00	0	192.00	0.00
0.50	0.00	0	192.00	0.00
0.60	0.00	1	192.00	0.00
0.70	0.01	3	192.00	0.00
0.80	0.01	6	192.00	0.00
0.90	0.01	10	192.00	0.00
1.00	0.02	16	192.00	0.00
1.10	0.02	21	192.00	0.00
1.20	0.02	28	192.01	0.00
1.30	0.02	36	192.01	0.00
1.40	0.02	44	192.01	0.00
1.50	0.03	52	192.01	0.00
1.60	0.03	62	192.01	0.00
1.70	0.03	71	192.01	0.00
1.80	0.03	82	192.02	0.00
1.90	0.03	93	192.02	0.00
2.00	0.03	104	192.02	0.00
2.10	0.03	116	192.02	0.00
2.20	0.03	128	192.03	0.00
2.30	0.04	140	192.03	0.00
2.40	0.04	153	192.03	0.00
2.50	0.04	167	192.03	0.00
2.60	0.04	180	192.04	0.00
2.70	0.04	194	192.04	0.00
2.80	0.04	209	192.04	0.00
2.90	0.04	224	192.04	0.00
3.00	0.04	238	192.05	0.00
3.10	0.04	254	192.05	0.00
3.20	0.04	269	192.05	0.00
3.30	0.04	285	192.06	0.00
3.40	0.05	301	192.06	0.00
3.50	0.05	318	192.06	0.00
3.60	0.05	334	192.07	0.00
3.70	0.05	351	192.07	0.00
3.80	0.05	368	192.07	0.00
3.90	0.05	386	192.08	0.00
4.00	0.05	403	192.08	0.00
4.10	0.05	421	192.08	0.00
4.20	0.05	439	192.09	0.00
4.30	0.05	458	192.09	0.00
4.40	0.05	476	192.09	0.00
4.50	0.05	495	192.10	0.00
4.60	0.05	514	192.10	0.00
4.70	0.05	533	192.11	0.00
4.80	0.05	552	192.11	0.00
4.90	0.05	572	192.11	0.00
5.00	0.06	592	192.12	0.00
5.10	0.06	612	192.12	0.00

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.06	632	192.13	0.00
5.30	0.06	652	192.13	0.00
5.40	0.06	673	192.13	0.00
5.50	0.06	694	192.14	0.00
5.60	0.06	715	192.14	0.00
5.70	0.06	736	192.15	0.00
5.80	0.06	757	192.15	0.00
5.90	0.06	779	192.15	0.00
6.00	0.06	800	192.16	0.00
6.10	0.06	822	192.16	0.00
6.20	0.06	845	192.17	0.00
6.30	0.07	869	192.17	0.00
6.40	0.07	893	192.18	0.00
6.50	0.07	918	192.18	0.00
6.60	0.07	944	192.19	0.00
6.70	0.08	972	192.19	0.00
6.80	0.08	1,001	192.20	0.00
6.90	0.08	1,031	192.20	0.00
7.00	0.09	1,062	192.21	0.00
7.10	0.09	1,094	192.22	0.00
7.20	0.09	1,128	192.22	0.00
7.30	0.10	1,162	192.23	0.00
7.40	0.10	1,199	192.24	0.00
7.50	0.11	1,236	192.24	0.00
7.60	0.11	1,275	192.25	0.00
7.70	0.11	1,315	192.26	0.00
7.80	0.12	1,357	192.27	0.00
7.90	0.12	1,400	192.28	0.00
8.00	0.13	1,445	192.28	0.00
8.10	0.13	1,491	192.29	0.00
8.20	0.13	1,538	192.30	0.00
8.30	0.14	1,587	192.31	0.00
8.40	0.14	1,638	192.32	0.00
8.50	0.15	1,690	192.33	0.00
8.60	0.15	1,744	192.34	0.00
8.70	0.16	1,799	192.35	0.00
8.80	0.16	1,856	192.36	0.00
8.90	0.16	1,915	192.37	0.00
9.00	0.17	1,975	192.39	0.00
9.10	0.18	2,039	192.40	0.00
9.20	0.19	2,106	192.41	0.00
9.30	0.21	2,178	192.43	0.00
9.40	0.22	2,254	192.44	0.00
9.50	0.23	2,333	192.45	0.01
9.60	0.24	2,416	192.47	0.01
9.70	0.26	2,503	192.49	0.01
9.80	0.27	2,592	192.50	0.02
9.90	0.29	2,685	192.52	0.02
10.00	0.30	2,781	192.54	0.03
10.10	0.32	2,880	192.56	0.04
10.20	0.33	2,982	192.58	0.04
10.30	0.35	3,088	192.60	0.05

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.36	3,196	192.62	0.06
10.50	0.38	3,310	192.64	0.06
10.60	0.43	3,434	192.66	0.07
10.70	0.48	3,575	192.69	0.07
10.80	0.53	3,732	192.72	0.08
10.90	0.59	3,906	192.75	0.08
11.00	0.64	4,099	192.79	0.09
11.10	0.74	4,319	192.83	0.09
11.20	0.85	4,574	192.88	0.10
11.30	0.96	4,864	192.93	0.11
11.40	1.07	5,192	192.99	0.11
11.50	1.18	5,554	193.05	0.12
11.60	1.83	6,074	193.15	0.13
11.70	2.01	6,719	193.26	0.14
11.80	2.82	7,558	193.41	0.16
11.90	4.08	8,775	193.62	0.17
12.00	7.32	10,857	193.98	0.20
12.10	**12.39**	14,528	194.58	0.24
12.20	4.61	16,900	194.95	2.08
12.30	3.28	**17,356**	**195.02**	**2.83**
12.40	2.43	**17,328**	**195.02**	**2.78**
12.50	2.29	17,209	195.00	2.58
12.60	1.50	16,991	194.97	2.22
12.70	1.40	16,773	194.93	1.89
12.80	1.28	16,616	194.91	1.66
12.90	1.16	16,488	194.89	1.48
13.00	1.04	16,376	194.87	1.33
13.10	0.92	16,271	194.85	1.19
13.20	0.85	16,180	194.84	1.07
13.30	0.79	16,102	194.83	0.99
13.40	0.72	16,031	194.82	0.90
13.50	0.66	15,964	194.81	0.83
13.60	0.59	15,900	194.80	0.76
13.70	0.57	15,845	194.79	0.71
13.80	0.55	15,801	194.78	0.66
13.90	0.54	15,765	194.77	0.63
14.00	0.52	15,734	194.77	0.60
14.10	0.50	15,707	194.76	0.57
14.20	0.49	15,683	194.76	0.55
14.30	0.47	15,660	194.76	0.53
14.40	0.45	15,638	194.75	0.51
14.50	0.44	15,615	194.75	0.50
14.60	0.42	15,592	194.75	0.48
14.70	0.40	15,570	194.74	0.46
14.80	0.38	15,547	194.74	0.44
14.90	0.36	15,524	194.74	0.43
15.00	0.35	15,501	194.73	0.41
15.10	0.33	15,478	194.73	0.39
15.20	0.33	15,458	194.73	0.38
15.30	0.32	15,441	194.72	0.36
15.40	0.32	15,427	194.72	0.35
15.50	0.31	15,414	194.72	0.35

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.31	15,402	194.72	0.34
15.70	0.30	15,390	194.72	0.34
15.80	0.30	15,378	194.71	0.33
15.90	0.29	15,366	194.71	0.33
16.00	0.29	15,354	194.71	0.32
16.10	0.28	15,343	194.71	0.32
16.20	0.28	15,332	194.71	0.31
16.30	0.27	15,320	194.70	0.31
16.40	0.27	15,309	194.70	0.30
16.50	0.27	15,298	194.70	0.30
16.60	0.26	15,286	194.70	0.29
16.70	0.26	15,275	194.70	0.29
16.80	0.25	15,264	194.70	0.28
16.90	0.25	15,253	194.69	0.28
17.00	0.24	15,242	194.69	0.27
17.10	0.24	15,231	194.69	0.27
17.20	0.23	15,220	194.69	0.26
17.30	0.23	15,208	194.69	0.26
17.40	0.22	15,197	194.68	0.25
17.50	0.22	15,186	194.68	0.25
17.60	0.21	15,175	194.68	0.25
17.70	0.21	15,164	194.68	0.24
17.80	0.21	15,152	194.68	0.24
17.90	0.20	15,137	194.68	0.24
18.00	0.20	15,122	194.67	0.24
18.10	0.19	15,104	194.67	0.24
18.20	0.19	15,086	194.67	0.24
18.30	0.19	15,067	194.66	0.24
18.40	0.19	15,048	194.66	0.24
18.50	0.19	15,029	194.66	0.24
18.60	0.19	15,009	194.65	0.24
18.70	0.18	14,989	194.65	0.24
18.80	0.18	14,969	194.65	0.24
18.90	0.18	14,948	194.65	0.24
19.00	0.18	14,927	194.64	0.24
19.10	0.18	14,906	194.64	0.24
19.20	0.18	14,884	194.63	0.24
19.30	0.18	14,862	194.63	0.24
19.40	0.18	14,839	194.63	0.24
19.50	0.18	14,816	194.62	0.24
19.60	0.17	14,793	194.62	0.24
19.70	0.17	14,770	194.62	0.24
19.80	0.17	14,746	194.61	0.24
19.90	0.17	14,722	194.61	0.24
20.00	0.17	14,698	194.61	0.24
20.10	0.17	14,673	194.60	0.24
20.20	0.17	14,648	194.60	0.24
20.30	0.17	14,622	194.59	0.24
20.40	0.16	14,596	194.59	0.24
20.50	0.16	14,570	194.58	0.24
20.60	0.16	14,544	194.58	0.24
20.70	0.16	14,517	194.58	0.24

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.16	14,490	194.57	0.24
20.90	0.16	14,462	194.57	0.24
21.00	0.16	14,434	194.56	0.24
21.10	0.16	14,406	194.56	0.24
21.20	0.16	14,378	194.55	0.24
21.30	0.16	14,349	194.55	0.23
21.40	0.15	14,320	194.54	0.23
21.50	0.15	14,290	194.54	0.23
21.60	0.15	14,261	194.54	0.23
21.70	0.15	14,230	194.53	0.23
21.80	0.15	14,200	194.53	0.23
21.90	0.15	14,170	194.52	0.23
22.00	0.15	14,138	194.52	0.23
22.10	0.14	14,107	194.51	0.23
22.20	0.14	14,075	194.51	0.23
22.30	0.14	14,044	194.50	0.23
22.40	0.14	14,011	194.50	0.23
22.50	0.14	13,978	194.49	0.23
22.60	0.14	13,946	194.48	0.23
22.70	0.14	13,913	194.48	0.23
22.80	0.14	13,879	194.47	0.23
22.90	0.14	13,845	194.47	0.23
23.00	0.14	13,811	194.46	0.23
23.10	0.13	13,776	194.46	0.23
23.20	0.13	13,742	194.45	0.23
23.30	0.13	13,706	194.45	0.23
23.40	0.13	13,671	194.44	0.23
23.50	0.13	13,636	194.43	0.23
23.60	0.13	13,599	194.43	0.23
23.70	0.13	13,563	194.42	0.23
23.80	0.12	13,527	194.42	0.23
23.90	0.12	13,490	194.41	0.23
24.00	0.15	13,459	194.41	0.23
24.10	0.00	13,399	194.40	0.23
24.20	0.00	13,318	194.38	0.23
24.30	0.00	13,237	194.37	0.22
24.40	0.00	13,157	194.36	0.22
24.50	0.00	13,076	194.34	0.22
24.60	0.00	12,996	194.33	0.22
24.70	0.00	12,917	194.32	0.22
24.80	0.00	12,837	194.31	0.22
24.90	0.00	12,758	194.29	0.22
25.00	0.00	12,679	194.28	0.22
25.10	0.00	12,601	194.27	0.22
25.20	0.00	12,522	194.25	0.22
25.30	0.00	12,444	194.24	0.22
25.40	0.00	12,366	194.23	0.22
25.50	0.00	12,289	194.22	0.21
25.60	0.00	12,212	194.20	0.21
25.70	0.00	12,135	194.19	0.21
25.80	0.00	12,058	194.18	0.21
25.90	0.00	11,982	194.17	0.21

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	11,906	194.15	0.21
26.10	0.00	11,830	194.14	0.21
26.20	0.00	11,755	194.13	0.21
26.30	0.00	11,680	194.12	0.21
26.40	0.00	11,605	194.10	0.21
26.50	0.00	11,530	194.09	0.21
26.60	0.00	11,456	194.08	0.21
26.70	0.00	11,382	194.07	0.21
26.80	0.00	11,308	194.05	0.20
26.90	0.00	11,235	194.04	0.20
27.00	0.00	11,162	194.03	0.20
27.10	0.00	11,089	194.02	0.20
27.20	0.00	11,017	194.00	0.20
27.30	0.00	10,944	193.99	0.20
27.40	0.00	10,872	193.98	0.20
27.50	0.00	10,801	193.97	0.20
27.60	0.00	10,729	193.96	0.20
27.70	0.00	10,658	193.94	0.20
27.80	0.00	10,588	193.93	0.20
27.90	0.00	10,517	193.92	0.20
28.00	0.00	10,447	193.91	0.19
28.10	0.00	10,377	193.90	0.19
28.20	0.00	10,307	193.89	0.19
28.30	0.00	10,238	193.87	0.19
28.40	0.00	10,169	193.86	0.19
28.50	0.00	10,100	193.85	0.19
28.60	0.00	10,032	193.84	0.19
28.70	0.00	9,964	193.83	0.19
28.80	0.00	9,896	193.82	0.19
28.90	0.00	9,829	193.80	0.19
29.00	0.00	9,761	193.79	0.19
29.10	0.00	9,694	193.78	0.19
29.20	0.00	9,628	193.77	0.18
29.30	0.00	9,561	193.76	0.18
29.40	0.00	9,495	193.75	0.18
29.50	0.00	9,430	193.74	0.18
29.60	0.00	9,364	193.73	0.18
29.70	0.00	9,299	193.71	0.18
29.80	0.00	9,234	193.70	0.18
29.90	0.00	9,170	193.69	0.18
30.00	0.00	9,105	193.68	0.18
30.10	0.00	9,042	193.67	0.18
30.20	0.00	8,978	193.66	0.18
30.30	0.00	8,915	193.65	0.18
30.40	0.00	8,852	193.64	0.17
30.50	0.00	8,789	193.63	0.17
30.60	0.00	8,726	193.62	0.17
30.70	0.00	8,664	193.60	0.17
30.80	0.00	8,602	193.59	0.17
30.90	0.00	8,541	193.58	0.17
31.00	0.00	8,480	193.57	0.17
31.10	0.00	8,419	193.56	0.17

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	8,358	193.55	0.17
31.30	0.00	8,298	193.54	0.17
31.40	0.00	8,238	193.53	0.17
31.50	0.00	8,178	193.52	0.17
31.60	0.00	8,119	193.51	0.16
31.70	0.00	8,059	193.50	0.16
31.80	0.00	8,001	193.49	0.16
31.90	0.00	7,942	193.48	0.16
32.00	0.00	7,884	193.47	0.16
32.10	0.00	7,826	193.46	0.16
32.20	0.00	7,769	193.45	0.16
32.30	0.00	7,711	193.44	0.16
32.40	0.00	7,654	193.43	0.16
32.50	0.00	7,598	193.42	0.16
32.60	0.00	7,541	193.41	0.16
32.70	0.00	7,485	193.40	0.16
32.80	0.00	7,429	193.39	0.15
32.90	0.00	7,374	193.38	0.15
33.00	0.00	7,319	193.37	0.15
33.10	0.00	7,264	193.36	0.15
33.20	0.00	7,210	193.35	0.15
33.30	0.00	7,155	193.34	0.15
33.40	0.00	7,101	193.33	0.15
33.50	0.00	7,048	193.32	0.15
33.60	0.00	6,995	193.31	0.15
33.70	0.00	6,942	193.30	0.15
33.80	0.00	6,889	193.29	0.15
33.90	0.00	6,837	193.28	0.14
34.00	0.00	6,785	193.28	0.14
34.10	0.00	6,733	193.27	0.14
34.20	0.00	6,681	193.26	0.14
34.30	0.00	6,630	193.25	0.14
34.40	0.00	6,580	193.24	0.14
34.50	0.00	6,529	193.23	0.14
34.60	0.00	6,479	193.22	0.14
34.70	0.00	6,429	193.21	0.14
34.80	0.00	6,380	193.20	0.14
34.90	0.00	6,330	193.19	0.14
35.00	0.00	6,281	193.19	0.14
35.10	0.00	6,233	193.18	0.13
35.20	0.00	6,184	193.17	0.13
35.30	0.00	6,136	193.16	0.13
35.40	0.00	6,089	193.15	0.13
35.50	0.00	6,041	193.14	0.13
35.60	0.00	5,994	193.13	0.13
35.70	0.00	5,948	193.13	0.13
35.80	0.00	5,901	193.12	0.13
35.90	0.00	5,855	193.11	0.13
36.00	0.00	5,809	193.10	0.13
36.10	0.00	5,764	193.09	0.13
36.20	0.00	5,719	193.08	0.12
36.30	0.00	5,674	193.08	0.12

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	5,629	193.07	0.12
36.50	0.00	5,585	193.06	0.12
36.60	0.00	5,541	193.05	0.12
36.70	0.00	5,498	193.04	0.12
36.80	0.00	5,455	193.04	0.12
36.90	0.00	5,412	193.03	0.12
37.00	0.00	5,369	193.02	0.12
37.10	0.00	5,327	193.01	0.12
37.20	0.00	5,285	193.01	0.12
37.30	0.00	5,243	193.00	0.12
37.40	0.00	5,202	192.99	0.11
37.50	0.00	5,161	192.98	0.11
37.60	0.00	5,120	192.98	0.11
37.70	0.00	5,080	192.97	0.11
37.80	0.00	5,039	192.96	0.11
37.90	0.00	5,000	192.95	0.11
38.00	0.00	4,960	192.95	0.11
38.10	0.00	4,921	192.94	0.11
38.20	0.00	4,882	192.93	0.11
38.30	0.00	4,844	192.92	0.11
38.40	0.00	4,806	192.92	0.11
38.50	0.00	4,768	192.91	0.10
38.60	0.00	4,730	192.90	0.10
38.70	0.00	4,693	192.90	0.10
38.80	0.00	4,656	192.89	0.10
38.90	0.00	4,620	192.88	0.10
39.00	0.00	4,584	192.88	0.10
39.10	0.00	4,548	192.87	0.10
39.20	0.00	4,512	192.86	0.10
39.30	0.00	4,477	192.86	0.10
39.40	0.00	4,442	192.85	0.10
39.50	0.00	4,407	192.84	0.10
39.60	0.00	4,373	192.84	0.09
39.70	0.00	4,339	192.83	0.09
39.80	0.00	4,305	192.83	0.09
39.90	0.00	4,272	192.82	0.09
40.00	0.00	4,239	192.81	0.09

Stage-Discharge for Pond B-56: Basin #56

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
192.00	0.00	192.52	0.02	193.04	0.12	193.56	0.17
192.01	0.00	192.53	0.03	193.05	0.12	193.57	0.17
192.02	0.00	192.54	0.03	193.06	0.12	193.58	0.17
192.03	0.00	192.55	0.03	193.07	0.12	193.59	0.17
192.04	0.00	192.56	0.04	193.08	0.12	193.60	0.17
192.05	0.00	192.57	0.04	193.09	0.13	193.61	0.17
192.06	0.00	192.58	0.05	193.10	0.13	193.62	0.17
192.07	0.00	192.59	0.05	193.11	0.13	193.63	0.17
192.08	0.00	192.60	0.05	193.12	0.13	193.64	0.17
192.09	0.00	192.61	0.05	193.13	0.13	193.65	0.18
192.10	0.00	192.62	0.06	193.14	0.13	193.66	0.18
192.11	0.00	192.63	0.06	193.15	0.13	193.67	0.18
192.12	0.00	192.64	0.06	193.16	0.13	193.68	0.18
192.13	0.00	192.65	0.06	193.17	0.13	193.69	0.18
192.14	0.00	192.66	0.06	193.18	0.13	193.70	0.18
192.15	0.00	192.67	0.07	193.19	0.14	193.71	0.18
192.16	0.00	192.68	0.07	193.20	0.14	193.72	0.18
192.17	0.00	192.69	0.07	193.21	0.14	193.73	0.18
192.18	0.00	192.70	0.07	193.22	0.14	193.74	0.18
192.19	0.00	192.71	0.07	193.23	0.14	193.75	0.18
192.20	0.00	192.72	0.08	193.24	0.14	193.76	0.18
192.21	0.00	192.73	0.08	193.25	0.14	193.77	0.18
192.22	0.00	192.74	0.08	193.26	0.14	193.78	0.19
192.23	0.00	192.75	0.08	193.27	0.14	193.79	0.19
192.24	0.00	192.76	0.08	193.28	0.14	193.80	0.19
192.25	0.00	192.77	0.08	193.29	0.15	193.81	0.19
192.26	0.00	192.78	0.09	193.30	0.15	193.82	0.19
192.27	0.00	192.79	0.09	193.31	0.15	193.83	0.19
192.28	0.00	192.80	0.09	193.32	0.15	193.84	0.19
192.29	0.00	192.81	0.09	193.33	0.15	193.85	0.19
192.30	0.00	192.82	0.09	193.34	0.15	193.86	0.19
192.31	0.00	192.83	0.09	193.35	0.15	193.87	0.19
192.32	0.00	192.84	0.10	193.36	0.15	193.88	0.19
192.33	0.00	192.85	0.10	193.37	0.15	193.89	0.19
192.34	0.00	192.86	0.10	193.38	0.15	193.90	0.19
192.35	0.00	192.87	0.10	193.39	0.15	193.91	0.19
192.36	0.00	192.88	0.10	193.40	0.16	193.92	0.20
192.37	0.00	192.89	0.10	193.41	0.16	193.93	0.20
192.38	0.00	192.90	0.10	193.42	0.16	193.94	0.20
192.39	0.00	192.91	0.10	193.43	0.16	193.95	0.20
192.40	0.00	192.92	0.11	193.44	0.16	193.96	0.20
192.41	0.00	192.93	0.11	193.45	0.16	193.97	0.20
192.42	0.00	192.94	0.11	193.46	0.16	193.98	0.20
192.43	0.00	192.95	0.11	193.47	0.16	193.99	0.20
192.44	0.00	192.96	0.11	193.48	0.16	194.00	0.20
192.45	0.00	192.97	0.11	193.49	0.16	194.01	0.20
192.46	0.01	192.98	0.11	193.50	0.16	194.02	0.20
192.47	0.01	192.99	0.11	193.51	0.16	194.03	0.20
192.48	0.01	193.00	0.12	193.52	0.17	194.04	0.20
192.49	0.01	193.01	0.12	193.53	0.17	194.05	0.20
192.50	0.02	193.02	0.12	193.54	0.17	194.06	0.20
192.51	0.02	193.03	0.12	193.55	0.17	194.07	0.21

Stage-Discharge for Pond B-56: Basin #56 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
194.08	0.21	194.60	0.24	195.12	4.00	195.64	18.17
194.09	0.21	194.61	0.24	195.13	4.13	195.65	19.03
194.10	0.21	194.62	0.24	195.14	4.25	195.66	19.90
194.11	0.21	194.63	0.24	195.15	4.38	195.67	20.81
194.12	0.21	194.64	0.24	195.16	4.51	195.68	21.73
194.13	0.21	194.65	0.24	195.17	4.64	195.69	22.68
194.14	0.21	194.66	0.24	195.18	4.78	195.70	23.65
194.15	0.21	194.67	0.24	195.19	4.91	195.71	24.67
194.16	0.21	194.68	0.24	195.20	5.05	195.72	25.73
194.17	0.21	194.69	0.26	195.21	5.18	195.73	26.81
194.18	0.21	194.70	0.28	195.22	5.32	195.74	27.92
194.19	0.21	194.71	0.31	195.23	5.46	195.75	29.05
194.20	0.21	194.72	0.35	195.24	5.60	195.76	30.21
194.21	0.21	194.73	0.39	195.25	5.74	195.77	31.40
194.22	0.22	194.74	0.44	195.26	5.88	195.78	32.61
194.23	0.22	194.75	0.49	195.27	6.03	195.79	33.84
194.24	0.22	194.76	0.54	195.28	6.17	195.80	35.10
194.25	0.22	194.77	0.60	195.29	6.32	195.81	36.39
194.26	0.22	194.78	0.66	195.30	6.46	195.82	37.70
194.27	0.22	194.79	0.72	195.31	6.61	195.83	39.04
194.28	0.22	194.80	0.79	195.32	6.76	195.84	40.40
194.29	0.22	194.81	0.86	195.33	6.91	195.85	41.78
194.30	0.22	194.82	0.93	195.34	7.06	195.86	43.12
194.31	0.22	194.83	1.00	195.35	7.21	195.87	44.39
194.32	0.22	194.84	1.08	195.36	7.36	195.88	45.68
194.33	0.22	194.85	1.16	195.37	7.52	195.89	46.99
194.34	0.22	194.86	1.24	195.38	7.67	195.90	48.33
194.35	0.22	194.87	1.33	195.39	7.83	195.91	49.72
194.36	0.22	194.88	1.41	195.40	7.98	195.92	51.13
194.37	0.22	194.89	1.50	195.41	8.14	195.93	52.57
194.38	0.22	194.90	1.59	195.42	8.30	195.94	54.04
194.39	0.23	194.91	1.68	195.43	8.46	195.95	55.53
194.40	0.23	194.92	1.77	195.44	8.62	195.96	57.05
194.41	0.23	194.93	1.87	195.45	8.78	195.97	58.59
194.42	0.23	194.94	1.97	195.46	8.94	195.98	60.17
194.43	0.23	194.95	2.07	195.47	9.10	195.99	61.76
194.44	0.23	194.96	2.17	195.48	9.27	196.00	**63.39**
194.45	0.23	194.97	2.27	195.49	9.43		
194.46	0.23	194.98	2.38	195.50	9.60		
194.47	0.23	194.99	2.48	195.51	9.88		
194.48	0.23	195.00	2.59	195.52	10.26		
194.49	0.23	195.01	2.70	195.53	10.71		
194.50	0.23	195.02	2.81	195.54	11.21		
194.51	0.23	195.03	2.92	195.55	11.75		
194.52	0.23	195.04	3.04	195.56	12.33		
194.53	0.23	195.05	3.15	195.57	12.96		
194.54	0.23	195.06	3.27	195.58	13.61		
194.55	0.23	195.07	3.39	195.59	14.30		
194.56	0.24	195.08	3.51	195.60	15.02		
194.57	0.24	195.09	3.63	195.61	15.77		
194.58	0.24	195.10	3.75	195.62	16.54		
194.59	0.24	195.11	3.87	195.63	17.34		

Stage-Area-Storage for Pond B-56: Basin #56

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
192.00	5,021	0	192.52	5,265	2,674
192.01	5,026	50	192.53	5,270	2,727
192.02	5,030	101	192.54	5,274	2,780
192.03	5,035	151	192.55	5,279	2,832
192.04	5,040	201	192.56	5,284	2,885
192.05	5,044	252	192.57	5,288	2,938
192.06	5,049	302	192.58	5,293	2,991
192.07	5,054	353	192.59	5,298	3,044
192.08	5,059	403	192.60	5,302	3,097
192.09	5,063	454	192.61	5,307	3,150
192.10	5,068	504	192.62	5,312	3,203
192.11	5,073	555	192.63	5,316	3,256
192.12	5,077	606	192.64	5,321	3,309
192.13	5,082	657	192.65	5,326	3,363
192.14	5,087	708	192.66	5,331	3,416
192.15	5,091	758	192.67	5,335	3,469
192.16	5,096	809	192.68	5,340	3,523
192.17	5,101	860	192.69	5,345	3,576
192.18	5,105	911	192.70	5,349	3,630
192.19	5,110	962	192.71	5,354	3,683
192.20	5,115	1,014	192.72	5,359	3,737
192.21	5,119	1,065	192.73	5,363	3,790
192.22	5,124	1,116	192.74	5,368	3,844
192.23	5,129	1,167	192.75	5,373	3,898
192.24	5,134	1,219	192.76	5,377	3,951
192.25	5,138	1,270	192.77	5,382	4,005
192.26	5,143	1,321	192.78	5,387	4,059
192.27	5,148	1,373	192.79	5,392	4,113
192.28	5,152	1,424	192.80	5,396	4,167
192.29	5,157	1,476	192.81	5,401	4,221
192.30	5,162	1,527	192.82	5,406	4,275
192.31	5,166	1,579	192.83	5,410	4,329
192.32	5,171	1,631	192.84	5,415	4,383
192.33	5,176	1,682	192.85	5,420	4,437
192.34	5,180	1,734	192.86	5,424	4,491
192.35	5,185	1,786	192.87	5,429	4,546
192.36	5,190	1,838	192.88	5,434	4,600
192.37	5,195	1,890	192.89	5,438	4,654
192.38	5,199	1,942	192.90	5,443	4,709
192.39	5,204	1,994	192.91	5,448	4,763
192.40	5,209	2,046	192.92	5,452	4,818
192.41	5,213	2,098	192.93	5,457	4,872
192.42	5,218	2,150	192.94	5,462	4,927
192.43	5,223	2,202	192.95	5,467	4,982
192.44	5,227	2,255	192.96	5,471	5,036
192.45	5,232	2,307	192.97	5,476	5,091
192.46	5,237	2,359	192.98	5,481	5,146
192.47	5,241	2,412	192.99	5,485	5,201
192.48	5,246	2,464	193.00	5,490	5,256
192.49	5,251	2,517	193.01	5,495	5,310
192.50	5,256	2,569	193.02	5,500	5,365
192.51	5,260	2,622	193.03	5,505	5,420

Stage-Area-Storage for Pond B-56: Basin #56 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
193.04	5,509	5,475	193.56	5,762	8,406
193.05	5,514	5,531	193.57	5,767	8,464
193.06	5,519	5,586	193.58	5,772	8,521
193.07	5,524	5,641	193.59	5,777	8,579
193.08	5,529	5,696	193.60	5,782	8,637
193.09	5,534	5,752	193.61	5,786	8,695
193.10	5,539	5,807	193.62	5,791	8,753
193.11	5,543	5,862	193.63	5,796	8,811
193.12	5,548	5,918	193.64	5,801	8,869
193.13	5,553	5,973	193.65	5,806	8,927
193.14	5,558	6,029	193.66	5,811	8,985
193.15	5,563	6,084	193.67	5,816	9,043
193.16	5,568	6,140	193.68	5,820	9,101
193.17	5,573	6,196	193.69	5,825	9,159
193.18	5,577	6,252	193.70	5,830	9,218
193.19	5,582	6,307	193.71	5,835	9,276
193.20	5,587	6,363	193.72	5,840	9,334
193.21	5,592	6,419	193.73	5,845	9,393
193.22	5,597	6,475	193.74	5,850	9,451
193.23	5,602	6,531	193.75	5,855	9,510
193.24	5,607	6,587	193.76	5,859	9,568
193.25	5,612	6,643	193.77	5,864	9,627
193.26	5,616	6,699	193.78	5,869	9,686
193.27	5,621	6,756	193.79	5,874	9,744
193.28	5,626	6,812	193.80	5,879	9,803
193.29	5,631	6,868	193.81	5,884	9,862
193.30	5,636	6,924	193.82	5,889	9,921
193.31	5,641	6,981	193.83	5,893	9,980
193.32	5,646	7,037	193.84	5,898	10,039
193.33	5,650	7,094	193.85	5,903	10,098
193.34	5,655	7,150	193.86	5,908	10,157
193.35	5,660	7,207	193.87	5,913	10,216
193.36	5,665	7,263	193.88	5,918	10,275
193.37	5,670	7,320	193.89	5,923	10,334
193.38	5,675	7,377	193.90	5,927	10,393
193.39	5,680	7,434	193.91	5,932	10,453
193.40	5,684	7,490	193.92	5,937	10,512
193.41	5,689	7,547	193.93	5,942	10,571
193.42	5,694	7,604	193.94	5,947	10,631
193.43	5,699	7,661	193.95	5,952	10,690
193.44	5,704	7,718	193.96	5,957	10,750
193.45	5,709	7,775	193.97	5,961	10,809
193.46	5,714	7,832	193.98	5,966	10,869
193.47	5,718	7,889	193.99	5,971	10,929
193.48	5,723	7,947	194.00	5,976	10,989
193.49	5,728	8,004	194.01	5,981	11,048
193.50	5,733	8,061	194.02	5,986	11,108
193.51	5,738	8,119	194.03	5,991	11,168
193.52	5,743	8,176	194.04	5,996	11,228
193.53	5,748	8,233	194.05	6,001	11,288
193.54	5,752	8,291	194.06	6,006	11,348
193.55	5,757	8,349	194.07	6,011	11,408

Stage-Area-Storage for Pond B-56: Basin #56 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
194.08	6,016	11,468	194.60	6,277	14,664
194.09	6,021	11,528	194.61	6,282	14,727
194.10	6,026	11,589	194.62	6,287	14,790
194.11	6,031	11,649	194.63	6,292	14,853
194.12	6,036	11,709	194.64	6,297	14,916
194.13	6,041	11,770	194.65	6,302	14,979
194.14	6,046	11,830	194.66	6,307	15,042
194.15	6,051	11,891	194.67	6,312	15,105
194.16	6,056	11,951	194.68	6,317	15,168
194.17	6,061	12,012	194.69	6,322	15,231
194.18	6,066	12,072	194.70	6,327	15,295
194.19	6,071	12,133	194.71	6,332	15,358
194.20	6,076	12,194	194.72	6,337	15,421
194.21	6,081	12,255	194.73	6,342	15,485
194.22	6,086	12,315	194.74	6,347	15,548
194.23	6,091	12,376	194.75	6,353	15,612
194.24	6,096	12,437	194.76	6,358	15,675
194.25	6,102	12,498	194.77	6,363	15,739
194.26	6,107	12,559	194.78	6,368	15,802
194.27	6,112	12,620	194.79	6,373	15,866
194.28	6,117	12,681	194.80	6,378	15,930
194.29	6,122	12,743	194.81	6,383	15,994
194.30	6,127	12,804	194.82	6,388	16,058
194.31	6,132	12,865	194.83	6,393	16,121
194.32	6,137	12,927	194.84	6,398	16,185
194.33	6,142	12,988	194.85	6,403	16,249
194.34	6,147	13,049	194.86	6,408	16,313
194.35	6,152	13,111	194.87	6,413	16,378
194.36	6,157	13,172	194.88	6,418	16,442
194.37	6,162	13,234	194.89	6,423	16,506
194.38	6,167	13,296	194.90	6,428	16,570
194.39	6,172	13,357	194.91	6,433	16,635
194.40	6,177	13,419	194.92	6,438	16,699
194.41	6,182	13,481	194.93	6,443	16,763
194.42	6,187	13,543	194.94	6,448	16,828
194.43	6,192	13,605	194.95	6,453	16,892
194.44	6,197	13,667	194.96	6,458	16,957
194.45	6,202	13,729	194.97	6,463	17,021
194.46	6,207	13,791	194.98	6,468	17,086
194.47	6,212	13,853	194.99	6,473	17,151
194.48	6,217	13,915	195.00	6,478	17,216
194.49	6,222	13,977	195.01	6,483	17,280
194.50	6,227	14,039	195.02	6,488	17,345
194.51	6,232	14,102	195.03	6,494	17,410
194.52	6,237	14,164	195.04	6,499	17,475
194.53	6,242	14,226	195.05	6,504	17,540
194.54	6,247	14,289	195.06	6,509	17,605
194.55	6,252	14,351	195.07	6,514	17,670
194.56	6,257	14,414	195.08	6,519	17,735
194.57	6,262	14,476	195.09	6,525	17,801
194.58	6,267	14,539	195.10	6,530	17,866
194.59	6,272	14,602	195.11	6,535	17,931

Stage-Area-Storage for Pond B-56: Basin #56 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
195.12	6,540	17,997
195.13	6,545	18,062
195.14	6,550	18,127
195.15	6,556	18,193
195.16	6,561	18,259
195.17	6,566	18,324
195.18	6,571	18,390
195.19	6,576	18,456
195.20	6,581	18,521
195.21	6,587	18,587
195.22	6,592	18,653
195.23	6,597	18,719
195.24	6,602	18,785
195.25	6,607	18,851
195.26	6,612	18,917
195.27	6,618	18,983
195.28	6,623	19,050
195.29	6,628	19,116
195.30	6,633	19,182
195.31	6,638	19,249
195.32	6,643	19,315
195.33	6,649	19,381
195.34	6,654	19,448
195.35	6,659	19,514
195.36	6,664	19,581
195.37	6,669	19,648
195.38	6,674	19,714
195.39	6,680	19,781
195.40	6,685	19,848
195.41	6,690	19,915
195.42	6,695	19,982
195.43	6,700	20,049
195.44	6,705	20,116
195.45	6,711	20,183
195.46	6,716	20,250
195.47	6,721	20,317
195.48	6,726	20,384
195.49	6,731	20,452
195.50	6,737	20,519
195.51	6,742	20,587
195.52	6,747	20,654
195.53	6,752	20,721
195.54	6,757	20,789
195.55	6,762	20,857
195.56	6,768	20,924
195.57	6,773	20,992
195.58	6,778	21,060
195.59	6,783	21,128
195.60	6,788	21,195
195.61	6,793	21,263
195.62	6,799	21,331
195.63	6,804	21,399
195.64	6,809	21,467
195.65	6,814	21,535
195.66	6,819	21,604
195.67	6,824	21,672
195.68	6,830	21,740
195.69	6,835	21,808
195.70	6,840	21,877
195.71	6,845	21,945
195.72	6,850	22,014
195.73	6,855	22,082
195.74	6,861	22,151
195.75	6,866	22,219
195.76	6,871	22,288
195.77	6,876	22,357
195.78	6,881	22,426
195.79	6,886	22,494
195.80	6,892	22,563
195.81	6,897	22,632
195.82	6,902	22,701
195.83	6,907	22,770
195.84	6,912	22,839
195.85	6,917	22,909
195.86	6,923	22,978
195.87	6,928	23,047
195.88	6,933	23,116
195.89	6,938	23,186
195.90	6,943	23,255
195.91	6,948	23,325
195.92	6,954	23,394
195.93	6,959	23,464
195.94	6,964	23,533
195.95	6,969	23,603
195.96	6,974	23,673
195.97	6,979	23,742
195.98	6,985	23,812
195.99	6,990	23,882
196.00	**6,995**	**23,952**

Summary for Pond B-57: Basin #57

Inflow Area = 1.434 ac, 47.56% Impervious, Inflow Depth = 6.69" for Current 100 yr event
Inflow = 10.69 cfs @ 12.10 hrs, Volume= 0.799 af
Outflow = 8.41 cfs @ 12.16 hrs, Volume= 0.718 af, Atten= 21%, Lag= 3.8 min
Primary = 8.41 cfs @ 12.16 hrs, Volume= 0.718 af
Routed to Pond B-58 : Basin #58

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 204.05' @ 12.16 hrs Surf.Area= 5,096 sf Storage= 9,261 cf

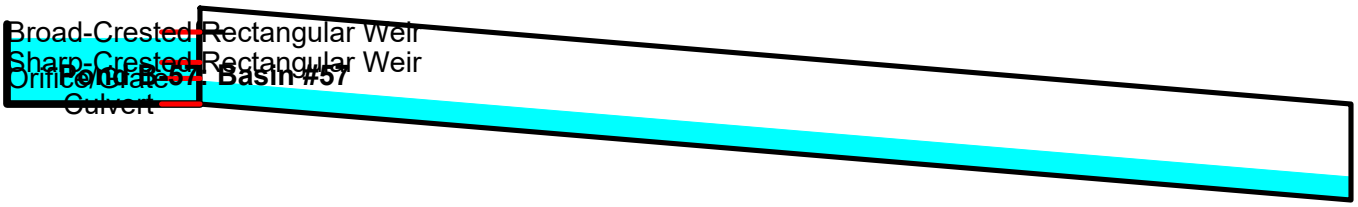
Plug-Flow detention time= 171.8 min calculated for 0.717 af (90% of inflow)
Center-of-Mass det. time= 120.5 min (892.3 - 771.8)

Volume	Invert	Avail.Storage	Storage Description
#1	202.00'	11,650 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

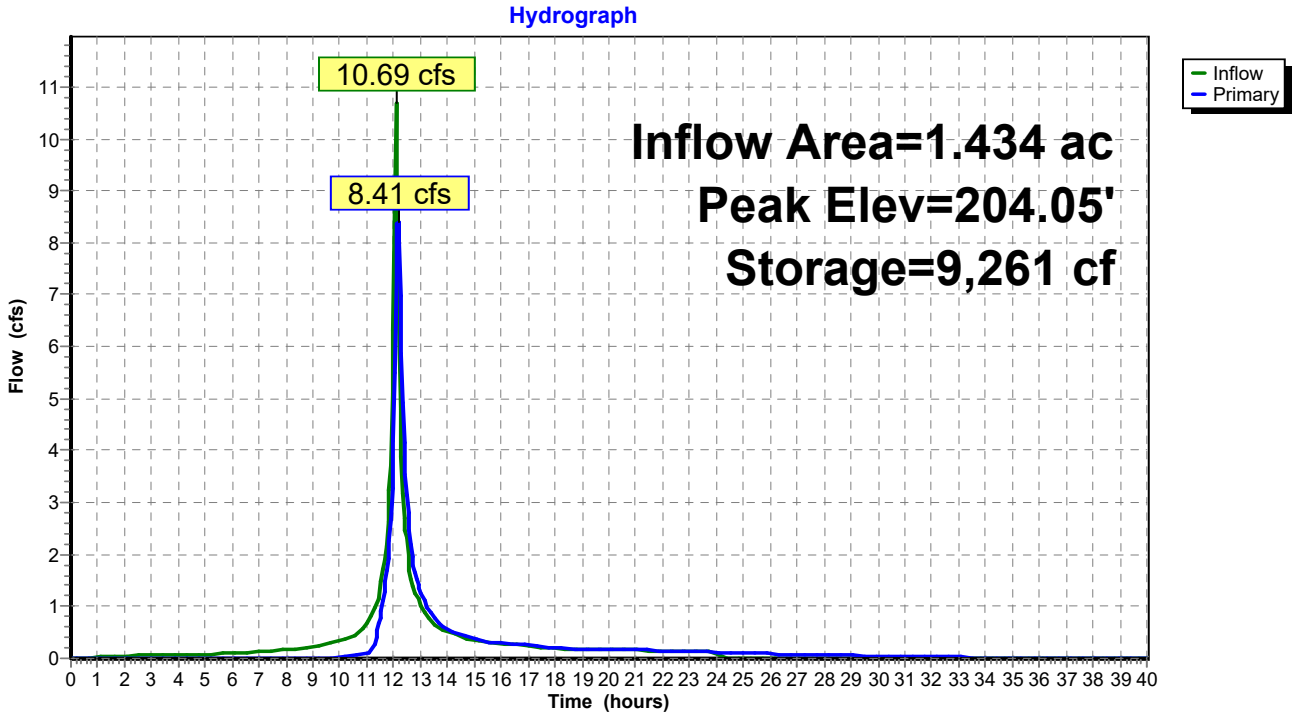
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
202.00	3,969	0	0
203.00	4,488	4,229	4,229
204.00	5,034	4,761	8,990
204.50	5,608	2,661	11,650

Device	Routing	Invert	Outlet Devices
#1	Primary	202.00'	**36.0" Round Culvert** L= 252.0' Ke= 0.500 Inlet / Outlet Invert= 202.00' / 199.00' S= 0.0119 '/' Cc= 0.900 n= 0.013, Flow Area= 7.07 sf
#2	Device 1	202.80'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	203.30'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	204.25'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=8.27 cfs @ 12.16 hrs HW=204.04' (Free Discharge)
- **1=Culvert** (Passes 8.27 cfs of 24.99 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.18 cfs @ 5.14 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 8.09 cfs @ 2.82 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-57: Basin #57



Hydrograph for Pond B-57: Basin #57

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	202.00	0.00
0.10	0.00	0	202.00	0.00
0.20	0.00	0	202.00	0.00
0.30	0.00	0	202.00	0.00
0.40	0.00	0	202.00	0.00
0.50	0.00	0	202.00	0.00
0.60	0.01	1	202.00	0.00
0.70	0.01	4	202.00	0.00
0.80	0.01	9	202.00	0.00
0.90	0.02	15	202.00	0.00
1.00	0.02	22	202.01	0.00
1.10	0.03	31	202.01	0.00
1.20	0.03	40	202.01	0.00
1.30	0.03	51	202.01	0.00
1.40	0.03	63	202.02	0.00
1.50	0.04	75	202.02	0.00
1.60	0.04	89	202.02	0.00
1.70	0.04	103	202.03	0.00
1.80	0.04	118	202.03	0.00
1.90	0.04	133	202.03	0.00
2.00	0.05	150	202.04	0.00
2.10	0.05	167	202.04	0.00
2.20	0.05	184	202.05	0.00
2.30	0.05	203	202.05	0.00
2.40	0.05	221	202.06	0.00
2.50	0.05	241	202.06	0.00
2.60	0.06	261	202.07	0.00
2.70	0.06	281	202.07	0.00
2.80	0.06	302	202.08	0.00
2.90	0.06	323	202.08	0.00
3.00	0.06	345	202.09	0.00
3.10	0.06	367	202.09	0.00
3.20	0.06	389	202.10	0.00
3.30	0.06	412	202.10	0.00
3.40	0.07	436	202.11	0.00
3.50	0.07	459	202.11	0.00
3.60	0.07	484	202.12	0.00
3.70	0.07	508	202.13	0.00
3.80	0.07	533	202.13	0.00
3.90	0.07	558	202.14	0.00
4.00	0.07	584	202.15	0.00
4.10	0.07	610	202.15	0.00
4.20	0.07	636	202.16	0.00
4.30	0.07	662	202.17	0.00
4.40	0.08	689	202.17	0.00
4.50	0.08	717	202.18	0.00
4.60	0.08	744	202.19	0.00
4.70	0.08	772	202.19	0.00
4.80	0.08	800	202.20	0.00
4.90	0.08	828	202.21	0.00
5.00	0.08	857	202.21	0.00
5.10	0.08	886	202.22	0.00

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.08	915	202.23	0.00
5.30	0.08	945	202.23	0.00
5.40	0.08	975	202.24	0.00
5.50	0.08	1,005	202.25	0.00
5.60	0.08	1,035	202.26	0.00
5.70	0.09	1,066	202.26	0.00
5.80	0.09	1,097	202.27	0.00
5.90	0.09	1,128	202.28	0.00
6.00	0.09	1,159	202.29	0.00
6.10	0.09	1,191	202.29	0.00
6.20	0.09	1,224	202.30	0.00
6.30	0.09	1,258	202.31	0.00
6.40	0.10	1,293	202.32	0.00
6.50	0.10	1,329	202.33	0.00
6.60	0.10	1,366	202.34	0.00
6.70	0.11	1,404	202.35	0.00
6.80	0.11	1,443	202.36	0.00
6.90	0.11	1,484	202.37	0.00
7.00	0.12	1,526	202.38	0.00
7.10	0.12	1,569	202.39	0.00
7.20	0.13	1,614	202.40	0.00
7.30	0.13	1,660	202.41	0.00
7.40	0.13	1,707	202.42	0.00
7.50	0.14	1,756	202.43	0.00
7.60	0.14	1,806	202.44	0.00
7.70	0.15	1,858	202.45	0.00
7.80	0.15	1,911	202.47	0.00
7.90	0.15	1,965	202.48	0.00
8.00	0.16	2,021	202.49	0.00
8.10	0.16	2,079	202.51	0.00
8.20	0.17	2,138	202.52	0.00
8.30	0.17	2,198	202.54	0.00
8.40	0.17	2,260	202.55	0.00
8.50	0.18	2,323	202.56	0.00
8.60	0.18	2,388	202.58	0.00
8.70	0.19	2,455	202.60	0.00
8.80	0.19	2,523	202.61	0.00
8.90	0.20	2,593	202.63	0.00
9.00	0.20	2,665	202.64	0.00
9.10	0.21	2,739	202.66	0.00
9.20	0.22	2,818	202.68	0.00
9.30	0.24	2,902	202.70	0.00
9.40	0.25	2,990	202.72	0.00
9.50	0.26	3,083	202.74	0.00
9.60	0.28	3,181	202.76	0.00
9.70	0.29	3,284	202.79	0.00
9.80	0.31	3,392	202.81	0.00
9.90	0.32	3,504	202.84	0.00
10.00	0.34	3,621	202.86	0.01
10.10	0.35	3,741	202.89	0.01
10.20	0.37	3,863	202.92	0.02
10.30	0.38	3,988	202.95	0.03

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.40	4,115	202.97	0.04
10.50	0.41	4,244	203.00	0.05
10.60	0.46	4,381	203.03	0.06
10.70	0.51	4,534	203.07	0.07
10.80	0.56	4,702	203.10	0.07
10.90	0.62	4,888	203.15	0.08
11.00	0.68	5,091	203.19	0.09
11.10	0.77	5,319	203.24	0.10
11.20	0.87	5,580	203.30	0.10
11.30	0.98	5,850	203.35	0.27
11.40	1.09	6,077	203.40	0.54
11.50	1.19	6,247	203.44	0.79
11.60	1.73	6,439	203.48	1.10
11.70	1.98	6,646	203.52	1.48
11.80	2.64	6,870	203.57	1.94
11.90	3.73	7,203	203.64	2.67
12.00	6.31	7,814	203.76	4.18
12.10	**10.69**	**8,894**	**203.98**	**7.27**
12.20	6.45	**9,143**	**204.03**	**8.04**
12.30	3.86	8,423	203.89	5.87
12.40	2.70	7,797	203.76	4.14
12.50	2.32	7,397	203.68	3.13
12.60	1.70	7,114	203.62	2.46
12.70	1.43	6,879	203.57	1.95
12.80	1.29	6,724	203.54	1.64
12.90	1.17	6,617	203.52	1.43
13.00	1.05	6,531	203.50	1.27
13.10	0.93	6,456	203.48	1.13
13.20	0.85	6,389	203.47	1.02
13.30	0.79	6,334	203.46	0.93
13.40	0.72	6,286	203.45	0.85
13.50	0.66	6,241	203.44	0.78
13.60	0.60	6,198	203.43	0.71
13.70	0.56	6,159	203.42	0.66
13.80	0.54	6,130	203.41	0.61
13.90	0.53	6,108	203.41	0.58
14.00	0.51	6,089	203.40	0.56
14.10	0.49	6,073	203.40	0.54
14.20	0.48	6,058	203.40	0.52
14.30	0.46	6,044	203.39	0.50
14.40	0.44	6,030	203.39	0.48
14.50	0.43	6,016	203.39	0.46
14.60	0.41	6,003	203.39	0.45
14.70	0.39	5,990	203.38	0.43
14.80	0.38	5,977	203.38	0.41
14.90	0.36	5,964	203.38	0.40
15.00	0.34	5,949	203.37	0.38
15.10	0.33	5,935	203.37	0.37
15.20	0.32	5,921	203.37	0.35
15.30	0.31	5,910	203.37	0.34
15.40	0.31	5,902	203.36	0.33
15.50	0.30	5,894	203.36	0.32

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.30	5,888	203.36	0.32
15.70	0.29	5,882	203.36	0.31
15.80	0.29	5,877	203.36	0.30
15.90	0.29	5,872	203.36	0.30
16.00	0.28	5,868	203.36	0.29
16.10	0.28	5,863	203.36	0.29
16.20	0.27	5,859	203.36	0.28
16.30	0.27	5,855	203.35	0.28
16.40	0.26	5,851	203.35	0.27
16.50	0.26	5,847	203.35	0.27
16.60	0.25	5,842	203.35	0.27
16.70	0.25	5,838	203.35	0.26
16.80	0.24	5,834	203.35	0.26
16.90	0.24	5,830	203.35	0.25
17.00	0.24	5,825	203.35	0.25
17.10	0.23	5,820	203.35	0.25
17.20	0.23	5,815	203.35	0.24
17.30	0.22	5,810	203.35	0.24
17.40	0.22	5,805	203.34	0.23
17.50	0.21	5,799	203.34	0.23
17.60	0.21	5,794	203.34	0.22
17.70	0.20	5,789	203.34	0.22
17.80	0.20	5,783	203.34	0.22
17.90	0.20	5,778	203.34	0.21
18.00	0.19	5,772	203.34	0.21
18.10	0.19	5,766	203.34	0.20
18.20	0.18	5,761	203.33	0.20
18.30	0.18	5,757	203.33	0.19
18.40	0.18	5,753	203.33	0.19
18.50	0.18	5,750	203.33	0.19
18.60	0.18	5,747	203.33	0.19
18.70	0.18	5,745	203.33	0.18
18.80	0.18	5,743	203.33	0.18
18.90	0.18	5,741	203.33	0.18
19.00	0.18	5,739	203.33	0.18
19.10	0.17	5,737	203.33	0.18
19.20	0.17	5,736	203.33	0.18
19.30	0.17	5,734	203.33	0.18
19.40	0.17	5,733	203.33	0.17
19.50	0.17	5,731	203.33	0.17
19.60	0.17	5,730	203.33	0.17
19.70	0.17	5,728	203.33	0.17
19.80	0.17	5,727	203.33	0.17
19.90	0.17	5,726	203.33	0.17
20.00	0.16	5,724	203.33	0.17
20.10	0.16	5,723	203.33	0.17
20.20	0.16	5,721	203.33	0.17
20.30	0.16	5,720	203.33	0.16
20.40	0.16	5,718	203.33	0.16
20.50	0.16	5,717	203.33	0.16
20.60	0.16	5,716	203.32	0.16
20.70	0.16	5,714	203.32	0.16

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.16	5,713	203.32	0.16
20.90	0.15	5,711	203.32	0.16
21.00	0.15	5,710	203.32	0.16
21.10	0.15	5,709	203.32	0.16
21.20	0.15	5,707	203.32	0.15
21.30	0.15	5,706	203.32	0.15
21.40	0.15	5,704	203.32	0.15
21.50	0.15	5,703	203.32	0.15
21.60	0.15	5,702	203.32	0.15
21.70	0.14	5,700	203.32	0.15
21.80	0.14	5,699	203.32	0.15
21.90	0.14	5,697	203.32	0.15
22.00	0.14	5,696	203.32	0.15
22.10	0.14	5,694	203.32	0.14
22.20	0.14	5,693	203.32	0.14
22.30	0.14	5,692	203.32	0.14
22.40	0.14	5,690	203.32	0.14
22.50	0.14	5,688	203.32	0.14
22.60	0.14	5,686	203.32	0.14
22.70	0.13	5,685	203.32	0.14
22.80	0.13	5,682	203.32	0.14
22.90	0.13	5,680	203.32	0.14
23.00	0.13	5,678	203.32	0.14
23.10	0.13	5,676	203.32	0.14
23.20	0.13	5,673	203.32	0.13
23.30	0.13	5,671	203.32	0.13
23.40	0.13	5,668	203.31	0.13
23.50	0.12	5,666	203.31	0.13
23.60	0.12	5,663	203.31	0.13
23.70	0.12	5,661	203.31	0.13
23.80	0.12	5,658	203.31	0.13
23.90	0.12	5,656	203.31	0.13
24.00	0.14	5,656	203.31	0.13
24.10	0.04	5,644	203.31	0.12
24.20	0.01	5,610	203.30	0.11
24.30	0.00	5,574	203.29	0.10
24.40	0.00	5,537	203.29	0.10
24.50	0.00	5,501	203.28	0.10
24.60	0.00	5,465	203.27	0.10
24.70	0.00	5,430	203.26	0.10
24.80	0.00	5,394	203.26	0.10
24.90	0.00	5,359	203.25	0.10
25.00	0.00	5,325	203.24	0.10
25.10	0.00	5,291	203.23	0.09
25.20	0.00	5,257	203.23	0.09
25.30	0.00	5,224	203.22	0.09
25.40	0.00	5,191	203.21	0.09
25.50	0.00	5,158	203.20	0.09
25.60	0.00	5,126	203.20	0.09
25.70	0.00	5,094	203.19	0.09
25.80	0.00	5,063	203.18	0.09
25.90	0.00	5,032	203.18	0.09

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	5,001	203.17	0.08
26.10	0.00	4,971	203.16	0.08
26.20	0.00	4,941	203.16	0.08
26.30	0.00	4,911	203.15	0.08
26.40	0.00	4,882	203.14	0.08
26.50	0.00	4,854	203.14	0.08
26.60	0.00	4,825	203.13	0.08
26.70	0.00	4,797	203.13	0.08
26.80	0.00	4,770	203.12	0.08
26.90	0.00	4,742	203.11	0.08
27.00	0.00	4,716	203.11	0.07
27.10	0.00	4,689	203.10	0.07
27.20	0.00	4,663	203.10	0.07
27.30	0.00	4,637	203.09	0.07
27.40	0.00	4,612	203.09	0.07
27.50	0.00	4,587	203.08	0.07
27.60	0.00	4,563	203.07	0.07
27.70	0.00	4,538	203.07	0.07
27.80	0.00	4,515	203.06	0.07
27.90	0.00	4,491	203.06	0.06
28.00	0.00	4,468	203.05	0.06
28.10	0.00	4,446	203.05	0.06
28.20	0.00	4,423	203.04	0.06
28.30	0.00	4,402	203.04	0.06
28.40	0.00	4,380	203.03	0.06
28.50	0.00	4,359	203.03	0.06
28.60	0.00	4,338	203.02	0.06
28.70	0.00	4,318	203.02	0.06
28.80	0.00	4,298	203.02	0.05
28.90	0.00	4,279	203.01	0.05
29.00	0.00	4,260	203.01	0.05
29.10	0.00	4,241	203.00	0.05
29.20	0.00	4,222	203.00	0.05
29.30	0.00	4,204	202.99	0.05
29.40	0.00	4,186	202.99	0.05
29.50	0.00	4,169	202.99	0.05
29.60	0.00	4,152	202.98	0.05
29.70	0.00	4,136	202.98	0.04
29.80	0.00	4,120	202.98	0.04
29.90	0.00	4,105	202.97	0.04
30.00	0.00	4,090	202.97	0.04
30.10	0.00	4,075	202.97	0.04
30.20	0.00	4,061	202.96	0.04
30.30	0.00	4,047	202.96	0.04
30.40	0.00	4,033	202.96	0.04
30.50	0.00	4,020	202.95	0.04
30.60	0.00	4,007	202.95	0.03
30.70	0.00	3,995	202.95	0.03
30.80	0.00	3,983	202.95	0.03
30.90	0.00	3,971	202.94	0.03
31.00	0.00	3,960	202.94	0.03
31.10	0.00	3,949	202.94	0.03

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	3,938	202.94	0.03
31.30	0.00	3,928	202.93	0.03
31.40	0.00	3,918	202.93	0.03
31.50	0.00	3,908	202.93	0.03
31.60	0.00	3,898	202.93	0.03
31.70	0.00	3,889	202.92	0.03
31.80	0.00	3,880	202.92	0.02
31.90	0.00	3,871	202.92	0.02
32.00	0.00	3,863	202.92	0.02
32.10	0.00	3,854	202.92	0.02
32.20	0.00	3,846	202.91	0.02
32.30	0.00	3,838	202.91	0.02
32.40	0.00	3,831	202.91	0.02
32.50	0.00	3,823	202.91	0.02
32.60	0.00	3,816	202.91	0.02
32.70	0.00	3,809	202.91	0.02
32.80	0.00	3,802	202.90	0.02
32.90	0.00	3,795	202.90	0.02
33.00	0.00	3,789	202.90	0.02
33.10	0.00	3,782	202.90	0.02
33.20	0.00	3,776	202.90	0.02
33.30	0.00	3,770	202.90	0.02
33.40	0.00	3,764	202.90	0.02
33.50	0.00	3,758	202.89	0.02
33.60	0.00	3,753	202.89	0.02
33.70	0.00	3,747	202.89	0.02
33.80	0.00	3,742	202.89	0.01
33.90	0.00	3,736	202.89	0.01
34.00	0.00	3,731	202.89	0.01
34.10	0.00	3,726	202.89	0.01
34.20	0.00	3,721	202.89	0.01
34.30	0.00	3,716	202.89	0.01
34.40	0.00	3,712	202.88	0.01
34.50	0.00	3,707	202.88	0.01
34.60	0.00	3,703	202.88	0.01
34.70	0.00	3,698	202.88	0.01
34.80	0.00	3,694	202.88	0.01
34.90	0.00	3,690	202.88	0.01
35.00	0.00	3,686	202.88	0.01
35.10	0.00	3,681	202.88	0.01
35.20	0.00	3,678	202.88	0.01
35.30	0.00	3,674	202.88	0.01
35.40	0.00	3,670	202.87	0.01
35.50	0.00	3,666	202.87	0.01
35.60	0.00	3,663	202.87	0.01
35.70	0.00	3,659	202.87	0.01
35.80	0.00	3,656	202.87	0.01
35.90	0.00	3,652	202.87	0.01
36.00	0.00	3,649	202.87	0.01
36.10	0.00	3,646	202.87	0.01
36.20	0.00	3,643	202.87	0.01
36.30	0.00	3,639	202.87	0.01

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	3,636	202.87	0.01
36.50	0.00	3,633	202.87	0.01
36.60	0.00	3,630	202.87	0.01
36.70	0.00	3,627	202.87	0.01
36.80	0.00	3,625	202.86	0.01
36.90	0.00	3,622	202.86	0.01
37.00	0.00	3,619	202.86	0.01
37.10	0.00	3,616	202.86	0.01
37.20	0.00	3,614	202.86	0.01
37.30	0.00	3,611	202.86	0.01
37.40	0.00	3,608	202.86	0.01
37.50	0.00	3,606	202.86	0.01
37.60	0.00	3,603	202.86	0.01
37.70	0.00	3,601	202.86	0.01
37.80	0.00	3,598	202.86	0.01
37.90	0.00	3,596	202.86	0.01
38.00	0.00	3,593	202.86	0.01
38.10	0.00	3,591	202.86	0.01
38.20	0.00	3,589	202.86	0.01
38.30	0.00	3,587	202.86	0.01
38.40	0.00	3,584	202.86	0.01
38.50	0.00	3,582	202.85	0.01
38.60	0.00	3,580	202.85	0.01
38.70	0.00	3,578	202.85	0.01
38.80	0.00	3,576	202.85	0.01
38.90	0.00	3,574	202.85	0.01
39.00	0.00	3,572	202.85	0.01
39.10	0.00	3,570	202.85	0.01
39.20	0.00	3,568	202.85	0.01
39.30	0.00	3,566	202.85	0.01
39.40	0.00	3,564	202.85	0.01
39.50	0.00	3,562	202.85	0.01
39.60	0.00	3,560	202.85	0.01
39.70	0.00	3,558	202.85	0.00
39.80	0.00	3,557	202.85	0.00
39.90	0.00	3,555	202.85	0.00
40.00	0.00	3,553	202.85	0.00

Stage-Discharge for Pond B-57: Basin #57

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
202.00	0.00	202.52	0.00	203.04	0.06	203.56	1.84
202.01	0.00	202.53	0.00	203.05	0.06	203.57	1.94
202.02	0.00	202.54	0.00	203.06	0.06	203.58	2.05
202.03	0.00	202.55	0.00	203.07	0.07	203.59	2.15
202.04	0.00	202.56	0.00	203.08	0.07	203.60	2.25
202.05	0.00	202.57	0.00	203.09	0.07	203.61	2.36
202.06	0.00	202.58	0.00	203.10	0.07	203.62	2.47
202.07	0.00	202.59	0.00	203.11	0.07	203.63	2.58
202.08	0.00	202.60	0.00	203.12	0.08	203.64	2.69
202.09	0.00	202.61	0.00	203.13	0.08	203.65	2.80
202.10	0.00	202.62	0.00	203.14	0.08	203.66	2.92
202.11	0.00	202.63	0.00	203.15	0.08	203.67	3.03
202.12	0.00	202.64	0.00	203.16	0.08	203.68	3.15
202.13	0.00	202.65	0.00	203.17	0.08	203.69	3.27
202.14	0.00	202.66	0.00	203.18	0.09	203.70	3.39
202.15	0.00	202.67	0.00	203.19	0.09	203.71	3.51
202.16	0.00	202.68	0.00	203.20	0.09	203.72	3.63
202.17	0.00	202.69	0.00	203.21	0.09	203.73	3.76
202.18	0.00	202.70	0.00	203.22	0.09	203.74	3.88
202.19	0.00	202.71	0.00	203.23	0.09	203.75	4.01
202.20	0.00	202.72	0.00	203.24	0.10	203.76	4.14
202.21	0.00	202.73	0.00	203.25	0.10	203.77	4.27
202.22	0.00	202.74	0.00	203.26	0.10	203.78	4.40
202.23	0.00	202.75	0.00	203.27	0.10	203.79	4.53
202.24	0.00	202.76	0.00	203.28	0.10	203.80	4.66
202.25	0.00	202.77	0.00	203.29	0.10	203.81	4.80
202.26	0.00	202.78	0.00	203.30	0.10	203.82	4.93
202.27	0.00	202.79	0.00	203.31	0.12	203.83	5.07
202.28	0.00	202.80	0.00	203.32	0.14	203.84	5.21
202.29	0.00	202.81	0.00	203.33	0.17	203.85	5.35
202.30	0.00	202.82	0.00	203.34	0.21	203.86	5.49
202.31	0.00	202.83	0.00	203.35	0.26	203.87	5.63
202.32	0.00	202.84	0.00	203.36	0.30	203.88	5.77
202.33	0.00	202.85	0.00	203.37	0.35	203.89	5.92
202.34	0.00	202.86	0.01	203.38	0.41	203.90	6.06
202.35	0.00	202.87	0.01	203.39	0.47	203.91	6.21
202.36	0.00	202.88	0.01	203.40	0.53	203.92	6.35
202.37	0.00	202.89	0.01	203.41	0.59	203.93	6.50
202.38	0.00	202.90	0.02	203.42	0.66	203.94	6.65
202.39	0.00	202.91	0.02	203.43	0.73	203.95	6.80
202.40	0.00	202.92	0.02	203.44	0.80	203.96	6.95
202.41	0.00	202.93	0.03	203.45	0.88	203.97	7.10
202.42	0.00	202.94	0.03	203.46	0.95	203.98	7.26
202.43	0.00	202.95	0.03	203.47	1.03	203.99	7.41
202.44	0.00	202.96	0.04	203.48	1.11	204.00	7.56
202.45	0.00	202.97	0.04	203.49	1.20	204.01	7.72
202.46	0.00	202.98	0.05	203.50	1.28	204.02	7.88
202.47	0.00	202.99	0.05	203.51	1.37	204.03	8.03
202.48	0.00	203.00	0.05	203.52	1.46	204.04	8.19
202.49	0.00	203.01	0.05	203.53	1.56	204.05	8.35
202.50	0.00	203.02	0.06	203.54	1.65	204.06	8.51
202.51	0.00	203.03	0.06	203.55	1.75	204.07	8.67

Stage-Discharge for Pond B-57: Basin #57 (continued)

Elevation (feet)	Primary (cfs)
204.08	8.84
204.09	9.00
204.10	9.16
204.11	9.33
204.12	9.50
204.13	9.66
204.14	9.83
204.15	10.00
204.16	10.17
204.17	10.34
204.18	10.51
204.19	10.68
204.20	10.85
204.21	11.03
204.22	11.20
204.23	11.37
204.24	11.55
204.25	11.73
204.26	12.02
204.27	12.41
204.28	12.87
204.29	13.38
204.30	13.93
204.31	14.53
204.32	15.16
204.33	15.82
204.34	16.52
204.35	17.25
204.36	18.01
204.37	18.79
204.38	19.61
204.39	20.44
204.40	21.31
204.41	22.19
204.42	23.11
204.43	24.04
204.44	24.99
204.45	25.97
204.46	27.01
204.47	28.07
204.48	29.16
204.49	30.28
204.50	31.42
204.51	32.59
204.52	33.78
204.53	35.00
204.54	36.25
204.55	37.52
204.56	38.81
204.57	40.13
204.58	41.47
204.59	42.84
204.60	44.24
204.61	45.66
204.62	47.10
204.63	48.57
204.64	50.06
204.65	51.58
204.66	53.15
204.67	54.74
204.68	56.37
204.69	58.01
204.70	59.69
204.71	61.39
204.72	63.12
204.73	64.88
204.74	66.66
204.75	68.47
204.76	70.31
204.77	72.17
204.78	74.06
204.79	75.98
204.80	77.93
204.81	79.90
204.82	81.90
204.83	83.93
204.84	85.98
204.85	88.06
204.86	89.90
204.87	91.76
204.88	93.63
204.89	95.51
204.90	97.40
204.91	99.31
204.92	101.24
204.93	103.17
204.94	105.12
204.95	107.09
204.96	109.07
204.97	111.06
204.98	113.06
204.99	115.07
205.00	**117.10**

Stage-Area-Storage for Pond B-57: Basin #57

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
202.00	3,969	0	202.52	4,239	2,134
202.01	3,974	40	202.53	4,244	2,176
202.02	3,979	79	202.54	4,249	2,219
202.03	3,985	119	202.55	4,254	2,261
202.04	3,990	159	202.56	4,260	2,304
202.05	3,995	199	202.57	4,265	2,347
202.06	4,000	239	202.58	4,270	2,389
202.07	4,005	279	202.59	4,275	2,432
202.08	4,011	319	202.60	4,280	2,475
202.09	4,016	359	202.61	4,286	2,518
202.10	4,021	399	202.62	4,291	2,561
202.11	4,026	440	202.63	4,296	2,603
202.12	4,031	480	202.64	4,301	2,646
202.13	4,036	520	202.65	4,306	2,689
202.14	4,042	561	202.66	4,312	2,733
202.15	4,047	601	202.67	4,317	2,776
202.16	4,052	642	202.68	4,322	2,819
202.17	4,057	682	202.69	4,327	2,862
202.18	4,062	723	202.70	4,332	2,905
202.19	4,068	763	202.71	4,337	2,949
202.20	4,073	804	202.72	4,343	2,992
202.21	4,078	845	202.73	4,348	3,036
202.22	4,083	886	202.74	4,353	3,079
202.23	4,088	927	202.75	4,358	3,123
202.24	4,094	968	202.76	4,363	3,166
202.25	4,099	1,008	202.77	4,369	3,210
202.26	4,104	1,049	202.78	4,374	3,254
202.27	4,109	1,091	202.79	4,379	3,297
202.28	4,114	1,132	202.80	4,384	3,341
202.29	4,120	1,173	202.81	4,389	3,385
202.30	4,125	1,214	202.82	4,395	3,429
202.31	4,130	1,255	202.83	4,400	3,473
202.32	4,135	1,297	202.84	4,405	3,517
202.33	4,140	1,338	202.85	4,410	3,561
202.34	4,145	1,379	202.86	4,415	3,605
202.35	4,151	1,421	202.87	4,421	3,649
202.36	4,156	1,462	202.88	4,426	3,694
202.37	4,161	1,504	202.89	4,431	3,738
202.38	4,166	1,546	202.90	4,436	3,782
202.39	4,171	1,587	202.91	4,441	3,827
202.40	4,177	1,629	202.92	4,446	3,871
202.41	4,182	1,671	202.93	4,452	3,916
202.42	4,187	1,713	202.94	4,457	3,960
202.43	4,192	1,755	202.95	4,462	4,005
202.44	4,197	1,797	202.96	4,467	4,049
202.45	4,203	1,839	202.97	4,472	4,094
202.46	4,208	1,881	202.98	4,478	4,139
202.47	4,213	1,923	202.99	4,483	4,184
202.48	4,218	1,965	203.00	4,488	4,229
202.49	4,223	2,007	203.01	4,493	4,273
202.50	4,229	2,049	203.02	4,499	4,318
202.51	4,234	2,092	203.03	4,504	4,363

Stage-Area-Storage for Pond B-57: Basin #57 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
203.04	4,510	4,408	203.56	4,794	6,827
203.05	4,515	4,454	203.57	4,799	6,875
203.06	4,521	4,499	203.58	4,805	6,923
203.07	4,526	4,544	203.59	4,810	6,971
203.08	4,532	4,589	203.60	4,816	7,020
203.09	4,537	4,635	203.61	4,821	7,068
203.10	4,543	4,680	203.62	4,827	7,116
203.11	4,548	4,725	203.63	4,832	7,164
203.12	4,554	4,771	203.64	4,837	7,213
203.13	4,559	4,817	203.65	4,843	7,261
203.14	4,564	4,862	203.66	4,848	7,309
203.15	4,570	4,908	203.67	4,854	7,358
203.16	4,575	4,954	203.68	4,859	7,407
203.17	4,581	4,999	203.69	4,865	7,455
203.18	4,586	5,045	203.70	4,870	7,504
203.19	4,592	5,091	203.71	4,876	7,553
203.20	4,597	5,137	203.72	4,881	7,601
203.21	4,603	5,183	203.73	4,887	7,650
203.22	4,608	5,229	203.74	4,892	7,699
203.23	4,614	5,275	203.75	4,898	7,748
203.24	4,619	5,321	203.76	4,903	7,797
203.25	4,625	5,368	203.77	4,908	7,846
203.26	4,630	5,414	203.78	4,914	7,895
203.27	4,635	5,460	203.79	4,919	7,944
203.28	4,641	5,507	203.80	4,925	7,994
203.29	4,646	5,553	203.81	4,930	8,043
203.30	4,652	5,599	203.82	4,936	8,092
203.31	4,657	5,646	203.83	4,941	8,142
203.32	4,663	5,693	203.84	4,947	8,191
203.33	4,668	5,739	203.85	4,952	8,241
203.34	4,674	5,786	203.86	4,958	8,290
203.35	4,679	5,833	203.87	4,963	8,340
203.36	4,685	5,880	203.88	4,968	8,389
203.37	4,690	5,926	203.89	4,974	8,439
203.38	4,695	5,973	203.90	4,979	8,489
203.39	4,701	6,020	203.91	4,985	8,539
203.40	4,706	6,067	203.92	4,990	8,589
203.41	4,712	6,114	203.93	4,996	8,638
203.42	4,717	6,162	203.94	5,001	8,688
203.43	4,723	6,209	203.95	5,007	8,738
203.44	4,728	6,256	203.96	5,012	8,789
203.45	4,734	6,303	203.97	5,018	8,839
203.46	4,739	6,351	203.98	5,023	8,889
203.47	4,745	6,398	203.99	5,029	8,939
203.48	4,750	6,446	204.00	5,034	8,990
203.49	4,756	6,493	204.01	5,045	9,040
203.50	4,761	6,541	204.02	5,057	9,090
203.51	4,766	6,588	204.03	5,068	9,141
203.52	4,772	6,636	204.04	5,080	9,192
203.53	4,777	6,684	204.05	5,091	9,243
203.54	4,783	6,732	204.06	5,103	9,294
203.55	4,788	6,779	204.07	5,114	9,345

Stage-Area-Storage for Pond B-57: Basin #57 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
204.08	5,126	9,396
204.09	5,137	9,447
204.10	5,149	9,499
204.11	5,160	9,550
204.12	5,172	9,602
204.13	5,183	9,654
204.14	5,195	9,706
204.15	5,206	9,758
204.16	5,218	9,810
204.17	5,229	9,862
204.18	5,241	9,914
204.19	5,252	9,967
204.20	5,264	10,019
204.21	5,275	10,072
204.22	5,287	10,125
204.23	5,298	10,178
204.24	5,310	10,231
204.25	5,321	10,284
204.26	5,332	10,337
204.27	5,344	10,391
204.28	5,355	10,444
204.29	5,367	10,498
204.30	5,378	10,551
204.31	5,390	10,605
204.32	5,401	10,659
204.33	5,413	10,713
204.34	5,424	10,767
204.35	5,436	10,822
204.36	5,447	10,876
204.37	5,459	10,931
204.38	5,470	10,985
204.39	5,482	11,040
204.40	5,493	11,095
204.41	5,505	11,150
204.42	5,516	11,205
204.43	5,528	11,260
204.44	5,539	11,316
204.45	5,551	11,371
204.46	5,562	11,427
204.47	5,574	11,482
204.48	5,585	11,538
204.49	5,597	11,594
204.50	**5,608**	**11,650**
204.51	5,608	11,650
204.52	5,608	11,650
204.53	5,608	11,650
204.54	5,608	11,650
204.55	5,608	11,650
204.56	5,608	11,650
204.57	5,608	11,650
204.58	5,608	11,650
204.59	5,608	11,650
204.60	5,608	11,650
204.61	5,608	11,650
204.62	5,608	11,650
204.63	5,608	11,650
204.64	5,608	11,650
204.65	5,608	11,650
204.66	5,608	11,650
204.67	5,608	11,650
204.68	5,608	11,650
204.69	5,608	11,650
204.70	5,608	11,650
204.71	5,608	11,650
204.72	5,608	11,650
204.73	5,608	11,650
204.74	5,608	11,650
204.75	5,608	11,650
204.76	5,608	11,650
204.77	5,608	11,650
204.78	5,608	11,650
204.79	5,608	11,650
204.80	5,608	11,650
204.81	5,608	11,650
204.82	5,608	11,650
204.83	5,608	11,650
204.84	5,608	11,650
204.85	5,608	11,650
204.86	5,608	11,650
204.87	5,608	11,650
204.88	5,608	11,650
204.89	5,608	11,650
204.90	5,608	11,650
204.91	5,608	11,650
204.92	5,608	11,650
204.93	5,608	11,650
204.94	5,608	11,650
204.95	5,608	11,650
204.96	5,608	11,650
204.97	5,608	11,650
204.98	5,608	11,650
204.99	5,608	11,650
205.00	5,608	11,650

Summary for Pond B-58: Basin #58

Inflow Area = 3.083 ac, 36.46% Impervious, Inflow Depth > 6.05" for Current 100 yr event
Inflow = 15.94 cfs @ 12.18 hrs, Volume= 1.555 af
Outflow = 8.42 cfs @ 12.40 hrs, Volume= 1.483 af, Atten= 47%, Lag= 13.1 min
Primary = 8.42 cfs @ 12.40 hrs, Volume= 1.483 af
Routed to Link PDA-6ON : Proposed Onsite Drainage Area #6

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 200.95' @ 12.40 hrs Surf.Area= 9,090 sf Storage= 17,759 cf

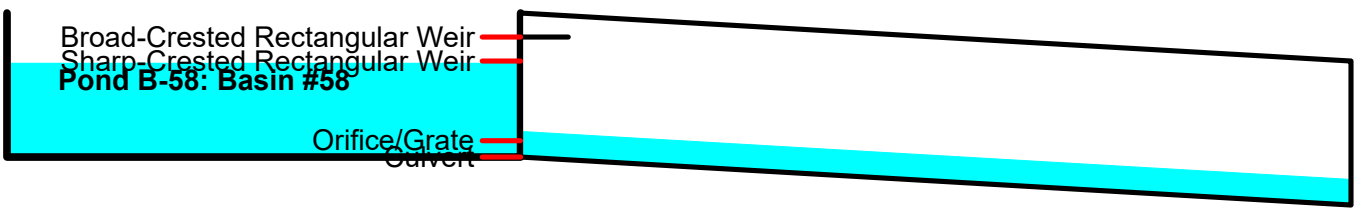
Plug-Flow detention time= 85.9 min calculated for 1.481 af (95% of inflow)
Center-of-Mass det. time= 50.1 min (888.6 - 838.6)

Volume	Invert	Avail.Storage	Storage Description
#1	199.00'	27,270 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

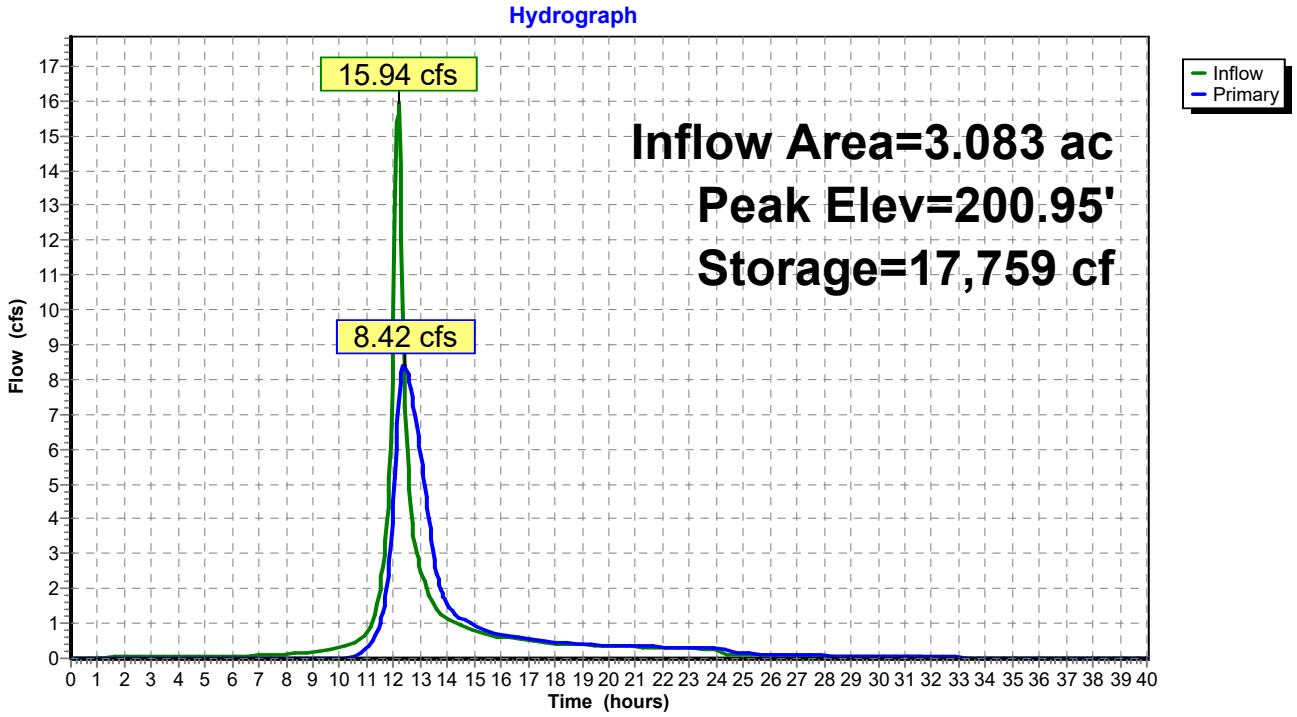
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
199.00	9,090	0	0
200.00	9,090	9,090	9,090
201.00	9,090	9,090	18,180
202.00	9,090	9,090	27,270

Device	Routing	Invert	Outlet Devices
#1	Primary	199.00'	**36.0" Round Culvert** L= 87.0' Ke= 0.500 Inlet / Outlet Invert= 199.00' / 198.00' S= 0.0115 '/' Cc= 0.900 n= 0.013, Flow Area= 7.07 sf
#2	Device 1	199.34'	**36.0" W x 6.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	201.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	201.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=8.42 cfs @ 12.40 hrs HW=200.95' (Free Discharge)
- **1=Culvert** (Passes 8.42 cfs of 22.92 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 8.42 cfs @ 5.61 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-58: Basin #58



Hydrograph for Pond B-58: Basin #58

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	199.00	0.00
0.10	0.00	0	199.00	0.00
0.20	0.00	0	199.00	0.00
0.30	0.00	0	199.00	0.00
0.40	0.00	0	199.00	0.00
0.50	0.00	0	199.00	0.00
0.60	0.00	1	199.00	0.00
0.70	0.01	3	199.00	0.00
0.80	0.01	7	199.00	0.00
0.90	0.01	11	199.00	0.00
1.00	0.01	16	199.00	0.00
1.10	0.02	21	199.00	0.00
1.20	0.02	28	199.00	0.00
1.30	0.02	35	199.00	0.00
1.40	0.02	43	199.00	0.00
1.50	0.02	51	199.01	0.00
1.60	0.03	60	199.01	0.00
1.70	0.03	69	199.01	0.00
1.80	0.03	79	199.01	0.00
1.90	0.03	89	199.01	0.00
2.00	0.03	100	199.01	0.00
2.10	0.03	111	199.01	0.00
2.20	0.03	123	199.01	0.00
2.30	0.03	135	199.01	0.00
2.40	0.03	147	199.02	0.00
2.50	0.04	160	199.02	0.00
2.60	0.04	172	199.02	0.00
2.70	0.04	186	199.02	0.00
2.80	0.04	199	199.02	0.00
2.90	0.04	213	199.02	0.00
3.00	0.04	227	199.03	0.00
3.10	0.04	242	199.03	0.00
3.20	0.04	256	199.03	0.00
3.30	0.04	271	199.03	0.00
3.40	0.04	287	199.03	0.00
3.50	0.04	302	199.03	0.00
3.60	0.04	318	199.03	0.00
3.70	0.04	334	199.04	0.00
3.80	0.05	350	199.04	0.00
3.90	0.05	366	199.04	0.00
4.00	0.05	383	199.04	0.00
4.10	0.05	400	199.04	0.00
4.20	0.05	417	199.05	0.00
4.30	0.05	434	199.05	0.00
4.40	0.05	452	199.05	0.00
4.50	0.05	469	199.05	0.00
4.60	0.05	487	199.05	0.00
4.70	0.05	505	199.06	0.00
4.80	0.05	524	199.06	0.00
4.90	0.05	542	199.06	0.00
5.00	0.05	561	199.06	0.00
5.10	0.05	579	199.06	0.00

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.05	598	199.07	0.00
5.30	0.05	618	199.07	0.00
5.40	0.05	637	199.07	0.00
5.50	0.05	657	199.07	0.00
5.60	0.06	676	199.07	0.00
5.70	0.06	696	199.08	0.00
5.80	0.06	716	199.08	0.00
5.90	0.06	737	199.08	0.00
6.00	0.06	757	199.08	0.00
6.10	0.06	778	199.09	0.00
6.20	0.06	800	199.09	0.00
6.30	0.06	822	199.09	0.00
6.40	0.06	844	199.09	0.00
6.50	0.07	868	199.10	0.00
6.60	0.07	892	199.10	0.00
6.70	0.07	917	199.10	0.00
6.80	0.07	944	199.10	0.00
6.90	0.08	972	199.11	0.00
7.00	0.08	1,001	199.11	0.00
7.10	0.09	1,031	199.11	0.00
7.20	0.09	1,062	199.12	0.00
7.30	0.09	1,095	199.12	0.00
7.40	0.10	1,129	199.12	0.00
7.50	0.10	1,165	199.13	0.00
7.60	0.10	1,202	199.13	0.00
7.70	0.11	1,240	199.14	0.00
7.80	0.11	1,280	199.14	0.00
7.90	0.12	1,321	199.15	0.00
8.00	0.12	1,364	199.15	0.00
8.10	0.13	1,408	199.15	0.00
8.20	0.13	1,454	199.16	0.00
8.30	0.13	1,502	199.17	0.00
8.40	0.14	1,551	199.17	0.00
8.50	0.14	1,602	199.18	0.00
8.60	0.15	1,654	199.18	0.00
8.70	0.15	1,708	199.19	0.00
8.80	0.16	1,764	199.19	0.00
8.90	0.16	1,822	199.20	0.00
9.00	0.17	1,881	199.21	0.00
9.10	0.18	1,944	199.21	0.00
9.20	0.19	2,010	199.22	0.00
9.30	0.20	2,080	199.23	0.00
9.40	0.21	2,154	199.24	0.00
9.50	0.23	2,233	199.25	0.00
9.60	0.24	2,317	199.25	0.00
9.70	0.25	2,406	199.26	0.00
9.80	0.27	2,500	199.28	0.00
9.90	0.28	2,599	199.29	0.00
10.00	0.30	2,706	199.30	0.00
10.10	0.33	2,819	199.31	0.00
10.20	0.35	2,942	199.32	0.00
10.30	0.38	3,073	199.34	0.00

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.40	3,211	199.35	0.02
10.50	0.43	3,350	199.37	0.05
10.60	0.47	3,489	199.38	0.09
10.70	0.52	3,628	199.40	0.14
10.80	0.58	3,768	199.41	0.20
10.90	0.64	3,907	199.43	0.26
11.00	0.71	4,045	199.45	0.33
11.10	0.80	4,187	199.46	0.41
11.20	0.90	4,334	199.48	0.49
11.30	1.18	4,510	199.50	0.60
11.40	1.55	4,761	199.52	0.76
11.50	1.95	5,077	199.56	0.99
11.60	2.60	5,498	199.60	1.31
11.70	3.32	6,012	199.66	1.75
11.80	4.35	6,662	199.73	2.37
11.90	6.06	7,525	199.83	3.28
12.00	9.63	8,966	199.99	4.46
12.10	15.40	11,698	200.29	6.00
12.20	**15.83**	14,881	200.64	7.37
12.30	12.10	17,132	200.88	8.21
12.40	8.39	**17,759**	**200.95**	**8.42**
12.50	6.29	17,361	200.91	8.29
12.60	4.87	16,419	200.81	7.95
12.70	3.89	15,205	200.67	7.50
12.80	3.25	13,873	200.53	6.97
12.90	2.85	12,558	200.38	6.40
13.00	2.54	11,326	200.25	5.81
13.10	2.27	10,203	200.12	5.22
13.20	2.05	9,207	200.01	4.62
13.30	1.86	8,352	199.92	4.03
13.40	1.71	7,652	199.84	3.42
13.50	1.56	7,117	199.78	2.84
13.60	1.43	6,711	199.74	2.42
13.70	1.32	6,392	199.70	2.11
13.80	1.24	6,138	199.68	1.87
13.90	1.19	5,935	199.65	1.69
14.00	1.14	5,774	199.64	1.54
14.10	1.10	5,642	199.62	1.43
14.20	1.06	5,533	199.61	1.34
14.30	1.03	5,440	199.60	1.27
14.40	0.99	5,359	199.59	1.20
14.50	0.96	5,287	199.58	1.15
14.60	0.92	5,221	199.57	1.09
14.70	0.88	5,160	199.57	1.05
14.80	0.85	5,102	199.56	1.00
14.90	0.81	5,047	199.56	0.96
15.00	0.78	4,993	199.55	0.92
15.10	0.75	4,942	199.54	0.89
15.20	0.72	4,892	199.54	0.85
15.30	0.70	4,846	199.53	0.82
15.40	0.68	4,804	199.53	0.79
15.50	0.67	4,766	199.52	0.76

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.65	4,733	199.52	0.74
15.70	0.64	4,703	199.52	0.72
15.80	0.63	4,676	199.51	0.70
15.90	0.62	4,652	199.51	0.69
16.00	0.61	4,630	199.51	0.67
16.10	0.60	4,609	199.51	0.66
16.20	0.59	4,589	199.50	0.65
16.30	0.58	4,571	199.50	0.63
16.40	0.57	4,553	199.50	0.62
16.50	0.56	4,535	199.50	0.61
16.60	0.55	4,518	199.50	0.60
16.70	0.55	4,501	199.50	0.59
16.80	0.54	4,485	199.49	0.58
16.90	0.53	4,469	199.49	0.57
17.00	0.52	4,453	199.49	0.56
17.10	0.51	4,438	199.49	0.55
17.20	0.50	4,423	199.49	0.54
17.30	0.49	4,408	199.48	0.53
17.40	0.48	4,393	199.48	0.52
17.50	0.47	4,378	199.48	0.51
17.60	0.46	4,363	199.48	0.50
17.70	0.45	4,348	199.48	0.50
17.80	0.44	4,332	199.48	0.49
17.90	0.43	4,316	199.47	0.48
18.00	0.42	4,300	199.47	0.47
18.10	0.42	4,284	199.47	0.46
18.20	0.41	4,268	199.47	0.45
18.30	0.40	4,253	199.47	0.44
18.40	0.40	4,239	199.47	0.43
18.50	0.39	4,226	199.46	0.43
18.60	0.39	4,214	199.46	0.42
18.70	0.39	4,203	199.46	0.41
18.80	0.38	4,194	199.46	0.41
18.90	0.38	4,185	199.46	0.40
19.00	0.38	4,176	199.46	0.40
19.10	0.38	4,169	199.46	0.40
19.20	0.37	4,162	199.46	0.39
19.30	0.37	4,155	199.46	0.39
19.40	0.37	4,149	199.46	0.38
19.50	0.37	4,143	199.46	0.38
19.60	0.36	4,138	199.46	0.38
19.70	0.36	4,133	199.45	0.37
19.80	0.36	4,128	199.45	0.37
19.90	0.36	4,123	199.45	0.37
20.00	0.35	4,118	199.45	0.37
20.10	0.35	4,113	199.45	0.36
20.20	0.35	4,109	199.45	0.36
20.30	0.35	4,104	199.45	0.36
20.40	0.34	4,099	199.45	0.36
20.50	0.34	4,095	199.45	0.35
20.60	0.34	4,090	199.45	0.35
20.70	0.34	4,086	199.45	0.35

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.33	4,082	199.45	0.35
20.90	0.33	4,077	199.45	0.34
21.00	0.33	4,072	199.45	0.34
21.10	0.33	4,068	199.45	0.34
21.20	0.32	4,063	199.45	0.34
21.30	0.32	4,058	199.45	0.34
21.40	0.32	4,053	199.45	0.33
21.50	0.32	4,049	199.45	0.33
21.60	0.32	4,044	199.44	0.33
21.70	0.31	4,039	199.44	0.33
21.80	0.31	4,034	199.44	0.32
21.90	0.31	4,029	199.44	0.32
22.00	0.31	4,025	199.44	0.32
22.10	0.30	4,020	199.44	0.32
22.20	0.30	4,015	199.44	0.31
22.30	0.30	4,010	199.44	0.31
22.40	0.30	4,005	199.44	0.31
22.50	0.29	4,001	199.44	0.31
22.60	0.29	3,996	199.44	0.31
22.70	0.29	3,992	199.44	0.30
22.80	0.29	3,987	199.44	0.30
22.90	0.29	3,983	199.44	0.30
23.00	0.28	3,978	199.44	0.30
23.10	0.28	3,974	199.44	0.29
23.20	0.28	3,969	199.44	0.29
23.30	0.28	3,965	199.44	0.29
23.40	0.27	3,960	199.44	0.29
23.50	0.27	3,955	199.44	0.29
23.60	0.27	3,951	199.43	0.28
23.70	0.27	3,946	199.43	0.28
23.80	0.27	3,942	199.43	0.28
23.90	0.26	3,937	199.43	0.28
24.00	0.27	3,934	199.43	0.27
24.10	0.22	3,921	199.43	0.27
24.20	0.16	3,895	199.43	0.26
24.30	0.12	3,855	199.42	0.24
24.40	0.11	3,814	199.42	0.22
24.50	0.10	3,777	199.42	0.20
24.60	0.10	3,743	199.41	0.19
24.70	0.10	3,713	199.41	0.18
24.80	0.10	3,687	199.41	0.17
24.90	0.10	3,664	199.40	0.16
25.00	0.10	3,644	199.40	0.15
25.10	0.09	3,626	199.40	0.14
25.20	0.09	3,611	199.40	0.13
25.30	0.09	3,597	199.40	0.13
25.40	0.09	3,584	199.39	0.12
25.50	0.09	3,573	199.39	0.12
25.60	0.09	3,563	199.39	0.12
25.70	0.09	3,554	199.39	0.11
25.80	0.09	3,546	199.39	0.11
25.90	0.09	3,539	199.39	0.11

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.08	3,532	199.39	0.10
26.10	0.08	3,525	199.39	0.10
26.20	0.08	3,519	199.39	0.10
26.30	0.08	3,513	199.39	0.10
26.40	0.08	3,507	199.39	0.10
26.50	0.08	3,501	199.39	0.09
26.60	0.08	3,496	199.38	0.09
26.70	0.08	3,490	199.38	0.09
26.80	0.08	3,485	199.38	0.09
26.90	0.08	3,480	199.38	0.09
27.00	0.07	3,476	199.38	0.09
27.10	0.07	3,471	199.38	0.09
27.20	0.07	3,466	199.38	0.08
27.30	0.07	3,462	199.38	0.08
27.40	0.07	3,458	199.38	0.08
27.50	0.07	3,453	199.38	0.08
27.60	0.07	3,449	199.38	0.08
27.70	0.07	3,445	199.38	0.08
27.80	0.07	3,441	199.38	0.08
27.90	0.06	3,437	199.38	0.08
28.00	0.06	3,433	199.38	0.07
28.10	0.06	3,429	199.38	0.07
28.20	0.06	3,425	199.38	0.07
28.30	0.06	3,421	199.38	0.07
28.40	0.06	3,417	199.38	0.07
28.50	0.06	3,413	199.38	0.07
28.60	0.06	3,409	199.38	0.07
28.70	0.06	3,405	199.37	0.07
28.80	0.05	3,401	199.37	0.07
28.90	0.05	3,398	199.37	0.06
29.00	0.05	3,394	199.37	0.06
29.10	0.05	3,390	199.37	0.06
29.20	0.05	3,387	199.37	0.06
29.30	0.05	3,383	199.37	0.06
29.40	0.05	3,379	199.37	0.06
29.50	0.05	3,376	199.37	0.06
29.60	0.05	3,372	199.37	0.06
29.70	0.04	3,368	199.37	0.06
29.80	0.04	3,364	199.37	0.05
29.90	0.04	3,360	199.37	0.05
30.00	0.04	3,356	199.37	0.05
30.10	0.04	3,353	199.37	0.05
30.20	0.04	3,349	199.37	0.05
30.30	0.04	3,345	199.37	0.05
30.40	0.04	3,341	199.37	0.05
30.50	0.04	3,337	199.37	0.05
30.60	0.03	3,334	199.37	0.05
30.70	0.03	3,330	199.37	0.04
30.80	0.03	3,326	199.37	0.04
30.90	0.03	3,323	199.37	0.04
31.00	0.03	3,319	199.37	0.04
31.10	0.03	3,315	199.36	0.04

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.03	3,312	199.36	0.04
31.30	0.03	3,308	199.36	0.04
31.40	0.03	3,305	199.36	0.04
31.50	0.03	3,302	199.36	0.04
31.60	0.03	3,299	199.36	0.03
31.70	0.03	3,295	199.36	0.03
31.80	0.02	3,292	199.36	0.03
31.90	0.02	3,289	199.36	0.03
32.00	0.02	3,287	199.36	0.03
32.10	0.02	3,284	199.36	0.03
32.20	0.02	3,281	199.36	0.03
32.30	0.02	3,278	199.36	0.03
32.40	0.02	3,276	199.36	0.03
32.50	0.02	3,273	199.36	0.03
32.60	0.02	3,271	199.36	0.03
32.70	0.02	3,268	199.36	0.03
32.80	0.02	3,265	199.36	0.03
32.90	0.02	3,263	199.36	0.03
33.00	0.02	3,260	199.36	0.03
33.10	0.02	3,257	199.36	0.02
33.20	0.02	3,255	199.36	0.02
33.30	0.02	3,252	199.36	0.02
33.40	0.02	3,249	199.36	0.02
33.50	0.02	3,247	199.36	0.02
33.60	0.02	3,244	199.36	0.02
33.70	0.02	3,241	199.36	0.02
33.80	0.01	3,239	199.36	0.02
33.90	0.01	3,236	199.36	0.02
34.00	0.01	3,233	199.36	0.02
34.10	0.01	3,231	199.36	0.02
34.20	0.01	3,228	199.36	0.02
34.30	0.01	3,226	199.35	0.02
34.40	0.01	3,223	199.35	0.02
34.50	0.01	3,221	199.35	0.02
34.60	0.01	3,218	199.35	0.02
34.70	0.01	3,216	199.35	0.02
34.80	0.01	3,214	199.35	0.02
34.90	0.01	3,211	199.35	0.02
35.00	0.01	3,209	199.35	0.02
35.10	0.01	3,207	199.35	0.02
35.20	0.01	3,204	199.35	0.02
35.30	0.01	3,202	199.35	0.02
35.40	0.01	3,200	199.35	0.02
35.50	0.01	3,198	199.35	0.02
35.60	0.01	3,196	199.35	0.02
35.70	0.01	3,194	199.35	0.02
35.80	0.01	3,192	199.35	0.02
35.90	0.01	3,189	199.35	0.01
36.00	0.01	3,187	199.35	0.01
36.10	0.01	3,186	199.35	0.01
36.20	0.01	3,184	199.35	0.01
36.30	0.01	3,182	199.35	0.01

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.01	3,180	199.35	0.01
36.50	0.01	3,178	199.35	0.01
36.60	0.01	3,177	199.35	0.01
36.70	0.01	3,175	199.35	0.01
36.80	0.01	3,173	199.35	0.01
36.90	0.01	3,172	199.35	0.01
37.00	0.01	3,170	199.35	0.01
37.10	0.01	3,169	199.35	0.01
37.20	0.01	3,167	199.35	0.01
37.30	0.01	3,166	199.35	0.01
37.40	0.01	3,164	199.35	0.01
37.50	0.01	3,163	199.35	0.01
37.60	0.01	3,162	199.35	0.01
37.70	0.01	3,160	199.35	0.01
37.80	0.01	3,159	199.35	0.01
37.90	0.01	3,158	199.35	0.01
38.00	0.01	3,157	199.35	0.01
38.10	0.01	3,155	199.35	0.01
38.20	0.01	3,154	199.35	0.01
38.30	0.01	3,153	199.35	0.01
38.40	0.01	3,152	199.35	0.01
38.50	0.01	3,151	199.35	0.01
38.60	0.01	3,150	199.35	0.01
38.70	0.01	3,149	199.35	0.01
38.80	0.01	3,148	199.35	0.01
38.90	0.01	3,147	199.35	0.01
39.00	0.01	3,146	199.35	0.01
39.10	0.01	3,145	199.35	0.01
39.20	0.01	3,144	199.35	0.01
39.30	0.01	3,143	199.35	0.01
39.40	0.01	3,142	199.35	0.01
39.50	0.01	3,141	199.35	0.01
39.60	0.01	3,140	199.35	0.01
39.70	0.00	3,139	199.35	0.01
39.80	0.00	3,139	199.35	0.01
39.90	0.00	3,138	199.35	0.01
40.00	0.00	3,137	199.35	0.01

Stage-Discharge for Pond B-58: Basin #58

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
199.00	0.00	199.52	0.74	200.04	4.78	200.56	7.09
199.01	0.00	199.53	0.80	200.05	4.83	200.57	7.13
199.02	0.00	199.54	0.86	200.06	4.89	200.58	7.17
199.03	0.00	199.55	0.93	200.07	4.94	200.59	7.20
199.04	0.00	199.56	0.99	200.08	5.00	200.60	7.24
199.05	0.00	199.57	1.06	200.09	5.05	200.61	7.28
199.06	0.00	199.58	1.13	200.10	5.10	200.62	7.31
199.07	0.00	199.59	1.20	200.11	5.16	200.63	7.35
199.08	0.00	199.60	1.28	200.12	5.21	200.64	7.38
199.09	0.00	199.61	1.35	200.13	5.26	200.65	7.42
199.10	0.00	199.62	1.43	200.14	5.31	200.66	7.45
199.11	0.00	199.63	1.50	200.15	5.36	200.67	7.49
199.12	0.00	199.64	1.58	200.16	5.41	200.68	7.52
199.13	0.00	199.65	1.66	200.17	5.46	200.69	7.56
199.14	0.00	199.66	1.74	200.18	5.50	200.70	7.59
199.15	0.00	199.67	1.83	200.19	5.55	200.71	7.63
199.16	0.00	199.68	1.91	200.20	5.60	200.72	7.66
199.17	0.00	199.69	1.99	200.21	5.65	200.73	7.70
199.18	0.00	199.70	2.08	200.22	5.69	200.74	7.73
199.19	0.00	199.71	2.17	200.23	5.74	200.75	7.76
199.20	0.00	199.72	2.26	200.24	5.79	200.76	7.80
199.21	0.00	199.73	2.35	200.25	5.83	200.77	7.83
199.22	0.00	199.74	2.44	200.26	5.88	200.78	7.86
199.23	0.00	199.75	2.53	200.27	5.92	200.79	7.90
199.24	0.00	199.76	2.62	200.28	5.97	200.80	7.93
199.25	0.00	199.77	2.72	200.29	6.01	200.81	7.96
199.26	0.00	199.78	2.81	200.30	6.05	200.82	8.00
199.27	0.00	199.79	2.91	200.31	6.10	200.83	8.03
199.28	0.00	199.80	3.00	200.32	6.14	200.84	8.06
199.29	0.00	199.81	3.10	200.33	6.18	200.85	8.09
199.30	0.00	199.82	3.20	200.34	6.23	200.86	8.13
199.31	0.00	199.83	3.30	200.35	6.27	200.87	8.16
199.32	0.00	199.84	3.40	200.36	6.31	200.88	8.19
199.33	0.00	199.85	3.50	200.37	6.35	200.89	8.22
199.34	0.00	199.86	3.58	200.38	6.39	200.90	8.25
199.35	0.01	199.87	3.67	200.39	6.43	200.91	8.29
199.36	0.03	199.88	3.74	200.40	6.47	200.92	8.32
199.37	0.05	199.89	3.82	200.41	6.51	200.93	8.35
199.38	0.08	199.90	3.89	200.42	6.55	200.94	8.38
199.39	0.11	199.91	3.97	200.43	6.59	200.95	8.41
199.40	0.14	199.92	4.04	200.44	6.63	200.96	8.44
199.41	0.18	199.93	4.10	200.45	6.67	200.97	8.47
199.42	0.22	199.94	4.17	200.46	6.71	200.98	8.50
199.43	0.26	199.95	4.24	200.47	6.75	200.99	8.53
199.44	0.30	199.96	4.30	200.48	6.79	201.00	8.56
199.45	0.35	199.97	4.36	200.49	6.83	201.01	8.61
199.46	0.40	199.98	4.43	200.50	6.87	201.02	8.66
199.47	0.45	199.99	4.49	200.51	6.91	201.03	8.72
199.48	0.50	200.00	4.55	200.52	6.94	201.04	8.79
199.49	0.56	200.01	4.61	200.53	6.98	201.05	8.86
199.50	0.62	200.02	4.66	200.54	7.02	201.06	8.94
199.51	0.67	200.03	4.72	200.55	7.06	201.07	9.02

Stage-Discharge for Pond B-58: Basin #58 (continued)

Elevation (feet)	Primary (cfs)
201.08	9.10
201.09	9.19
201.10	9.28
201.11	9.37
201.12	9.46
201.13	9.56
201.14	9.66
201.15	9.77
201.16	9.87
201.17	9.98
201.18	10.09
201.19	10.20
201.20	10.31
201.21	10.43
201.22	10.55
201.23	10.67
201.24	10.79
201.25	10.91
201.26	11.04
201.27	11.16
201.28	11.29
201.29	11.42
201.30	11.55
201.31	11.69
201.32	11.82
201.33	11.96
201.34	12.10
201.35	12.23
201.36	12.38
201.37	12.52
201.38	12.66
201.39	12.81
201.40	12.95
201.41	13.10
201.42	13.25
201.43	13.40
201.44	13.55
201.45	13.70
201.46	13.86
201.47	14.01
201.48	14.17
201.49	14.32
201.50	14.48
201.51	14.76
201.52	15.14
201.53	15.57
201.54	16.07
201.55	16.60
201.56	17.18
201.57	17.80
201.58	18.45
201.59	19.13
201.60	19.85
201.61	20.59
201.62	21.36
201.63	22.16
201.64	22.99
201.65	23.84
201.66	24.71
201.67	25.61
201.68	26.53
201.69	27.48
201.70	28.44
201.71	29.47
201.72	30.52
201.73	31.60
201.74	32.71
201.75	33.84
201.76	35.00
201.77	36.18
201.78	37.39
201.79	38.62
201.80	39.88
201.81	41.17
201.82	42.48
201.83	43.82
201.84	45.18
201.85	46.56
201.86	47.97
201.87	49.41
201.88	50.87
201.89	52.36
201.90	53.87
201.91	55.43
201.92	57.02
201.93	58.63
201.94	60.28
201.95	61.95
201.96	63.64
201.97	65.37
201.98	67.12
201.99	68.89
202.00	**70.70**

Stage-Area-Storage for Pond B-58: Basin #58

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
199.00	**9,090**	0	199.52	9,090	4,727
199.01	9,090	91	199.53	9,090	4,818
199.02	9,090	182	199.54	9,090	4,909
199.03	9,090	273	199.55	9,090	5,000
199.04	9,090	364	199.56	9,090	5,090
199.05	9,090	455	199.57	9,090	5,181
199.06	9,090	545	199.58	9,090	5,272
199.07	9,090	636	199.59	9,090	5,363
199.08	9,090	727	199.60	9,090	5,454
199.09	9,090	818	199.61	9,090	5,545
199.10	9,090	909	199.62	9,090	5,636
199.11	9,090	1,000	199.63	9,090	5,727
199.12	9,090	1,091	199.64	9,090	5,818
199.13	9,090	1,182	199.65	9,090	5,909
199.14	9,090	1,273	199.66	9,090	5,999
199.15	9,090	1,364	199.67	9,090	6,090
199.16	9,090	1,454	199.68	9,090	6,181
199.17	9,090	1,545	199.69	9,090	6,272
199.18	9,090	1,636	199.70	9,090	6,363
199.19	9,090	1,727	199.71	9,090	6,454
199.20	9,090	1,818	199.72	9,090	6,545
199.21	9,090	1,909	199.73	9,090	6,636
199.22	9,090	2,000	199.74	9,090	6,727
199.23	9,090	2,091	199.75	9,090	6,818
199.24	9,090	2,182	199.76	9,090	6,908
199.25	9,090	2,273	199.77	9,090	6,999
199.26	9,090	2,363	199.78	9,090	7,090
199.27	9,090	2,454	199.79	9,090	7,181
199.28	9,090	2,545	199.80	9,090	7,272
199.29	9,090	2,636	199.81	9,090	7,363
199.30	9,090	2,727	199.82	9,090	7,454
199.31	9,090	2,818	199.83	9,090	7,545
199.32	9,090	2,909	199.84	9,090	7,636
199.33	9,090	3,000	199.85	9,090	7,726
199.34	9,090	3,091	199.86	9,090	7,817
199.35	9,090	3,181	199.87	9,090	7,908
199.36	9,090	3,272	199.88	9,090	7,999
199.37	9,090	3,363	199.89	9,090	8,090
199.38	9,090	3,454	199.90	9,090	8,181
199.39	9,090	3,545	199.91	9,090	8,272
199.40	9,090	3,636	199.92	9,090	8,363
199.41	9,090	3,727	199.93	9,090	8,454
199.42	9,090	3,818	199.94	9,090	8,545
199.43	9,090	3,909	199.95	9,090	8,635
199.44	9,090	4,000	199.96	9,090	8,726
199.45	9,090	4,090	199.97	9,090	8,817
199.46	9,090	4,181	199.98	9,090	8,908
199.47	9,090	4,272	199.99	9,090	8,999
199.48	9,090	4,363	200.00	9,090	9,090
199.49	9,090	4,454	200.01	9,090	9,181
199.50	9,090	4,545	200.02	9,090	9,272
199.51	9,090	4,636	200.03	9,090	9,363

Stage-Area-Storage for Pond B-58: Basin #58 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
200.04	9,090	9,454
200.05	9,090	9,545
200.06	9,090	9,635
200.07	9,090	9,726
200.08	9,090	9,817
200.09	9,090	9,908
200.10	9,090	9,999
200.11	9,090	10,090
200.12	9,090	10,181
200.13	9,090	10,272
200.14	9,090	10,363
200.15	9,090	10,454
200.16	9,090	10,544
200.17	9,090	10,635
200.18	9,090	10,726
200.19	9,090	10,817
200.20	9,090	10,908
200.21	9,090	10,999
200.22	9,090	11,090
200.23	9,090	11,181
200.24	9,090	11,272
200.25	9,090	11,363
200.26	9,090	11,453
200.27	9,090	11,544
200.28	9,090	11,635
200.29	9,090	11,726
200.30	9,090	11,817
200.31	9,090	11,908
200.32	9,090	11,999
200.33	9,090	12,090
200.34	9,090	12,181
200.35	9,090	12,271
200.36	9,090	12,362
200.37	9,090	12,453
200.38	9,090	12,544
200.39	9,090	12,635
200.40	9,090	12,726
200.41	9,090	12,817
200.42	9,090	12,908
200.43	9,090	12,999
200.44	9,090	13,090
200.45	9,090	13,180
200.46	9,090	13,271
200.47	9,090	13,362
200.48	9,090	13,453
200.49	9,090	13,544
200.50	9,090	13,635
200.51	9,090	13,726
200.52	9,090	13,817
200.53	9,090	13,908
200.54	9,090	13,999
200.55	9,090	14,090
200.56	9,090	14,180
200.57	9,090	14,271
200.58	9,090	14,362
200.59	9,090	14,453
200.60	9,090	14,544
200.61	9,090	14,635
200.62	9,090	14,726
200.63	9,090	14,817
200.64	9,090	14,908
200.65	9,090	14,999
200.66	9,090	15,089
200.67	9,090	15,180
200.68	9,090	15,271
200.69	9,090	15,362
200.70	9,090	15,453
200.71	9,090	15,544
200.72	9,090	15,635
200.73	9,090	15,726
200.74	9,090	15,817
200.75	9,090	15,908
200.76	9,090	15,998
200.77	9,090	16,089
200.78	9,090	16,180
200.79	9,090	16,271
200.80	9,090	16,362
200.81	9,090	16,453
200.82	9,090	16,544
200.83	9,090	16,635
200.84	9,090	16,726
200.85	9,090	16,816
200.86	9,090	16,907
200.87	9,090	16,998
200.88	9,090	17,089
200.89	9,090	17,180
200.90	9,090	17,271
200.91	9,090	17,362
200.92	9,090	17,453
200.93	9,090	17,544
200.94	9,090	17,635
200.95	9,090	17,725
200.96	9,090	17,816
200.97	9,090	17,907
200.98	9,090	17,998
200.99	9,090	18,089
201.00	9,090	18,180
201.01	9,090	18,271
201.02	9,090	18,362
201.03	9,090	18,453
201.04	9,090	18,544
201.05	9,090	18,635
201.06	9,090	18,725
201.07	9,090	18,816

Stage-Area-Storage for Pond B-58: Basin #58 (continued)

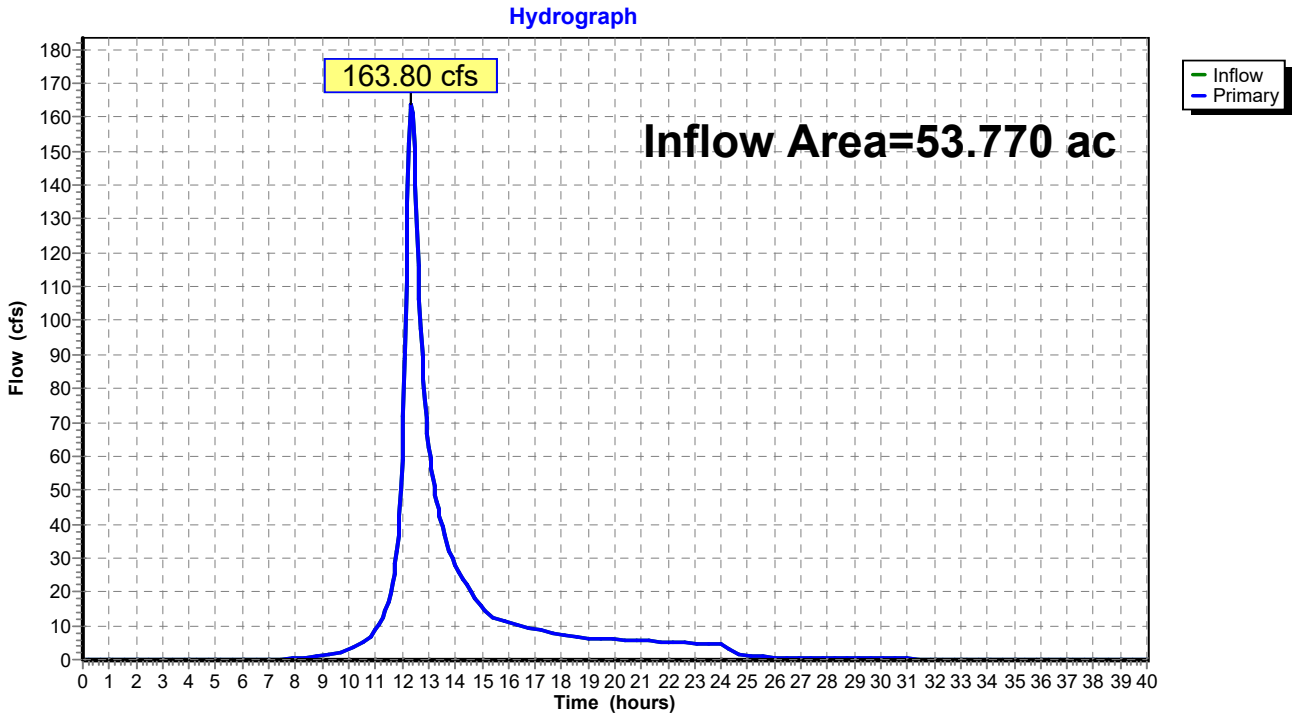
Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
201.08	9,090	18,907
201.09	9,090	18,998
201.10	9,090	19,089
201.11	9,090	19,180
201.12	9,090	19,271
201.13	9,090	19,362
201.14	9,090	19,453
201.15	9,090	19,544
201.16	9,090	19,634
201.17	9,090	19,725
201.18	9,090	19,816
201.19	9,090	19,907
201.20	9,090	19,998
201.21	9,090	20,089
201.22	9,090	20,180
201.23	9,090	20,271
201.24	9,090	20,362
201.25	9,090	20,453
201.26	9,090	20,543
201.27	9,090	20,634
201.28	9,090	20,725
201.29	9,090	20,816
201.30	9,090	20,907
201.31	9,090	20,998
201.32	9,090	21,089
201.33	9,090	21,180
201.34	9,090	21,271
201.35	9,090	21,361
201.36	9,090	21,452
201.37	9,090	21,543
201.38	9,090	21,634
201.39	9,090	21,725
201.40	9,090	21,816
201.41	9,090	21,907
201.42	9,090	21,998
201.43	9,090	22,089
201.44	9,090	22,180
201.45	9,090	22,270
201.46	9,090	22,361
201.47	9,090	22,452
201.48	9,090	22,543
201.49	9,090	22,634
201.50	9,090	22,725
201.51	9,090	22,816
201.52	9,090	22,907
201.53	9,090	22,998
201.54	9,090	23,089
201.55	9,090	23,180
201.56	9,090	23,270
201.57	9,090	23,361
201.58	9,090	23,452
201.59	9,090	23,543
201.60	9,090	23,634
201.61	9,090	23,725
201.62	9,090	23,816
201.63	9,090	23,907
201.64	9,090	23,998
201.65	9,090	24,089
201.66	9,090	24,179
201.67	9,090	24,270
201.68	9,090	24,361
201.69	9,090	24,452
201.70	9,090	24,543
201.71	9,090	24,634
201.72	9,090	24,725
201.73	9,090	24,816
201.74	9,090	24,907
201.75	9,090	24,998
201.76	9,090	25,088
201.77	9,090	25,179
201.78	9,090	25,270
201.79	9,090	25,361
201.80	9,090	25,452
201.81	9,090	25,543
201.82	9,090	25,634
201.83	9,090	25,725
201.84	9,090	25,816
201.85	9,090	25,906
201.86	9,090	25,997
201.87	9,090	26,088
201.88	9,090	26,179
201.89	9,090	26,270
201.90	9,090	26,361
201.91	9,090	26,452
201.92	9,090	26,543
201.93	9,090	26,634
201.94	9,090	26,725
201.95	9,090	26,815
201.96	9,090	26,906
201.97	9,090	26,997
201.98	9,090	27,088
201.99	9,090	27,179
202.00	9,090	**27,270**

Summary for Link PDA-6: Proposed Drainage Area #6

Inflow Area = 53.770 ac, 12.46% Impervious, Inflow Depth > 5.08" for Current 100 yr event
Inflow = 163.80 cfs @ 12.34 hrs, Volume= 22.760 af
Primary = 163.80 cfs @ 12.34 hrs, Volume= 22.760 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link PDA-6: Proposed Drainage Area #6



Hydrograph for Link PDA-6: Proposed Drainage Area #6

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.06	0.00	0.06
0.05	0.00	0.00	0.00	2.65	0.06	0.00	0.06
0.10	0.00	0.00	0.00	2.70	0.06	0.00	0.06
0.15	0.00	0.00	0.00	2.75	0.06	0.00	0.06
0.20	0.00	0.00	0.00	2.80	0.06	0.00	0.06
0.25	0.00	0.00	0.00	2.85	0.06	0.00	0.06
0.30	0.00	0.00	0.00	2.90	0.06	0.00	0.06
0.35	0.00	0.00	0.00	2.95	0.06	0.00	0.06
0.40	0.00	0.00	0.00	3.00	0.06	0.00	0.06
0.45	0.00	0.00	0.00	3.05	0.06	0.00	0.06
0.50	0.00	0.00	0.00	3.10	0.06	0.00	0.06
0.55	0.00	0.00	0.00	3.15	0.06	0.00	0.06
0.60	0.00	0.00	0.00	3.20	0.07	0.00	0.07
0.65	0.00	0.00	0.00	3.25	0.07	0.00	0.07
0.70	0.00	0.00	0.00	3.30	0.07	0.00	0.07
0.75	0.00	0.00	0.00	3.35	0.07	0.00	0.07
0.80	0.00	0.00	0.00	3.40	0.07	0.00	0.07
0.85	0.00	0.00	0.00	3.45	0.07	0.00	0.07
0.90	0.01	0.00	0.01	3.50	0.07	0.00	0.07
0.95	0.01	0.00	0.01	3.55	0.07	0.00	0.07
1.00	0.01	0.00	0.01	3.60	0.07	0.00	0.07
1.05	0.01	0.00	0.01	3.65	0.07	0.00	0.07
1.10	0.01	0.00	0.01	3.70	0.07	0.00	0.07
1.15	0.02	0.00	0.02	3.75	0.07	0.00	0.07
1.20	0.02	0.00	0.02	3.80	0.07	0.00	0.07
1.25	0.02	0.00	0.02	3.85	0.07	0.00	0.07
1.30	0.02	0.00	0.02	3.90	0.07	0.00	0.07
1.35	0.02	0.00	0.02	3.95	0.08	0.00	0.08
1.40	0.03	0.00	0.03	4.00	0.08	0.00	0.08
1.45	0.03	0.00	0.03	4.05	0.08	0.00	0.08
1.50	0.03	0.00	0.03	4.10	0.08	0.00	0.08
1.55	0.03	0.00	0.03	4.15	0.08	0.00	0.08
1.60	0.03	0.00	0.03	4.20	0.08	0.00	0.08
1.65	0.03	0.00	0.03	4.25	0.08	0.00	0.08
1.70	0.04	0.00	0.04	4.30	0.08	0.00	0.08
1.75	0.04	0.00	0.04	4.35	0.08	0.00	0.08
1.80	0.04	0.00	0.04	4.40	0.08	0.00	0.08
1.85	0.04	0.00	0.04	4.45	0.08	0.00	0.08
1.90	0.04	0.00	0.04	4.50	0.08	0.00	0.08
1.95	0.04	0.00	0.04	4.55	0.08	0.00	0.08
2.00	0.04	0.00	0.04	4.60	0.08	0.00	0.08
2.05	0.04	0.00	0.04	4.65	0.08	0.00	0.08
2.10	0.05	0.00	0.05	4.70	0.08	0.00	0.08
2.15	0.05	0.00	0.05	4.75	0.08	0.00	0.08
2.20	0.05	0.00	0.05	4.80	0.08	0.00	0.08
2.25	0.05	0.00	0.05	4.85	0.08	0.00	0.08
2.30	0.05	0.00	0.05	4.90	0.08	0.00	0.08
2.35	0.05	0.00	0.05	4.95	0.09	0.00	0.09
2.40	0.05	0.00	0.05	5.00	0.09	0.00	0.09
2.45	0.05	0.00	0.05	5.05	0.09	0.00	0.09
2.50	0.05	0.00	0.05	5.10	0.09	0.00	0.09
2.55	0.06	0.00	0.06	5.15	0.09	0.00	0.09

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.09	0.00	0.09	7.80	0.24	0.00	0.24
5.25	0.09	0.00	0.09	7.85	0.27	0.00	0.27
5.30	0.09	0.00	0.09	7.90	0.29	0.00	0.29
5.35	0.09	0.00	0.09	7.95	0.31	0.00	0.31
5.40	0.09	0.00	0.09	8.00	0.34	0.00	0.34
5.45	0.09	0.00	0.09	8.05	0.37	0.00	0.37
5.50	0.09	0.00	0.09	8.10	0.40	0.00	0.40
5.55	0.09	0.00	0.09	8.15	0.42	0.00	0.42
5.60	0.09	0.00	0.09	8.20	0.45	0.00	0.45
5.65	0.09	0.00	0.09	8.25	0.48	0.00	0.48
5.70	0.09	0.00	0.09	8.30	0.51	0.00	0.51
5.75	0.09	0.00	0.09	8.35	0.54	0.00	0.54
5.80	0.09	0.00	0.09	8.40	0.57	0.00	0.57
5.85	0.09	0.00	0.09	8.45	0.61	0.00	0.61
5.90	0.09	0.00	0.09	8.50	0.64	0.00	0.64
5.95	0.09	0.00	0.09	8.55	0.68	0.00	0.68
6.00	0.09	0.00	0.09	8.60	0.71	0.00	0.71
6.05	0.10	0.00	0.10	8.65	0.75	0.00	0.75
6.10	0.10	0.00	0.10	8.70	0.80	0.00	0.80
6.15	0.10	0.00	0.10	8.75	0.84	0.00	0.84
6.20	0.10	0.00	0.10	8.80	0.88	0.00	0.88
6.25	0.10	0.00	0.10	8.85	0.92	0.00	0.92
6.30	0.10	0.00	0.10	8.90	0.97	0.00	0.97
6.35	0.10	0.00	0.10	8.95	1.01	0.00	1.01
6.40	0.10	0.00	0.10	9.00	1.06	0.00	1.06
6.45	0.10	0.00	0.10	9.05	1.11	0.00	1.11
6.50	0.10	0.00	0.10	9.10	1.15	0.00	1.15
6.55	0.10	0.00	0.10	9.15	1.20	0.00	1.20
6.60	0.10	0.00	0.10	9.20	1.26	0.00	1.26
6.65	0.11	0.00	0.11	9.25	1.32	0.00	1.32
6.70	0.11	0.00	0.11	9.30	1.38	0.00	1.38
6.75	0.11	0.00	0.11	9.35	1.45	0.00	1.45
6.80	0.11	0.00	0.11	9.40	1.52	0.00	1.52
6.85	0.11	0.00	0.11	9.45	1.61	0.00	1.61
6.90	0.11	0.00	0.11	9.50	1.69	0.00	1.69
6.95	0.11	0.00	0.11	9.55	1.78	0.00	1.78
7.00	0.11	0.00	0.11	9.60	1.87	0.00	1.87
7.05	0.12	0.00	0.12	9.65	1.98	0.00	1.98
7.10	0.12	0.00	0.12	9.70	2.09	0.00	2.09
7.15	0.12	0.00	0.12	9.75	2.20	0.00	2.20
7.20	0.12	0.00	0.12	9.80	2.32	0.00	2.32
7.25	0.12	0.00	0.12	9.85	2.44	0.00	2.44
7.30	0.12	0.00	0.12	9.90	2.57	0.00	2.57
7.35	0.12	0.00	0.12	9.95	2.72	0.00	2.72
7.40	0.13	0.00	0.13	10.00	2.87	0.00	2.87
7.45	0.13	0.00	0.13	10.05	3.02	0.00	3.02
7.50	0.14	0.00	0.14	10.10	3.18	0.00	3.18
7.55	0.15	0.00	0.15	10.15	3.35	0.00	3.35
7.60	0.16	0.00	0.16	10.20	3.53	0.00	3.53
7.65	0.18	0.00	0.18	10.25	3.71	0.00	3.71
7.70	0.20	0.00	0.20	10.30	3.90	0.00	3.90
7.75	0.22	0.00	0.22	10.35	4.11	0.00	4.11

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	4.32	0.00	4.32	13.00	62.75	0.00	62.75
10.45	4.54	0.00	4.54	13.05	59.34	0.00	59.34
10.50	4.78	0.00	4.78	13.10	56.31	0.00	56.31
10.55	5.03	0.00	5.03	13.15	53.54	0.00	53.54
10.60	5.29	0.00	5.29	13.20	50.99	0.00	50.99
10.65	5.57	0.00	5.57	13.25	48.64	0.00	48.64
10.70	5.90	0.00	5.90	13.30	46.47	0.00	46.47
10.75	6.26	0.00	6.26	13.35	44.45	0.00	44.45
10.80	6.65	0.00	6.65	13.40	42.56	0.00	42.56
10.85	7.10	0.00	7.10	13.45	40.76	0.00	40.76
10.90	7.58	0.00	7.58	13.50	39.11	0.00	39.11
10.95	8.10	0.00	8.10	13.55	37.59	0.00	37.59
11.00	8.65	0.00	8.65	13.60	36.18	0.00	36.18
11.05	9.24	0.00	9.24	13.65	34.84	0.00	34.84
11.10	9.87	0.00	9.87	13.70	33.57	0.00	33.57
11.15	10.55	0.00	10.55	13.75	32.38	0.00	32.38
11.20	11.31	0.00	11.31	13.80	31.29	0.00	31.29
11.25	12.14	0.00	12.14	13.85	30.28	0.00	30.28
11.30	13.05	0.00	13.05	13.90	29.37	0.00	29.37
11.35	14.06	0.00	14.06	13.95	28.53	0.00	28.53
11.40	15.15	0.00	15.15	14.00	27.76	0.00	27.76
11.45	16.33	0.00	16.33	14.05	27.04	0.00	27.04
11.50	17.60	0.00	17.60	14.10	26.36	0.00	26.36
11.55	18.99	0.00	18.99	14.15	25.71	0.00	25.71
11.60	20.69	0.00	20.69	14.20	25.08	0.00	25.08
11.65	22.85	0.00	22.85	14.25	24.47	0.00	24.47
11.70	25.51	0.00	25.51	14.30	23.87	0.00	23.87
11.75	28.59	0.00	28.59	14.35	23.27	0.00	23.27
11.80	32.19	0.00	32.19	14.40	22.68	0.00	22.68
11.85	36.59	0.00	36.59	14.45	22.09	0.00	22.09
11.90	42.13	0.00	42.13	14.50	21.43	0.00	21.43
11.95	49.37	0.00	49.37	14.55	20.64	0.00	20.64
12.00	58.99	0.00	58.99	14.60	19.89	0.00	19.89
12.05	71.59	0.00	71.59	14.65	19.20	0.00	19.20
12.10	89.04	0.00	89.04	14.70	18.58	0.00	18.58
12.15	111.55	0.00	111.55	14.75	17.98	0.00	17.98
12.20	134.66	0.00	134.66	14.80	17.44	0.00	17.44
12.25	152.38	0.00	152.38	14.85	16.92	0.00	16.92
12.30	162.06	0.00	162.06	14.90	16.44	0.00	16.44
12.35	**163.64**	0.00	**163.64**	14.95	15.97	0.00	15.97
12.40	159.31	0.00	159.31	15.00	15.53	0.00	15.53
12.45	150.92	0.00	150.92	15.05	15.11	0.00	15.11
12.50	139.80	0.00	139.80	15.10	14.70	0.00	14.70
12.55	127.80	0.00	127.80	15.15	14.30	0.00	14.30
12.60	116.44	0.00	116.44	15.20	13.93	0.00	13.93
12.65	106.47	0.00	106.47	15.25	13.58	0.00	13.58
12.70	97.53	0.00	97.53	15.30	13.26	0.00	13.26
12.75	89.55	0.00	89.55	15.35	12.97	0.00	12.97
12.80	82.53	0.00	82.53	15.40	12.71	0.00	12.71
12.85	76.49	0.00	76.49	15.45	12.48	0.00	12.48
12.90	71.24	0.00	71.24	15.50	12.26	0.00	12.26
12.95	66.69	0.00	66.69	15.55	12.07	0.00	12.07

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	11.89	0.00	11.89	18.20	7.05	0.00	7.05
15.65	11.72	0.00	11.72	18.25	6.98	0.00	6.98
15.70	11.57	0.00	11.57	18.30	6.92	0.00	6.92
15.75	11.43	0.00	11.43	18.35	6.86	0.00	6.86
15.80	11.29	0.00	11.29	18.40	6.80	0.00	6.80
15.85	11.15	0.00	11.15	18.45	6.76	0.00	6.76
15.90	11.03	0.00	11.03	18.50	6.71	0.00	6.71
15.95	10.90	0.00	10.90	18.55	6.67	0.00	6.67
16.00	10.79	0.00	10.79	18.60	6.64	0.00	6.64
16.05	10.67	0.00	10.67	18.65	6.60	0.00	6.60
16.10	10.57	0.00	10.57	18.70	6.57	0.00	6.57
16.15	10.46	0.00	10.46	18.75	6.54	0.00	6.54
16.20	10.36	0.00	10.36	18.80	6.51	0.00	6.51
16.25	10.26	0.00	10.26	18.85	6.48	0.00	6.48
16.30	10.16	0.00	10.16	18.90	6.46	0.00	6.46
16.35	10.07	0.00	10.07	18.95	6.43	0.00	6.43
16.40	9.97	0.00	9.97	19.00	6.40	0.00	6.40
16.45	9.88	0.00	9.88	19.05	6.38	0.00	6.38
16.50	9.79	0.00	9.79	19.10	6.35	0.00	6.35
16.55	9.69	0.00	9.69	19.15	6.33	0.00	6.33
16.60	9.60	0.00	9.60	19.20	6.31	0.00	6.31
16.65	9.51	0.00	9.51	19.25	6.29	0.00	6.29
16.70	9.43	0.00	9.43	19.30	6.26	0.00	6.26
16.75	9.34	0.00	9.34	19.35	6.24	0.00	6.24
16.80	9.26	0.00	9.26	19.40	6.22	0.00	6.22
16.85	9.18	0.00	9.18	19.45	6.20	0.00	6.20
16.90	9.09	0.00	9.09	19.50	6.18	0.00	6.18
16.95	9.01	0.00	9.01	19.55	6.15	0.00	6.15
17.00	8.93	0.00	8.93	19.60	6.13	0.00	6.13
17.05	8.84	0.00	8.84	19.65	6.11	0.00	6.11
17.10	8.76	0.00	8.76	19.70	6.09	0.00	6.09
17.15	8.68	0.00	8.68	19.75	6.07	0.00	6.07
17.20	8.61	0.00	8.61	19.80	6.05	0.00	6.05
17.25	8.52	0.00	8.52	19.85	6.03	0.00	6.03
17.30	8.44	0.00	8.44	19.90	6.02	0.00	6.02
17.35	8.36	0.00	8.36	19.95	6.00	0.00	6.00
17.40	8.28	0.00	8.28	20.00	5.98	0.00	5.98
17.45	8.20	0.00	8.20	20.05	5.96	0.00	5.96
17.50	8.12	0.00	8.12	20.10	5.94	0.00	5.94
17.55	8.04	0.00	8.04	20.15	5.92	0.00	5.92
17.60	7.96	0.00	7.96	20.20	5.90	0.00	5.90
17.65	7.88	0.00	7.88	20.25	5.88	0.00	5.88
17.70	7.81	0.00	7.81	20.30	5.86	0.00	5.86
17.75	7.73	0.00	7.73	20.35	5.84	0.00	5.84
17.80	7.66	0.00	7.66	20.40	5.82	0.00	5.82
17.85	7.58	0.00	7.58	20.45	5.80	0.00	5.80
17.90	7.51	0.00	7.51	20.50	5.78	0.00	5.78
17.95	7.43	0.00	7.43	20.55	5.76	0.00	5.76
18.00	7.35	0.00	7.35	20.60	5.74	0.00	5.74
18.05	7.28	0.00	7.28	20.65	5.72	0.00	5.72
18.10	7.20	0.00	7.20	20.70	5.71	0.00	5.71
18.15	7.13	0.00	7.13	20.75	5.69	0.00	5.69

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	5.67	0.00	5.67	23.40	4.70	0.00	4.70
20.85	5.65	0.00	5.65	23.45	4.68	0.00	4.68
20.90	5.63	0.00	5.63	23.50	4.66	0.00	4.66
20.95	5.61	0.00	5.61	23.55	4.65	0.00	4.65
21.00	5.59	0.00	5.59	23.60	4.63	0.00	4.63
21.05	5.57	0.00	5.57	23.65	4.61	0.00	4.61
21.10	5.55	0.00	5.55	23.70	4.59	0.00	4.59
21.15	5.53	0.00	5.53	23.75	4.57	0.00	4.57
21.20	5.52	0.00	5.52	23.80	4.55	0.00	4.55
21.25	5.50	0.00	5.50	23.85	4.54	0.00	4.54
21.30	5.48	0.00	5.48	23.90	4.52	0.00	4.52
21.35	5.46	0.00	5.46	23.95	4.50	0.00	4.50
21.40	5.44	0.00	5.44	24.00	4.50	0.00	4.50
21.45	5.43	0.00	5.43	24.05	4.52	0.00	4.52
21.50	5.41	0.00	5.41	24.10	4.48	0.00	4.48
21.55	5.39	0.00	5.39	24.15	4.30	0.00	4.30
21.60	5.37	0.00	5.37	24.20	4.00	0.00	4.00
21.65	5.35	0.00	5.35	24.25	3.61	0.00	3.61
21.70	5.33	0.00	5.33	24.30	3.20	0.00	3.20
21.75	5.31	0.00	5.31	24.35	2.80	0.00	2.80
21.80	5.29	0.00	5.29	24.40	2.44	0.00	2.44
21.85	5.28	0.00	5.28	24.45	2.12	0.00	2.12
21.90	5.26	0.00	5.26	24.50	1.87	0.00	1.87
21.95	5.24	0.00	5.24	24.55	1.68	0.00	1.68
22.00	5.22	0.00	5.22	24.60	1.53	0.00	1.53
22.05	5.20	0.00	5.20	24.65	1.41	0.00	1.41
22.10	5.18	0.00	5.18	24.70	1.32	0.00	1.32
22.15	5.17	0.00	5.17	24.75	1.24	0.00	1.24
22.20	5.15	0.00	5.15	24.80	1.18	0.00	1.18
22.25	5.13	0.00	5.13	24.85	1.13	0.00	1.13
22.30	5.11	0.00	5.11	24.90	1.08	0.00	1.08
22.35	5.09	0.00	5.09	24.95	1.05	0.00	1.05
22.40	5.07	0.00	5.07	25.00	1.02	0.00	1.02
22.45	5.06	0.00	5.06	25.05	0.99	0.00	0.99
22.50	5.04	0.00	5.04	25.10	0.96	0.00	0.96
22.55	5.02	0.00	5.02	25.15	0.94	0.00	0.94
22.60	5.00	0.00	5.00	25.20	0.92	0.00	0.92
22.65	4.98	0.00	4.98	25.25	0.89	0.00	0.89
22.70	4.96	0.00	4.96	25.30	0.88	0.00	0.88
22.75	4.94	0.00	4.94	25.35	0.86	0.00	0.86
22.80	4.93	0.00	4.93	25.40	0.84	0.00	0.84
22.85	4.91	0.00	4.91	25.45	0.82	0.00	0.82
22.90	4.89	0.00	4.89	25.50	0.81	0.00	0.81
22.95	4.87	0.00	4.87	25.55	0.79	0.00	0.79
23.00	4.85	0.00	4.85	25.60	0.78	0.00	0.78
23.05	4.83	0.00	4.83	25.65	0.76	0.00	0.76
23.10	4.81	0.00	4.81	25.70	0.75	0.00	0.75
23.15	4.79	0.00	4.79	25.75	0.74	0.00	0.74
23.20	4.78	0.00	4.78	25.80	0.73	0.00	0.73
23.25	4.76	0.00	4.76	25.85	0.72	0.00	0.72
23.30	4.74	0.00	4.74	25.90	0.71	0.00	0.71
23.35	4.72	0.00	4.72	25.95	0.70	0.00	0.70

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.69	0.00	0.69	28.60	0.40	0.00	0.40
26.05	0.68	0.00	0.68	28.65	0.40	0.00	0.40
26.10	0.67	0.00	0.67	28.70	0.39	0.00	0.39
26.15	0.66	0.00	0.66	28.75	0.39	0.00	0.39
26.20	0.65	0.00	0.65	28.80	0.39	0.00	0.39
26.25	0.64	0.00	0.64	28.85	0.38	0.00	0.38
26.30	0.63	0.00	0.63	28.90	0.38	0.00	0.38
26.35	0.63	0.00	0.63	28.95	0.38	0.00	0.38
26.40	0.62	0.00	0.62	29.00	0.37	0.00	0.37
26.45	0.61	0.00	0.61	29.05	0.37	0.00	0.37
26.50	0.60	0.00	0.60	29.10	0.37	0.00	0.37
26.55	0.59	0.00	0.59	29.15	0.36	0.00	0.36
26.60	0.59	0.00	0.59	29.20	0.36	0.00	0.36
26.65	0.58	0.00	0.58	29.25	0.36	0.00	0.36
26.70	0.57	0.00	0.57	29.30	0.36	0.00	0.36
26.75	0.57	0.00	0.57	29.35	0.35	0.00	0.35
26.80	0.56	0.00	0.56	29.40	0.35	0.00	0.35
26.85	0.55	0.00	0.55	29.45	0.35	0.00	0.35
26.90	0.55	0.00	0.55	29.50	0.34	0.00	0.34
26.95	0.54	0.00	0.54	29.55	0.34	0.00	0.34
27.00	0.53	0.00	0.53	29.60	0.34	0.00	0.34
27.05	0.53	0.00	0.53	29.65	0.34	0.00	0.34
27.10	0.52	0.00	0.52	29.70	0.33	0.00	0.33
27.15	0.52	0.00	0.52	29.75	0.33	0.00	0.33
27.20	0.51	0.00	0.51	29.80	0.33	0.00	0.33
27.25	0.51	0.00	0.51	29.85	0.32	0.00	0.32
27.30	0.50	0.00	0.50	29.90	0.32	0.00	0.32
27.35	0.50	0.00	0.50	29.95	0.32	0.00	0.32
27.40	0.49	0.00	0.49	30.00	0.32	0.00	0.32
27.45	0.49	0.00	0.49	30.05	0.31	0.00	0.31
27.50	0.48	0.00	0.48	30.10	0.31	0.00	0.31
27.55	0.48	0.00	0.48	30.15	0.31	0.00	0.31
27.60	0.47	0.00	0.47	30.20	0.31	0.00	0.31
27.65	0.47	0.00	0.47	30.25	0.30	0.00	0.30
27.70	0.46	0.00	0.46	30.30	0.30	0.00	0.30
27.75	0.46	0.00	0.46	30.35	0.30	0.00	0.30
27.80	0.46	0.00	0.46	30.40	0.30	0.00	0.30
27.85	0.45	0.00	0.45	30.45	0.29	0.00	0.29
27.90	0.45	0.00	0.45	30.50	0.29	0.00	0.29
27.95	0.45	0.00	0.45	30.55	0.29	0.00	0.29
28.00	0.44	0.00	0.44	30.60	0.29	0.00	0.29
28.05	0.44	0.00	0.44	30.65	0.28	0.00	0.28
28.10	0.43	0.00	0.43	30.70	0.28	0.00	0.28
28.15	0.43	0.00	0.43	30.75	0.28	0.00	0.28
28.20	0.43	0.00	0.43	30.80	0.28	0.00	0.28
28.25	0.42	0.00	0.42	30.85	0.28	0.00	0.28
28.30	0.42	0.00	0.42	30.90	0.27	0.00	0.27
28.35	0.42	0.00	0.42	30.95	0.27	0.00	0.27
28.40	0.41	0.00	0.41	31.00	0.27	0.00	0.27
28.45	0.41	0.00	0.41	31.05	0.27	0.00	0.27
28.50	0.41	0.00	0.41	31.10	0.27	0.00	0.27
28.55	0.40	0.00	0.40	31.15	0.26	0.00	0.26

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.26	0.00	0.26	33.80	0.20	0.00	0.20
31.25	0.26	0.00	0.26	33.85	0.20	0.00	0.20
31.30	0.26	0.00	0.26	33.90	0.20	0.00	0.20
31.35	0.26	0.00	0.26	33.95	0.20	0.00	0.20
31.40	0.26	0.00	0.26	34.00	0.20	0.00	0.20
31.45	0.26	0.00	0.26	34.05	0.20	0.00	0.20
31.50	0.25	0.00	0.25	34.10	0.20	0.00	0.20
31.55	0.25	0.00	0.25	34.15	0.20	0.00	0.20
31.60	0.25	0.00	0.25	34.20	0.19	0.00	0.19
31.65	0.25	0.00	0.25	34.25	0.19	0.00	0.19
31.70	0.25	0.00	0.25	34.30	0.19	0.00	0.19
31.75	0.25	0.00	0.25	34.35	0.19	0.00	0.19
31.80	0.25	0.00	0.25	34.40	0.19	0.00	0.19
31.85	0.24	0.00	0.24	34.45	0.19	0.00	0.19
31.90	0.24	0.00	0.24	34.50	0.19	0.00	0.19
31.95	0.24	0.00	0.24	34.55	0.19	0.00	0.19
32.00	0.24	0.00	0.24	34.60	0.19	0.00	0.19
32.05	0.24	0.00	0.24	34.65	0.19	0.00	0.19
32.10	0.24	0.00	0.24	34.70	0.19	0.00	0.19
32.15	0.24	0.00	0.24	34.75	0.19	0.00	0.19
32.20	0.23	0.00	0.23	34.80	0.19	0.00	0.19
32.25	0.23	0.00	0.23	34.85	0.18	0.00	0.18
32.30	0.23	0.00	0.23	34.90	0.18	0.00	0.18
32.35	0.23	0.00	0.23	34.95	0.18	0.00	0.18
32.40	0.23	0.00	0.23	35.00	0.18	0.00	0.18
32.45	0.23	0.00	0.23	35.05	0.18	0.00	0.18
32.50	0.23	0.00	0.23	35.10	0.18	0.00	0.18
32.55	0.23	0.00	0.23	35.15	0.18	0.00	0.18
32.60	0.23	0.00	0.23	35.20	0.18	0.00	0.18
32.65	0.22	0.00	0.22	35.25	0.18	0.00	0.18
32.70	0.22	0.00	0.22	35.30	0.18	0.00	0.18
32.75	0.22	0.00	0.22	35.35	0.18	0.00	0.18
32.80	0.22	0.00	0.22	35.40	0.18	0.00	0.18
32.85	0.22	0.00	0.22	35.45	0.18	0.00	0.18
32.90	0.22	0.00	0.22	35.50	0.17	0.00	0.17
32.95	0.22	0.00	0.22	35.55	0.17	0.00	0.17
33.00	0.22	0.00	0.22	35.60	0.17	0.00	0.17
33.05	0.22	0.00	0.22	35.65	0.17	0.00	0.17
33.10	0.22	0.00	0.22	35.70	0.17	0.00	0.17
33.15	0.21	0.00	0.21	35.75	0.17	0.00	0.17
33.20	0.21	0.00	0.21	35.80	0.17	0.00	0.17
33.25	0.21	0.00	0.21	35.85	0.17	0.00	0.17
33.30	0.21	0.00	0.21	35.90	0.17	0.00	0.17
33.35	0.21	0.00	0.21	35.95	0.17	0.00	0.17
33.40	0.21	0.00	0.21	36.00	0.17	0.00	0.17
33.45	0.21	0.00	0.21	36.05	0.17	0.00	0.17
33.50	0.21	0.00	0.21	36.10	0.17	0.00	0.17
33.55	0.21	0.00	0.21	36.15	0.17	0.00	0.17
33.60	0.21	0.00	0.21	36.20	0.16	0.00	0.16
33.65	0.20	0.00	0.20	36.25	0.16	0.00	0.16
33.70	0.20	0.00	0.20	36.30	0.16	0.00	0.16
33.75	0.20	0.00	0.20	36.35	0.16	0.00	0.16

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

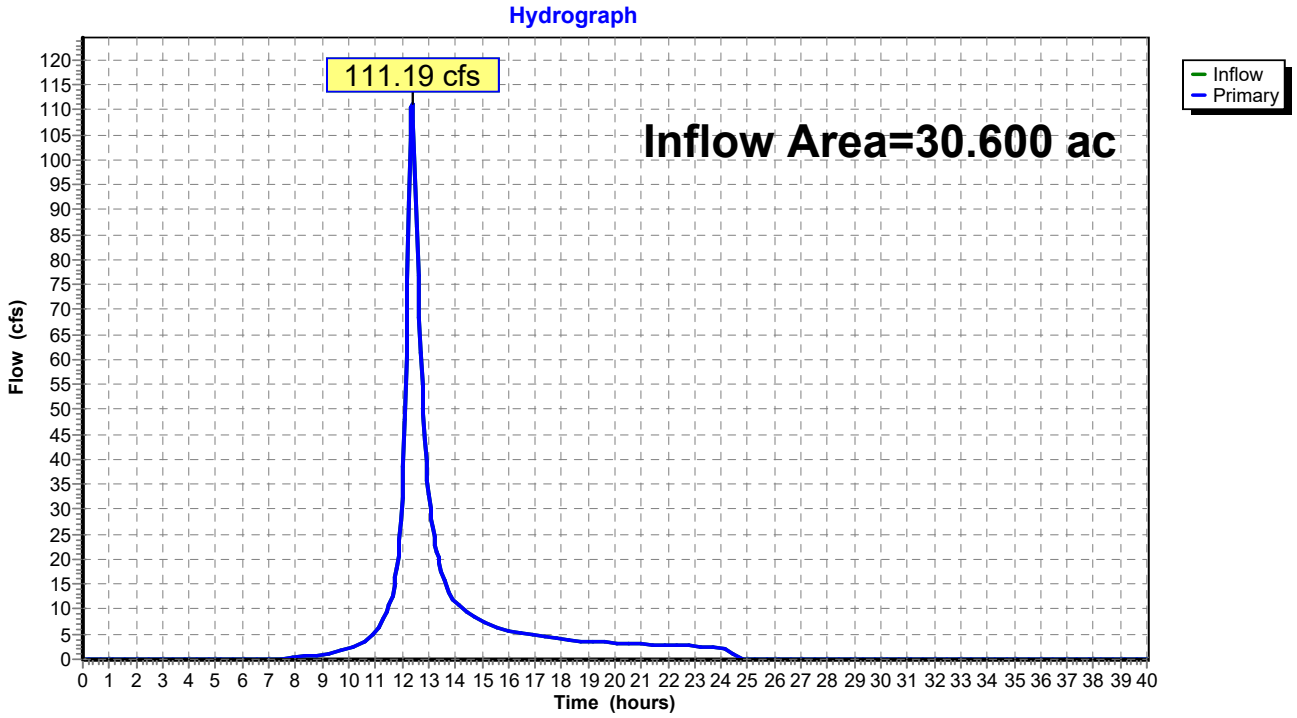
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.16	0.00	0.16
36.45	0.16	0.00	0.16
36.50	0.16	0.00	0.16
36.55	0.16	0.00	0.16
36.60	0.16	0.00	0.16
36.65	0.16	0.00	0.16
36.70	0.16	0.00	0.16
36.75	0.16	0.00	0.16
36.80	0.16	0.00	0.16
36.85	0.16	0.00	0.16
36.90	0.16	0.00	0.16
36.95	0.15	0.00	0.15
37.00	0.15	0.00	0.15
37.05	0.15	0.00	0.15
37.10	0.15	0.00	0.15
37.15	0.15	0.00	0.15
37.20	0.15	0.00	0.15
37.25	0.15	0.00	0.15
37.30	0.15	0.00	0.15
37.35	0.15	0.00	0.15
37.40	0.15	0.00	0.15
37.45	0.15	0.00	0.15
37.50	0.15	0.00	0.15
37.55	0.15	0.00	0.15
37.60	0.15	0.00	0.15
37.65	0.15	0.00	0.15
37.70	0.15	0.00	0.15
37.75	0.14	0.00	0.14
37.80	0.14	0.00	0.14
37.85	0.14	0.00	0.14
37.90	0.14	0.00	0.14
37.95	0.14	0.00	0.14
38.00	0.14	0.00	0.14
38.05	0.14	0.00	0.14
38.10	0.14	0.00	0.14
38.15	0.14	0.00	0.14
38.20	0.14	0.00	0.14
38.25	0.14	0.00	0.14
38.30	0.14	0.00	0.14
38.35	0.14	0.00	0.14
38.40	0.14	0.00	0.14
38.45	0.14	0.00	0.14
38.50	0.14	0.00	0.14
38.55	0.14	0.00	0.14
38.60	0.14	0.00	0.14
38.65	0.13	0.00	0.13
38.70	0.13	0.00	0.13
38.75	0.13	0.00	0.13
38.80	0.13	0.00	0.13
38.85	0.13	0.00	0.13
38.90	0.13	0.00	0.13
38.95	0.13	0.00	0.13
39.00	0.13	0.00	0.13
39.05	0.13	0.00	0.13
39.10	0.13	0.00	0.13
39.15	0.13	0.00	0.13
39.20	0.13	0.00	0.13
39.25	0.13	0.00	0.13
39.30	0.13	0.00	0.13
39.35	0.13	0.00	0.13
39.40	0.13	0.00	0.13
39.45	0.13	0.00	0.13
39.50	0.13	0.00	0.13
39.55	0.12	0.00	0.12
39.60	0.12	0.00	0.12
39.65	0.12	0.00	0.12
39.70	0.12	0.00	0.12
39.75	0.12	0.00	0.12
39.80	0.12	0.00	0.12
39.85	0.12	0.00	0.12
39.90	0.12	0.00	0.12
39.95	0.12	0.00	0.12
40.00	0.12	0.00	0.12

Summary for Link PDA-6OF: Proposed Offsite Drainage Area #6

Inflow Area = 30.600 ac, 2.48% Impervious, Inflow Depth = 4.93" for Current 100 yr event
Inflow = 111.19 cfs @ 12.37 hrs, Volume= 12.566 af
Primary = 111.19 cfs @ 12.37 hrs, Volume= 12.566 af, Atten= 0%, Lag= 0.0 min
Routed to Link PDA-6 : Proposed Drainage Area #6

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link PDA-6OF: Proposed Offsite Drainage Area #6



Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.06	0.00	0.06
0.05	0.00	0.00	0.00	2.65	0.06	0.00	0.06
0.10	0.00	0.00	0.00	2.70	0.06	0.00	0.06
0.15	0.00	0.00	0.00	2.75	0.06	0.00	0.06
0.20	0.00	0.00	0.00	2.80	0.06	0.00	0.06
0.25	0.00	0.00	0.00	2.85	0.06	0.00	0.06
0.30	0.00	0.00	0.00	2.90	0.06	0.00	0.06
0.35	0.00	0.00	0.00	2.95	0.06	0.00	0.06
0.40	0.00	0.00	0.00	3.00	0.06	0.00	0.06
0.45	0.00	0.00	0.00	3.05	0.06	0.00	0.06
0.50	0.00	0.00	0.00	3.10	0.06	0.00	0.06
0.55	0.00	0.00	0.00	3.15	0.06	0.00	0.06
0.60	0.00	0.00	0.00	3.20	0.07	0.00	0.07
0.65	0.00	0.00	0.00	3.25	0.07	0.00	0.07
0.70	0.00	0.00	0.00	3.30	0.07	0.00	0.07
0.75	0.00	0.00	0.00	3.35	0.07	0.00	0.07
0.80	0.00	0.00	0.00	3.40	0.07	0.00	0.07
0.85	0.00	0.00	0.00	3.45	0.07	0.00	0.07
0.90	0.01	0.00	0.01	3.50	0.07	0.00	0.07
0.95	0.01	0.00	0.01	3.55	0.07	0.00	0.07
1.00	0.01	0.00	0.01	3.60	0.07	0.00	0.07
1.05	0.01	0.00	0.01	3.65	0.07	0.00	0.07
1.10	0.01	0.00	0.01	3.70	0.07	0.00	0.07
1.15	0.02	0.00	0.02	3.75	0.07	0.00	0.07
1.20	0.02	0.00	0.02	3.80	0.07	0.00	0.07
1.25	0.02	0.00	0.02	3.85	0.07	0.00	0.07
1.30	0.02	0.00	0.02	3.90	0.07	0.00	0.07
1.35	0.02	0.00	0.02	3.95	0.08	0.00	0.08
1.40	0.03	0.00	0.03	4.00	0.08	0.00	0.08
1.45	0.03	0.00	0.03	4.05	0.08	0.00	0.08
1.50	0.03	0.00	0.03	4.10	0.08	0.00	0.08
1.55	0.03	0.00	0.03	4.15	0.08	0.00	0.08
1.60	0.03	0.00	0.03	4.20	0.08	0.00	0.08
1.65	0.03	0.00	0.03	4.25	0.08	0.00	0.08
1.70	0.04	0.00	0.04	4.30	0.08	0.00	0.08
1.75	0.04	0.00	0.04	4.35	0.08	0.00	0.08
1.80	0.04	0.00	0.04	4.40	0.08	0.00	0.08
1.85	0.04	0.00	0.04	4.45	0.08	0.00	0.08
1.90	0.04	0.00	0.04	4.50	0.08	0.00	0.08
1.95	0.04	0.00	0.04	4.55	0.08	0.00	0.08
2.00	0.04	0.00	0.04	4.60	0.08	0.00	0.08
2.05	0.04	0.00	0.04	4.65	0.08	0.00	0.08
2.10	0.05	0.00	0.05	4.70	0.08	0.00	0.08
2.15	0.05	0.00	0.05	4.75	0.08	0.00	0.08
2.20	0.05	0.00	0.05	4.80	0.08	0.00	0.08
2.25	0.05	0.00	0.05	4.85	0.08	0.00	0.08
2.30	0.05	0.00	0.05	4.90	0.08	0.00	0.08
2.35	0.05	0.00	0.05	4.95	0.09	0.00	0.09
2.40	0.05	0.00	0.05	5.00	0.09	0.00	0.09
2.45	0.05	0.00	0.05	5.05	0.09	0.00	0.09
2.50	0.05	0.00	0.05	5.10	0.09	0.00	0.09
2.55	0.06	0.00	0.06	5.15	0.09	0.00	0.09

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.09	0.00	0.09	7.80	0.24	0.00	0.24
5.25	0.09	0.00	0.09	7.85	0.27	0.00	0.27
5.30	0.09	0.00	0.09	7.90	0.29	0.00	0.29
5.35	0.09	0.00	0.09	7.95	0.31	0.00	0.31
5.40	0.09	0.00	0.09	8.00	0.34	0.00	0.34
5.45	0.09	0.00	0.09	8.05	0.37	0.00	0.37
5.50	0.09	0.00	0.09	8.10	0.40	0.00	0.40
5.55	0.09	0.00	0.09	8.15	0.42	0.00	0.42
5.60	0.09	0.00	0.09	8.20	0.45	0.00	0.45
5.65	0.09	0.00	0.09	8.25	0.48	0.00	0.48
5.70	0.09	0.00	0.09	8.30	0.51	0.00	0.51
5.75	0.09	0.00	0.09	8.35	0.54	0.00	0.54
5.80	0.09	0.00	0.09	8.40	0.57	0.00	0.57
5.85	0.09	0.00	0.09	8.45	0.60	0.00	0.60
5.90	0.09	0.00	0.09	8.50	0.64	0.00	0.64
5.95	0.09	0.00	0.09	8.55	0.67	0.00	0.67
6.00	0.09	0.00	0.09	8.60	0.70	0.00	0.70
6.05	0.10	0.00	0.10	8.65	0.73	0.00	0.73
6.10	0.10	0.00	0.10	8.70	0.77	0.00	0.77
6.15	0.10	0.00	0.10	8.75	0.80	0.00	0.80
6.20	0.10	0.00	0.10	8.80	0.84	0.00	0.84
6.25	0.10	0.00	0.10	8.85	0.87	0.00	0.87
6.30	0.10	0.00	0.10	8.90	0.91	0.00	0.91
6.35	0.10	0.00	0.10	8.95	0.94	0.00	0.94
6.40	0.10	0.00	0.10	9.00	0.98	0.00	0.98
6.45	0.10	0.00	0.10	9.05	1.02	0.00	1.02
6.50	0.10	0.00	0.10	9.10	1.05	0.00	1.05
6.55	0.10	0.00	0.10	9.15	1.09	0.00	1.09
6.60	0.10	0.00	0.10	9.20	1.14	0.00	1.14
6.65	0.11	0.00	0.11	9.25	1.18	0.00	1.18
6.70	0.11	0.00	0.11	9.30	1.23	0.00	1.23
6.75	0.11	0.00	0.11	9.35	1.29	0.00	1.29
6.80	0.11	0.00	0.11	9.40	1.34	0.00	1.34
6.85	0.11	0.00	0.11	9.45	1.41	0.00	1.41
6.90	0.11	0.00	0.11	9.50	1.47	0.00	1.47
6.95	0.11	0.00	0.11	9.55	1.54	0.00	1.54
7.00	0.11	0.00	0.11	9.60	1.61	0.00	1.61
7.05	0.12	0.00	0.12	9.65	1.69	0.00	1.69
7.10	0.12	0.00	0.12	9.70	1.77	0.00	1.77
7.15	0.12	0.00	0.12	9.75	1.85	0.00	1.85
7.20	0.12	0.00	0.12	9.80	1.93	0.00	1.93
7.25	0.12	0.00	0.12	9.85	2.02	0.00	2.02
7.30	0.12	0.00	0.12	9.90	2.11	0.00	2.11
7.35	0.12	0.00	0.12	9.95	2.20	0.00	2.20
7.40	0.13	0.00	0.13	10.00	2.29	0.00	2.29
7.45	0.13	0.00	0.13	10.05	2.39	0.00	2.39
7.50	0.14	0.00	0.14	10.10	2.49	0.00	2.49
7.55	0.15	0.00	0.15	10.15	2.59	0.00	2.59
7.60	0.16	0.00	0.16	10.20	2.69	0.00	2.69
7.65	0.18	0.00	0.18	10.25	2.80	0.00	2.80
7.70	0.20	0.00	0.20	10.30	2.90	0.00	2.90
7.75	0.22	0.00	0.22	10.35	3.02	0.00	3.02

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	3.13	0.00	3.13	13.00	32.86	0.00	32.86
10.45	3.25	0.00	3.25	13.05	30.29	0.00	30.29
10.50	3.36	0.00	3.36	13.10	28.10	0.00	28.10
10.55	3.49	0.00	3.49	13.15	26.18	0.00	26.18
10.60	3.61	0.00	3.61	13.20	24.46	0.00	24.46
10.65	3.75	0.00	3.75	13.25	22.91	0.00	22.91
10.70	3.91	0.00	3.91	13.30	21.52	0.00	21.52
10.75	4.09	0.00	4.09	13.35	20.26	0.00	20.26
10.80	4.30	0.00	4.30	13.40	19.13	0.00	19.13
10.85	4.54	0.00	4.54	13.45	18.10	0.00	18.10
10.90	4.80	0.00	4.80	13.50	17.16	0.00	17.16
10.95	5.10	0.00	5.10	13.55	16.32	0.00	16.32
11.00	5.41	0.00	5.41	13.60	15.56	0.00	15.56
11.05	5.75	0.00	5.75	13.65	14.85	0.00	14.85
11.10	6.11	0.00	6.11	13.70	14.17	0.00	14.17
11.15	6.50	0.00	6.50	13.75	13.54	0.00	13.54
11.20	6.93	0.00	6.93	13.80	12.96	0.00	12.96
11.25	7.40	0.00	7.40	13.85	12.44	0.00	12.44
11.30	7.93	0.00	7.93	13.90	11.99	0.00	11.99
11.35	8.52	0.00	8.52	13.95	11.60	0.00	11.60
11.40	9.16	0.00	9.16	14.00	11.27	0.00	11.27
11.45	9.84	0.00	9.84	14.05	10.98	0.00	10.98
11.50	10.57	0.00	10.57	14.10	10.72	0.00	10.72
11.55	11.35	0.00	11.35	14.15	10.49	0.00	10.49
11.60	12.23	0.00	12.23	14.20	10.28	0.00	10.28
11.65	13.31	0.00	13.31	14.25	10.09	0.00	10.09
11.70	14.67	0.00	14.67	14.30	9.90	0.00	9.90
11.75	16.36	0.00	16.36	14.35	9.72	0.00	9.72
11.80	18.40	0.00	18.40	14.40	9.55	0.00	9.55
11.85	20.80	0.00	20.80	14.45	9.38	0.00	9.38
11.90	23.71	0.00	23.71	14.50	9.21	0.00	9.21
11.95	27.38	0.00	27.38	14.55	9.05	0.00	9.05
12.00	32.21	0.00	32.21	14.60	8.89	0.00	8.89
12.05	38.72	0.00	38.72	14.65	8.73	0.00	8.73
12.10	47.95	0.00	47.95	14.70	8.57	0.00	8.57
12.15	60.57	0.00	60.57	14.75	8.41	0.00	8.41
12.20	75.93	0.00	75.93	14.80	8.25	0.00	8.25
12.25	91.70	0.00	91.70	14.85	8.08	0.00	8.08
12.30	104.31	0.00	104.31	14.90	7.93	0.00	7.93
12.35	**110.51**	0.00	**110.51**	14.95	7.77	0.00	7.77
12.40	110.23	0.00	110.23	15.00	7.61	0.00	7.61
12.45	105.10	0.00	105.10	15.05	7.45	0.00	7.45
12.50	96.55	0.00	96.55	15.10	7.29	0.00	7.29
12.55	86.50	0.00	86.50	15.15	7.13	0.00	7.13
12.60	76.79	0.00	76.79	15.20	6.97	0.00	6.97
12.65	68.51	0.00	68.51	15.25	6.82	0.00	6.82
12.70	61.27	0.00	61.27	15.30	6.67	0.00	6.67
12.75	54.77	0.00	54.77	15.35	6.54	0.00	6.54
12.80	48.97	0.00	48.97	15.40	6.43	0.00	6.43
12.85	43.96	0.00	43.96	15.45	6.33	0.00	6.33
12.90	39.64	0.00	39.64	15.50	6.24	0.00	6.24
12.95	35.95	0.00	35.95	15.55	6.17	0.00	6.17

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	6.10	0.00	6.10	18.20	3.82	0.00	3.82
15.65	6.04	0.00	6.04	18.25	3.78	0.00	3.78
15.70	5.99	0.00	5.99	18.30	3.74	0.00	3.74
15.75	5.94	0.00	5.94	18.35	3.70	0.00	3.70
15.80	5.89	0.00	5.89	18.40	3.67	0.00	3.67
15.85	5.84	0.00	5.84	18.45	3.65	0.00	3.65
15.90	5.79	0.00	5.79	18.50	3.62	0.00	3.62
15.95	5.74	0.00	5.74	18.55	3.60	0.00	3.60
16.00	5.70	0.00	5.70	18.60	3.59	0.00	3.59
16.05	5.66	0.00	5.66	18.65	3.57	0.00	3.57
16.10	5.61	0.00	5.61	18.70	3.55	0.00	3.55
16.15	5.57	0.00	5.57	18.75	3.54	0.00	3.54
16.20	5.53	0.00	5.53	18.80	3.53	0.00	3.53
16.25	5.49	0.00	5.49	18.85	3.52	0.00	3.52
16.30	5.44	0.00	5.44	18.90	3.51	0.00	3.51
16.35	5.40	0.00	5.40	18.95	3.49	0.00	3.49
16.40	5.36	0.00	5.36	19.00	3.48	0.00	3.48
16.45	5.32	0.00	5.32	19.05	3.47	0.00	3.47
16.50	5.28	0.00	5.28	19.10	3.46	0.00	3.46
16.55	5.23	0.00	5.23	19.15	3.45	0.00	3.45
16.60	5.19	0.00	5.19	19.20	3.44	0.00	3.44
16.65	5.15	0.00	5.15	19.25	3.43	0.00	3.43
16.70	5.10	0.00	5.10	19.30	3.42	0.00	3.42
16.75	5.06	0.00	5.06	19.35	3.41	0.00	3.41
16.80	5.02	0.00	5.02	19.40	3.40	0.00	3.40
16.85	4.98	0.00	4.98	19.45	3.38	0.00	3.38
16.90	4.94	0.00	4.94	19.50	3.37	0.00	3.37
16.95	4.89	0.00	4.89	19.55	3.36	0.00	3.36
17.00	4.85	0.00	4.85	19.60	3.35	0.00	3.35
17.05	4.81	0.00	4.81	19.65	3.34	0.00	3.34
17.10	4.77	0.00	4.77	19.70	3.33	0.00	3.33
17.15	4.72	0.00	4.72	19.75	3.32	0.00	3.32
17.20	4.68	0.00	4.68	19.80	3.31	0.00	3.31
17.25	4.64	0.00	4.64	19.85	3.30	0.00	3.30
17.30	4.60	0.00	4.60	19.90	3.29	0.00	3.29
17.35	4.55	0.00	4.55	19.95	3.28	0.00	3.28
17.40	4.51	0.00	4.51	20.00	3.27	0.00	3.27
17.45	4.47	0.00	4.47	20.05	3.26	0.00	3.26
17.50	4.42	0.00	4.42	20.10	3.25	0.00	3.25
17.55	4.38	0.00	4.38	20.15	3.24	0.00	3.24
17.60	4.34	0.00	4.34	20.20	3.23	0.00	3.23
17.65	4.29	0.00	4.29	20.25	3.22	0.00	3.22
17.70	4.25	0.00	4.25	20.30	3.21	0.00	3.21
17.75	4.21	0.00	4.21	20.35	3.20	0.00	3.20
17.80	4.16	0.00	4.16	20.40	3.18	0.00	3.18
17.85	4.12	0.00	4.12	20.45	3.17	0.00	3.17
17.90	4.08	0.00	4.08	20.50	3.16	0.00	3.16
17.95	4.04	0.00	4.04	20.55	3.15	0.00	3.15
18.00	3.99	0.00	3.99	20.60	3.14	0.00	3.14
18.05	3.95	0.00	3.95	20.65	3.13	0.00	3.13
18.10	3.90	0.00	3.90	20.70	3.12	0.00	3.12
18.15	3.86	0.00	3.86	20.75	3.11	0.00	3.11

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	3.10	0.00	3.10	23.40	2.53	0.00	2.53
20.85	3.09	0.00	3.09	23.45	2.52	0.00	2.52
20.90	3.08	0.00	3.08	23.50	2.51	0.00	2.51
20.95	3.07	0.00	3.07	23.55	2.50	0.00	2.50
21.00	3.06	0.00	3.06	23.60	2.49	0.00	2.49
21.05	3.05	0.00	3.05	23.65	2.48	0.00	2.48
21.10	3.03	0.00	3.03	23.70	2.47	0.00	2.47
21.15	3.02	0.00	3.02	23.75	2.46	0.00	2.46
21.20	3.01	0.00	3.01	23.80	2.45	0.00	2.45
21.25	3.00	0.00	3.00	23.85	2.44	0.00	2.44
21.30	2.99	0.00	2.99	23.90	2.43	0.00	2.43
21.35	2.98	0.00	2.98	23.95	2.42	0.00	2.42
21.40	2.97	0.00	2.97	24.00	2.41	0.00	2.41
21.45	2.96	0.00	2.96	24.05	2.41	0.00	2.41
21.50	2.95	0.00	2.95	24.10	2.41	0.00	2.41
21.55	2.94	0.00	2.94	24.15	2.37	0.00	2.37
21.60	2.93	0.00	2.93	24.20	2.24	0.00	2.24
21.65	2.92	0.00	2.92	24.25	2.02	0.00	2.02
21.70	2.91	0.00	2.91	24.30	1.74	0.00	1.74
21.75	2.89	0.00	2.89	24.35	1.42	0.00	1.42
21.80	2.88	0.00	2.88	24.40	1.12	0.00	1.12
21.85	2.87	0.00	2.87	24.45	0.85	0.00	0.85
21.90	2.86	0.00	2.86	24.50	0.64	0.00	0.64
21.95	2.85	0.00	2.85	24.55	0.48	0.00	0.48
22.00	2.84	0.00	2.84	24.60	0.36	0.00	0.36
22.05	2.83	0.00	2.83	24.65	0.27	0.00	0.27
22.10	2.82	0.00	2.82	24.70	0.21	0.00	0.21
22.15	2.81	0.00	2.81	24.75	0.15	0.00	0.15
22.20	2.80	0.00	2.80	24.80	0.12	0.00	0.12
22.25	2.79	0.00	2.79	24.85	0.09	0.00	0.09
22.30	2.78	0.00	2.78	24.90	0.07	0.00	0.07
22.35	2.77	0.00	2.77	24.95	0.05	0.00	0.05
22.40	2.76	0.00	2.76	25.00	0.04	0.00	0.04
22.45	2.75	0.00	2.75	25.05	0.03	0.00	0.03
22.50	2.73	0.00	2.73	25.10	0.02	0.00	0.02
22.55	2.72	0.00	2.72	25.15	0.01	0.00	0.01
22.60	2.71	0.00	2.71	25.20	0.01	0.00	0.01
22.65	2.70	0.00	2.70	25.25	0.01	0.00	0.01
22.70	2.69	0.00	2.69	25.30	0.00	0.00	0.00
22.75	2.68	0.00	2.68	25.35	0.00	0.00	0.00
22.80	2.67	0.00	2.67	25.40	0.00	0.00	0.00
22.85	2.66	0.00	2.66	25.45	0.00	0.00	0.00
22.90	2.65	0.00	2.65	25.50	0.00	0.00	0.00
22.95	2.63	0.00	2.63	25.55	0.00	0.00	0.00
23.00	2.62	0.00	2.62	25.60	0.00	0.00	0.00
23.05	2.61	0.00	2.61	25.65	0.00	0.00	0.00
23.10	2.60	0.00	2.60	25.70	0.00	0.00	0.00
23.15	2.59	0.00	2.59	25.75	0.00	0.00	0.00
23.20	2.58	0.00	2.58	25.80	0.00	0.00	0.00
23.25	2.57	0.00	2.57	25.85	0.00	0.00	0.00
23.30	2.56	0.00	2.56	25.90	0.00	0.00	0.00
23.35	2.55	0.00	2.55	25.95	0.00	0.00	0.00

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

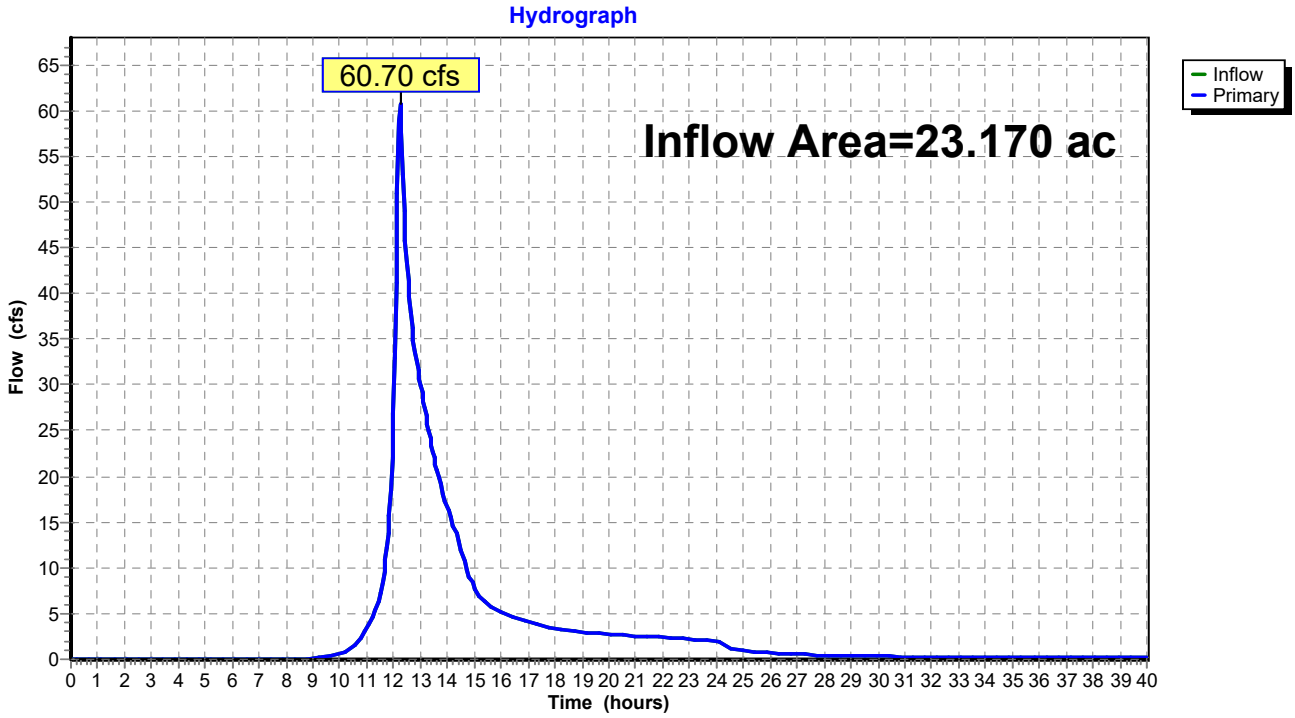
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link PDA-6ON: Proposed Onsite Drainage Area #6

Inflow Area = 23.170 ac, 25.64% Impervious, Inflow Depth > 5.28" for Current 100 yr event
Inflow = 60.70 cfs @ 12.24 hrs, Volume= 10.193 af
Primary = 60.70 cfs @ 12.24 hrs, Volume= 10.193 af, Atten= 0%, Lag= 0.0 min
Routed to Link PDA-6 : Proposed Drainage Area #6

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link PDA-6ON: Proposed Onsite Drainage Area #6



Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.01	0.00	0.01
6.00	0.00	0.00	0.00	8.60	0.01	0.00	0.01
6.05	0.00	0.00	0.00	8.65	0.02	0.00	0.02
6.10	0.00	0.00	0.00	8.70	0.03	0.00	0.03
6.15	0.00	0.00	0.00	8.75	0.04	0.00	0.04
6.20	0.00	0.00	0.00	8.80	0.04	0.00	0.04
6.25	0.00	0.00	0.00	8.85	0.05	0.00	0.05
6.30	0.00	0.00	0.00	8.90	0.06	0.00	0.06
6.35	0.00	0.00	0.00	8.95	0.07	0.00	0.07
6.40	0.00	0.00	0.00	9.00	0.08	0.00	0.08
6.45	0.00	0.00	0.00	9.05	0.09	0.00	0.09
6.50	0.00	0.00	0.00	9.10	0.10	0.00	0.10
6.55	0.00	0.00	0.00	9.15	0.11	0.00	0.11
6.60	0.00	0.00	0.00	9.20	0.12	0.00	0.12
6.65	0.00	0.00	0.00	9.25	0.13	0.00	0.13
6.70	0.00	0.00	0.00	9.30	0.15	0.00	0.15
6.75	0.00	0.00	0.00	9.35	0.16	0.00	0.16
6.80	0.00	0.00	0.00	9.40	0.18	0.00	0.18
6.85	0.00	0.00	0.00	9.45	0.20	0.00	0.20
6.90	0.00	0.00	0.00	9.50	0.22	0.00	0.22
6.95	0.00	0.00	0.00	9.55	0.24	0.00	0.24
7.00	0.00	0.00	0.00	9.60	0.26	0.00	0.26
7.05	0.00	0.00	0.00	9.65	0.29	0.00	0.29
7.10	0.00	0.00	0.00	9.70	0.32	0.00	0.32
7.15	0.00	0.00	0.00	9.75	0.35	0.00	0.35
7.20	0.00	0.00	0.00	9.80	0.39	0.00	0.39
7.25	0.00	0.00	0.00	9.85	0.43	0.00	0.43
7.30	0.00	0.00	0.00	9.90	0.47	0.00	0.47
7.35	0.00	0.00	0.00	9.95	0.52	0.00	0.52
7.40	0.00	0.00	0.00	10.00	0.58	0.00	0.58
7.45	0.00	0.00	0.00	10.05	0.63	0.00	0.63
7.50	0.00	0.00	0.00	10.10	0.69	0.00	0.69
7.55	0.00	0.00	0.00	10.15	0.76	0.00	0.76
7.60	0.00	0.00	0.00	10.20	0.84	0.00	0.84
7.65	0.00	0.00	0.00	10.25	0.91	0.00	0.91
7.70	0.00	0.00	0.00	10.30	1.00	0.00	1.00
7.75	0.00	0.00	0.00	10.35	1.09	0.00	1.09

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	1.19	0.00	1.19	13.00	29.89	0.00	29.89
10.45	1.30	0.00	1.30	13.05	29.05	0.00	29.05
10.50	1.42	0.00	1.42	13.10	28.21	0.00	28.21
10.55	1.55	0.00	1.55	13.15	27.36	0.00	27.36
10.60	1.68	0.00	1.68	13.20	26.53	0.00	26.53
10.65	1.82	0.00	1.82	13.25	25.72	0.00	25.72
10.70	1.99	0.00	1.99	13.30	24.95	0.00	24.95
10.75	2.17	0.00	2.17	13.35	24.19	0.00	24.19
10.80	2.36	0.00	2.36	13.40	23.43	0.00	23.43
10.85	2.56	0.00	2.56	13.45	22.66	0.00	22.66
10.90	2.78	0.00	2.78	13.50	21.95	0.00	21.95
10.95	3.01	0.00	3.01	13.55	21.27	0.00	21.27
11.00	3.24	0.00	3.24	13.60	20.62	0.00	20.62
11.05	3.49	0.00	3.49	13.65	19.99	0.00	19.99
11.10	3.76	0.00	3.76	13.70	19.40	0.00	19.40
11.15	4.05	0.00	4.05	13.75	18.84	0.00	18.84
11.20	4.38	0.00	4.38	13.80	18.33	0.00	18.33
11.25	4.73	0.00	4.73	13.85	17.85	0.00	17.85
11.30	5.12	0.00	5.12	13.90	17.38	0.00	17.38
11.35	5.54	0.00	5.54	13.95	16.94	0.00	16.94
11.40	6.00	0.00	6.00	14.00	16.50	0.00	16.50
11.45	6.48	0.00	6.48	14.05	16.07	0.00	16.07
11.50	7.02	0.00	7.02	14.10	15.64	0.00	15.64
11.55	7.64	0.00	7.64	14.15	15.22	0.00	15.22
11.60	8.45	0.00	8.45	14.20	14.80	0.00	14.80
11.65	9.55	0.00	9.55	14.25	14.38	0.00	14.38
11.70	10.84	0.00	10.84	14.30	13.97	0.00	13.97
11.75	12.23	0.00	12.23	14.35	13.55	0.00	13.55
11.80	13.80	0.00	13.80	14.40	13.14	0.00	13.14
11.85	15.78	0.00	15.78	14.45	12.71	0.00	12.71
11.90	18.43	0.00	18.43	14.50	12.22	0.00	12.22
11.95	21.98	0.00	21.98	14.55	11.59	0.00	11.59
12.00	26.78	0.00	26.78	14.60	11.00	0.00	11.00
12.05	32.88	0.00	32.88	14.65	10.48	0.00	10.48
12.10	41.09	0.00	41.09	14.70	10.01	0.00	10.01
12.15	50.98	0.00	50.98	14.75	9.58	0.00	9.58
12.20	58.73	0.00	58.73	14.80	9.19	0.00	9.19
12.25	**60.68**	0.00	**60.68**	14.85	8.83	0.00	8.83
12.30	57.75	0.00	57.75	14.90	8.51	0.00	8.51
12.35	53.13	0.00	53.13	14.95	8.21	0.00	8.21
12.40	49.08	0.00	49.08	15.00	7.92	0.00	7.92
12.45	45.82	0.00	45.82	15.05	7.66	0.00	7.66
12.50	43.25	0.00	43.25	15.10	7.41	0.00	7.41
12.55	41.30	0.00	41.30	15.15	7.17	0.00	7.17
12.60	39.66	0.00	39.66	15.20	6.96	0.00	6.96
12.65	37.96	0.00	37.96	15.25	6.77	0.00	6.77
12.70	36.26	0.00	36.26	15.30	6.59	0.00	6.59
12.75	34.77	0.00	34.77	15.35	6.43	0.00	6.43
12.80	33.56	0.00	33.56	15.40	6.28	0.00	6.28
12.85	32.53	0.00	32.53	15.45	6.15	0.00	6.15
12.90	31.60	0.00	31.60	15.50	6.02	0.00	6.02
12.95	30.73	0.00	30.73	15.55	5.90	0.00	5.90

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	5.78	0.00	5.78	18.20	3.23	0.00	3.23
15.65	5.68	0.00	5.68	18.25	3.20	0.00	3.20
15.70	5.58	0.00	5.58	18.30	3.18	0.00	3.18
15.75	5.49	0.00	5.49	18.35	3.16	0.00	3.16
15.80	5.40	0.00	5.40	18.40	3.13	0.00	3.13
15.85	5.32	0.00	5.32	18.45	3.11	0.00	3.11
15.90	5.24	0.00	5.24	18.50	3.09	0.00	3.09
15.95	5.16	0.00	5.16	18.55	3.07	0.00	3.07
16.00	5.09	0.00	5.09	18.60	3.05	0.00	3.05
16.05	5.02	0.00	5.02	18.65	3.03	0.00	3.03
16.10	4.95	0.00	4.95	18.70	3.02	0.00	3.02
16.15	4.89	0.00	4.89	18.75	3.00	0.00	3.00
16.20	4.83	0.00	4.83	18.80	2.98	0.00	2.98
16.25	4.78	0.00	4.78	18.85	2.97	0.00	2.97
16.30	4.72	0.00	4.72	18.90	2.95	0.00	2.95
16.35	4.66	0.00	4.66	18.95	2.94	0.00	2.94
16.40	4.61	0.00	4.61	19.00	2.92	0.00	2.92
16.45	4.56	0.00	4.56	19.05	2.91	0.00	2.91
16.50	4.51	0.00	4.51	19.10	2.89	0.00	2.89
16.55	4.46	0.00	4.46	19.15	2.88	0.00	2.88
16.60	4.41	0.00	4.41	19.20	2.87	0.00	2.87
16.65	4.37	0.00	4.37	19.25	2.86	0.00	2.86
16.70	4.32	0.00	4.32	19.30	2.85	0.00	2.85
16.75	4.28	0.00	4.28	19.35	2.83	0.00	2.83
16.80	4.24	0.00	4.24	19.40	2.82	0.00	2.82
16.85	4.20	0.00	4.20	19.45	2.81	0.00	2.81
16.90	4.15	0.00	4.15	19.50	2.80	0.00	2.80
16.95	4.11	0.00	4.11	19.55	2.79	0.00	2.79
17.00	4.08	0.00	4.08	19.60	2.78	0.00	2.78
17.05	4.04	0.00	4.04	19.65	2.77	0.00	2.77
17.10	4.00	0.00	4.00	19.70	2.76	0.00	2.76
17.15	3.96	0.00	3.96	19.75	2.75	0.00	2.75
17.20	3.92	0.00	3.92	19.80	2.74	0.00	2.74
17.25	3.88	0.00	3.88	19.85	2.73	0.00	2.73
17.30	3.85	0.00	3.85	19.90	2.72	0.00	2.72
17.35	3.81	0.00	3.81	19.95	2.72	0.00	2.72
17.40	3.77	0.00	3.77	20.00	2.71	0.00	2.71
17.45	3.73	0.00	3.73	20.05	2.70	0.00	2.70
17.50	3.70	0.00	3.70	20.10	2.69	0.00	2.69
17.55	3.66	0.00	3.66	20.15	2.68	0.00	2.68
17.60	3.63	0.00	3.63	20.20	2.67	0.00	2.67
17.65	3.59	0.00	3.59	20.25	2.66	0.00	2.66
17.70	3.56	0.00	3.56	20.30	2.65	0.00	2.65
17.75	3.53	0.00	3.53	20.35	2.64	0.00	2.64
17.80	3.49	0.00	3.49	20.40	2.63	0.00	2.63
17.85	3.46	0.00	3.46	20.45	2.62	0.00	2.62
17.90	3.43	0.00	3.43	20.50	2.62	0.00	2.62
17.95	3.39	0.00	3.39	20.55	2.61	0.00	2.61
18.00	3.36	0.00	3.36	20.60	2.60	0.00	2.60
18.05	3.33	0.00	3.33	20.65	2.59	0.00	2.59
18.10	3.30	0.00	3.30	20.70	2.59	0.00	2.59
18.15	3.26	0.00	3.26	20.75	2.58	0.00	2.58

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	2.57	0.00	2.57	23.40	2.16	0.00	2.16
20.85	2.56	0.00	2.56	23.45	2.16	0.00	2.16
20.90	2.55	0.00	2.55	23.50	2.15	0.00	2.15
20.95	2.54	0.00	2.54	23.55	2.14	0.00	2.14
21.00	2.54	0.00	2.54	23.60	2.14	0.00	2.14
21.05	2.53	0.00	2.53	23.65	2.13	0.00	2.13
21.10	2.52	0.00	2.52	23.70	2.12	0.00	2.12
21.15	2.51	0.00	2.51	23.75	2.11	0.00	2.11
21.20	2.50	0.00	2.50	23.80	2.11	0.00	2.11
21.25	2.50	0.00	2.50	23.85	2.10	0.00	2.10
21.30	2.49	0.00	2.49	23.90	2.09	0.00	2.09
21.35	2.48	0.00	2.48	23.95	2.08	0.00	2.08
21.40	2.47	0.00	2.47	24.00	2.09	0.00	2.09
21.45	2.47	0.00	2.47	24.05	2.10	0.00	2.10
21.50	2.46	0.00	2.46	24.10	2.07	0.00	2.07
21.55	2.45	0.00	2.45	24.15	1.94	0.00	1.94
21.60	2.44	0.00	2.44	24.20	1.75	0.00	1.75
21.65	2.43	0.00	2.43	24.25	1.58	0.00	1.58
21.70	2.43	0.00	2.43	24.30	1.46	0.00	1.46
21.75	2.42	0.00	2.42	24.35	1.38	0.00	1.38
21.80	2.41	0.00	2.41	24.40	1.32	0.00	1.32
21.85	2.40	0.00	2.40	24.45	1.27	0.00	1.27
21.90	2.40	0.00	2.40	24.50	1.23	0.00	1.23
21.95	2.39	0.00	2.39	24.55	1.20	0.00	1.20
22.00	2.38	0.00	2.38	24.60	1.17	0.00	1.17
22.05	2.37	0.00	2.37	24.65	1.14	0.00	1.14
22.10	2.36	0.00	2.36	24.70	1.11	0.00	1.11
22.15	2.36	0.00	2.36	24.75	1.09	0.00	1.09
22.20	2.35	0.00	2.35	24.80	1.06	0.00	1.06
22.25	2.34	0.00	2.34	24.85	1.04	0.00	1.04
22.30	2.33	0.00	2.33	24.90	1.02	0.00	1.02
22.35	2.33	0.00	2.33	24.95	1.00	0.00	1.00
22.40	2.32	0.00	2.32	25.00	0.98	0.00	0.98
22.45	2.31	0.00	2.31	25.05	0.96	0.00	0.96
22.50	2.30	0.00	2.30	25.10	0.94	0.00	0.94
22.55	2.29	0.00	2.29	25.15	0.92	0.00	0.92
22.60	2.29	0.00	2.29	25.20	0.91	0.00	0.91
22.65	2.28	0.00	2.28	25.25	0.89	0.00	0.89
22.70	2.27	0.00	2.27	25.30	0.87	0.00	0.87
22.75	2.27	0.00	2.27	25.35	0.85	0.00	0.85
22.80	2.26	0.00	2.26	25.40	0.84	0.00	0.84
22.85	2.25	0.00	2.25	25.45	0.82	0.00	0.82
22.90	2.24	0.00	2.24	25.50	0.81	0.00	0.81
22.95	2.23	0.00	2.23	25.55	0.79	0.00	0.79
23.00	2.22	0.00	2.22	25.60	0.78	0.00	0.78
23.05	2.22	0.00	2.22	25.65	0.76	0.00	0.76
23.10	2.21	0.00	2.21	25.70	0.75	0.00	0.75
23.15	2.20	0.00	2.20	25.75	0.74	0.00	0.74
23.20	2.20	0.00	2.20	25.80	0.73	0.00	0.73
23.25	2.19	0.00	2.19	25.85	0.72	0.00	0.72
23.30	2.18	0.00	2.18	25.90	0.71	0.00	0.71
23.35	2.17	0.00	2.17	25.95	0.70	0.00	0.70

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.69	0.00	0.69	28.60	0.40	0.00	0.40
26.05	0.68	0.00	0.68	28.65	0.40	0.00	0.40
26.10	0.67	0.00	0.67	28.70	0.39	0.00	0.39
26.15	0.66	0.00	0.66	28.75	0.39	0.00	0.39
26.20	0.65	0.00	0.65	28.80	0.39	0.00	0.39
26.25	0.64	0.00	0.64	28.85	0.38	0.00	0.38
26.30	0.63	0.00	0.63	28.90	0.38	0.00	0.38
26.35	0.63	0.00	0.63	28.95	0.38	0.00	0.38
26.40	0.62	0.00	0.62	29.00	0.37	0.00	0.37
26.45	0.61	0.00	0.61	29.05	0.37	0.00	0.37
26.50	0.60	0.00	0.60	29.10	0.37	0.00	0.37
26.55	0.59	0.00	0.59	29.15	0.36	0.00	0.36
26.60	0.59	0.00	0.59	29.20	0.36	0.00	0.36
26.65	0.58	0.00	0.58	29.25	0.36	0.00	0.36
26.70	0.57	0.00	0.57	29.30	0.36	0.00	0.36
26.75	0.57	0.00	0.57	29.35	0.35	0.00	0.35
26.80	0.56	0.00	0.56	29.40	0.35	0.00	0.35
26.85	0.55	0.00	0.55	29.45	0.35	0.00	0.35
26.90	0.55	0.00	0.55	29.50	0.34	0.00	0.34
26.95	0.54	0.00	0.54	29.55	0.34	0.00	0.34
27.00	0.53	0.00	0.53	29.60	0.34	0.00	0.34
27.05	0.53	0.00	0.53	29.65	0.34	0.00	0.34
27.10	0.52	0.00	0.52	29.70	0.33	0.00	0.33
27.15	0.52	0.00	0.52	29.75	0.33	0.00	0.33
27.20	0.51	0.00	0.51	29.80	0.33	0.00	0.33
27.25	0.51	0.00	0.51	29.85	0.32	0.00	0.32
27.30	0.50	0.00	0.50	29.90	0.32	0.00	0.32
27.35	0.50	0.00	0.50	29.95	0.32	0.00	0.32
27.40	0.49	0.00	0.49	30.00	0.32	0.00	0.32
27.45	0.49	0.00	0.49	30.05	0.31	0.00	0.31
27.50	0.48	0.00	0.48	30.10	0.31	0.00	0.31
27.55	0.48	0.00	0.48	30.15	0.31	0.00	0.31
27.60	0.47	0.00	0.47	30.20	0.31	0.00	0.31
27.65	0.47	0.00	0.47	30.25	0.30	0.00	0.30
27.70	0.46	0.00	0.46	30.30	0.30	0.00	0.30
27.75	0.46	0.00	0.46	30.35	0.30	0.00	0.30
27.80	0.46	0.00	0.46	30.40	0.30	0.00	0.30
27.85	0.45	0.00	0.45	30.45	0.29	0.00	0.29
27.90	0.45	0.00	0.45	30.50	0.29	0.00	0.29
27.95	0.45	0.00	0.45	30.55	0.29	0.00	0.29
28.00	0.44	0.00	0.44	30.60	0.29	0.00	0.29
28.05	0.44	0.00	0.44	30.65	0.28	0.00	0.28
28.10	0.43	0.00	0.43	30.70	0.28	0.00	0.28
28.15	0.43	0.00	0.43	30.75	0.28	0.00	0.28
28.20	0.43	0.00	0.43	30.80	0.28	0.00	0.28
28.25	0.42	0.00	0.42	30.85	0.28	0.00	0.28
28.30	0.42	0.00	0.42	30.90	0.27	0.00	0.27
28.35	0.42	0.00	0.42	30.95	0.27	0.00	0.27
28.40	0.41	0.00	0.41	31.00	0.27	0.00	0.27
28.45	0.41	0.00	0.41	31.05	0.27	0.00	0.27
28.50	0.41	0.00	0.41	31.10	0.27	0.00	0.27
28.55	0.40	0.00	0.40	31.15	0.26	0.00	0.26

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.26	0.00	0.26	33.80	0.20	0.00	0.20
31.25	0.26	0.00	0.26	33.85	0.20	0.00	0.20
31.30	0.26	0.00	0.26	33.90	0.20	0.00	0.20
31.35	0.26	0.00	0.26	33.95	0.20	0.00	0.20
31.40	0.26	0.00	0.26	34.00	0.20	0.00	0.20
31.45	0.26	0.00	0.26	34.05	0.20	0.00	0.20
31.50	0.25	0.00	0.25	34.10	0.20	0.00	0.20
31.55	0.25	0.00	0.25	34.15	0.20	0.00	0.20
31.60	0.25	0.00	0.25	34.20	0.19	0.00	0.19
31.65	0.25	0.00	0.25	34.25	0.19	0.00	0.19
31.70	0.25	0.00	0.25	34.30	0.19	0.00	0.19
31.75	0.25	0.00	0.25	34.35	0.19	0.00	0.19
31.80	0.25	0.00	0.25	34.40	0.19	0.00	0.19
31.85	0.24	0.00	0.24	34.45	0.19	0.00	0.19
31.90	0.24	0.00	0.24	34.50	0.19	0.00	0.19
31.95	0.24	0.00	0.24	34.55	0.19	0.00	0.19
32.00	0.24	0.00	0.24	34.60	0.19	0.00	0.19
32.05	0.24	0.00	0.24	34.65	0.19	0.00	0.19
32.10	0.24	0.00	0.24	34.70	0.19	0.00	0.19
32.15	0.24	0.00	0.24	34.75	0.19	0.00	0.19
32.20	0.23	0.00	0.23	34.80	0.19	0.00	0.19
32.25	0.23	0.00	0.23	34.85	0.18	0.00	0.18
32.30	0.23	0.00	0.23	34.90	0.18	0.00	0.18
32.35	0.23	0.00	0.23	34.95	0.18	0.00	0.18
32.40	0.23	0.00	0.23	35.00	0.18	0.00	0.18
32.45	0.23	0.00	0.23	35.05	0.18	0.00	0.18
32.50	0.23	0.00	0.23	35.10	0.18	0.00	0.18
32.55	0.23	0.00	0.23	35.15	0.18	0.00	0.18
32.60	0.23	0.00	0.23	35.20	0.18	0.00	0.18
32.65	0.22	0.00	0.22	35.25	0.18	0.00	0.18
32.70	0.22	0.00	0.22	35.30	0.18	0.00	0.18
32.75	0.22	0.00	0.22	35.35	0.18	0.00	0.18
32.80	0.22	0.00	0.22	35.40	0.18	0.00	0.18
32.85	0.22	0.00	0.22	35.45	0.18	0.00	0.18
32.90	0.22	0.00	0.22	35.50	0.17	0.00	0.17
32.95	0.22	0.00	0.22	35.55	0.17	0.00	0.17
33.00	0.22	0.00	0.22	35.60	0.17	0.00	0.17
33.05	0.22	0.00	0.22	35.65	0.17	0.00	0.17
33.10	0.22	0.00	0.22	35.70	0.17	0.00	0.17
33.15	0.21	0.00	0.21	35.75	0.17	0.00	0.17
33.20	0.21	0.00	0.21	35.80	0.17	0.00	0.17
33.25	0.21	0.00	0.21	35.85	0.17	0.00	0.17
33.30	0.21	0.00	0.21	35.90	0.17	0.00	0.17
33.35	0.21	0.00	0.21	35.95	0.17	0.00	0.17
33.40	0.21	0.00	0.21	36.00	0.17	0.00	0.17
33.45	0.21	0.00	0.21	36.05	0.17	0.00	0.17
33.50	0.21	0.00	0.21	36.10	0.17	0.00	0.17
33.55	0.21	0.00	0.21	36.15	0.17	0.00	0.17
33.60	0.21	0.00	0.21	36.20	0.16	0.00	0.16
33.65	0.20	0.00	0.20	36.25	0.16	0.00	0.16
33.70	0.20	0.00	0.20	36.30	0.16	0.00	0.16
33.75	0.20	0.00	0.20	36.35	0.16	0.00	0.16

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.16	0.00	0.16
36.45	0.16	0.00	0.16
36.50	0.16	0.00	0.16
36.55	0.16	0.00	0.16
36.60	0.16	0.00	0.16
36.65	0.16	0.00	0.16
36.70	0.16	0.00	0.16
36.75	0.16	0.00	0.16
36.80	0.16	0.00	0.16
36.85	0.16	0.00	0.16
36.90	0.16	0.00	0.16
36.95	0.15	0.00	0.15
37.00	0.15	0.00	0.15
37.05	0.15	0.00	0.15
37.10	0.15	0.00	0.15
37.15	0.15	0.00	0.15
37.20	0.15	0.00	0.15
37.25	0.15	0.00	0.15
37.30	0.15	0.00	0.15
37.35	0.15	0.00	0.15
37.40	0.15	0.00	0.15
37.45	0.15	0.00	0.15
37.50	0.15	0.00	0.15
37.55	0.15	0.00	0.15
37.60	0.15	0.00	0.15
37.65	0.15	0.00	0.15
37.70	0.15	0.00	0.15
37.75	0.14	0.00	0.14
37.80	0.14	0.00	0.14
37.85	0.14	0.00	0.14
37.90	0.14	0.00	0.14
37.95	0.14	0.00	0.14
38.00	0.14	0.00	0.14
38.05	0.14	0.00	0.14
38.10	0.14	0.00	0.14
38.15	0.14	0.00	0.14
38.20	0.14	0.00	0.14
38.25	0.14	0.00	0.14
38.30	0.14	0.00	0.14
38.35	0.14	0.00	0.14
38.40	0.14	0.00	0.14
38.45	0.14	0.00	0.14
38.50	0.14	0.00	0.14
38.55	0.14	0.00	0.14
38.60	0.14	0.00	0.14
38.65	0.13	0.00	0.13
38.70	0.13	0.00	0.13
38.75	0.13	0.00	0.13
38.80	0.13	0.00	0.13
38.85	0.13	0.00	0.13
38.90	0.13	0.00	0.13
38.95	0.13	0.00	0.13
39.00	0.13	0.00	0.13
39.05	0.13	0.00	0.13
39.10	0.13	0.00	0.13
39.15	0.13	0.00	0.13
39.20	0.13	0.00	0.13
39.25	0.13	0.00	0.13
39.30	0.13	0.00	0.13
39.35	0.13	0.00	0.13
39.40	0.13	0.00	0.13
39.45	0.13	0.00	0.13
39.50	0.13	0.00	0.13
39.55	0.12	0.00	0.12
39.60	0.12	0.00	0.12
39.65	0.12	0.00	0.12
39.70	0.12	0.00	0.12
39.75	0.12	0.00	0.12
39.80	0.12	0.00	0.12
39.85	0.12	0.00	0.12
39.90	0.12	0.00	0.12
39.95	0.12	0.00	0.12
40.00	0.12	0.00	0.12

Summary for Subcatchment 3S: PDA-6 (offsite pervious)

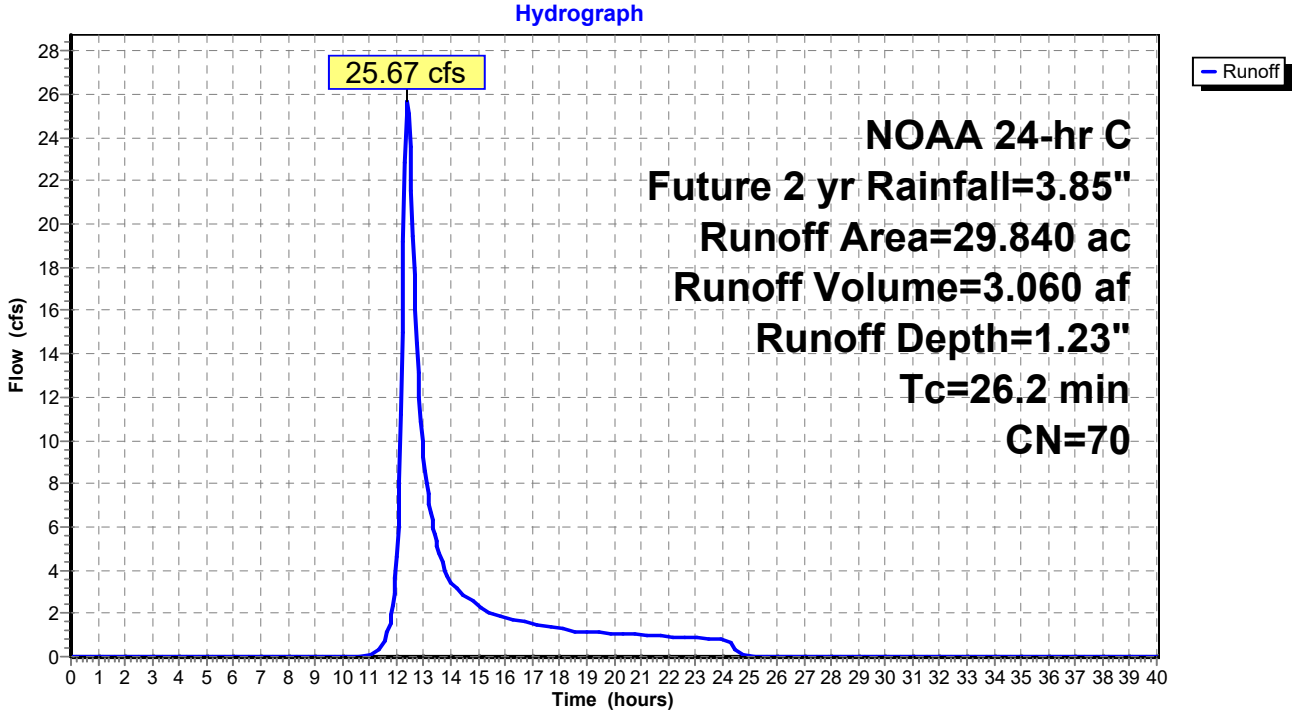
Runoff = 25.67 cfs @ 12.40 hrs, Volume= 3.060 af, Depth= 1.23"
Routed to Link PDA-6OF : Proposed Offsite Drainage Area #6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
13.160	71	Row crops, C&T, Good, HSG B
3.420	78	Row crops, C&T, Good, HSG C
4.100	55	Woods, Good, HSG B
6.460	70	Woods, Good, HSG C
2.700	77	Woods, Good, HSG D
29.840	70	Weighted Average
29.840		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
26.2					**Direct Entry,**

Subcatchment 3S: PDA-6 (offsite pervious)



Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.00
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.00

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.00	13.00	2.93	0.67	9.21
10.45	0.78	0.00	0.00	13.05	2.94	0.68	8.56
10.50	0.79	0.00	0.00	13.10	2.96	0.69	8.01
10.55	0.80	0.00	0.00	13.15	2.97	0.70	7.51
10.60	0.82	0.00	0.00	13.20	2.98	0.71	7.06
10.65	0.83	0.00	0.00	13.25	3.00	0.71	6.66
10.70	0.84	0.00	0.00	13.30	3.01	0.72	6.29
10.75	0.85	0.00	0.00	13.35	3.02	0.73	5.95
10.80	0.87	0.00	0.00	13.40	3.03	0.73	5.64
10.85	0.88	0.00	0.00	13.45	3.05	0.74	5.36
10.90	0.89	0.00	0.00	13.50	3.06	0.75	5.10
10.95	0.91	0.00	0.00	13.55	3.07	0.75	4.87
11.00	0.92	0.00	0.01	13.60	3.08	0.76	4.65
11.05	0.94	0.00	0.02	13.65	3.09	0.76	4.45
11.10	0.96	0.00	0.04	13.70	3.09	0.77	4.26
11.15	0.98	0.00	0.07	13.75	3.10	0.77	4.08
11.20	1.00	0.00	0.11	13.80	3.11	0.78	3.91
11.25	1.02	0.01	0.16	13.85	3.12	0.78	3.76
11.30	1.04	0.01	0.22	13.90	3.13	0.79	3.63
11.35	1.06	0.01	0.30	13.95	3.14	0.79	3.52
11.40	1.09	0.01	0.38	14.00	3.15	0.80	3.42
11.45	1.11	0.01	0.48	14.05	3.16	0.80	3.34
11.50	1.14	0.02	0.59	14.10	3.16	0.81	3.27
11.55	1.18	0.02	0.72	14.15	3.17	0.81	3.20
11.60	1.22	0.03	0.87	14.20	3.18	0.82	3.14
11.65	1.26	0.03	1.05	14.25	3.19	0.82	3.09
11.70	1.30	0.04	1.28	14.30	3.20	0.83	3.03
11.75	1.35	0.05	1.57	14.35	3.20	0.83	2.98
11.80	1.41	0.06	1.92	14.40	3.21	0.83	2.93
11.85	1.49	0.08	2.36	14.45	3.22	0.84	2.89
11.90	1.57	0.10	2.91	14.50	3.23	0.84	2.84
11.95	1.70	0.14	3.63	14.55	3.23	0.85	2.79
12.00	1.83	0.18	4.63	14.60	3.24	0.85	2.74
12.05	2.06	0.26	6.03	14.65	3.25	0.85	2.70
12.10	2.28	0.36	8.13	14.70	3.25	0.86	2.65
12.15	2.36	0.39	11.14	14.75	3.26	0.86	2.60
12.20	2.44	0.43	15.00	14.80	3.26	0.87	2.56
12.25	2.50	0.45	19.18	14.85	3.27	0.87	2.51
12.30	2.55	0.48	22.82	14.90	3.28	0.87	2.46
12.35	2.59	0.50	25.02	14.95	3.28	0.88	2.41
12.40	2.63	0.52	**25.67**	15.00	3.29	0.88	2.37
12.45	2.67	0.54	25.08	15.05	3.29	0.88	2.32
12.50	2.71	0.56	23.55	15.10	3.30	0.89	2.27
12.55	2.74	0.57	21.52	15.15	3.30	0.89	2.22
12.60	2.76	0.59	19.45	15.20	3.31	0.89	2.18
12.65	2.79	0.60	17.65	15.25	3.31	0.90	2.13
12.70	2.81	0.61	16.03	15.30	3.32	0.90	2.09
12.75	2.83	0.62	14.53	15.35	3.32	0.90	2.05
12.80	2.85	0.63	13.16	15.40	3.33	0.90	2.01
12.85	2.87	0.64	11.95	15.45	3.34	0.91	1.98
12.90	2.89	0.65	10.89	15.50	3.34	0.91	1.96
12.95	2.91	0.66	9.98	15.55	3.35	0.91	1.94

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	0.92	1.92	18.20	3.56	1.04	1.23
15.65	3.36	0.92	1.90	18.25	3.56	1.05	1.22
15.70	3.36	0.92	1.88	18.30	3.56	1.05	1.21
15.75	3.36	0.93	1.87	18.35	3.57	1.05	1.20
15.80	3.37	0.93	1.85	18.40	3.57	1.05	1.19
15.85	3.37	0.93	1.84	18.45	3.57	1.05	1.18
15.90	3.38	0.93	1.83	18.50	3.58	1.06	1.17
15.95	3.38	0.94	1.81	18.55	3.58	1.06	1.16
16.00	3.39	0.94	1.80	18.60	3.58	1.06	1.16
16.05	3.39	0.94	1.79	18.65	3.58	1.06	1.15
16.10	3.40	0.95	1.77	18.70	3.59	1.06	1.15
16.15	3.40	0.95	1.76	18.75	3.59	1.06	1.15
16.20	3.41	0.95	1.75	18.80	3.59	1.07	1.14
16.25	3.41	0.95	1.74	18.85	3.60	1.07	1.14
16.30	3.42	0.96	1.72	18.90	3.60	1.07	1.14
16.35	3.42	0.96	1.71	18.95	3.60	1.07	1.13
16.40	3.42	0.96	1.70	19.00	3.61	1.07	1.13
16.45	3.43	0.96	1.69	19.05	3.61	1.08	1.13
16.50	3.43	0.97	1.68	19.10	3.61	1.08	1.12
16.55	3.44	0.97	1.66	19.15	3.61	1.08	1.12
16.60	3.44	0.97	1.65	19.20	3.62	1.08	1.12
16.65	3.45	0.98	1.64	19.25	3.62	1.08	1.11
16.70	3.45	0.98	1.62	19.30	3.62	1.08	1.11
16.75	3.45	0.98	1.61	19.35	3.63	1.09	1.11
16.80	3.46	0.98	1.60	19.40	3.63	1.09	1.10
16.85	3.46	0.99	1.59	19.45	3.63	1.09	1.10
16.90	3.47	0.99	1.57	19.50	3.63	1.09	1.10
16.95	3.47	0.99	1.56	19.55	3.64	1.09	1.09
17.00	3.47	0.99	1.55	19.60	3.64	1.10	1.09
17.05	3.48	0.99	1.54	19.65	3.64	1.10	1.09
17.10	3.48	1.00	1.52	19.70	3.65	1.10	1.09
17.15	3.49	1.00	1.51	19.75	3.65	1.10	1.08
17.20	3.49	1.00	1.50	19.80	3.65	1.10	1.08
17.25	3.49	1.00	1.48	19.85	3.65	1.10	1.08
17.30	3.50	1.01	1.47	19.90	3.66	1.11	1.07
17.35	3.50	1.01	1.46	19.95	3.66	1.11	1.07
17.40	3.50	1.01	1.44	20.00	3.66	1.11	1.07
17.45	3.51	1.01	1.43	20.05	3.66	1.11	1.06
17.50	3.51	1.02	1.42	20.10	3.67	1.11	1.06
17.55	3.52	1.02	1.40	20.15	3.67	1.11	1.06
17.60	3.52	1.02	1.39	20.20	3.67	1.12	1.05
17.65	3.52	1.02	1.38	20.25	3.68	1.12	1.05
17.70	3.53	1.02	1.36	20.30	3.68	1.12	1.05
17.75	3.53	1.03	1.35	20.35	3.68	1.12	1.04
17.80	3.53	1.03	1.34	20.40	3.68	1.12	1.04
17.85	3.54	1.03	1.33	20.45	3.69	1.12	1.04
17.90	3.54	1.03	1.31	20.50	3.69	1.13	1.03
17.95	3.54	1.03	1.30	20.55	3.69	1.13	1.03
18.00	3.54	1.04	1.29	20.60	3.69	1.13	1.03
18.05	3.55	1.04	1.27	20.65	3.70	1.13	1.02
18.10	3.55	1.04	1.26	20.70	3.70	1.13	1.02
18.15	3.55	1.04	1.24	20.75	3.70	1.13	1.02

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	1.14	1.02	23.40	3.82	1.21	0.84
20.85	3.71	1.14	1.01	23.45	3.83	1.22	0.84
20.90	3.71	1.14	1.01	23.50	3.83	1.22	0.83
20.95	3.71	1.14	1.01	23.55	3.83	1.22	0.83
21.00	3.71	1.14	1.00	23.60	3.83	1.22	0.83
21.05	3.72	1.14	1.00	23.65	3.84	1.22	0.82
21.10	3.72	1.15	1.00	23.70	3.84	1.22	0.82
21.15	3.72	1.15	0.99	23.75	3.84	1.22	0.82
21.20	3.72	1.15	0.99	23.80	3.84	1.22	0.81
21.25	3.73	1.15	0.99	23.85	3.84	1.23	0.81
21.30	3.73	1.15	0.98	23.90	3.85	1.23	0.81
21.35	3.73	1.15	0.98	23.95	3.85	1.23	0.80
21.40	3.73	1.16	0.98	24.00	**3.85**	**1.23**	0.80
21.45	3.74	1.16	0.97	24.05	3.85	1.23	0.80
21.50	3.74	1.16	0.97	24.10	3.85	1.23	0.80
21.55	3.74	1.16	0.97	24.15	3.85	1.23	0.79
21.60	3.74	1.16	0.96	24.20	3.85	1.23	0.75
21.65	3.75	1.16	0.96	24.25	3.85	1.23	0.67
21.70	3.75	1.16	0.96	24.30	3.85	1.23	0.58
21.75	3.75	1.17	0.95	24.35	3.85	1.23	0.47
21.80	3.75	1.17	0.95	24.40	3.85	1.23	0.37
21.85	3.76	1.17	0.95	24.45	3.85	1.23	0.28
21.90	3.76	1.17	0.94	24.50	3.85	1.23	0.21
21.95	3.76	1.17	0.94	24.55	3.85	1.23	0.16
22.00	3.76	1.17	0.94	24.60	3.85	1.23	0.12
22.05	3.77	1.18	0.93	24.65	3.85	1.23	0.09
22.10	3.77	1.18	0.93	24.70	3.85	1.23	0.07
22.15	3.77	1.18	0.93	24.75	3.85	1.23	0.05
22.20	3.77	1.18	0.92	24.80	3.85	1.23	0.04
22.25	3.77	1.18	0.92	24.85	3.85	1.23	0.03
22.30	3.78	1.18	0.92	24.90	3.85	1.23	0.02
22.35	3.78	1.18	0.91	24.95	3.85	1.23	0.02
22.40	3.78	1.19	0.91	25.00	3.85	1.23	0.01
22.45	3.78	1.19	0.91	25.05	3.85	1.23	0.01
22.50	3.79	1.19	0.90	25.10	3.85	1.23	0.01
22.55	3.79	1.19	0.90	25.15	3.85	1.23	0.00
22.60	3.79	1.19	0.90	25.20	3.85	1.23	0.00
22.65	3.79	1.19	0.89	25.25	3.85	1.23	0.00
22.70	3.79	1.19	0.89	25.30	3.85	1.23	0.00
22.75	3.80	1.20	0.89	25.35	3.85	1.23	0.00
22.80	3.80	1.20	0.88	25.40	3.85	1.23	0.00
22.85	3.80	1.20	0.88	25.45	3.85	1.23	0.00
22.90	3.80	1.20	0.88	25.50	3.85	1.23	0.00
22.95	3.81	1.20	0.87	25.55	3.85	1.23	0.00
23.00	3.81	1.20	0.87	25.60	3.85	1.23	0.00
23.05	3.81	1.20	0.86	25.65	3.85	1.23	0.00
23.10	3.81	1.21	0.86	25.70	3.85	1.23	0.00
23.15	3.81	1.21	0.86	25.75	3.85	1.23	0.00
23.20	3.82	1.21	0.86	25.80	3.85	1.23	0.00
23.25	3.82	1.21	0.85	25.85	3.85	1.23	0.00
23.30	3.82	1.21	0.85	25.90	3.85	1.23	0.00
23.35	3.82	1.21	0.84	25.95	3.85	1.23	0.00

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.23	0.00	28.60	3.85	1.23	0.00
26.05	3.85	1.23	0.00	28.65	3.85	1.23	0.00
26.10	3.85	1.23	0.00	28.70	3.85	1.23	0.00
26.15	3.85	1.23	0.00	28.75	3.85	1.23	0.00
26.20	3.85	1.23	0.00	28.80	3.85	1.23	0.00
26.25	3.85	1.23	0.00	28.85	3.85	1.23	0.00
26.30	3.85	1.23	0.00	28.90	3.85	1.23	0.00
26.35	3.85	1.23	0.00	28.95	3.85	1.23	0.00
26.40	3.85	1.23	0.00	29.00	3.85	1.23	0.00
26.45	3.85	1.23	0.00	29.05	3.85	1.23	0.00
26.50	3.85	1.23	0.00	29.10	3.85	1.23	0.00
26.55	3.85	1.23	0.00	29.15	3.85	1.23	0.00
26.60	3.85	1.23	0.00	29.20	3.85	1.23	0.00
26.65	3.85	1.23	0.00	29.25	3.85	1.23	0.00
26.70	3.85	1.23	0.00	29.30	3.85	1.23	0.00
26.75	3.85	1.23	0.00	29.35	3.85	1.23	0.00
26.80	3.85	1.23	0.00	29.40	3.85	1.23	0.00
26.85	3.85	1.23	0.00	29.45	3.85	1.23	0.00
26.90	3.85	1.23	0.00	29.50	3.85	1.23	0.00
26.95	3.85	1.23	0.00	29.55	3.85	1.23	0.00
27.00	3.85	1.23	0.00	29.60	3.85	1.23	0.00
27.05	3.85	1.23	0.00	29.65	3.85	1.23	0.00
27.10	3.85	1.23	0.00	29.70	3.85	1.23	0.00
27.15	3.85	1.23	0.00	29.75	3.85	1.23	0.00
27.20	3.85	1.23	0.00	29.80	3.85	1.23	0.00
27.25	3.85	1.23	0.00	29.85	3.85	1.23	0.00
27.30	3.85	1.23	0.00	29.90	3.85	1.23	0.00
27.35	3.85	1.23	0.00	29.95	3.85	1.23	0.00
27.40	3.85	1.23	0.00	30.00	3.85	1.23	0.00
27.45	3.85	1.23	0.00	30.05	3.85	1.23	0.00
27.50	3.85	1.23	0.00	30.10	3.85	1.23	0.00
27.55	3.85	1.23	0.00	30.15	3.85	1.23	0.00
27.60	3.85	1.23	0.00	30.20	3.85	1.23	0.00
27.65	3.85	1.23	0.00	30.25	3.85	1.23	0.00
27.70	3.85	1.23	0.00	30.30	3.85	1.23	0.00
27.75	3.85	1.23	0.00	30.35	3.85	1.23	0.00
27.80	3.85	1.23	0.00	30.40	3.85	1.23	0.00
27.85	3.85	1.23	0.00	30.45	3.85	1.23	0.00
27.90	3.85	1.23	0.00	30.50	3.85	1.23	0.00
27.95	3.85	1.23	0.00	30.55	3.85	1.23	0.00
28.00	3.85	1.23	0.00	30.60	3.85	1.23	0.00
28.05	3.85	1.23	0.00	30.65	3.85	1.23	0.00
28.10	3.85	1.23	0.00	30.70	3.85	1.23	0.00
28.15	3.85	1.23	0.00	30.75	3.85	1.23	0.00
28.20	3.85	1.23	0.00	30.80	3.85	1.23	0.00
28.25	3.85	1.23	0.00	30.85	3.85	1.23	0.00
28.30	3.85	1.23	0.00	30.90	3.85	1.23	0.00
28.35	3.85	1.23	0.00	30.95	3.85	1.23	0.00
28.40	3.85	1.23	0.00	31.00	3.85	1.23	0.00
28.45	3.85	1.23	0.00	31.05	3.85	1.23	0.00
28.50	3.85	1.23	0.00	31.10	3.85	1.23	0.00
28.55	3.85	1.23	0.00	31.15	3.85	1.23	0.00

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.23	0.00	33.80	3.85	1.23	0.00
31.25	3.85	1.23	0.00	33.85	3.85	1.23	0.00
31.30	3.85	1.23	0.00	33.90	3.85	1.23	0.00
31.35	3.85	1.23	0.00	33.95	3.85	1.23	0.00
31.40	3.85	1.23	0.00	34.00	3.85	1.23	0.00
31.45	3.85	1.23	0.00	34.05	3.85	1.23	0.00
31.50	3.85	1.23	0.00	34.10	3.85	1.23	0.00
31.55	3.85	1.23	0.00	34.15	3.85	1.23	0.00
31.60	3.85	1.23	0.00	34.20	3.85	1.23	0.00
31.65	3.85	1.23	0.00	34.25	3.85	1.23	0.00
31.70	3.85	1.23	0.00	34.30	3.85	1.23	0.00
31.75	3.85	1.23	0.00	34.35	3.85	1.23	0.00
31.80	3.85	1.23	0.00	34.40	3.85	1.23	0.00
31.85	3.85	1.23	0.00	34.45	3.85	1.23	0.00
31.90	3.85	1.23	0.00	34.50	3.85	1.23	0.00
31.95	3.85	1.23	0.00	34.55	3.85	1.23	0.00
32.00	3.85	1.23	0.00	34.60	3.85	1.23	0.00
32.05	3.85	1.23	0.00	34.65	3.85	1.23	0.00
32.10	3.85	1.23	0.00	34.70	3.85	1.23	0.00
32.15	3.85	1.23	0.00	34.75	3.85	1.23	0.00
32.20	3.85	1.23	0.00	34.80	3.85	1.23	0.00
32.25	3.85	1.23	0.00	34.85	3.85	1.23	0.00
32.30	3.85	1.23	0.00	34.90	3.85	1.23	0.00
32.35	3.85	1.23	0.00	34.95	3.85	1.23	0.00
32.40	3.85	1.23	0.00	35.00	3.85	1.23	0.00
32.45	3.85	1.23	0.00	35.05	3.85	1.23	0.00
32.50	3.85	1.23	0.00	35.10	3.85	1.23	0.00
32.55	3.85	1.23	0.00	35.15	3.85	1.23	0.00
32.60	3.85	1.23	0.00	35.20	3.85	1.23	0.00
32.65	3.85	1.23	0.00	35.25	3.85	1.23	0.00
32.70	3.85	1.23	0.00	35.30	3.85	1.23	0.00
32.75	3.85	1.23	0.00	35.35	3.85	1.23	0.00
32.80	3.85	1.23	0.00	35.40	3.85	1.23	0.00
32.85	3.85	1.23	0.00	35.45	3.85	1.23	0.00
32.90	3.85	1.23	0.00	35.50	3.85	1.23	0.00
32.95	3.85	1.23	0.00	35.55	3.85	1.23	0.00
33.00	3.85	1.23	0.00	35.60	3.85	1.23	0.00
33.05	3.85	1.23	0.00	35.65	3.85	1.23	0.00
33.10	3.85	1.23	0.00	35.70	3.85	1.23	0.00
33.15	3.85	1.23	0.00	35.75	3.85	1.23	0.00
33.20	3.85	1.23	0.00	35.80	3.85	1.23	0.00
33.25	3.85	1.23	0.00	35.85	3.85	1.23	0.00
33.30	3.85	1.23	0.00	35.90	3.85	1.23	0.00
33.35	3.85	1.23	0.00	35.95	3.85	1.23	0.00
33.40	3.85	1.23	0.00	36.00	3.85	1.23	0.00
33.45	3.85	1.23	0.00	36.05	3.85	1.23	0.00
33.50	3.85	1.23	0.00	36.10	3.85	1.23	0.00
33.55	3.85	1.23	0.00	36.15	3.85	1.23	0.00
33.60	3.85	1.23	0.00	36.20	3.85	1.23	0.00
33.65	3.85	1.23	0.00	36.25	3.85	1.23	0.00
33.70	3.85	1.23	0.00	36.30	3.85	1.23	0.00
33.75	3.85	1.23	0.00	36.35	3.85	1.23	0.00

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.23	0.00
36.45	3.85	1.23	0.00
36.50	3.85	1.23	0.00
36.55	3.85	1.23	0.00
36.60	3.85	1.23	0.00
36.65	3.85	1.23	0.00
36.70	3.85	1.23	0.00
36.75	3.85	1.23	0.00
36.80	3.85	1.23	0.00
36.85	3.85	1.23	0.00
36.90	3.85	1.23	0.00
36.95	3.85	1.23	0.00
37.00	3.85	1.23	0.00
37.05	3.85	1.23	0.00
37.10	3.85	1.23	0.00
37.15	3.85	1.23	0.00
37.20	3.85	1.23	0.00
37.25	3.85	1.23	0.00
37.30	3.85	1.23	0.00
37.35	3.85	1.23	0.00
37.40	3.85	1.23	0.00
37.45	3.85	1.23	0.00
37.50	3.85	1.23	0.00
37.55	3.85	1.23	0.00
37.60	3.85	1.23	0.00
37.65	3.85	1.23	0.00
37.70	3.85	1.23	0.00
37.75	3.85	1.23	0.00
37.80	3.85	1.23	0.00
37.85	3.85	1.23	0.00
37.90	3.85	1.23	0.00
37.95	3.85	1.23	0.00
38.00	3.85	1.23	0.00
38.05	3.85	1.23	0.00
38.10	3.85	1.23	0.00
38.15	3.85	1.23	0.00
38.20	3.85	1.23	0.00
38.25	3.85	1.23	0.00
38.30	3.85	1.23	0.00
38.35	3.85	1.23	0.00
38.40	3.85	1.23	0.00
38.45	3.85	1.23	0.00
38.50	3.85	1.23	0.00
38.55	3.85	1.23	0.00
38.60	3.85	1.23	0.00
38.65	3.85	1.23	0.00
38.70	3.85	1.23	0.00
38.75	3.85	1.23	0.00
38.80	3.85	1.23	0.00
38.85	3.85	1.23	0.00
38.90	3.85	1.23	0.00
38.95	3.85	1.23	0.00
39.00	3.85	1.23	0.00
39.05	3.85	1.23	0.00
39.10	3.85	1.23	0.00
39.15	3.85	1.23	0.00
39.20	3.85	1.23	0.00
39.25	3.85	1.23	0.00
39.30	3.85	1.23	0.00
39.35	3.85	1.23	0.00
39.40	3.85	1.23	0.00
39.45	3.85	1.23	0.00
39.50	3.85	1.23	0.00
39.55	3.85	1.23	0.00
39.60	3.85	1.23	0.00
39.65	3.85	1.23	0.00
39.70	3.85	1.23	0.00
39.75	3.85	1.23	0.00
39.80	3.85	1.23	0.00
39.85	3.85	1.23	0.00
39.90	3.85	1.23	0.00
39.95	3.85	1.23	0.00
40.00	3.85	1.23	0.00

Summary for Subcatchment 4S: PDA-6 (offsite impervious)

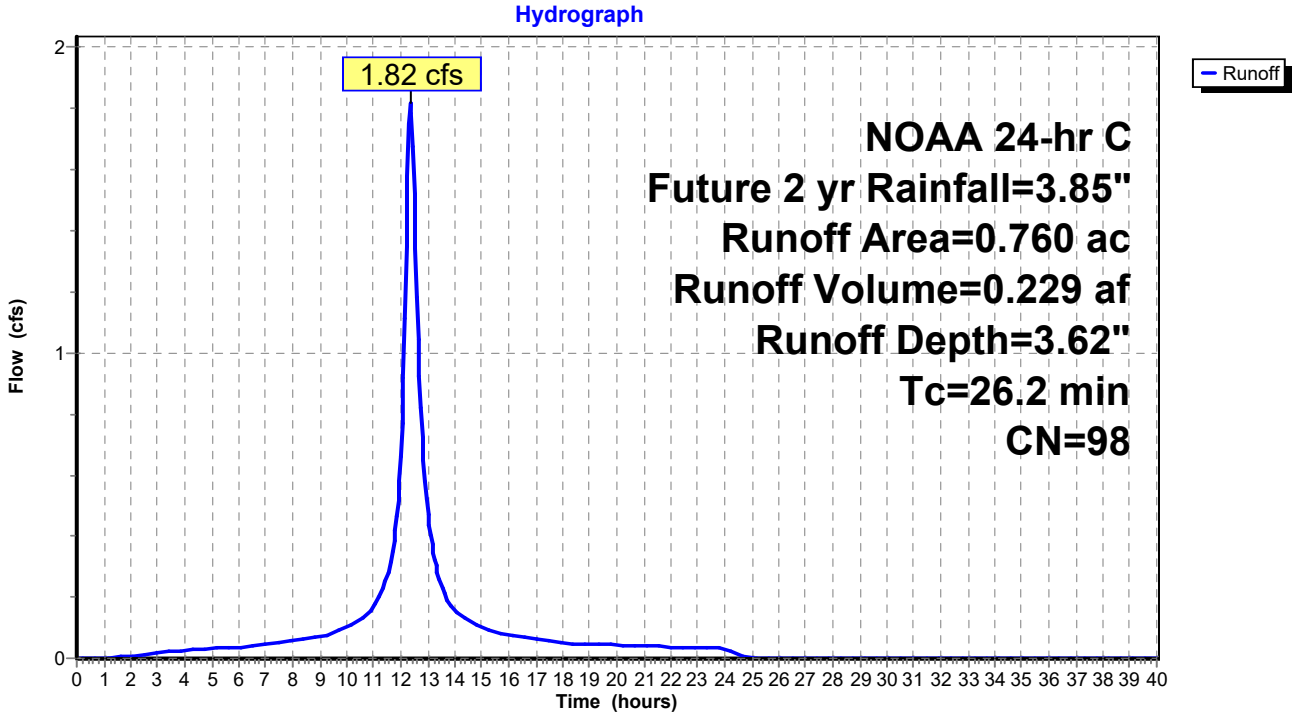
Runoff = 1.82 cfs @ 12.36 hrs, Volume= 0.229 af, Depth= 3.62"
Routed to Link PDA-6OF : Proposed Offsite Drainage Area #6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

	Area (ac)	CN	Description
*	0.760	98	
	0.760		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
26.2					**Direct Entry,**

Subcatchment 4S: PDA-6 (offsite impervious)



Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.02	0.01
0.05	0.00	0.00	0.00	2.65	0.12	0.02	0.01
0.10	0.00	0.00	0.00	2.70	0.12	0.02	0.01
0.15	0.01	0.00	0.00	2.75	0.12	0.02	0.02
0.20	0.01	0.00	0.00	2.80	0.13	0.02	0.02
0.25	0.01	0.00	0.00	2.85	0.13	0.03	0.02
0.30	0.01	0.00	0.00	2.90	0.13	0.03	0.02
0.35	0.01	0.00	0.00	2.95	0.13	0.03	0.02
0.40	0.02	0.00	0.00	3.00	0.14	0.03	0.02
0.45	0.02	0.00	0.00	3.05	0.14	0.03	0.02
0.50	0.02	0.00	0.00	3.10	0.14	0.03	0.02
0.55	0.02	0.00	0.00	3.15	0.14	0.03	0.02
0.60	0.03	0.00	0.00	3.20	0.15	0.04	0.02
0.65	0.03	0.00	0.00	3.25	0.15	0.04	0.02
0.70	0.03	0.00	0.00	3.30	0.15	0.04	0.02
0.75	0.03	0.00	0.00	3.35	0.15	0.04	0.02
0.80	0.03	0.00	0.00	3.40	0.16	0.04	0.02
0.85	0.04	0.00	0.00	3.45	0.16	0.04	0.02
0.90	0.04	0.00	0.00	3.50	0.16	0.04	0.02
0.95	0.04	0.00	0.00	3.55	0.16	0.05	0.02
1.00	0.04	0.00	0.00	3.60	0.17	0.05	0.02
1.05	0.04	0.00	0.00	3.65	0.17	0.05	0.02
1.10	0.05	0.00	0.00	3.70	0.17	0.05	0.02
1.15	0.05	0.00	0.00	3.75	0.17	0.05	0.02
1.20	0.05	0.00	0.00	3.80	0.18	0.05	0.02
1.25	0.05	0.00	0.00	3.85	0.18	0.06	0.02
1.30	0.06	0.00	0.00	3.90	0.18	0.06	0.02
1.35	0.06	0.00	0.00	3.95	0.19	0.06	0.02
1.40	0.06	0.00	0.00	4.00	0.19	0.06	0.03
1.45	0.06	0.00	0.00	4.05	0.19	0.06	0.03
1.50	0.06	0.00	0.00	4.10	0.19	0.07	0.03
1.55	0.07	0.00	0.00	4.15	0.20	0.07	0.03
1.60	0.07	0.00	0.00	4.20	0.20	0.07	0.03
1.65	0.07	0.00	0.00	4.25	0.20	0.07	0.03
1.70	0.07	0.00	0.00	4.30	0.20	0.07	0.03
1.75	0.08	0.01	0.00	4.35	0.21	0.08	0.03
1.80	0.08	0.01	0.01	4.40	0.21	0.08	0.03
1.85	0.08	0.01	0.01	4.45	0.21	0.08	0.03
1.90	0.08	0.01	0.01	4.50	0.22	0.08	0.03
1.95	0.08	0.01	0.01	4.55	0.22	0.08	0.03
2.00	0.09	0.01	0.01	4.60	0.22	0.09	0.03
2.05	0.09	0.01	0.01	4.65	0.22	0.09	0.03
2.10	0.09	0.01	0.01	4.70	0.23	0.09	0.03
2.15	0.09	0.01	0.01	4.75	0.23	0.09	0.03
2.20	0.10	0.01	0.01	4.80	0.23	0.09	0.03
2.25	0.10	0.01	0.01	4.85	0.24	0.10	0.03
2.30	0.10	0.01	0.01	4.90	0.24	0.10	0.03
2.35	0.10	0.01	0.01	4.95	0.24	0.10	0.03
2.40	0.11	0.02	0.01	5.00	0.24	0.10	0.03
2.45	0.11	0.02	0.01	5.05	0.25	0.10	0.03
2.50	0.11	0.02	0.01	5.10	0.25	0.11	0.03
2.55	0.11	0.02	0.01	5.15	0.25	0.11	0.03

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.11	0.03	7.80	0.44	0.27	0.06
5.25	0.26	0.11	0.03	7.85	0.45	0.27	0.06
5.30	0.26	0.12	0.03	7.90	0.45	0.27	0.06
5.35	0.27	0.12	0.03	7.95	0.46	0.28	0.06
5.40	0.27	0.12	0.03	8.00	0.46	0.28	0.06
5.45	0.27	0.12	0.03	8.05	0.47	0.29	0.06
5.50	0.27	0.12	0.03	8.10	0.47	0.29	0.06
5.55	0.28	0.13	0.03	8.15	0.48	0.30	0.06
5.60	0.28	0.13	0.03	8.20	0.48	0.30	0.06
5.65	0.28	0.13	0.03	8.25	0.49	0.30	0.06
5.70	0.29	0.13	0.04	8.30	0.49	0.31	0.06
5.75	0.29	0.14	0.04	8.35	0.49	0.31	0.06
5.80	0.29	0.14	0.04	8.40	0.50	0.32	0.06
5.85	0.30	0.14	0.04	8.45	0.50	0.32	0.06
5.90	0.30	0.14	0.04	8.50	0.51	0.33	0.07
5.95	0.30	0.15	0.04	8.55	0.51	0.33	0.07
6.00	0.31	0.15	0.04	8.60	0.52	0.34	0.07
6.05	0.31	0.15	0.04	8.65	0.53	0.34	0.07
6.10	0.31	0.15	0.04	8.70	0.53	0.35	0.07
6.15	0.31	0.16	0.04	8.75	0.54	0.35	0.07
6.20	0.32	0.16	0.04	8.80	0.54	0.36	0.07
6.25	0.32	0.16	0.04	8.85	0.55	0.36	0.07
6.30	0.32	0.17	0.04	8.90	0.55	0.36	0.07
6.35	0.33	0.17	0.04	8.95	0.56	0.37	0.07
6.40	0.33	0.17	0.04	9.00	0.56	0.37	0.07
6.45	0.33	0.17	0.04	9.05	0.57	0.38	0.07
6.50	0.34	0.18	0.04	9.10	0.57	0.39	0.07
6.55	0.34	0.18	0.04	9.15	0.58	0.39	0.07
6.60	0.35	0.18	0.04	9.20	0.59	0.40	0.07
6.65	0.35	0.19	0.04	9.25	0.59	0.40	0.08
6.70	0.35	0.19	0.04	9.30	0.60	0.41	0.08
6.75	0.36	0.19	0.04	9.35	0.60	0.41	0.08
6.80	0.36	0.19	0.04	9.40	0.61	0.42	0.08
6.85	0.36	0.20	0.04	9.45	0.62	0.43	0.08
6.90	0.37	0.20	0.05	9.50	0.62	0.43	0.08
6.95	0.37	0.20	0.05	9.55	0.63	0.44	0.09
7.00	0.38	0.21	0.05	9.60	0.64	0.45	0.09
7.05	0.38	0.21	0.05	9.65	0.65	0.45	0.09
7.10	0.38	0.21	0.05	9.70	0.65	0.46	0.09
7.15	0.39	0.22	0.05	9.75	0.66	0.47	0.09
7.20	0.39	0.22	0.05	9.80	0.67	0.47	0.10
7.25	0.40	0.23	0.05	9.85	0.68	0.48	0.10
7.30	0.40	0.23	0.05	9.90	0.69	0.49	0.10
7.35	0.40	0.23	0.05	9.95	0.69	0.50	0.10
7.40	0.41	0.24	0.05	10.00	0.70	0.51	0.10
7.45	0.41	0.24	0.05	10.05	0.71	0.51	0.11
7.50	0.42	0.24	0.05	10.10	0.72	0.52	0.11
7.55	0.42	0.25	0.05	10.15	0.73	0.53	0.11
7.60	0.43	0.25	0.05	10.20	0.74	0.54	0.11
7.65	0.43	0.25	0.05	10.25	0.75	0.55	0.12
7.70	0.43	0.26	0.05	10.30	0.76	0.56	0.12
7.75	0.44	0.26	0.06	10.35	0.76	0.56	0.12

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.57	0.12	13.00	2.93	2.69	0.47
10.45	0.78	0.58	0.12	13.05	2.94	2.71	0.43
10.50	0.79	0.59	0.13	13.10	2.96	2.73	0.40
10.55	0.80	0.60	0.13	13.15	2.97	2.74	0.37
10.60	0.82	0.61	0.13	13.20	2.98	2.75	0.35
10.65	0.83	0.62	0.13	13.25	3.00	2.77	0.32
10.70	0.84	0.64	0.14	13.30	3.01	2.78	0.30
10.75	0.85	0.65	0.14	13.35	3.02	2.79	0.28
10.80	0.87	0.66	0.15	13.40	3.03	2.80	0.27
10.85	0.88	0.67	0.15	13.45	3.05	2.81	0.25
10.90	0.89	0.69	0.16	13.50	3.06	2.82	0.24
10.95	0.91	0.70	0.16	13.55	3.07	2.83	0.23
11.00	0.92	0.72	0.17	13.60	3.08	2.84	0.21
11.05	0.94	0.73	0.18	13.65	3.09	2.85	0.20
11.10	0.96	0.75	0.19	13.70	3.09	2.86	0.19
11.15	0.98	0.77	0.19	13.75	3.10	2.87	0.19
11.20	1.00	0.79	0.20	13.80	3.11	2.88	0.18
11.25	1.02	0.81	0.21	13.85	3.12	2.89	0.17
11.30	1.04	0.83	0.22	13.90	3.13	2.90	0.16
11.35	1.06	0.85	0.24	13.95	3.14	2.91	0.16
11.40	1.09	0.88	0.25	14.00	3.15	2.92	0.15
11.45	1.11	0.90	0.26	14.05	3.16	2.92	0.15
11.50	1.14	0.92	0.28	14.10	3.16	2.93	0.15
11.55	1.18	0.96	0.29	14.15	3.17	2.94	0.14
11.60	1.22	1.00	0.31	14.20	3.18	2.95	0.14
11.65	1.26	1.04	0.33	14.25	3.19	2.96	0.14
11.70	1.30	1.08	0.35	14.30	3.20	2.96	0.13
11.75	1.35	1.14	0.38	14.35	3.20	2.97	0.13
11.80	1.41	1.19	0.42	14.40	3.21	2.98	0.13
11.85	1.49	1.27	0.46	14.45	3.22	2.99	0.13
11.90	1.57	1.34	0.52	14.50	3.23	2.99	0.12
11.95	1.70	1.48	0.58	14.55	3.23	3.00	0.12
12.00	1.83	1.61	0.66	14.60	3.24	3.01	0.12
12.05	2.06	1.83	0.77	14.65	3.25	3.01	0.12
12.10	2.28	2.06	0.92	14.70	3.25	3.02	0.12
12.15	2.36	2.13	1.12	14.75	3.26	3.03	0.11
12.20	2.44	2.21	1.35	14.80	3.26	3.03	0.11
12.25	2.50	2.27	1.58	14.85	3.27	3.04	0.11
12.30	2.55	2.32	1.75	14.90	3.28	3.04	0.11
12.35	2.59	2.36	**1.82**	14.95	3.28	3.05	0.10
12.40	2.63	2.40	1.78	15.00	3.29	3.05	0.10
12.45	2.67	2.44	1.67	15.05	3.29	3.06	0.10
12.50	2.71	2.48	1.52	15.10	3.30	3.07	0.10
12.55	2.74	2.51	1.34	15.15	3.30	3.07	0.10
12.60	2.76	2.53	1.18	15.20	3.31	3.08	0.09
12.65	2.79	2.56	1.04	15.25	3.31	3.08	0.09
12.70	2.81	2.58	0.92	15.30	3.32	3.09	0.09
12.75	2.83	2.60	0.82	15.35	3.32	3.09	0.09
12.80	2.85	2.62	0.72	15.40	3.33	3.10	0.09
12.85	2.87	2.64	0.65	15.45	3.34	3.10	0.08
12.90	2.89	2.66	0.58	15.50	3.34	3.11	0.08
12.95	2.91	2.68	0.52	15.55	3.35	3.11	0.08

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	3.12	0.08	18.20	3.56	3.32	0.05
15.65	3.36	3.12	0.08	18.25	3.56	3.33	0.05
15.70	3.36	3.13	0.08	18.30	3.56	3.33	0.05
15.75	3.36	3.13	0.08	18.35	3.57	3.33	0.05
15.80	3.37	3.14	0.08	18.40	3.57	3.34	0.05
15.85	3.37	3.14	0.08	18.45	3.57	3.34	0.05
15.90	3.38	3.15	0.08	18.50	3.58	3.34	0.05
15.95	3.38	3.15	0.08	18.55	3.58	3.34	0.05
16.00	3.39	3.16	0.08	18.60	3.58	3.35	0.05
16.05	3.39	3.16	0.08	18.65	3.58	3.35	0.05
16.10	3.40	3.16	0.07	18.70	3.59	3.35	0.05
16.15	3.40	3.17	0.07	18.75	3.59	3.36	0.05
16.20	3.41	3.17	0.07	18.80	3.59	3.36	0.05
16.25	3.41	3.18	0.07	18.85	3.60	3.36	0.05
16.30	3.42	3.18	0.07	18.90	3.60	3.37	0.05
16.35	3.42	3.19	0.07	18.95	3.60	3.37	0.05
16.40	3.42	3.19	0.07	19.00	3.61	3.37	0.05
16.45	3.43	3.20	0.07	19.05	3.61	3.37	0.05
16.50	3.43	3.20	0.07	19.10	3.61	3.38	0.05
16.55	3.44	3.20	0.07	19.15	3.61	3.38	0.05
16.60	3.44	3.21	0.07	19.20	3.62	3.38	0.05
16.65	3.45	3.21	0.07	19.25	3.62	3.39	0.05
16.70	3.45	3.22	0.07	19.30	3.62	3.39	0.04
16.75	3.45	3.22	0.07	19.35	3.63	3.39	0.04
16.80	3.46	3.23	0.07	19.40	3.63	3.39	0.04
16.85	3.46	3.23	0.07	19.45	3.63	3.40	0.04
16.90	3.47	3.23	0.07	19.50	3.63	3.40	0.04
16.95	3.47	3.24	0.06	19.55	3.64	3.40	0.04
17.00	3.47	3.24	0.06	19.60	3.64	3.41	0.04
17.05	3.48	3.24	0.06	19.65	3.64	3.41	0.04
17.10	3.48	3.25	0.06	19.70	3.65	3.41	0.04
17.15	3.49	3.25	0.06	19.75	3.65	3.41	0.04
17.20	3.49	3.26	0.06	19.80	3.65	3.42	0.04
17.25	3.49	3.26	0.06	19.85	3.65	3.42	0.04
17.30	3.50	3.26	0.06	19.90	3.66	3.42	0.04
17.35	3.50	3.27	0.06	19.95	3.66	3.42	0.04
17.40	3.50	3.27	0.06	20.00	3.66	3.43	0.04
17.45	3.51	3.27	0.06	20.05	3.66	3.43	0.04
17.50	3.51	3.28	0.06	20.10	3.67	3.43	0.04
17.55	3.52	3.28	0.06	20.15	3.67	3.44	0.04
17.60	3.52	3.28	0.06	20.20	3.67	3.44	0.04
17.65	3.52	3.29	0.06	20.25	3.68	3.44	0.04
17.70	3.53	3.29	0.06	20.30	3.68	3.44	0.04
17.75	3.53	3.30	0.06	20.35	3.68	3.45	0.04
17.80	3.53	3.30	0.06	20.40	3.68	3.45	0.04
17.85	3.54	3.30	0.05	20.45	3.69	3.45	0.04
17.90	3.54	3.30	0.05	20.50	3.69	3.45	0.04
17.95	3.54	3.31	0.05	20.55	3.69	3.46	0.04
18.00	3.54	3.31	0.05	20.60	3.69	3.46	0.04
18.05	3.55	3.31	0.05	20.65	3.70	3.46	0.04
18.10	3.55	3.32	0.05	20.70	3.70	3.46	0.04
18.15	3.55	3.32	0.05	20.75	3.70	3.47	0.04

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	3.47	0.04	23.40	3.82	3.59	0.03
20.85	3.71	3.47	0.04	23.45	3.83	3.59	0.03
20.90	3.71	3.47	0.04	23.50	3.83	3.59	0.03
20.95	3.71	3.48	0.04	23.55	3.83	3.60	0.03
21.00	3.71	3.48	0.04	23.60	3.83	3.60	0.03
21.05	3.72	3.48	0.04	23.65	3.84	3.60	0.03
21.10	3.72	3.49	0.04	23.70	3.84	3.60	0.03
21.15	3.72	3.49	0.04	23.75	3.84	3.60	0.03
21.20	3.72	3.49	0.04	23.80	3.84	3.61	0.03
21.25	3.73	3.49	0.04	23.85	3.84	3.61	0.03
21.30	3.73	3.50	0.04	23.90	3.85	3.61	0.03
21.35	3.73	3.50	0.04	23.95	3.85	3.61	0.03
21.40	3.73	3.50	0.04	24.00	**3.85**	**3.62**	0.03
21.45	3.74	3.50	0.04	24.05	3.85	3.62	0.03
21.50	3.74	3.50	0.04	24.10	3.85	3.62	0.03
21.55	3.74	3.51	0.04	24.15	3.85	3.62	0.03
21.60	3.74	3.51	0.04	24.20	3.85	3.62	0.03
21.65	3.75	3.51	0.04	24.25	3.85	3.62	0.03
21.70	3.75	3.51	0.04	24.30	3.85	3.62	0.02
21.75	3.75	3.52	0.04	24.35	3.85	3.62	0.02
21.80	3.75	3.52	0.04	24.40	3.85	3.62	0.01
21.85	3.76	3.52	0.04	24.45	3.85	3.62	0.01
21.90	3.76	3.52	0.04	24.50	3.85	3.62	0.01
21.95	3.76	3.53	0.04	24.55	3.85	3.62	0.01
22.00	3.76	3.53	0.04	24.60	3.85	3.62	0.00
22.05	3.77	3.53	0.04	24.65	3.85	3.62	0.00
22.10	3.77	3.53	0.04	24.70	3.85	3.62	0.00
22.15	3.77	3.54	0.04	24.75	3.85	3.62	0.00
22.20	3.77	3.54	0.04	24.80	3.85	3.62	0.00
22.25	3.77	3.54	0.04	24.85	3.85	3.62	0.00
22.30	3.78	3.54	0.04	24.90	3.85	3.62	0.00
22.35	3.78	3.54	0.04	24.95	3.85	3.62	0.00
22.40	3.78	3.55	0.04	25.00	3.85	3.62	0.00
22.45	3.78	3.55	0.04	25.05	3.85	3.62	0.00
22.50	3.79	3.55	0.04	25.10	3.85	3.62	0.00
22.55	3.79	3.55	0.04	25.15	3.85	3.62	0.00
22.60	3.79	3.56	0.04	25.20	3.85	3.62	0.00
22.65	3.79	3.56	0.04	25.25	3.85	3.62	0.00
22.70	3.79	3.56	0.03	25.30	3.85	3.62	0.00
22.75	3.80	3.56	0.03	25.35	3.85	3.62	0.00
22.80	3.80	3.56	0.03	25.40	3.85	3.62	0.00
22.85	3.80	3.57	0.03	25.45	3.85	3.62	0.00
22.90	3.80	3.57	0.03	25.50	3.85	3.62	0.00
22.95	3.81	3.57	0.03	25.55	3.85	3.62	0.00
23.00	3.81	3.57	0.03	25.60	3.85	3.62	0.00
23.05	3.81	3.58	0.03	25.65	3.85	3.62	0.00
23.10	3.81	3.58	0.03	25.70	3.85	3.62	0.00
23.15	3.81	3.58	0.03	25.75	3.85	3.62	0.00
23.20	3.82	3.58	0.03	25.80	3.85	3.62	0.00
23.25	3.82	3.58	0.03	25.85	3.85	3.62	0.00
23.30	3.82	3.59	0.03	25.90	3.85	3.62	0.00
23.35	3.82	3.59	0.03	25.95	3.85	3.62	0.00

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	3.62	0.00	28.60	3.85	3.62	0.00
26.05	3.85	3.62	0.00	28.65	3.85	3.62	0.00
26.10	3.85	3.62	0.00	28.70	3.85	3.62	0.00
26.15	3.85	3.62	0.00	28.75	3.85	3.62	0.00
26.20	3.85	3.62	0.00	28.80	3.85	3.62	0.00
26.25	3.85	3.62	0.00	28.85	3.85	3.62	0.00
26.30	3.85	3.62	0.00	28.90	3.85	3.62	0.00
26.35	3.85	3.62	0.00	28.95	3.85	3.62	0.00
26.40	3.85	3.62	0.00	29.00	3.85	3.62	0.00
26.45	3.85	3.62	0.00	29.05	3.85	3.62	0.00
26.50	3.85	3.62	0.00	29.10	3.85	3.62	0.00
26.55	3.85	3.62	0.00	29.15	3.85	3.62	0.00
26.60	3.85	3.62	0.00	29.20	3.85	3.62	0.00
26.65	3.85	3.62	0.00	29.25	3.85	3.62	0.00
26.70	3.85	3.62	0.00	29.30	3.85	3.62	0.00
26.75	3.85	3.62	0.00	29.35	3.85	3.62	0.00
26.80	3.85	3.62	0.00	29.40	3.85	3.62	0.00
26.85	3.85	3.62	0.00	29.45	3.85	3.62	0.00
26.90	3.85	3.62	0.00	29.50	3.85	3.62	0.00
26.95	3.85	3.62	0.00	29.55	3.85	3.62	0.00
27.00	3.85	3.62	0.00	29.60	3.85	3.62	0.00
27.05	3.85	3.62	0.00	29.65	3.85	3.62	0.00
27.10	3.85	3.62	0.00	29.70	3.85	3.62	0.00
27.15	3.85	3.62	0.00	29.75	3.85	3.62	0.00
27.20	3.85	3.62	0.00	29.80	3.85	3.62	0.00
27.25	3.85	3.62	0.00	29.85	3.85	3.62	0.00
27.30	3.85	3.62	0.00	29.90	3.85	3.62	0.00
27.35	3.85	3.62	0.00	29.95	3.85	3.62	0.00
27.40	3.85	3.62	0.00	30.00	3.85	3.62	0.00
27.45	3.85	3.62	0.00	30.05	3.85	3.62	0.00
27.50	3.85	3.62	0.00	30.10	3.85	3.62	0.00
27.55	3.85	3.62	0.00	30.15	3.85	3.62	0.00
27.60	3.85	3.62	0.00	30.20	3.85	3.62	0.00
27.65	3.85	3.62	0.00	30.25	3.85	3.62	0.00
27.70	3.85	3.62	0.00	30.30	3.85	3.62	0.00
27.75	3.85	3.62	0.00	30.35	3.85	3.62	0.00
27.80	3.85	3.62	0.00	30.40	3.85	3.62	0.00
27.85	3.85	3.62	0.00	30.45	3.85	3.62	0.00
27.90	3.85	3.62	0.00	30.50	3.85	3.62	0.00
27.95	3.85	3.62	0.00	30.55	3.85	3.62	0.00
28.00	3.85	3.62	0.00	30.60	3.85	3.62	0.00
28.05	3.85	3.62	0.00	30.65	3.85	3.62	0.00
28.10	3.85	3.62	0.00	30.70	3.85	3.62	0.00
28.15	3.85	3.62	0.00	30.75	3.85	3.62	0.00
28.20	3.85	3.62	0.00	30.80	3.85	3.62	0.00
28.25	3.85	3.62	0.00	30.85	3.85	3.62	0.00
28.30	3.85	3.62	0.00	30.90	3.85	3.62	0.00
28.35	3.85	3.62	0.00	30.95	3.85	3.62	0.00
28.40	3.85	3.62	0.00	31.00	3.85	3.62	0.00
28.45	3.85	3.62	0.00	31.05	3.85	3.62	0.00
28.50	3.85	3.62	0.00	31.10	3.85	3.62	0.00
28.55	3.85	3.62	0.00	31.15	3.85	3.62	0.00

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	3.62	0.00	33.80	3.85	3.62	0.00
31.25	3.85	3.62	0.00	33.85	3.85	3.62	0.00
31.30	3.85	3.62	0.00	33.90	3.85	3.62	0.00
31.35	3.85	3.62	0.00	33.95	3.85	3.62	0.00
31.40	3.85	3.62	0.00	34.00	3.85	3.62	0.00
31.45	3.85	3.62	0.00	34.05	3.85	3.62	0.00
31.50	3.85	3.62	0.00	34.10	3.85	3.62	0.00
31.55	3.85	3.62	0.00	34.15	3.85	3.62	0.00
31.60	3.85	3.62	0.00	34.20	3.85	3.62	0.00
31.65	3.85	3.62	0.00	34.25	3.85	3.62	0.00
31.70	3.85	3.62	0.00	34.30	3.85	3.62	0.00
31.75	3.85	3.62	0.00	34.35	3.85	3.62	0.00
31.80	3.85	3.62	0.00	34.40	3.85	3.62	0.00
31.85	3.85	3.62	0.00	34.45	3.85	3.62	0.00
31.90	3.85	3.62	0.00	34.50	3.85	3.62	0.00
31.95	3.85	3.62	0.00	34.55	3.85	3.62	0.00
32.00	3.85	3.62	0.00	34.60	3.85	3.62	0.00
32.05	3.85	3.62	0.00	34.65	3.85	3.62	0.00
32.10	3.85	3.62	0.00	34.70	3.85	3.62	0.00
32.15	3.85	3.62	0.00	34.75	3.85	3.62	0.00
32.20	3.85	3.62	0.00	34.80	3.85	3.62	0.00
32.25	3.85	3.62	0.00	34.85	3.85	3.62	0.00
32.30	3.85	3.62	0.00	34.90	3.85	3.62	0.00
32.35	3.85	3.62	0.00	34.95	3.85	3.62	0.00
32.40	3.85	3.62	0.00	35.00	3.85	3.62	0.00
32.45	3.85	3.62	0.00	35.05	3.85	3.62	0.00
32.50	3.85	3.62	0.00	35.10	3.85	3.62	0.00
32.55	3.85	3.62	0.00	35.15	3.85	3.62	0.00
32.60	3.85	3.62	0.00	35.20	3.85	3.62	0.00
32.65	3.85	3.62	0.00	35.25	3.85	3.62	0.00
32.70	3.85	3.62	0.00	35.30	3.85	3.62	0.00
32.75	3.85	3.62	0.00	35.35	3.85	3.62	0.00
32.80	3.85	3.62	0.00	35.40	3.85	3.62	0.00
32.85	3.85	3.62	0.00	35.45	3.85	3.62	0.00
32.90	3.85	3.62	0.00	35.50	3.85	3.62	0.00
32.95	3.85	3.62	0.00	35.55	3.85	3.62	0.00
33.00	3.85	3.62	0.00	35.60	3.85	3.62	0.00
33.05	3.85	3.62	0.00	35.65	3.85	3.62	0.00
33.10	3.85	3.62	0.00	35.70	3.85	3.62	0.00
33.15	3.85	3.62	0.00	35.75	3.85	3.62	0.00
33.20	3.85	3.62	0.00	35.80	3.85	3.62	0.00
33.25	3.85	3.62	0.00	35.85	3.85	3.62	0.00
33.30	3.85	3.62	0.00	35.90	3.85	3.62	0.00
33.35	3.85	3.62	0.00	35.95	3.85	3.62	0.00
33.40	3.85	3.62	0.00	36.00	3.85	3.62	0.00
33.45	3.85	3.62	0.00	36.05	3.85	3.62	0.00
33.50	3.85	3.62	0.00	36.10	3.85	3.62	0.00
33.55	3.85	3.62	0.00	36.15	3.85	3.62	0.00
33.60	3.85	3.62	0.00	36.20	3.85	3.62	0.00
33.65	3.85	3.62	0.00	36.25	3.85	3.62	0.00
33.70	3.85	3.62	0.00	36.30	3.85	3.62	0.00
33.75	3.85	3.62	0.00	36.35	3.85	3.62	0.00

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	3.62	0.00
36.45	3.85	3.62	0.00
36.50	3.85	3.62	0.00
36.55	3.85	3.62	0.00
36.60	3.85	3.62	0.00
36.65	3.85	3.62	0.00
36.70	3.85	3.62	0.00
36.75	3.85	3.62	0.00
36.80	3.85	3.62	0.00
36.85	3.85	3.62	0.00
36.90	3.85	3.62	0.00
36.95	3.85	3.62	0.00
37.00	3.85	3.62	0.00
37.05	3.85	3.62	0.00
37.10	3.85	3.62	0.00
37.15	3.85	3.62	0.00
37.20	3.85	3.62	0.00
37.25	3.85	3.62	0.00
37.30	3.85	3.62	0.00
37.35	3.85	3.62	0.00
37.40	3.85	3.62	0.00
37.45	3.85	3.62	0.00
37.50	3.85	3.62	0.00
37.55	3.85	3.62	0.00
37.60	3.85	3.62	0.00
37.65	3.85	3.62	0.00
37.70	3.85	3.62	0.00
37.75	3.85	3.62	0.00
37.80	3.85	3.62	0.00
37.85	3.85	3.62	0.00
37.90	3.85	3.62	0.00
37.95	3.85	3.62	0.00
38.00	3.85	3.62	0.00
38.05	3.85	3.62	0.00
38.10	3.85	3.62	0.00
38.15	3.85	3.62	0.00
38.20	3.85	3.62	0.00
38.25	3.85	3.62	0.00
38.30	3.85	3.62	0.00
38.35	3.85	3.62	0.00
38.40	3.85	3.62	0.00
38.45	3.85	3.62	0.00
38.50	3.85	3.62	0.00
38.55	3.85	3.62	0.00
38.60	3.85	3.62	0.00
38.65	3.85	3.62	0.00
38.70	3.85	3.62	0.00
38.75	3.85	3.62	0.00
38.80	3.85	3.62	0.00
38.85	3.85	3.62	0.00
38.90	3.85	3.62	0.00
38.95	3.85	3.62	0.00
39.00	3.85	3.62	0.00
39.05	3.85	3.62	0.00
39.10	3.85	3.62	0.00
39.15	3.85	3.62	0.00
39.20	3.85	3.62	0.00
39.25	3.85	3.62	0.00
39.30	3.85	3.62	0.00
39.35	3.85	3.62	0.00
39.40	3.85	3.62	0.00
39.45	3.85	3.62	0.00
39.50	3.85	3.62	0.00
39.55	3.85	3.62	0.00
39.60	3.85	3.62	0.00
39.65	3.85	3.62	0.00
39.70	3.85	3.62	0.00
39.75	3.85	3.62	0.00
39.80	3.85	3.62	0.00
39.85	3.85	3.62	0.00
39.90	3.85	3.62	0.00
39.95	3.85	3.62	0.00
40.00	3.85	3.62	0.00

Summary for Subcatchment 51I: PDA-51 (impervious)

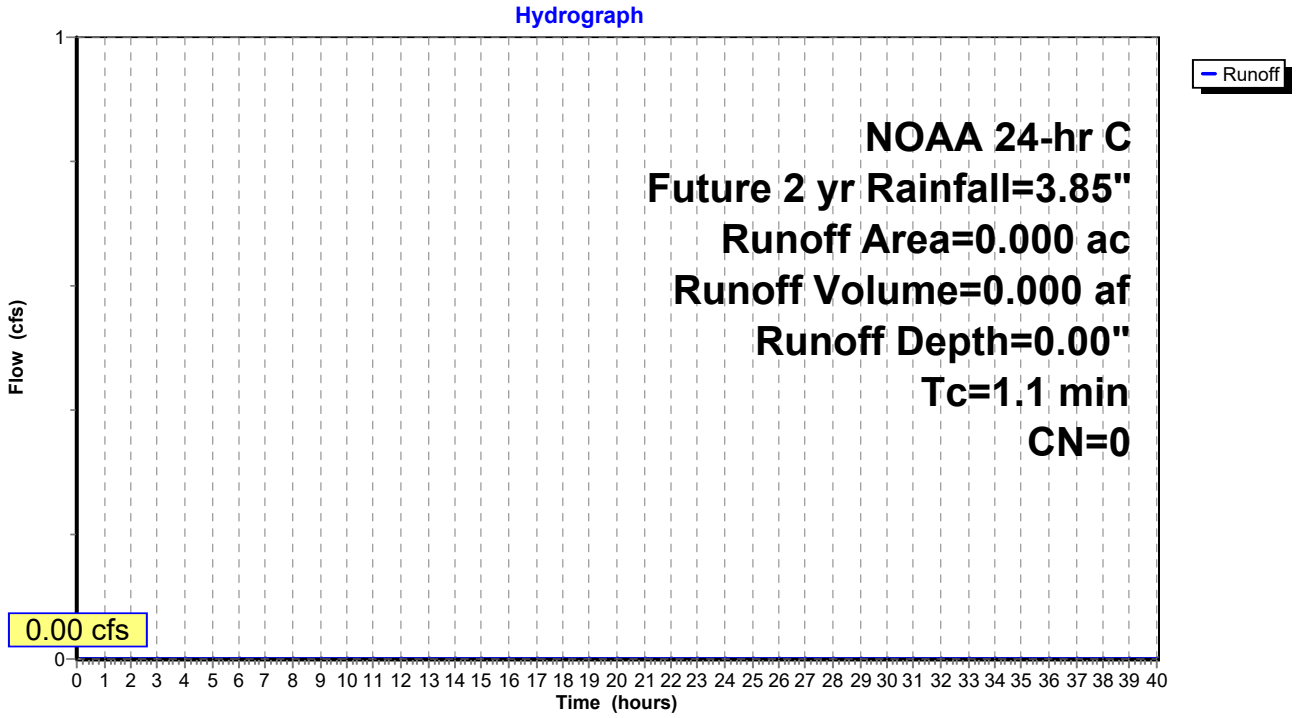
Runoff = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Depth= 0.00"
Routed to Pond B-51 : Basin #51

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

	Area (ac)	CN	Description
*	0.000	98	Roof, HSG C

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.1					**Direct Entry,**

Subcatchment 51I: PDA-51 (impervious)



Hydrograph for Subcatchment 51I: PDA-51 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	**0.00**	**0.00**	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.00
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.00	13.00	2.93	0.00	0.00
10.45	0.78	0.00	0.00	13.05	2.94	0.00	0.00
10.50	0.79	0.00	0.00	13.10	2.96	0.00	0.00
10.55	0.80	0.00	0.00	13.15	2.97	0.00	0.00
10.60	0.82	0.00	0.00	13.20	2.98	0.00	0.00
10.65	0.83	0.00	0.00	13.25	3.00	0.00	0.00
10.70	0.84	0.00	0.00	13.30	3.01	0.00	0.00
10.75	0.85	0.00	0.00	13.35	3.02	0.00	0.00
10.80	0.87	0.00	0.00	13.40	3.03	0.00	0.00
10.85	0.88	0.00	0.00	13.45	3.05	0.00	0.00
10.90	0.89	0.00	0.00	13.50	3.06	0.00	0.00
10.95	0.91	0.00	0.00	13.55	3.07	0.00	0.00
11.00	0.92	0.00	0.00	13.60	3.08	0.00	0.00
11.05	0.94	0.00	0.00	13.65	3.09	0.00	0.00
11.10	0.96	0.00	0.00	13.70	3.09	0.00	0.00
11.15	0.98	0.00	0.00	13.75	3.10	0.00	0.00
11.20	1.00	0.00	0.00	13.80	3.11	0.00	0.00
11.25	1.02	0.00	0.00	13.85	3.12	0.00	0.00
11.30	1.04	0.00	0.00	13.90	3.13	0.00	0.00
11.35	1.06	0.00	0.00	13.95	3.14	0.00	0.00
11.40	1.09	0.00	0.00	14.00	3.15	0.00	0.00
11.45	1.11	0.00	0.00	14.05	3.16	0.00	0.00
11.50	1.14	0.00	0.00	14.10	3.16	0.00	0.00
11.55	1.18	0.00	0.00	14.15	3.17	0.00	0.00
11.60	1.22	0.00	0.00	14.20	3.18	0.00	0.00
11.65	1.26	0.00	0.00	14.25	3.19	0.00	0.00
11.70	1.30	0.00	0.00	14.30	3.20	0.00	0.00
11.75	1.35	0.00	0.00	14.35	3.20	0.00	0.00
11.80	1.41	0.00	0.00	14.40	3.21	0.00	0.00
11.85	1.49	0.00	0.00	14.45	3.22	0.00	0.00
11.90	1.57	0.00	0.00	14.50	3.23	0.00	0.00
11.95	1.70	0.00	0.00	14.55	3.23	0.00	0.00
12.00	1.83	0.00	0.00	14.60	3.24	0.00	0.00
12.05	2.06	0.00	0.00	14.65	3.25	0.00	0.00
12.10	2.28	0.00	0.00	14.70	3.25	0.00	0.00
12.15	2.36	0.00	0.00	14.75	3.26	0.00	0.00
12.20	2.44	0.00	0.00	14.80	3.26	0.00	0.00
12.25	2.50	0.00	0.00	14.85	3.27	0.00	0.00
12.30	2.55	0.00	0.00	14.90	3.28	0.00	0.00
12.35	2.59	0.00	0.00	14.95	3.28	0.00	0.00
12.40	2.63	0.00	0.00	15.00	3.29	0.00	0.00
12.45	2.67	0.00	0.00	15.05	3.29	0.00	0.00
12.50	2.71	0.00	0.00	15.10	3.30	0.00	0.00
12.55	2.74	0.00	0.00	15.15	3.30	0.00	0.00
12.60	2.76	0.00	0.00	15.20	3.31	0.00	0.00
12.65	2.79	0.00	0.00	15.25	3.31	0.00	0.00
12.70	2.81	0.00	0.00	15.30	3.32	0.00	0.00
12.75	2.83	0.00	0.00	15.35	3.32	0.00	0.00
12.80	2.85	0.00	0.00	15.40	3.33	0.00	0.00
12.85	2.87	0.00	0.00	15.45	3.34	0.00	0.00
12.90	2.89	0.00	0.00	15.50	3.34	0.00	0.00
12.95	2.91	0.00	0.00	15.55	3.35	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	0.00	0.00	18.20	3.56	0.00	0.00
15.65	3.36	0.00	0.00	18.25	3.56	0.00	0.00
15.70	3.36	0.00	0.00	18.30	3.56	0.00	0.00
15.75	3.36	0.00	0.00	18.35	3.57	0.00	0.00
15.80	3.37	0.00	0.00	18.40	3.57	0.00	0.00
15.85	3.37	0.00	0.00	18.45	3.57	0.00	0.00
15.90	3.38	0.00	0.00	18.50	3.58	0.00	0.00
15.95	3.38	0.00	0.00	18.55	3.58	0.00	0.00
16.00	3.39	0.00	0.00	18.60	3.58	0.00	0.00
16.05	3.39	0.00	0.00	18.65	3.58	0.00	0.00
16.10	3.40	0.00	0.00	18.70	3.59	0.00	0.00
16.15	3.40	0.00	0.00	18.75	3.59	0.00	0.00
16.20	3.41	0.00	0.00	18.80	3.59	0.00	0.00
16.25	3.41	0.00	0.00	18.85	3.60	0.00	0.00
16.30	3.42	0.00	0.00	18.90	3.60	0.00	0.00
16.35	3.42	0.00	0.00	18.95	3.60	0.00	0.00
16.40	3.42	0.00	0.00	19.00	3.61	0.00	0.00
16.45	3.43	0.00	0.00	19.05	3.61	0.00	0.00
16.50	3.43	0.00	0.00	19.10	3.61	0.00	0.00
16.55	3.44	0.00	0.00	19.15	3.61	0.00	0.00
16.60	3.44	0.00	0.00	19.20	3.62	0.00	0.00
16.65	3.45	0.00	0.00	19.25	3.62	0.00	0.00
16.70	3.45	0.00	0.00	19.30	3.62	0.00	0.00
16.75	3.45	0.00	0.00	19.35	3.63	0.00	0.00
16.80	3.46	0.00	0.00	19.40	3.63	0.00	0.00
16.85	3.46	0.00	0.00	19.45	3.63	0.00	0.00
16.90	3.47	0.00	0.00	19.50	3.63	0.00	0.00
16.95	3.47	0.00	0.00	19.55	3.64	0.00	0.00
17.00	3.47	0.00	0.00	19.60	3.64	0.00	0.00
17.05	3.48	0.00	0.00	19.65	3.64	0.00	0.00
17.10	3.48	0.00	0.00	19.70	3.65	0.00	0.00
17.15	3.49	0.00	0.00	19.75	3.65	0.00	0.00
17.20	3.49	0.00	0.00	19.80	3.65	0.00	0.00
17.25	3.49	0.00	0.00	19.85	3.65	0.00	0.00
17.30	3.50	0.00	0.00	19.90	3.66	0.00	0.00
17.35	3.50	0.00	0.00	19.95	3.66	0.00	0.00
17.40	3.50	0.00	0.00	20.00	3.66	0.00	0.00
17.45	3.51	0.00	0.00	20.05	3.66	0.00	0.00
17.50	3.51	0.00	0.00	20.10	3.67	0.00	0.00
17.55	3.52	0.00	0.00	20.15	3.67	0.00	0.00
17.60	3.52	0.00	0.00	20.20	3.67	0.00	0.00
17.65	3.52	0.00	0.00	20.25	3.68	0.00	0.00
17.70	3.53	0.00	0.00	20.30	3.68	0.00	0.00
17.75	3.53	0.00	0.00	20.35	3.68	0.00	0.00
17.80	3.53	0.00	0.00	20.40	3.68	0.00	0.00
17.85	3.54	0.00	0.00	20.45	3.69	0.00	0.00
17.90	3.54	0.00	0.00	20.50	3.69	0.00	0.00
17.95	3.54	0.00	0.00	20.55	3.69	0.00	0.00
18.00	3.54	0.00	0.00	20.60	3.69	0.00	0.00
18.05	3.55	0.00	0.00	20.65	3.70	0.00	0.00
18.10	3.55	0.00	0.00	20.70	3.70	0.00	0.00
18.15	3.55	0.00	0.00	20.75	3.70	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	0.00	0.00	23.40	3.82	0.00	0.00
20.85	3.71	0.00	0.00	23.45	3.83	0.00	0.00
20.90	3.71	0.00	0.00	23.50	3.83	0.00	0.00
20.95	3.71	0.00	0.00	23.55	3.83	0.00	0.00
21.00	3.71	0.00	0.00	23.60	3.83	0.00	0.00
21.05	3.72	0.00	0.00	23.65	3.84	0.00	0.00
21.10	3.72	0.00	0.00	23.70	3.84	0.00	0.00
21.15	3.72	0.00	0.00	23.75	3.84	0.00	0.00
21.20	3.72	0.00	0.00	23.80	3.84	0.00	0.00
21.25	3.73	0.00	0.00	23.85	3.84	0.00	0.00
21.30	3.73	0.00	0.00	23.90	3.85	0.00	0.00
21.35	3.73	0.00	0.00	23.95	3.85	0.00	0.00
21.40	3.73	0.00	0.00	24.00	**3.85**	0.00	0.00
21.45	3.74	0.00	0.00	24.05	3.85	0.00	0.00
21.50	3.74	0.00	0.00	24.10	3.85	0.00	0.00
21.55	3.74	0.00	0.00	24.15	3.85	0.00	0.00
21.60	3.74	0.00	0.00	24.20	3.85	0.00	0.00
21.65	3.75	0.00	0.00	24.25	3.85	0.00	0.00
21.70	3.75	0.00	0.00	24.30	3.85	0.00	0.00
21.75	3.75	0.00	0.00	24.35	3.85	0.00	0.00
21.80	3.75	0.00	0.00	24.40	3.85	0.00	0.00
21.85	3.76	0.00	0.00	24.45	3.85	0.00	0.00
21.90	3.76	0.00	0.00	24.50	3.85	0.00	0.00
21.95	3.76	0.00	0.00	24.55	3.85	0.00	0.00
22.00	3.76	0.00	0.00	24.60	3.85	0.00	0.00
22.05	3.77	0.00	0.00	24.65	3.85	0.00	0.00
22.10	3.77	0.00	0.00	24.70	3.85	0.00	0.00
22.15	3.77	0.00	0.00	24.75	3.85	0.00	0.00
22.20	3.77	0.00	0.00	24.80	3.85	0.00	0.00
22.25	3.77	0.00	0.00	24.85	3.85	0.00	0.00
22.30	3.78	0.00	0.00	24.90	3.85	0.00	0.00
22.35	3.78	0.00	0.00	24.95	3.85	0.00	0.00
22.40	3.78	0.00	0.00	25.00	3.85	0.00	0.00
22.45	3.78	0.00	0.00	25.05	3.85	0.00	0.00
22.50	3.79	0.00	0.00	25.10	3.85	0.00	0.00
22.55	3.79	0.00	0.00	25.15	3.85	0.00	0.00
22.60	3.79	0.00	0.00	25.20	3.85	0.00	0.00
22.65	3.79	0.00	0.00	25.25	3.85	0.00	0.00
22.70	3.79	0.00	0.00	25.30	3.85	0.00	0.00
22.75	3.80	0.00	0.00	25.35	3.85	0.00	0.00
22.80	3.80	0.00	0.00	25.40	3.85	0.00	0.00
22.85	3.80	0.00	0.00	25.45	3.85	0.00	0.00
22.90	3.80	0.00	0.00	25.50	3.85	0.00	0.00
22.95	3.81	0.00	0.00	25.55	3.85	0.00	0.00
23.00	3.81	0.00	0.00	25.60	3.85	0.00	0.00
23.05	3.81	0.00	0.00	25.65	3.85	0.00	0.00
23.10	3.81	0.00	0.00	25.70	3.85	0.00	0.00
23.15	3.81	0.00	0.00	25.75	3.85	0.00	0.00
23.20	3.82	0.00	0.00	25.80	3.85	0.00	0.00
23.25	3.82	0.00	0.00	25.85	3.85	0.00	0.00
23.30	3.82	0.00	0.00	25.90	3.85	0.00	0.00
23.35	3.82	0.00	0.00	25.95	3.85	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	0.00	0.00	28.60	3.85	0.00	0.00
26.05	3.85	0.00	0.00	28.65	3.85	0.00	0.00
26.10	3.85	0.00	0.00	28.70	3.85	0.00	0.00
26.15	3.85	0.00	0.00	28.75	3.85	0.00	0.00
26.20	3.85	0.00	0.00	28.80	3.85	0.00	0.00
26.25	3.85	0.00	0.00	28.85	3.85	0.00	0.00
26.30	3.85	0.00	0.00	28.90	3.85	0.00	0.00
26.35	3.85	0.00	0.00	28.95	3.85	0.00	0.00
26.40	3.85	0.00	0.00	29.00	3.85	0.00	0.00
26.45	3.85	0.00	0.00	29.05	3.85	0.00	0.00
26.50	3.85	0.00	0.00	29.10	3.85	0.00	0.00
26.55	3.85	0.00	0.00	29.15	3.85	0.00	0.00
26.60	3.85	0.00	0.00	29.20	3.85	0.00	0.00
26.65	3.85	0.00	0.00	29.25	3.85	0.00	0.00
26.70	3.85	0.00	0.00	29.30	3.85	0.00	0.00
26.75	3.85	0.00	0.00	29.35	3.85	0.00	0.00
26.80	3.85	0.00	0.00	29.40	3.85	0.00	0.00
26.85	3.85	0.00	0.00	29.45	3.85	0.00	0.00
26.90	3.85	0.00	0.00	29.50	3.85	0.00	0.00
26.95	3.85	0.00	0.00	29.55	3.85	0.00	0.00
27.00	3.85	0.00	0.00	29.60	3.85	0.00	0.00
27.05	3.85	0.00	0.00	29.65	3.85	0.00	0.00
27.10	3.85	0.00	0.00	29.70	3.85	0.00	0.00
27.15	3.85	0.00	0.00	29.75	3.85	0.00	0.00
27.20	3.85	0.00	0.00	29.80	3.85	0.00	0.00
27.25	3.85	0.00	0.00	29.85	3.85	0.00	0.00
27.30	3.85	0.00	0.00	29.90	3.85	0.00	0.00
27.35	3.85	0.00	0.00	29.95	3.85	0.00	0.00
27.40	3.85	0.00	0.00	30.00	3.85	0.00	0.00
27.45	3.85	0.00	0.00	30.05	3.85	0.00	0.00
27.50	3.85	0.00	0.00	30.10	3.85	0.00	0.00
27.55	3.85	0.00	0.00	30.15	3.85	0.00	0.00
27.60	3.85	0.00	0.00	30.20	3.85	0.00	0.00
27.65	3.85	0.00	0.00	30.25	3.85	0.00	0.00
27.70	3.85	0.00	0.00	30.30	3.85	0.00	0.00
27.75	3.85	0.00	0.00	30.35	3.85	0.00	0.00
27.80	3.85	0.00	0.00	30.40	3.85	0.00	0.00
27.85	3.85	0.00	0.00	30.45	3.85	0.00	0.00
27.90	3.85	0.00	0.00	30.50	3.85	0.00	0.00
27.95	3.85	0.00	0.00	30.55	3.85	0.00	0.00
28.00	3.85	0.00	0.00	30.60	3.85	0.00	0.00
28.05	3.85	0.00	0.00	30.65	3.85	0.00	0.00
28.10	3.85	0.00	0.00	30.70	3.85	0.00	0.00
28.15	3.85	0.00	0.00	30.75	3.85	0.00	0.00
28.20	3.85	0.00	0.00	30.80	3.85	0.00	0.00
28.25	3.85	0.00	0.00	30.85	3.85	0.00	0.00
28.30	3.85	0.00	0.00	30.90	3.85	0.00	0.00
28.35	3.85	0.00	0.00	30.95	3.85	0.00	0.00
28.40	3.85	0.00	0.00	31.00	3.85	0.00	0.00
28.45	3.85	0.00	0.00	31.05	3.85	0.00	0.00
28.50	3.85	0.00	0.00	31.10	3.85	0.00	0.00
28.55	3.85	0.00	0.00	31.15	3.85	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	0.00	0.00	33.80	3.85	0.00	0.00
31.25	3.85	0.00	0.00	33.85	3.85	0.00	0.00
31.30	3.85	0.00	0.00	33.90	3.85	0.00	0.00
31.35	3.85	0.00	0.00	33.95	3.85	0.00	0.00
31.40	3.85	0.00	0.00	34.00	3.85	0.00	0.00
31.45	3.85	0.00	0.00	34.05	3.85	0.00	0.00
31.50	3.85	0.00	0.00	34.10	3.85	0.00	0.00
31.55	3.85	0.00	0.00	34.15	3.85	0.00	0.00
31.60	3.85	0.00	0.00	34.20	3.85	0.00	0.00
31.65	3.85	0.00	0.00	34.25	3.85	0.00	0.00
31.70	3.85	0.00	0.00	34.30	3.85	0.00	0.00
31.75	3.85	0.00	0.00	34.35	3.85	0.00	0.00
31.80	3.85	0.00	0.00	34.40	3.85	0.00	0.00
31.85	3.85	0.00	0.00	34.45	3.85	0.00	0.00
31.90	3.85	0.00	0.00	34.50	3.85	0.00	0.00
31.95	3.85	0.00	0.00	34.55	3.85	0.00	0.00
32.00	3.85	0.00	0.00	34.60	3.85	0.00	0.00
32.05	3.85	0.00	0.00	34.65	3.85	0.00	0.00
32.10	3.85	0.00	0.00	34.70	3.85	0.00	0.00
32.15	3.85	0.00	0.00	34.75	3.85	0.00	0.00
32.20	3.85	0.00	0.00	34.80	3.85	0.00	0.00
32.25	3.85	0.00	0.00	34.85	3.85	0.00	0.00
32.30	3.85	0.00	0.00	34.90	3.85	0.00	0.00
32.35	3.85	0.00	0.00	34.95	3.85	0.00	0.00
32.40	3.85	0.00	0.00	35.00	3.85	0.00	0.00
32.45	3.85	0.00	0.00	35.05	3.85	0.00	0.00
32.50	3.85	0.00	0.00	35.10	3.85	0.00	0.00
32.55	3.85	0.00	0.00	35.15	3.85	0.00	0.00
32.60	3.85	0.00	0.00	35.20	3.85	0.00	0.00
32.65	3.85	0.00	0.00	35.25	3.85	0.00	0.00
32.70	3.85	0.00	0.00	35.30	3.85	0.00	0.00
32.75	3.85	0.00	0.00	35.35	3.85	0.00	0.00
32.80	3.85	0.00	0.00	35.40	3.85	0.00	0.00
32.85	3.85	0.00	0.00	35.45	3.85	0.00	0.00
32.90	3.85	0.00	0.00	35.50	3.85	0.00	0.00
32.95	3.85	0.00	0.00	35.55	3.85	0.00	0.00
33.00	3.85	0.00	0.00	35.60	3.85	0.00	0.00
33.05	3.85	0.00	0.00	35.65	3.85	0.00	0.00
33.10	3.85	0.00	0.00	35.70	3.85	0.00	0.00
33.15	3.85	0.00	0.00	35.75	3.85	0.00	0.00
33.20	3.85	0.00	0.00	35.80	3.85	0.00	0.00
33.25	3.85	0.00	0.00	35.85	3.85	0.00	0.00
33.30	3.85	0.00	0.00	35.90	3.85	0.00	0.00
33.35	3.85	0.00	0.00	35.95	3.85	0.00	0.00
33.40	3.85	0.00	0.00	36.00	3.85	0.00	0.00
33.45	3.85	0.00	0.00	36.05	3.85	0.00	0.00
33.50	3.85	0.00	0.00	36.10	3.85	0.00	0.00
33.55	3.85	0.00	0.00	36.15	3.85	0.00	0.00
33.60	3.85	0.00	0.00	36.20	3.85	0.00	0.00
33.65	3.85	0.00	0.00	36.25	3.85	0.00	0.00
33.70	3.85	0.00	0.00	36.30	3.85	0.00	0.00
33.75	3.85	0.00	0.00	36.35	3.85	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	0.00	0.00
36.45	3.85	0.00	0.00
36.50	3.85	0.00	0.00
36.55	3.85	0.00	0.00
36.60	3.85	0.00	0.00
36.65	3.85	0.00	0.00
36.70	3.85	0.00	0.00
36.75	3.85	0.00	0.00
36.80	3.85	0.00	0.00
36.85	3.85	0.00	0.00
36.90	3.85	0.00	0.00
36.95	3.85	0.00	0.00
37.00	3.85	0.00	0.00
37.05	3.85	0.00	0.00
37.10	3.85	0.00	0.00
37.15	3.85	0.00	0.00
37.20	3.85	0.00	0.00
37.25	3.85	0.00	0.00
37.30	3.85	0.00	0.00
37.35	3.85	0.00	0.00
37.40	3.85	0.00	0.00
37.45	3.85	0.00	0.00
37.50	3.85	0.00	0.00
37.55	3.85	0.00	0.00
37.60	3.85	0.00	0.00
37.65	3.85	0.00	0.00
37.70	3.85	0.00	0.00
37.75	3.85	0.00	0.00
37.80	3.85	0.00	0.00
37.85	3.85	0.00	0.00
37.90	3.85	0.00	0.00
37.95	3.85	0.00	0.00
38.00	3.85	0.00	0.00
38.05	3.85	0.00	0.00
38.10	3.85	0.00	0.00
38.15	3.85	0.00	0.00
38.20	3.85	0.00	0.00
38.25	3.85	0.00	0.00
38.30	3.85	0.00	0.00
38.35	3.85	0.00	0.00
38.40	3.85	0.00	0.00
38.45	3.85	0.00	0.00
38.50	3.85	0.00	0.00
38.55	3.85	0.00	0.00
38.60	3.85	0.00	0.00
38.65	3.85	0.00	0.00
38.70	3.85	0.00	0.00
38.75	3.85	0.00	0.00
38.80	3.85	0.00	0.00
38.85	3.85	0.00	0.00
38.90	3.85	0.00	0.00
38.95	3.85	0.00	0.00
39.00	3.85	0.00	0.00
39.05	3.85	0.00	0.00
39.10	3.85	0.00	0.00
39.15	3.85	0.00	0.00
39.20	3.85	0.00	0.00
39.25	3.85	0.00	0.00
39.30	3.85	0.00	0.00
39.35	3.85	0.00	0.00
39.40	3.85	0.00	0.00
39.45	3.85	0.00	0.00
39.50	3.85	0.00	0.00
39.55	3.85	0.00	0.00
39.60	3.85	0.00	0.00
39.65	3.85	0.00	0.00
39.70	3.85	0.00	0.00
39.75	3.85	0.00	0.00
39.80	3.85	0.00	0.00
39.85	3.85	0.00	0.00
39.90	3.85	0.00	0.00
39.95	3.85	0.00	0.00
40.00	3.85	0.00	0.00

Summary for Subcatchment 51P: PDA-51 (pervious)

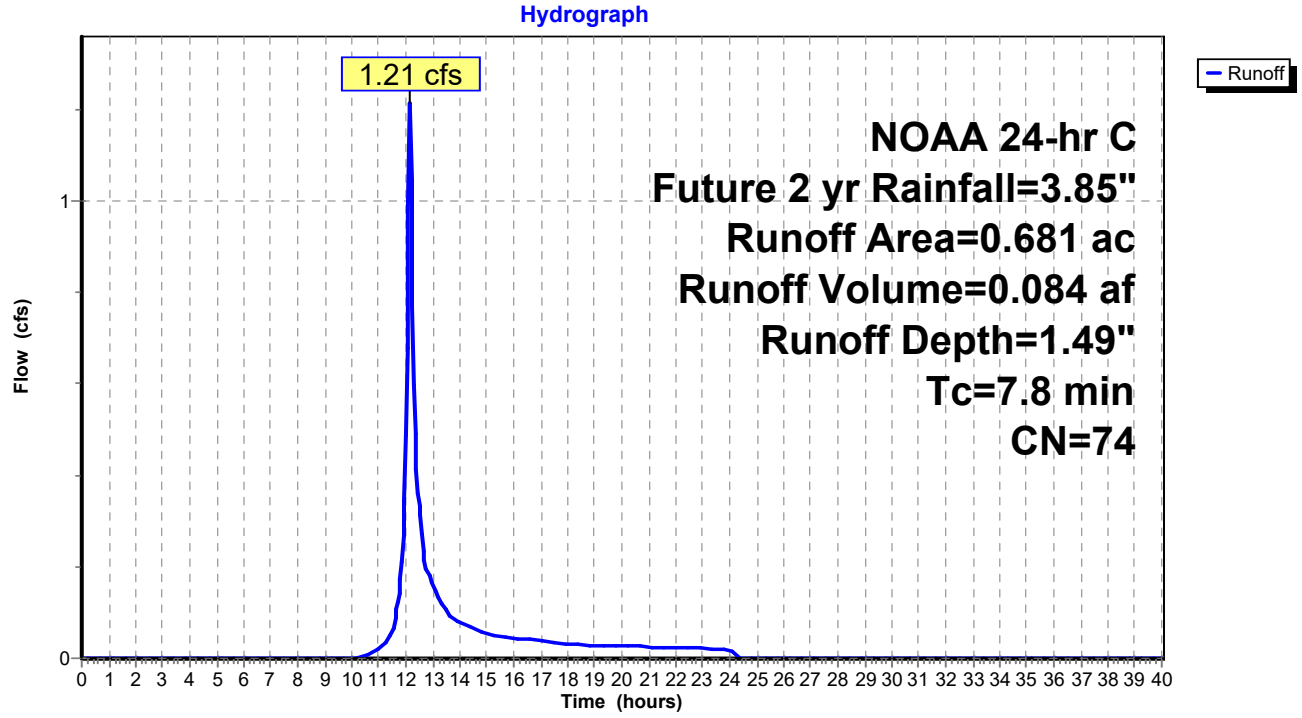
Runoff = 1.21 cfs @ 12.15 hrs, Volume= 0.084 af, Depth= 1.49"
Routed to Pond B-51 : Basin #51

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
0.681	74	>75% Grass cover, Good, HSG C
0.681		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
7.8					**Direct Entry,**

Subcatchment 51P: PDA-51 (pervious)



Hydrograph for Subcatchment 51P: PDA-51 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.00
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.00

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.00	13.00	2.93	0.86	0.16
10.45	0.78	0.00	0.00	13.05	2.94	0.87	0.15
10.50	0.79	0.00	0.00	13.10	2.96	0.88	0.14
10.55	0.80	0.00	0.01	13.15	2.97	0.89	0.14
10.60	0.82	0.00	0.01	13.20	2.98	0.90	0.13
10.65	0.83	0.00	0.01	13.25	3.00	0.91	0.12
10.70	0.84	0.01	0.01	13.30	3.01	0.92	0.12
10.75	0.85	0.01	0.01	13.35	3.02	0.92	0.12
10.80	0.87	0.01	0.01	13.40	3.03	0.93	0.11
10.85	0.88	0.01	0.01	13.45	3.05	0.94	0.11
10.90	0.89	0.01	0.02	13.50	3.06	0.94	0.10
10.95	0.91	0.01	0.02	13.55	3.07	0.95	0.10
11.00	0.92	0.01	0.02	13.60	3.08	0.96	0.09
11.05	0.94	0.02	0.02	13.65	3.09	0.96	0.09
11.10	0.96	0.02	0.02	13.70	3.09	0.97	0.09
11.15	0.98	0.02	0.03	13.75	3.10	0.97	0.08
11.20	1.00	0.02	0.03	13.80	3.11	0.98	0.08
11.25	1.02	0.03	0.04	13.85	3.12	0.99	0.08
11.30	1.04	0.03	0.04	13.90	3.13	0.99	0.08
11.35	1.06	0.03	0.04	13.95	3.14	1.00	0.08
11.40	1.09	0.04	0.05	14.00	3.15	1.00	0.08
11.45	1.11	0.04	0.06	14.05	3.16	1.01	0.08
11.50	1.14	0.05	0.06	14.10	3.16	1.01	0.08
11.55	1.18	0.06	0.07	14.15	3.17	1.02	0.07
11.60	1.22	0.07	0.09	14.20	3.18	1.02	0.07
11.65	1.26	0.08	0.11	14.25	3.19	1.03	0.07
11.70	1.30	0.09	0.12	14.30	3.20	1.03	0.07
11.75	1.35	0.10	0.14	14.35	3.20	1.04	0.07
11.80	1.41	0.12	0.17	14.40	3.21	1.04	0.07
11.85	1.49	0.14	0.21	14.45	3.22	1.05	0.07
11.90	1.57	0.17	0.27	14.50	3.23	1.05	0.07
11.95	1.70	0.22	0.34	14.55	3.23	1.06	0.07
12.00	1.83	0.28	0.49	14.60	3.24	1.06	0.06
12.05	2.06	0.38	0.68	14.65	3.25	1.07	0.06
12.10	2.28	0.49	0.98	14.70	3.25	1.07	0.06
12.15	2.36	0.53	**1.21**	14.75	3.26	1.08	0.06
12.20	2.44	0.57	1.04	14.80	3.26	1.08	0.06
12.25	2.50	0.61	0.77	14.85	3.27	1.08	0.06
12.30	2.55	0.64	0.60	14.90	3.28	1.09	0.06
12.35	2.59	0.66	0.49	14.95	3.28	1.09	0.06
12.40	2.63	0.69	0.41	15.00	3.29	1.10	0.05
12.45	2.67	0.71	0.36	15.05	3.29	1.10	0.05
12.50	2.71	0.73	0.33	15.10	3.30	1.10	0.05
12.55	2.74	0.75	0.31	15.15	3.30	1.11	0.05
12.60	2.76	0.76	0.27	15.20	3.31	1.11	0.05
12.65	2.79	0.78	0.23	15.25	3.31	1.11	0.05
12.70	2.81	0.79	0.21	15.30	3.32	1.12	0.05
12.75	2.83	0.80	0.20	15.35	3.32	1.12	0.05
12.80	2.85	0.82	0.19	15.40	3.33	1.12	0.05
12.85	2.87	0.83	0.18	15.45	3.34	1.13	0.05
12.90	2.89	0.84	0.18	15.50	3.34	1.13	0.05
12.95	2.91	0.85	0.17	15.55	3.35	1.13	0.05

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	1.14	0.05	18.20	3.56	1.28	0.03
15.65	3.36	1.14	0.05	18.25	3.56	1.28	0.03
15.70	3.36	1.14	0.05	18.30	3.56	1.28	0.03
15.75	3.36	1.15	0.05	18.35	3.57	1.29	0.03
15.80	3.37	1.15	0.05	18.40	3.57	1.29	0.03
15.85	3.37	1.15	0.05	18.45	3.57	1.29	0.03
15.90	3.38	1.16	0.04	18.50	3.58	1.29	0.03
15.95	3.38	1.16	0.04	18.55	3.58	1.29	0.03
16.00	3.39	1.16	0.04	18.60	3.58	1.30	0.03
16.05	3.39	1.17	0.04	18.65	3.58	1.30	0.03
16.10	3.40	1.17	0.04	18.70	3.59	1.30	0.03
16.15	3.40	1.17	0.04	18.75	3.59	1.30	0.03
16.20	3.41	1.18	0.04	18.80	3.59	1.30	0.03
16.25	3.41	1.18	0.04	18.85	3.60	1.31	0.03
16.30	3.42	1.18	0.04	18.90	3.60	1.31	0.03
16.35	3.42	1.19	0.04	18.95	3.60	1.31	0.03
16.40	3.42	1.19	0.04	19.00	3.61	1.31	0.03
16.45	3.43	1.19	0.04	19.05	3.61	1.32	0.03
16.50	3.43	1.19	0.04	19.10	3.61	1.32	0.03
16.55	3.44	1.20	0.04	19.15	3.61	1.32	0.03
16.60	3.44	1.20	0.04	19.20	3.62	1.32	0.03
16.65	3.45	1.20	0.04	19.25	3.62	1.32	0.03
16.70	3.45	1.21	0.04	19.30	3.62	1.33	0.03
16.75	3.45	1.21	0.04	19.35	3.63	1.33	0.03
16.80	3.46	1.21	0.04	19.40	3.63	1.33	0.03
16.85	3.46	1.21	0.04	19.45	3.63	1.33	0.03
16.90	3.47	1.22	0.04	19.50	3.63	1.33	0.03
16.95	3.47	1.22	0.04	19.55	3.64	1.34	0.03
17.00	3.47	1.22	0.04	19.60	3.64	1.34	0.03
17.05	3.48	1.22	0.04	19.65	3.64	1.34	0.03
17.10	3.48	1.23	0.04	19.70	3.65	1.34	0.03
17.15	3.49	1.23	0.04	19.75	3.65	1.34	0.03
17.20	3.49	1.23	0.04	19.80	3.65	1.34	0.03
17.25	3.49	1.24	0.04	19.85	3.65	1.35	0.03
17.30	3.50	1.24	0.04	19.90	3.66	1.35	0.03
17.35	3.50	1.24	0.04	19.95	3.66	1.35	0.03
17.40	3.50	1.24	0.03	20.00	3.66	1.35	0.03
17.45	3.51	1.25	0.03	20.05	3.66	1.35	0.03
17.50	3.51	1.25	0.03	20.10	3.67	1.36	0.03
17.55	3.52	1.25	0.03	20.15	3.67	1.36	0.03
17.60	3.52	1.25	0.03	20.20	3.67	1.36	0.03
17.65	3.52	1.26	0.03	20.25	3.68	1.36	0.03
17.70	3.53	1.26	0.03	20.30	3.68	1.36	0.03
17.75	3.53	1.26	0.03	20.35	3.68	1.37	0.03
17.80	3.53	1.26	0.03	20.40	3.68	1.37	0.03
17.85	3.54	1.26	0.03	20.45	3.69	1.37	0.03
17.90	3.54	1.27	0.03	20.50	3.69	1.37	0.03
17.95	3.54	1.27	0.03	20.55	3.69	1.37	0.03
18.00	3.54	1.27	0.03	20.60	3.69	1.38	0.03
18.05	3.55	1.27	0.03	20.65	3.70	1.38	0.03
18.10	3.55	1.28	0.03	20.70	3.70	1.38	0.03
18.15	3.55	1.28	0.03	20.75	3.70	1.38	0.03

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	1.38	0.03	23.40	3.82	1.47	0.02
20.85	3.71	1.38	0.03	23.45	3.83	1.47	0.02
20.90	3.71	1.39	0.03	23.50	3.83	1.47	0.02
20.95	3.71	1.39	0.02	23.55	3.83	1.47	0.02
21.00	3.71	1.39	0.02	23.60	3.83	1.47	0.02
21.05	3.72	1.39	0.02	23.65	3.84	1.48	0.02
21.10	3.72	1.39	0.02	23.70	3.84	1.48	0.02
21.15	3.72	1.40	0.02	23.75	3.84	1.48	0.02
21.20	3.72	1.40	0.02	23.80	3.84	1.48	0.02
21.25	3.73	1.40	0.02	23.85	3.84	1.48	0.02
21.30	3.73	1.40	0.02	23.90	3.85	1.48	0.02
21.35	3.73	1.40	0.02	23.95	3.85	1.49	0.02
21.40	3.73	1.40	0.02	24.00	**3.85**	**1.49**	0.02
21.45	3.74	1.41	0.02	24.05	3.85	1.49	0.02
21.50	3.74	1.41	0.02	24.10	3.85	1.49	0.01
21.55	3.74	1.41	0.02	24.15	3.85	1.49	0.01
21.60	3.74	1.41	0.02	24.20	3.85	1.49	0.00
21.65	3.75	1.41	0.02	24.25	3.85	1.49	0.00
21.70	3.75	1.41	0.02	24.30	3.85	1.49	0.00
21.75	3.75	1.42	0.02	24.35	3.85	1.49	0.00
21.80	3.75	1.42	0.02	24.40	3.85	1.49	0.00
21.85	3.76	1.42	0.02	24.45	3.85	1.49	0.00
21.90	3.76	1.42	0.02	24.50	3.85	1.49	0.00
21.95	3.76	1.42	0.02	24.55	3.85	1.49	0.00
22.00	3.76	1.42	0.02	24.60	3.85	1.49	0.00
22.05	3.77	1.43	0.02	24.65	3.85	1.49	0.00
22.10	3.77	1.43	0.02	24.70	3.85	1.49	0.00
22.15	3.77	1.43	0.02	24.75	3.85	1.49	0.00
22.20	3.77	1.43	0.02	24.80	3.85	1.49	0.00
22.25	3.77	1.43	0.02	24.85	3.85	1.49	0.00
22.30	3.78	1.43	0.02	24.90	3.85	1.49	0.00
22.35	3.78	1.44	0.02	24.95	3.85	1.49	0.00
22.40	3.78	1.44	0.02	25.00	3.85	1.49	0.00
22.45	3.78	1.44	0.02	25.05	3.85	1.49	0.00
22.50	3.79	1.44	0.02	25.10	3.85	1.49	0.00
22.55	3.79	1.44	0.02	25.15	3.85	1.49	0.00
22.60	3.79	1.44	0.02	25.20	3.85	1.49	0.00
22.65	3.79	1.45	0.02	25.25	3.85	1.49	0.00
22.70	3.79	1.45	0.02	25.30	3.85	1.49	0.00
22.75	3.80	1.45	0.02	25.35	3.85	1.49	0.00
22.80	3.80	1.45	0.02	25.40	3.85	1.49	0.00
22.85	3.80	1.45	0.02	25.45	3.85	1.49	0.00
22.90	3.80	1.45	0.02	25.50	3.85	1.49	0.00
22.95	3.81	1.46	0.02	25.55	3.85	1.49	0.00
23.00	3.81	1.46	0.02	25.60	3.85	1.49	0.00
23.05	3.81	1.46	0.02	25.65	3.85	1.49	0.00
23.10	3.81	1.46	0.02	25.70	3.85	1.49	0.00
23.15	3.81	1.46	0.02	25.75	3.85	1.49	0.00
23.20	3.82	1.46	0.02	25.80	3.85	1.49	0.00
23.25	3.82	1.46	0.02	25.85	3.85	1.49	0.00
23.30	3.82	1.47	0.02	25.90	3.85	1.49	0.00
23.35	3.82	1.47	0.02	25.95	3.85	1.49	0.00

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.49	0.00	28.60	3.85	1.49	0.00
26.05	3.85	1.49	0.00	28.65	3.85	1.49	0.00
26.10	3.85	1.49	0.00	28.70	3.85	1.49	0.00
26.15	3.85	1.49	0.00	28.75	3.85	1.49	0.00
26.20	3.85	1.49	0.00	28.80	3.85	1.49	0.00
26.25	3.85	1.49	0.00	28.85	3.85	1.49	0.00
26.30	3.85	1.49	0.00	28.90	3.85	1.49	0.00
26.35	3.85	1.49	0.00	28.95	3.85	1.49	0.00
26.40	3.85	1.49	0.00	29.00	3.85	1.49	0.00
26.45	3.85	1.49	0.00	29.05	3.85	1.49	0.00
26.50	3.85	1.49	0.00	29.10	3.85	1.49	0.00
26.55	3.85	1.49	0.00	29.15	3.85	1.49	0.00
26.60	3.85	1.49	0.00	29.20	3.85	1.49	0.00
26.65	3.85	1.49	0.00	29.25	3.85	1.49	0.00
26.70	3.85	1.49	0.00	29.30	3.85	1.49	0.00
26.75	3.85	1.49	0.00	29.35	3.85	1.49	0.00
26.80	3.85	1.49	0.00	29.40	3.85	1.49	0.00
26.85	3.85	1.49	0.00	29.45	3.85	1.49	0.00
26.90	3.85	1.49	0.00	29.50	3.85	1.49	0.00
26.95	3.85	1.49	0.00	29.55	3.85	1.49	0.00
27.00	3.85	1.49	0.00	29.60	3.85	1.49	0.00
27.05	3.85	1.49	0.00	29.65	3.85	1.49	0.00
27.10	3.85	1.49	0.00	29.70	3.85	1.49	0.00
27.15	3.85	1.49	0.00	29.75	3.85	1.49	0.00
27.20	3.85	1.49	0.00	29.80	3.85	1.49	0.00
27.25	3.85	1.49	0.00	29.85	3.85	1.49	0.00
27.30	3.85	1.49	0.00	29.90	3.85	1.49	0.00
27.35	3.85	1.49	0.00	29.95	3.85	1.49	0.00
27.40	3.85	1.49	0.00	30.00	3.85	1.49	0.00
27.45	3.85	1.49	0.00	30.05	3.85	1.49	0.00
27.50	3.85	1.49	0.00	30.10	3.85	1.49	0.00
27.55	3.85	1.49	0.00	30.15	3.85	1.49	0.00
27.60	3.85	1.49	0.00	30.20	3.85	1.49	0.00
27.65	3.85	1.49	0.00	30.25	3.85	1.49	0.00
27.70	3.85	1.49	0.00	30.30	3.85	1.49	0.00
27.75	3.85	1.49	0.00	30.35	3.85	1.49	0.00
27.80	3.85	1.49	0.00	30.40	3.85	1.49	0.00
27.85	3.85	1.49	0.00	30.45	3.85	1.49	0.00
27.90	3.85	1.49	0.00	30.50	3.85	1.49	0.00
27.95	3.85	1.49	0.00	30.55	3.85	1.49	0.00
28.00	3.85	1.49	0.00	30.60	3.85	1.49	0.00
28.05	3.85	1.49	0.00	30.65	3.85	1.49	0.00
28.10	3.85	1.49	0.00	30.70	3.85	1.49	0.00
28.15	3.85	1.49	0.00	30.75	3.85	1.49	0.00
28.20	3.85	1.49	0.00	30.80	3.85	1.49	0.00
28.25	3.85	1.49	0.00	30.85	3.85	1.49	0.00
28.30	3.85	1.49	0.00	30.90	3.85	1.49	0.00
28.35	3.85	1.49	0.00	30.95	3.85	1.49	0.00
28.40	3.85	1.49	0.00	31.00	3.85	1.49	0.00
28.45	3.85	1.49	0.00	31.05	3.85	1.49	0.00
28.50	3.85	1.49	0.00	31.10	3.85	1.49	0.00
28.55	3.85	1.49	0.00	31.15	3.85	1.49	0.00

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.49	0.00	33.80	3.85	1.49	0.00
31.25	3.85	1.49	0.00	33.85	3.85	1.49	0.00
31.30	3.85	1.49	0.00	33.90	3.85	1.49	0.00
31.35	3.85	1.49	0.00	33.95	3.85	1.49	0.00
31.40	3.85	1.49	0.00	34.00	3.85	1.49	0.00
31.45	3.85	1.49	0.00	34.05	3.85	1.49	0.00
31.50	3.85	1.49	0.00	34.10	3.85	1.49	0.00
31.55	3.85	1.49	0.00	34.15	3.85	1.49	0.00
31.60	3.85	1.49	0.00	34.20	3.85	1.49	0.00
31.65	3.85	1.49	0.00	34.25	3.85	1.49	0.00
31.70	3.85	1.49	0.00	34.30	3.85	1.49	0.00
31.75	3.85	1.49	0.00	34.35	3.85	1.49	0.00
31.80	3.85	1.49	0.00	34.40	3.85	1.49	0.00
31.85	3.85	1.49	0.00	34.45	3.85	1.49	0.00
31.90	3.85	1.49	0.00	34.50	3.85	1.49	0.00
31.95	3.85	1.49	0.00	34.55	3.85	1.49	0.00
32.00	3.85	1.49	0.00	34.60	3.85	1.49	0.00
32.05	3.85	1.49	0.00	34.65	3.85	1.49	0.00
32.10	3.85	1.49	0.00	34.70	3.85	1.49	0.00
32.15	3.85	1.49	0.00	34.75	3.85	1.49	0.00
32.20	3.85	1.49	0.00	34.80	3.85	1.49	0.00
32.25	3.85	1.49	0.00	34.85	3.85	1.49	0.00
32.30	3.85	1.49	0.00	34.90	3.85	1.49	0.00
32.35	3.85	1.49	0.00	34.95	3.85	1.49	0.00
32.40	3.85	1.49	0.00	35.00	3.85	1.49	0.00
32.45	3.85	1.49	0.00	35.05	3.85	1.49	0.00
32.50	3.85	1.49	0.00	35.10	3.85	1.49	0.00
32.55	3.85	1.49	0.00	35.15	3.85	1.49	0.00
32.60	3.85	1.49	0.00	35.20	3.85	1.49	0.00
32.65	3.85	1.49	0.00	35.25	3.85	1.49	0.00
32.70	3.85	1.49	0.00	35.30	3.85	1.49	0.00
32.75	3.85	1.49	0.00	35.35	3.85	1.49	0.00
32.80	3.85	1.49	0.00	35.40	3.85	1.49	0.00
32.85	3.85	1.49	0.00	35.45	3.85	1.49	0.00
32.90	3.85	1.49	0.00	35.50	3.85	1.49	0.00
32.95	3.85	1.49	0.00	35.55	3.85	1.49	0.00
33.00	3.85	1.49	0.00	35.60	3.85	1.49	0.00
33.05	3.85	1.49	0.00	35.65	3.85	1.49	0.00
33.10	3.85	1.49	0.00	35.70	3.85	1.49	0.00
33.15	3.85	1.49	0.00	35.75	3.85	1.49	0.00
33.20	3.85	1.49	0.00	35.80	3.85	1.49	0.00
33.25	3.85	1.49	0.00	35.85	3.85	1.49	0.00
33.30	3.85	1.49	0.00	35.90	3.85	1.49	0.00
33.35	3.85	1.49	0.00	35.95	3.85	1.49	0.00
33.40	3.85	1.49	0.00	36.00	3.85	1.49	0.00
33.45	3.85	1.49	0.00	36.05	3.85	1.49	0.00
33.50	3.85	1.49	0.00	36.10	3.85	1.49	0.00
33.55	3.85	1.49	0.00	36.15	3.85	1.49	0.00
33.60	3.85	1.49	0.00	36.20	3.85	1.49	0.00
33.65	3.85	1.49	0.00	36.25	3.85	1.49	0.00
33.70	3.85	1.49	0.00	36.30	3.85	1.49	0.00
33.75	3.85	1.49	0.00	36.35	3.85	1.49	0.00

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.49	0.00
36.45	3.85	1.49	0.00
36.50	3.85	1.49	0.00
36.55	3.85	1.49	0.00
36.60	3.85	1.49	0.00
36.65	3.85	1.49	0.00
36.70	3.85	1.49	0.00
36.75	3.85	1.49	0.00
36.80	3.85	1.49	0.00
36.85	3.85	1.49	0.00
36.90	3.85	1.49	0.00
36.95	3.85	1.49	0.00
37.00	3.85	1.49	0.00
37.05	3.85	1.49	0.00
37.10	3.85	1.49	0.00
37.15	3.85	1.49	0.00
37.20	3.85	1.49	0.00
37.25	3.85	1.49	0.00
37.30	3.85	1.49	0.00
37.35	3.85	1.49	0.00
37.40	3.85	1.49	0.00
37.45	3.85	1.49	0.00
37.50	3.85	1.49	0.00
37.55	3.85	1.49	0.00
37.60	3.85	1.49	0.00
37.65	3.85	1.49	0.00
37.70	3.85	1.49	0.00
37.75	3.85	1.49	0.00
37.80	3.85	1.49	0.00
37.85	3.85	1.49	0.00
37.90	3.85	1.49	0.00
37.95	3.85	1.49	0.00
38.00	3.85	1.49	0.00
38.05	3.85	1.49	0.00
38.10	3.85	1.49	0.00
38.15	3.85	1.49	0.00
38.20	3.85	1.49	0.00
38.25	3.85	1.49	0.00
38.30	3.85	1.49	0.00
38.35	3.85	1.49	0.00
38.40	3.85	1.49	0.00
38.45	3.85	1.49	0.00
38.50	3.85	1.49	0.00
38.55	3.85	1.49	0.00
38.60	3.85	1.49	0.00
38.65	3.85	1.49	0.00
38.70	3.85	1.49	0.00
38.75	3.85	1.49	0.00
38.80	3.85	1.49	0.00
38.85	3.85	1.49	0.00
38.90	3.85	1.49	0.00
38.95	3.85	1.49	0.00
39.00	3.85	1.49	0.00
39.05	3.85	1.49	0.00
39.10	3.85	1.49	0.00
39.15	3.85	1.49	0.00
39.20	3.85	1.49	0.00
39.25	3.85	1.49	0.00
39.30	3.85	1.49	0.00
39.35	3.85	1.49	0.00
39.40	3.85	1.49	0.00
39.45	3.85	1.49	0.00
39.50	3.85	1.49	0.00
39.55	3.85	1.49	0.00
39.60	3.85	1.49	0.00
39.65	3.85	1.49	0.00
39.70	3.85	1.49	0.00
39.75	3.85	1.49	0.00
39.80	3.85	1.49	0.00
39.85	3.85	1.49	0.00
39.90	3.85	1.49	0.00
39.95	3.85	1.49	0.00
40.00	3.85	1.49	0.00

Summary for Subcatchment 52l: PDA-52 (impervious)

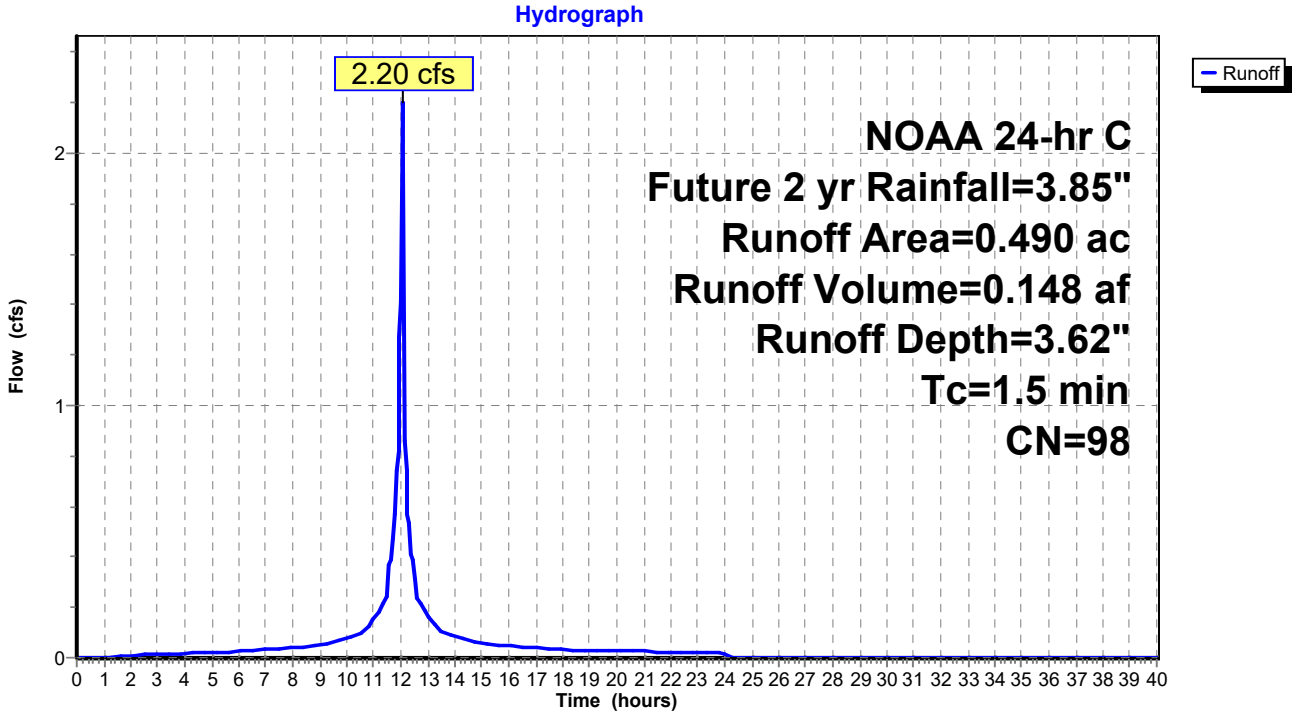
Runoff = 2.20 cfs @ 12.07 hrs, Volume= 0.148 af, Depth= 3.62"
Routed to Pond B-52 : Basin #52

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

	Area (ac)	CN	Description
*	0.118	98	Pavement, HSG C
*	0.339	98	Roof, HSG C
*	0.033	98	Concrete, HSG C
	0.490	98	Weighted Average
	0.490		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.5					**Direct Entry,**

Subcatchment 52l: PDA-52 (impervious)



Hydrograph for Subcatchment 52I: PDA-52 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.02	0.01
0.05	0.00	0.00	0.00	2.65	0.12	0.02	0.01
0.10	0.00	0.00	0.00	2.70	0.12	0.02	0.01
0.15	0.01	0.00	0.00	2.75	0.12	0.02	0.01
0.20	0.01	0.00	0.00	2.80	0.13	0.02	0.01
0.25	0.01	0.00	0.00	2.85	0.13	0.03	0.01
0.30	0.01	0.00	0.00	2.90	0.13	0.03	0.01
0.35	0.01	0.00	0.00	2.95	0.13	0.03	0.01
0.40	0.02	0.00	0.00	3.00	0.14	0.03	0.01
0.45	0.02	0.00	0.00	3.05	0.14	0.03	0.01
0.50	0.02	0.00	0.00	3.10	0.14	0.03	0.01
0.55	0.02	0.00	0.00	3.15	0.14	0.03	0.01
0.60	0.03	0.00	0.00	3.20	0.15	0.04	0.01
0.65	0.03	0.00	0.00	3.25	0.15	0.04	0.01
0.70	0.03	0.00	0.00	3.30	0.15	0.04	0.01
0.75	0.03	0.00	0.00	3.35	0.15	0.04	0.01
0.80	0.03	0.00	0.00	3.40	0.16	0.04	0.02
0.85	0.04	0.00	0.00	3.45	0.16	0.04	0.02
0.90	0.04	0.00	0.00	3.50	0.16	0.04	0.02
0.95	0.04	0.00	0.00	3.55	0.16	0.05	0.02
1.00	0.04	0.00	0.00	3.60	0.17	0.05	0.02
1.05	0.04	0.00	0.00	3.65	0.17	0.05	0.02
1.10	0.05	0.00	0.00	3.70	0.17	0.05	0.02
1.15	0.05	0.00	0.00	3.75	0.17	0.05	0.02
1.20	0.05	0.00	0.00	3.80	0.18	0.05	0.02
1.25	0.05	0.00	0.00	3.85	0.18	0.06	0.02
1.30	0.06	0.00	0.00	3.90	0.18	0.06	0.02
1.35	0.06	0.00	0.00	3.95	0.19	0.06	0.02
1.40	0.06	0.00	0.00	4.00	0.19	0.06	0.02
1.45	0.06	0.00	0.00	4.05	0.19	0.06	0.02
1.50	0.06	0.00	0.00	4.10	0.19	0.07	0.02
1.55	0.07	0.00	0.00	4.15	0.20	0.07	0.02
1.60	0.07	0.00	0.00	4.20	0.20	0.07	0.02
1.65	0.07	0.00	0.01	4.25	0.20	0.07	0.02
1.70	0.07	0.00	0.01	4.30	0.20	0.07	0.02
1.75	0.08	0.01	0.01	4.35	0.21	0.08	0.02
1.80	0.08	0.01	0.01	4.40	0.21	0.08	0.02
1.85	0.08	0.01	0.01	4.45	0.21	0.08	0.02
1.90	0.08	0.01	0.01	4.50	0.22	0.08	0.02
1.95	0.08	0.01	0.01	4.55	0.22	0.08	0.02
2.00	0.09	0.01	0.01	4.60	0.22	0.09	0.02
2.05	0.09	0.01	0.01	4.65	0.22	0.09	0.02
2.10	0.09	0.01	0.01	4.70	0.23	0.09	0.02
2.15	0.09	0.01	0.01	4.75	0.23	0.09	0.02
2.20	0.10	0.01	0.01	4.80	0.23	0.09	0.02
2.25	0.10	0.01	0.01	4.85	0.24	0.10	0.02
2.30	0.10	0.01	0.01	4.90	0.24	0.10	0.02
2.35	0.10	0.01	0.01	4.95	0.24	0.10	0.02
2.40	0.11	0.02	0.01	5.00	0.24	0.10	0.02
2.45	0.11	0.02	0.01	5.05	0.25	0.10	0.02
2.50	0.11	0.02	0.01	5.10	0.25	0.11	0.02
2.55	0.11	0.02	0.01	5.15	0.25	0.11	0.02

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.11	0.02	7.80	0.44	0.27	0.04
5.25	0.26	0.11	0.02	7.85	0.45	0.27	0.04
5.30	0.26	0.12	0.02	7.90	0.45	0.27	0.04
5.35	0.27	0.12	0.02	7.95	0.46	0.28	0.04
5.40	0.27	0.12	0.02	8.00	0.46	0.28	0.04
5.45	0.27	0.12	0.02	8.05	0.47	0.29	0.04
5.50	0.27	0.12	0.02	8.10	0.47	0.29	0.04
5.55	0.28	0.13	0.02	8.15	0.48	0.30	0.04
5.60	0.28	0.13	0.02	8.20	0.48	0.30	0.04
5.65	0.28	0.13	0.02	8.25	0.49	0.30	0.04
5.70	0.29	0.13	0.02	8.30	0.49	0.31	0.04
5.75	0.29	0.14	0.02	8.35	0.49	0.31	0.04
5.80	0.29	0.14	0.02	8.40	0.50	0.32	0.04
5.85	0.30	0.14	0.02	8.45	0.50	0.32	0.04
5.90	0.30	0.14	0.02	8.50	0.51	0.33	0.05
5.95	0.30	0.15	0.02	8.55	0.51	0.33	0.05
6.00	0.31	0.15	0.02	8.60	0.52	0.34	0.05
6.05	0.31	0.15	0.03	8.65	0.53	0.34	0.05
6.10	0.31	0.15	0.03	8.70	0.53	0.35	0.05
6.15	0.31	0.16	0.03	8.75	0.54	0.35	0.05
6.20	0.32	0.16	0.03	8.80	0.54	0.36	0.05
6.25	0.32	0.16	0.03	8.85	0.55	0.36	0.05
6.30	0.32	0.17	0.03	8.90	0.55	0.36	0.05
6.35	0.33	0.17	0.03	8.95	0.56	0.37	0.05
6.40	0.33	0.17	0.03	9.00	0.56	0.37	0.05
6.45	0.33	0.17	0.03	9.05	0.57	0.38	0.05
6.50	0.34	0.18	0.03	9.10	0.57	0.39	0.05
6.55	0.34	0.18	0.03	9.15	0.58	0.39	0.05
6.60	0.35	0.18	0.03	9.20	0.59	0.40	0.05
6.65	0.35	0.19	0.03	9.25	0.59	0.40	0.06
6.70	0.35	0.19	0.03	9.30	0.60	0.41	0.06
6.75	0.36	0.19	0.03	9.35	0.60	0.41	0.06
6.80	0.36	0.19	0.03	9.40	0.61	0.42	0.06
6.85	0.36	0.20	0.03	9.45	0.62	0.43	0.06
6.90	0.37	0.20	0.03	9.50	0.62	0.43	0.06
6.95	0.37	0.20	0.03	9.55	0.63	0.44	0.07
7.00	0.38	0.21	0.03	9.60	0.64	0.45	0.07
7.05	0.38	0.21	0.03	9.65	0.65	0.45	0.07
7.10	0.38	0.21	0.03	9.70	0.65	0.46	0.07
7.15	0.39	0.22	0.03	9.75	0.66	0.47	0.07
7.20	0.39	0.22	0.03	9.80	0.67	0.47	0.07
7.25	0.40	0.23	0.03	9.85	0.68	0.48	0.07
7.30	0.40	0.23	0.04	9.90	0.69	0.49	0.07
7.35	0.40	0.23	0.04	9.95	0.69	0.50	0.08
7.40	0.41	0.24	0.04	10.00	0.70	0.51	0.08
7.45	0.41	0.24	0.04	10.05	0.71	0.51	0.08
7.50	0.42	0.24	0.04	10.10	0.72	0.52	0.08
7.55	0.42	0.25	0.04	10.15	0.73	0.53	0.08
7.60	0.43	0.25	0.04	10.20	0.74	0.54	0.08
7.65	0.43	0.25	0.04	10.25	0.75	0.55	0.09
7.70	0.43	0.26	0.04	10.30	0.76	0.56	0.09
7.75	0.44	0.26	0.04	10.35	0.76	0.56	0.09

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.57	0.09	13.00	2.93	2.69	0.17
10.45	0.78	0.58	0.09	13.05	2.94	2.71	0.15
10.50	0.79	0.59	0.09	13.10	2.96	2.73	0.15
10.55	0.80	0.60	0.10	13.15	2.97	2.74	0.14
10.60	0.82	0.61	0.10	13.20	2.98	2.75	0.14
10.65	0.83	0.62	0.11	13.25	3.00	2.77	0.13
10.70	0.84	0.64	0.11	13.30	3.01	2.78	0.13
10.75	0.85	0.65	0.12	13.35	3.02	2.79	0.12
10.80	0.87	0.66	0.12	13.40	3.03	2.80	0.12
10.85	0.88	0.67	0.13	13.45	3.05	2.81	0.11
10.90	0.89	0.69	0.14	13.50	3.06	2.82	0.11
10.95	0.91	0.70	0.14	13.55	3.07	2.83	0.10
11.00	0.92	0.72	0.15	13.60	3.08	2.84	0.10
11.05	0.94	0.73	0.16	13.65	3.09	2.85	0.09
11.10	0.96	0.75	0.17	13.70	3.09	2.86	0.09
11.15	0.98	0.77	0.18	13.75	3.10	2.87	0.09
11.20	1.00	0.79	0.19	13.80	3.11	2.88	0.09
11.25	1.02	0.81	0.20	13.85	3.12	2.89	0.09
11.30	1.04	0.83	0.21	13.90	3.13	2.90	0.09
11.35	1.06	0.85	0.22	13.95	3.14	2.91	0.08
11.40	1.09	0.88	0.23	14.00	3.15	2.92	0.08
11.45	1.11	0.90	0.24	14.05	3.16	2.92	0.08
11.50	1.14	0.92	0.26	14.10	3.16	2.93	0.08
11.55	1.18	0.96	0.37	14.15	3.17	2.94	0.08
11.60	1.22	1.00	0.38	14.20	3.18	2.95	0.08
11.65	1.26	1.04	0.39	14.25	3.19	2.96	0.08
11.70	1.30	1.08	0.41	14.30	3.20	2.96	0.08
11.75	1.35	1.14	0.53	14.35	3.20	2.97	0.07
11.80	1.41	1.19	0.57	14.40	3.21	2.98	0.07
11.85	1.49	1.27	0.74	14.45	3.22	2.99	0.07
11.90	1.57	1.34	0.82	14.50	3.23	2.99	0.07
11.95	1.70	1.48	1.27	14.55	3.23	3.00	0.07
12.00	1.83	1.61	1.41	14.60	3.24	3.01	0.07
12.05	2.06	1.83	**2.14**	14.65	3.25	3.01	0.06
12.10	2.28	2.06	2.05	14.70	3.25	3.02	0.06
12.15	2.36	2.13	0.86	14.75	3.26	3.03	0.06
12.20	2.44	2.21	0.74	14.80	3.26	3.03	0.06
12.25	2.50	2.27	0.57	14.85	3.27	3.04	0.06
12.30	2.55	2.32	0.54	14.90	3.28	3.04	0.06
12.35	2.59	2.36	0.41	14.95	3.28	3.05	0.06
12.40	2.63	2.40	0.40	15.00	3.29	3.05	0.06
12.45	2.67	2.44	0.38	15.05	3.29	3.06	0.05
12.50	2.71	2.48	0.37	15.10	3.30	3.07	0.05
12.55	2.74	2.51	0.26	15.15	3.30	3.07	0.05
12.60	2.76	2.53	0.25	15.20	3.31	3.08	0.05
12.65	2.79	2.56	0.23	15.25	3.31	3.08	0.05
12.70	2.81	2.58	0.23	15.30	3.32	3.09	0.05
12.75	2.83	2.60	0.21	15.35	3.32	3.09	0.05
12.80	2.85	2.62	0.21	15.40	3.33	3.10	0.05
12.85	2.87	2.64	0.19	15.45	3.34	3.10	0.05
12.90	2.89	2.66	0.19	15.50	3.34	3.11	0.05
12.95	2.91	2.68	0.17	15.55	3.35	3.11	0.05

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	3.12	0.05	18.20	3.56	3.32	0.03
15.65	3.36	3.12	0.05	18.25	3.56	3.33	0.03
15.70	3.36	3.13	0.05	18.30	3.56	3.33	0.03
15.75	3.36	3.13	0.05	18.35	3.57	3.33	0.03
15.80	3.37	3.14	0.05	18.40	3.57	3.34	0.03
15.85	3.37	3.14	0.05	18.45	3.57	3.34	0.03
15.90	3.38	3.15	0.05	18.50	3.58	3.34	0.03
15.95	3.38	3.15	0.05	18.55	3.58	3.34	0.03
16.00	3.39	3.16	0.05	18.60	3.58	3.35	0.03
16.05	3.39	3.16	0.05	18.65	3.58	3.35	0.03
16.10	3.40	3.16	0.05	18.70	3.59	3.35	0.03
16.15	3.40	3.17	0.04	18.75	3.59	3.36	0.03
16.20	3.41	3.17	0.04	18.80	3.59	3.36	0.03
16.25	3.41	3.18	0.04	18.85	3.60	3.36	0.03
16.30	3.42	3.18	0.04	18.90	3.60	3.37	0.03
16.35	3.42	3.19	0.04	18.95	3.60	3.37	0.03
16.40	3.42	3.19	0.04	19.00	3.61	3.37	0.03
16.45	3.43	3.20	0.04	19.05	3.61	3.37	0.03
16.50	3.43	3.20	0.04	19.10	3.61	3.38	0.03
16.55	3.44	3.20	0.04	19.15	3.61	3.38	0.03
16.60	3.44	3.21	0.04	19.20	3.62	3.38	0.03
16.65	3.45	3.21	0.04	19.25	3.62	3.39	0.03
16.70	3.45	3.22	0.04	19.30	3.62	3.39	0.03
16.75	3.45	3.22	0.04	19.35	3.63	3.39	0.03
16.80	3.46	3.23	0.04	19.40	3.63	3.39	0.03
16.85	3.46	3.23	0.04	19.45	3.63	3.40	0.03
16.90	3.47	3.23	0.04	19.50	3.63	3.40	0.03
16.95	3.47	3.24	0.04	19.55	3.64	3.40	0.03
17.00	3.47	3.24	0.04	19.60	3.64	3.41	0.03
17.05	3.48	3.24	0.04	19.65	3.64	3.41	0.03
17.10	3.48	3.25	0.04	19.70	3.65	3.41	0.03
17.15	3.49	3.25	0.04	19.75	3.65	3.41	0.03
17.20	3.49	3.26	0.04	19.80	3.65	3.42	0.03
17.25	3.49	3.26	0.04	19.85	3.65	3.42	0.03
17.30	3.50	3.26	0.04	19.90	3.66	3.42	0.03
17.35	3.50	3.27	0.04	19.95	3.66	3.42	0.03
17.40	3.50	3.27	0.04	20.00	3.66	3.43	0.03
17.45	3.51	3.27	0.04	20.05	3.66	3.43	0.03
17.50	3.51	3.28	0.04	20.10	3.67	3.43	0.03
17.55	3.52	3.28	0.03	20.15	3.67	3.44	0.03
17.60	3.52	3.28	0.03	20.20	3.67	3.44	0.03
17.65	3.52	3.29	0.03	20.25	3.68	3.44	0.03
17.70	3.53	3.29	0.03	20.30	3.68	3.44	0.03
17.75	3.53	3.30	0.03	20.35	3.68	3.45	0.03
17.80	3.53	3.30	0.03	20.40	3.68	3.45	0.03
17.85	3.54	3.30	0.03	20.45	3.69	3.45	0.03
17.90	3.54	3.30	0.03	20.50	3.69	3.45	0.03
17.95	3.54	3.31	0.03	20.55	3.69	3.46	0.03
18.00	3.54	3.31	0.03	20.60	3.69	3.46	0.03
18.05	3.55	3.31	0.03	20.65	3.70	3.46	0.03
18.10	3.55	3.32	0.03	20.70	3.70	3.46	0.03
18.15	3.55	3.32	0.03	20.75	3.70	3.47	0.03

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	3.47	0.03	23.40	3.82	3.59	0.02
20.85	3.71	3.47	0.03	23.45	3.83	3.59	0.02
20.90	3.71	3.47	0.03	23.50	3.83	3.59	0.02
20.95	3.71	3.48	0.03	23.55	3.83	3.60	0.02
21.00	3.71	3.48	0.03	23.60	3.83	3.60	0.02
21.05	3.72	3.48	0.02	23.65	3.84	3.60	0.02
21.10	3.72	3.49	0.02	23.70	3.84	3.60	0.02
21.15	3.72	3.49	0.02	23.75	3.84	3.60	0.02
21.20	3.72	3.49	0.02	23.80	3.84	3.61	0.02
21.25	3.73	3.49	0.02	23.85	3.84	3.61	0.02
21.30	3.73	3.50	0.02	23.90	3.85	3.61	0.02
21.35	3.73	3.50	0.02	23.95	3.85	3.61	0.02
21.40	3.73	3.50	0.02	24.00	**3.85**	**3.62**	0.02
21.45	3.74	3.50	0.02	24.05	3.85	3.62	0.00
21.50	3.74	3.50	0.02	24.10	3.85	3.62	0.00
21.55	3.74	3.51	0.02	24.15	3.85	3.62	0.00
21.60	3.74	3.51	0.02	24.20	3.85	3.62	0.00
21.65	3.75	3.51	0.02	24.25	3.85	3.62	0.00
21.70	3.75	3.51	0.02	24.30	3.85	3.62	0.00
21.75	3.75	3.52	0.02	24.35	3.85	3.62	0.00
21.80	3.75	3.52	0.02	24.40	3.85	3.62	0.00
21.85	3.76	3.52	0.02	24.45	3.85	3.62	0.00
21.90	3.76	3.52	0.02	24.50	3.85	3.62	0.00
21.95	3.76	3.53	0.02	24.55	3.85	3.62	0.00
22.00	3.76	3.53	0.02	24.60	3.85	3.62	0.00
22.05	3.77	3.53	0.02	24.65	3.85	3.62	0.00
22.10	3.77	3.53	0.02	24.70	3.85	3.62	0.00
22.15	3.77	3.54	0.02	24.75	3.85	3.62	0.00
22.20	3.77	3.54	0.02	24.80	3.85	3.62	0.00
22.25	3.77	3.54	0.02	24.85	3.85	3.62	0.00
22.30	3.78	3.54	0.02	24.90	3.85	3.62	0.00
22.35	3.78	3.54	0.02	24.95	3.85	3.62	0.00
22.40	3.78	3.55	0.02	25.00	3.85	3.62	0.00
22.45	3.78	3.55	0.02	25.05	3.85	3.62	0.00
22.50	3.79	3.55	0.02	25.10	3.85	3.62	0.00
22.55	3.79	3.55	0.02	25.15	3.85	3.62	0.00
22.60	3.79	3.56	0.02	25.20	3.85	3.62	0.00
22.65	3.79	3.56	0.02	25.25	3.85	3.62	0.00
22.70	3.79	3.56	0.02	25.30	3.85	3.62	0.00
22.75	3.80	3.56	0.02	25.35	3.85	3.62	0.00
22.80	3.80	3.56	0.02	25.40	3.85	3.62	0.00
22.85	3.80	3.57	0.02	25.45	3.85	3.62	0.00
22.90	3.80	3.57	0.02	25.50	3.85	3.62	0.00
22.95	3.81	3.57	0.02	25.55	3.85	3.62	0.00
23.00	3.81	3.57	0.02	25.60	3.85	3.62	0.00
23.05	3.81	3.58	0.02	25.65	3.85	3.62	0.00
23.10	3.81	3.58	0.02	25.70	3.85	3.62	0.00
23.15	3.81	3.58	0.02	25.75	3.85	3.62	0.00
23.20	3.82	3.58	0.02	25.80	3.85	3.62	0.00
23.25	3.82	3.58	0.02	25.85	3.85	3.62	0.00
23.30	3.82	3.59	0.02	25.90	3.85	3.62	0.00
23.35	3.82	3.59	0.02	25.95	3.85	3.62	0.00

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	3.62	0.00	28.60	3.85	3.62	0.00
26.05	3.85	3.62	0.00	28.65	3.85	3.62	0.00
26.10	3.85	3.62	0.00	28.70	3.85	3.62	0.00
26.15	3.85	3.62	0.00	28.75	3.85	3.62	0.00
26.20	3.85	3.62	0.00	28.80	3.85	3.62	0.00
26.25	3.85	3.62	0.00	28.85	3.85	3.62	0.00
26.30	3.85	3.62	0.00	28.90	3.85	3.62	0.00
26.35	3.85	3.62	0.00	28.95	3.85	3.62	0.00
26.40	3.85	3.62	0.00	29.00	3.85	3.62	0.00
26.45	3.85	3.62	0.00	29.05	3.85	3.62	0.00
26.50	3.85	3.62	0.00	29.10	3.85	3.62	0.00
26.55	3.85	3.62	0.00	29.15	3.85	3.62	0.00
26.60	3.85	3.62	0.00	29.20	3.85	3.62	0.00
26.65	3.85	3.62	0.00	29.25	3.85	3.62	0.00
26.70	3.85	3.62	0.00	29.30	3.85	3.62	0.00
26.75	3.85	3.62	0.00	29.35	3.85	3.62	0.00
26.80	3.85	3.62	0.00	29.40	3.85	3.62	0.00
26.85	3.85	3.62	0.00	29.45	3.85	3.62	0.00
26.90	3.85	3.62	0.00	29.50	3.85	3.62	0.00
26.95	3.85	3.62	0.00	29.55	3.85	3.62	0.00
27.00	3.85	3.62	0.00	29.60	3.85	3.62	0.00
27.05	3.85	3.62	0.00	29.65	3.85	3.62	0.00
27.10	3.85	3.62	0.00	29.70	3.85	3.62	0.00
27.15	3.85	3.62	0.00	29.75	3.85	3.62	0.00
27.20	3.85	3.62	0.00	29.80	3.85	3.62	0.00
27.25	3.85	3.62	0.00	29.85	3.85	3.62	0.00
27.30	3.85	3.62	0.00	29.90	3.85	3.62	0.00
27.35	3.85	3.62	0.00	29.95	3.85	3.62	0.00
27.40	3.85	3.62	0.00	30.00	3.85	3.62	0.00
27.45	3.85	3.62	0.00	30.05	3.85	3.62	0.00
27.50	3.85	3.62	0.00	30.10	3.85	3.62	0.00
27.55	3.85	3.62	0.00	30.15	3.85	3.62	0.00
27.60	3.85	3.62	0.00	30.20	3.85	3.62	0.00
27.65	3.85	3.62	0.00	30.25	3.85	3.62	0.00
27.70	3.85	3.62	0.00	30.30	3.85	3.62	0.00
27.75	3.85	3.62	0.00	30.35	3.85	3.62	0.00
27.80	3.85	3.62	0.00	30.40	3.85	3.62	0.00
27.85	3.85	3.62	0.00	30.45	3.85	3.62	0.00
27.90	3.85	3.62	0.00	30.50	3.85	3.62	0.00
27.95	3.85	3.62	0.00	30.55	3.85	3.62	0.00
28.00	3.85	3.62	0.00	30.60	3.85	3.62	0.00
28.05	3.85	3.62	0.00	30.65	3.85	3.62	0.00
28.10	3.85	3.62	0.00	30.70	3.85	3.62	0.00
28.15	3.85	3.62	0.00	30.75	3.85	3.62	0.00
28.20	3.85	3.62	0.00	30.80	3.85	3.62	0.00
28.25	3.85	3.62	0.00	30.85	3.85	3.62	0.00
28.30	3.85	3.62	0.00	30.90	3.85	3.62	0.00
28.35	3.85	3.62	0.00	30.95	3.85	3.62	0.00
28.40	3.85	3.62	0.00	31.00	3.85	3.62	0.00
28.45	3.85	3.62	0.00	31.05	3.85	3.62	0.00
28.50	3.85	3.62	0.00	31.10	3.85	3.62	0.00
28.55	3.85	3.62	0.00	31.15	3.85	3.62	0.00

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	3.62	0.00	33.80	3.85	3.62	0.00
31.25	3.85	3.62	0.00	33.85	3.85	3.62	0.00
31.30	3.85	3.62	0.00	33.90	3.85	3.62	0.00
31.35	3.85	3.62	0.00	33.95	3.85	3.62	0.00
31.40	3.85	3.62	0.00	34.00	3.85	3.62	0.00
31.45	3.85	3.62	0.00	34.05	3.85	3.62	0.00
31.50	3.85	3.62	0.00	34.10	3.85	3.62	0.00
31.55	3.85	3.62	0.00	34.15	3.85	3.62	0.00
31.60	3.85	3.62	0.00	34.20	3.85	3.62	0.00
31.65	3.85	3.62	0.00	34.25	3.85	3.62	0.00
31.70	3.85	3.62	0.00	34.30	3.85	3.62	0.00
31.75	3.85	3.62	0.00	34.35	3.85	3.62	0.00
31.80	3.85	3.62	0.00	34.40	3.85	3.62	0.00
31.85	3.85	3.62	0.00	34.45	3.85	3.62	0.00
31.90	3.85	3.62	0.00	34.50	3.85	3.62	0.00
31.95	3.85	3.62	0.00	34.55	3.85	3.62	0.00
32.00	3.85	3.62	0.00	34.60	3.85	3.62	0.00
32.05	3.85	3.62	0.00	34.65	3.85	3.62	0.00
32.10	3.85	3.62	0.00	34.70	3.85	3.62	0.00
32.15	3.85	3.62	0.00	34.75	3.85	3.62	0.00
32.20	3.85	3.62	0.00	34.80	3.85	3.62	0.00
32.25	3.85	3.62	0.00	34.85	3.85	3.62	0.00
32.30	3.85	3.62	0.00	34.90	3.85	3.62	0.00
32.35	3.85	3.62	0.00	34.95	3.85	3.62	0.00
32.40	3.85	3.62	0.00	35.00	3.85	3.62	0.00
32.45	3.85	3.62	0.00	35.05	3.85	3.62	0.00
32.50	3.85	3.62	0.00	35.10	3.85	3.62	0.00
32.55	3.85	3.62	0.00	35.15	3.85	3.62	0.00
32.60	3.85	3.62	0.00	35.20	3.85	3.62	0.00
32.65	3.85	3.62	0.00	35.25	3.85	3.62	0.00
32.70	3.85	3.62	0.00	35.30	3.85	3.62	0.00
32.75	3.85	3.62	0.00	35.35	3.85	3.62	0.00
32.80	3.85	3.62	0.00	35.40	3.85	3.62	0.00
32.85	3.85	3.62	0.00	35.45	3.85	3.62	0.00
32.90	3.85	3.62	0.00	35.50	3.85	3.62	0.00
32.95	3.85	3.62	0.00	35.55	3.85	3.62	0.00
33.00	3.85	3.62	0.00	35.60	3.85	3.62	0.00
33.05	3.85	3.62	0.00	35.65	3.85	3.62	0.00
33.10	3.85	3.62	0.00	35.70	3.85	3.62	0.00
33.15	3.85	3.62	0.00	35.75	3.85	3.62	0.00
33.20	3.85	3.62	0.00	35.80	3.85	3.62	0.00
33.25	3.85	3.62	0.00	35.85	3.85	3.62	0.00
33.30	3.85	3.62	0.00	35.90	3.85	3.62	0.00
33.35	3.85	3.62	0.00	35.95	3.85	3.62	0.00
33.40	3.85	3.62	0.00	36.00	3.85	3.62	0.00
33.45	3.85	3.62	0.00	36.05	3.85	3.62	0.00
33.50	3.85	3.62	0.00	36.10	3.85	3.62	0.00
33.55	3.85	3.62	0.00	36.15	3.85	3.62	0.00
33.60	3.85	3.62	0.00	36.20	3.85	3.62	0.00
33.65	3.85	3.62	0.00	36.25	3.85	3.62	0.00
33.70	3.85	3.62	0.00	36.30	3.85	3.62	0.00
33.75	3.85	3.62	0.00	36.35	3.85	3.62	0.00

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	3.62	0.00
36.45	3.85	3.62	0.00
36.50	3.85	3.62	0.00
36.55	3.85	3.62	0.00
36.60	3.85	3.62	0.00
36.65	3.85	3.62	0.00
36.70	3.85	3.62	0.00
36.75	3.85	3.62	0.00
36.80	3.85	3.62	0.00
36.85	3.85	3.62	0.00
36.90	3.85	3.62	0.00
36.95	3.85	3.62	0.00
37.00	3.85	3.62	0.00
37.05	3.85	3.62	0.00
37.10	3.85	3.62	0.00
37.15	3.85	3.62	0.00
37.20	3.85	3.62	0.00
37.25	3.85	3.62	0.00
37.30	3.85	3.62	0.00
37.35	3.85	3.62	0.00
37.40	3.85	3.62	0.00
37.45	3.85	3.62	0.00
37.50	3.85	3.62	0.00
37.55	3.85	3.62	0.00
37.60	3.85	3.62	0.00
37.65	3.85	3.62	0.00
37.70	3.85	3.62	0.00
37.75	3.85	3.62	0.00
37.80	3.85	3.62	0.00
37.85	3.85	3.62	0.00
37.90	3.85	3.62	0.00
37.95	3.85	3.62	0.00
38.00	3.85	3.62	0.00
38.05	3.85	3.62	0.00
38.10	3.85	3.62	0.00
38.15	3.85	3.62	0.00
38.20	3.85	3.62	0.00
38.25	3.85	3.62	0.00
38.30	3.85	3.62	0.00
38.35	3.85	3.62	0.00
38.40	3.85	3.62	0.00
38.45	3.85	3.62	0.00
38.50	3.85	3.62	0.00
38.55	3.85	3.62	0.00
38.60	3.85	3.62	0.00
38.65	3.85	3.62	0.00
38.70	3.85	3.62	0.00
38.75	3.85	3.62	0.00
38.80	3.85	3.62	0.00
38.85	3.85	3.62	0.00
38.90	3.85	3.62	0.00
38.95	3.85	3.62	0.00
39.00	3.85	3.62	0.00
39.05	3.85	3.62	0.00
39.10	3.85	3.62	0.00
39.15	3.85	3.62	0.00
39.20	3.85	3.62	0.00
39.25	3.85	3.62	0.00
39.30	3.85	3.62	0.00
39.35	3.85	3.62	0.00
39.40	3.85	3.62	0.00
39.45	3.85	3.62	0.00
39.50	3.85	3.62	0.00
39.55	3.85	3.62	0.00
39.60	3.85	3.62	0.00
39.65	3.85	3.62	0.00
39.70	3.85	3.62	0.00
39.75	3.85	3.62	0.00
39.80	3.85	3.62	0.00
39.85	3.85	3.62	0.00
39.90	3.85	3.62	0.00
39.95	3.85	3.62	0.00
40.00	3.85	3.62	0.00

Summary for Subcatchment 52P: PDA-52 (pervious)

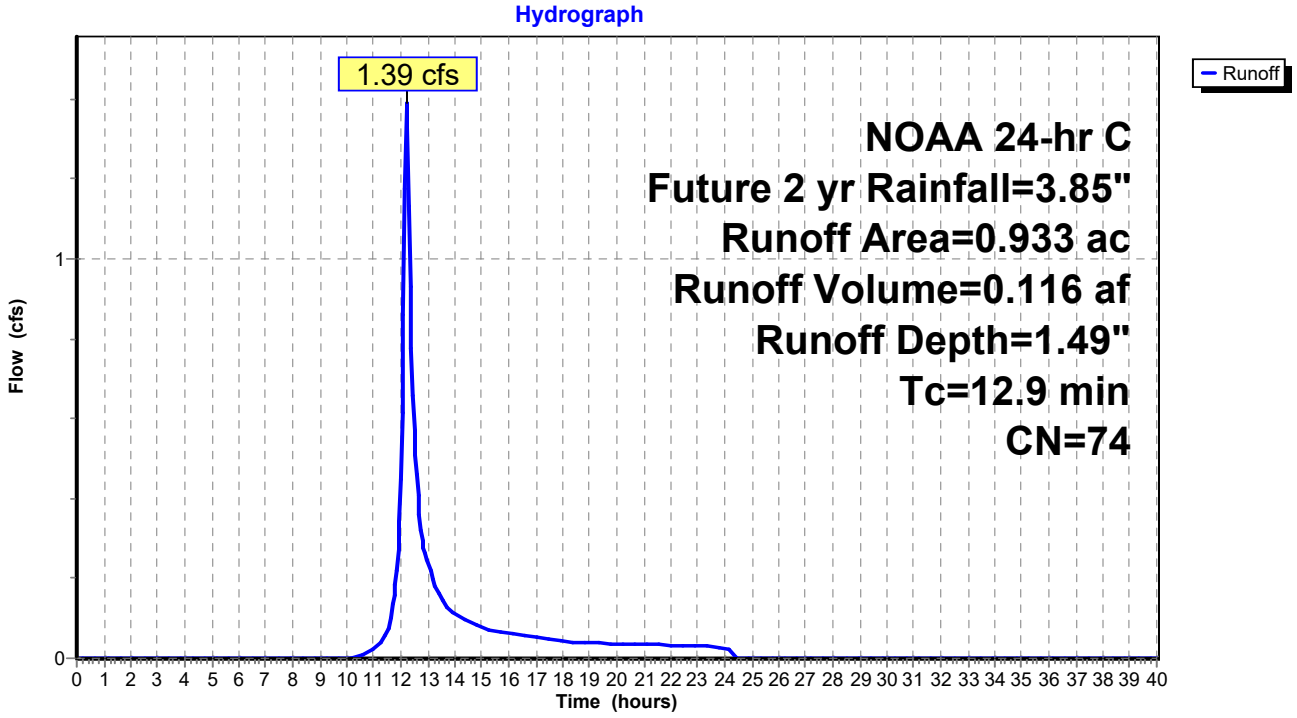
Runoff = 1.39 cfs @ 12.22 hrs, Volume= 0.116 af, Depth= 1.49"
Routed to Pond B-52 : Basin #52

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
0.933	74	>75% Grass cover, Good, HSG C
0.933		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.9					**Direct Entry,**

Subcatchment 52P: PDA-52 (pervious)



Hydrograph for Subcatchment 52P: PDA-52 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.00
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.00

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.00	13.00	2.93	0.86	0.24
10.45	0.78	0.00	0.00	13.05	2.94	0.87	0.23
10.50	0.79	0.00	0.01	13.10	2.96	0.88	0.21
10.55	0.80	0.00	0.01	13.15	2.97	0.89	0.20
10.60	0.82	0.00	0.01	13.20	2.98	0.90	0.19
10.65	0.83	0.00	0.01	13.25	3.00	0.91	0.18
10.70	0.84	0.01	0.01	13.30	3.01	0.92	0.18
10.75	0.85	0.01	0.01	13.35	3.02	0.92	0.17
10.80	0.87	0.01	0.01	13.40	3.03	0.93	0.16
10.85	0.88	0.01	0.02	13.45	3.05	0.94	0.16
10.90	0.89	0.01	0.02	13.50	3.06	0.94	0.15
10.95	0.91	0.01	0.02	13.55	3.07	0.95	0.14
11.00	0.92	0.01	0.02	13.60	3.08	0.96	0.14
11.05	0.94	0.02	0.03	13.65	3.09	0.96	0.13
11.10	0.96	0.02	0.03	13.70	3.09	0.97	0.13
11.15	0.98	0.02	0.03	13.75	3.10	0.97	0.12
11.20	1.00	0.02	0.04	13.80	3.11	0.98	0.12
11.25	1.02	0.03	0.04	13.85	3.12	0.99	0.12
11.30	1.04	0.03	0.05	13.90	3.13	0.99	0.11
11.35	1.06	0.03	0.05	13.95	3.14	1.00	0.11
11.40	1.09	0.04	0.06	14.00	3.15	1.00	0.11
11.45	1.11	0.04	0.06	14.05	3.16	1.01	0.11
11.50	1.14	0.05	0.07	14.10	3.16	1.01	0.11
11.55	1.18	0.06	0.08	14.15	3.17	1.02	0.10
11.60	1.22	0.07	0.09	14.20	3.18	1.02	0.10
11.65	1.26	0.08	0.11	14.25	3.19	1.03	0.10
11.70	1.30	0.09	0.13	14.30	3.20	1.03	0.10
11.75	1.35	0.10	0.16	14.35	3.20	1.04	0.10
11.80	1.41	0.12	0.18	14.40	3.21	1.04	0.10
11.85	1.49	0.14	0.22	14.45	3.22	1.05	0.10
11.90	1.57	0.17	0.27	14.50	3.23	1.05	0.09
11.95	1.70	0.22	0.34	14.55	3.23	1.06	0.09
12.00	1.83	0.28	0.45	14.60	3.24	1.06	0.09
12.05	2.06	0.38	0.61	14.65	3.25	1.07	0.09
12.10	2.28	0.49	0.86	14.70	3.25	1.07	0.09
12.15	2.36	0.53	1.18	14.75	3.26	1.08	0.09
12.20	2.44	0.57	**1.38**	14.80	3.26	1.08	0.08
12.25	2.50	0.61	1.33	14.85	3.27	1.08	0.08
12.30	2.55	0.64	1.13	14.90	3.28	1.09	0.08
12.35	2.59	0.66	0.93	14.95	3.28	1.09	0.08
12.40	2.63	0.69	0.78	15.00	3.29	1.10	0.08
12.45	2.67	0.71	0.66	15.05	3.29	1.10	0.07
12.50	2.71	0.73	0.57	15.10	3.30	1.10	0.07
12.55	2.74	0.75	0.51	15.15	3.30	1.11	0.07
12.60	2.76	0.76	0.46	15.20	3.31	1.11	0.07
12.65	2.79	0.78	0.41	15.25	3.31	1.11	0.07
12.70	2.81	0.79	0.36	15.30	3.32	1.12	0.07
12.75	2.83	0.80	0.32	15.35	3.32	1.12	0.07
12.80	2.85	0.82	0.30	15.40	3.33	1.12	0.07
12.85	2.87	0.83	0.28	15.45	3.34	1.13	0.07
12.90	2.89	0.84	0.26	15.50	3.34	1.13	0.07
12.95	2.91	0.85	0.25	15.55	3.35	1.13	0.07

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	1.14	0.06	18.20	3.56	1.28	0.04
15.65	3.36	1.14	0.06	18.25	3.56	1.28	0.04
15.70	3.36	1.14	0.06	18.30	3.56	1.28	0.04
15.75	3.36	1.15	0.06	18.35	3.57	1.29	0.04
15.80	3.37	1.15	0.06	18.40	3.57	1.29	0.04
15.85	3.37	1.15	0.06	18.45	3.57	1.29	0.04
15.90	3.38	1.16	0.06	18.50	3.58	1.29	0.04
15.95	3.38	1.16	0.06	18.55	3.58	1.29	0.04
16.00	3.39	1.16	0.06	18.60	3.58	1.30	0.04
16.05	3.39	1.17	0.06	18.65	3.58	1.30	0.04
16.10	3.40	1.17	0.06	18.70	3.59	1.30	0.04
16.15	3.40	1.17	0.06	18.75	3.59	1.30	0.04
16.20	3.41	1.18	0.06	18.80	3.59	1.30	0.04
16.25	3.41	1.18	0.06	18.85	3.60	1.31	0.04
16.30	3.42	1.18	0.06	18.90	3.60	1.31	0.04
16.35	3.42	1.19	0.06	18.95	3.60	1.31	0.04
16.40	3.42	1.19	0.06	19.00	3.61	1.31	0.04
16.45	3.43	1.19	0.06	19.05	3.61	1.32	0.04
16.50	3.43	1.19	0.06	19.10	3.61	1.32	0.04
16.55	3.44	1.20	0.06	19.15	3.61	1.32	0.04
16.60	3.44	1.20	0.06	19.20	3.62	1.32	0.04
16.65	3.45	1.20	0.06	19.25	3.62	1.32	0.04
16.70	3.45	1.21	0.06	19.30	3.62	1.33	0.04
16.75	3.45	1.21	0.05	19.35	3.63	1.33	0.04
16.80	3.46	1.21	0.05	19.40	3.63	1.33	0.04
16.85	3.46	1.21	0.05	19.45	3.63	1.33	0.04
16.90	3.47	1.22	0.05	19.50	3.63	1.33	0.04
16.95	3.47	1.22	0.05	19.55	3.64	1.34	0.04
17.00	3.47	1.22	0.05	19.60	3.64	1.34	0.04
17.05	3.48	1.22	0.05	19.65	3.64	1.34	0.04
17.10	3.48	1.23	0.05	19.70	3.65	1.34	0.04
17.15	3.49	1.23	0.05	19.75	3.65	1.34	0.04
17.20	3.49	1.23	0.05	19.80	3.65	1.34	0.04
17.25	3.49	1.24	0.05	19.85	3.65	1.35	0.04
17.30	3.50	1.24	0.05	19.90	3.66	1.35	0.04
17.35	3.50	1.24	0.05	19.95	3.66	1.35	0.04
17.40	3.50	1.24	0.05	20.00	3.66	1.35	0.04
17.45	3.51	1.25	0.05	20.05	3.66	1.35	0.04
17.50	3.51	1.25	0.05	20.10	3.67	1.36	0.04
17.55	3.52	1.25	0.05	20.15	3.67	1.36	0.04
17.60	3.52	1.25	0.05	20.20	3.67	1.36	0.04
17.65	3.52	1.26	0.05	20.25	3.68	1.36	0.04
17.70	3.53	1.26	0.05	20.30	3.68	1.36	0.04
17.75	3.53	1.26	0.05	20.35	3.68	1.37	0.04
17.80	3.53	1.26	0.04	20.40	3.68	1.37	0.04
17.85	3.54	1.26	0.04	20.45	3.69	1.37	0.04
17.90	3.54	1.27	0.04	20.50	3.69	1.37	0.04
17.95	3.54	1.27	0.04	20.55	3.69	1.37	0.04
18.00	3.54	1.27	0.04	20.60	3.69	1.38	0.04
18.05	3.55	1.27	0.04	20.65	3.70	1.38	0.04
18.10	3.55	1.28	0.04	20.70	3.70	1.38	0.04
18.15	3.55	1.28	0.04	20.75	3.70	1.38	0.03

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	1.38	0.03	23.40	3.82	1.47	0.03
20.85	3.71	1.38	0.03	23.45	3.83	1.47	0.03
20.90	3.71	1.39	0.03	23.50	3.83	1.47	0.03
20.95	3.71	1.39	0.03	23.55	3.83	1.47	0.03
21.00	3.71	1.39	0.03	23.60	3.83	1.47	0.03
21.05	3.72	1.39	0.03	23.65	3.84	1.48	0.03
21.10	3.72	1.39	0.03	23.70	3.84	1.48	0.03
21.15	3.72	1.40	0.03	23.75	3.84	1.48	0.03
21.20	3.72	1.40	0.03	23.80	3.84	1.48	0.03
21.25	3.73	1.40	0.03	23.85	3.84	1.48	0.03
21.30	3.73	1.40	0.03	23.90	3.85	1.48	0.03
21.35	3.73	1.40	0.03	23.95	3.85	1.49	0.03
21.40	3.73	1.40	0.03	24.00	**3.85**	**1.49**	0.03
21.45	3.74	1.41	0.03	24.05	3.85	1.49	0.03
21.50	3.74	1.41	0.03	24.10	3.85	1.49	0.03
21.55	3.74	1.41	0.03	24.15	3.85	1.49	0.02
21.60	3.74	1.41	0.03	24.20	3.85	1.49	0.01
21.65	3.75	1.41	0.03	24.25	3.85	1.49	0.01
21.70	3.75	1.41	0.03	24.30	3.85	1.49	0.00
21.75	3.75	1.42	0.03	24.35	3.85	1.49	0.00
21.80	3.75	1.42	0.03	24.40	3.85	1.49	0.00
21.85	3.76	1.42	0.03	24.45	3.85	1.49	0.00
21.90	3.76	1.42	0.03	24.50	3.85	1.49	0.00
21.95	3.76	1.42	0.03	24.55	3.85	1.49	0.00
22.00	3.76	1.42	0.03	24.60	3.85	1.49	0.00
22.05	3.77	1.43	0.03	24.65	3.85	1.49	0.00
22.10	3.77	1.43	0.03	24.70	3.85	1.49	0.00
22.15	3.77	1.43	0.03	24.75	3.85	1.49	0.00
22.20	3.77	1.43	0.03	24.80	3.85	1.49	0.00
22.25	3.77	1.43	0.03	24.85	3.85	1.49	0.00
22.30	3.78	1.43	0.03	24.90	3.85	1.49	0.00
22.35	3.78	1.44	0.03	24.95	3.85	1.49	0.00
22.40	3.78	1.44	0.03	25.00	3.85	1.49	0.00
22.45	3.78	1.44	0.03	25.05	3.85	1.49	0.00
22.50	3.79	1.44	0.03	25.10	3.85	1.49	0.00
22.55	3.79	1.44	0.03	25.15	3.85	1.49	0.00
22.60	3.79	1.44	0.03	25.20	3.85	1.49	0.00
22.65	3.79	1.45	0.03	25.25	3.85	1.49	0.00
22.70	3.79	1.45	0.03	25.30	3.85	1.49	0.00
22.75	3.80	1.45	0.03	25.35	3.85	1.49	0.00
22.80	3.80	1.45	0.03	25.40	3.85	1.49	0.00
22.85	3.80	1.45	0.03	25.45	3.85	1.49	0.00
22.90	3.80	1.45	0.03	25.50	3.85	1.49	0.00
22.95	3.81	1.46	0.03	25.55	3.85	1.49	0.00
23.00	3.81	1.46	0.03	25.60	3.85	1.49	0.00
23.05	3.81	1.46	0.03	25.65	3.85	1.49	0.00
23.10	3.81	1.46	0.03	25.70	3.85	1.49	0.00
23.15	3.81	1.46	0.03	25.75	3.85	1.49	0.00
23.20	3.82	1.46	0.03	25.80	3.85	1.49	0.00
23.25	3.82	1.46	0.03	25.85	3.85	1.49	0.00
23.30	3.82	1.47	0.03	25.90	3.85	1.49	0.00
23.35	3.82	1.47	0.03	25.95	3.85	1.49	0.00

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.49	0.00	28.60	3.85	1.49	0.00
26.05	3.85	1.49	0.00	28.65	3.85	1.49	0.00
26.10	3.85	1.49	0.00	28.70	3.85	1.49	0.00
26.15	3.85	1.49	0.00	28.75	3.85	1.49	0.00
26.20	3.85	1.49	0.00	28.80	3.85	1.49	0.00
26.25	3.85	1.49	0.00	28.85	3.85	1.49	0.00
26.30	3.85	1.49	0.00	28.90	3.85	1.49	0.00
26.35	3.85	1.49	0.00	28.95	3.85	1.49	0.00
26.40	3.85	1.49	0.00	29.00	3.85	1.49	0.00
26.45	3.85	1.49	0.00	29.05	3.85	1.49	0.00
26.50	3.85	1.49	0.00	29.10	3.85	1.49	0.00
26.55	3.85	1.49	0.00	29.15	3.85	1.49	0.00
26.60	3.85	1.49	0.00	29.20	3.85	1.49	0.00
26.65	3.85	1.49	0.00	29.25	3.85	1.49	0.00
26.70	3.85	1.49	0.00	29.30	3.85	1.49	0.00
26.75	3.85	1.49	0.00	29.35	3.85	1.49	0.00
26.80	3.85	1.49	0.00	29.40	3.85	1.49	0.00
26.85	3.85	1.49	0.00	29.45	3.85	1.49	0.00
26.90	3.85	1.49	0.00	29.50	3.85	1.49	0.00
26.95	3.85	1.49	0.00	29.55	3.85	1.49	0.00
27.00	3.85	1.49	0.00	29.60	3.85	1.49	0.00
27.05	3.85	1.49	0.00	29.65	3.85	1.49	0.00
27.10	3.85	1.49	0.00	29.70	3.85	1.49	0.00
27.15	3.85	1.49	0.00	29.75	3.85	1.49	0.00
27.20	3.85	1.49	0.00	29.80	3.85	1.49	0.00
27.25	3.85	1.49	0.00	29.85	3.85	1.49	0.00
27.30	3.85	1.49	0.00	29.90	3.85	1.49	0.00
27.35	3.85	1.49	0.00	29.95	3.85	1.49	0.00
27.40	3.85	1.49	0.00	30.00	3.85	1.49	0.00
27.45	3.85	1.49	0.00	30.05	3.85	1.49	0.00
27.50	3.85	1.49	0.00	30.10	3.85	1.49	0.00
27.55	3.85	1.49	0.00	30.15	3.85	1.49	0.00
27.60	3.85	1.49	0.00	30.20	3.85	1.49	0.00
27.65	3.85	1.49	0.00	30.25	3.85	1.49	0.00
27.70	3.85	1.49	0.00	30.30	3.85	1.49	0.00
27.75	3.85	1.49	0.00	30.35	3.85	1.49	0.00
27.80	3.85	1.49	0.00	30.40	3.85	1.49	0.00
27.85	3.85	1.49	0.00	30.45	3.85	1.49	0.00
27.90	3.85	1.49	0.00	30.50	3.85	1.49	0.00
27.95	3.85	1.49	0.00	30.55	3.85	1.49	0.00
28.00	3.85	1.49	0.00	30.60	3.85	1.49	0.00
28.05	3.85	1.49	0.00	30.65	3.85	1.49	0.00
28.10	3.85	1.49	0.00	30.70	3.85	1.49	0.00
28.15	3.85	1.49	0.00	30.75	3.85	1.49	0.00
28.20	3.85	1.49	0.00	30.80	3.85	1.49	0.00
28.25	3.85	1.49	0.00	30.85	3.85	1.49	0.00
28.30	3.85	1.49	0.00	30.90	3.85	1.49	0.00
28.35	3.85	1.49	0.00	30.95	3.85	1.49	0.00
28.40	3.85	1.49	0.00	31.00	3.85	1.49	0.00
28.45	3.85	1.49	0.00	31.05	3.85	1.49	0.00
28.50	3.85	1.49	0.00	31.10	3.85	1.49	0.00
28.55	3.85	1.49	0.00	31.15	3.85	1.49	0.00

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.49	0.00	33.80	3.85	1.49	0.00
31.25	3.85	1.49	0.00	33.85	3.85	1.49	0.00
31.30	3.85	1.49	0.00	33.90	3.85	1.49	0.00
31.35	3.85	1.49	0.00	33.95	3.85	1.49	0.00
31.40	3.85	1.49	0.00	34.00	3.85	1.49	0.00
31.45	3.85	1.49	0.00	34.05	3.85	1.49	0.00
31.50	3.85	1.49	0.00	34.10	3.85	1.49	0.00
31.55	3.85	1.49	0.00	34.15	3.85	1.49	0.00
31.60	3.85	1.49	0.00	34.20	3.85	1.49	0.00
31.65	3.85	1.49	0.00	34.25	3.85	1.49	0.00
31.70	3.85	1.49	0.00	34.30	3.85	1.49	0.00
31.75	3.85	1.49	0.00	34.35	3.85	1.49	0.00
31.80	3.85	1.49	0.00	34.40	3.85	1.49	0.00
31.85	3.85	1.49	0.00	34.45	3.85	1.49	0.00
31.90	3.85	1.49	0.00	34.50	3.85	1.49	0.00
31.95	3.85	1.49	0.00	34.55	3.85	1.49	0.00
32.00	3.85	1.49	0.00	34.60	3.85	1.49	0.00
32.05	3.85	1.49	0.00	34.65	3.85	1.49	0.00
32.10	3.85	1.49	0.00	34.70	3.85	1.49	0.00
32.15	3.85	1.49	0.00	34.75	3.85	1.49	0.00
32.20	3.85	1.49	0.00	34.80	3.85	1.49	0.00
32.25	3.85	1.49	0.00	34.85	3.85	1.49	0.00
32.30	3.85	1.49	0.00	34.90	3.85	1.49	0.00
32.35	3.85	1.49	0.00	34.95	3.85	1.49	0.00
32.40	3.85	1.49	0.00	35.00	3.85	1.49	0.00
32.45	3.85	1.49	0.00	35.05	3.85	1.49	0.00
32.50	3.85	1.49	0.00	35.10	3.85	1.49	0.00
32.55	3.85	1.49	0.00	35.15	3.85	1.49	0.00
32.60	3.85	1.49	0.00	35.20	3.85	1.49	0.00
32.65	3.85	1.49	0.00	35.25	3.85	1.49	0.00
32.70	3.85	1.49	0.00	35.30	3.85	1.49	0.00
32.75	3.85	1.49	0.00	35.35	3.85	1.49	0.00
32.80	3.85	1.49	0.00	35.40	3.85	1.49	0.00
32.85	3.85	1.49	0.00	35.45	3.85	1.49	0.00
32.90	3.85	1.49	0.00	35.50	3.85	1.49	0.00
32.95	3.85	1.49	0.00	35.55	3.85	1.49	0.00
33.00	3.85	1.49	0.00	35.60	3.85	1.49	0.00
33.05	3.85	1.49	0.00	35.65	3.85	1.49	0.00
33.10	3.85	1.49	0.00	35.70	3.85	1.49	0.00
33.15	3.85	1.49	0.00	35.75	3.85	1.49	0.00
33.20	3.85	1.49	0.00	35.80	3.85	1.49	0.00
33.25	3.85	1.49	0.00	35.85	3.85	1.49	0.00
33.30	3.85	1.49	0.00	35.90	3.85	1.49	0.00
33.35	3.85	1.49	0.00	35.95	3.85	1.49	0.00
33.40	3.85	1.49	0.00	36.00	3.85	1.49	0.00
33.45	3.85	1.49	0.00	36.05	3.85	1.49	0.00
33.50	3.85	1.49	0.00	36.10	3.85	1.49	0.00
33.55	3.85	1.49	0.00	36.15	3.85	1.49	0.00
33.60	3.85	1.49	0.00	36.20	3.85	1.49	0.00
33.65	3.85	1.49	0.00	36.25	3.85	1.49	0.00
33.70	3.85	1.49	0.00	36.30	3.85	1.49	0.00
33.75	3.85	1.49	0.00	36.35	3.85	1.49	0.00

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.49	0.00
36.45	3.85	1.49	0.00
36.50	3.85	1.49	0.00
36.55	3.85	1.49	0.00
36.60	3.85	1.49	0.00
36.65	3.85	1.49	0.00
36.70	3.85	1.49	0.00
36.75	3.85	1.49	0.00
36.80	3.85	1.49	0.00
36.85	3.85	1.49	0.00
36.90	3.85	1.49	0.00
36.95	3.85	1.49	0.00
37.00	3.85	1.49	0.00
37.05	3.85	1.49	0.00
37.10	3.85	1.49	0.00
37.15	3.85	1.49	0.00
37.20	3.85	1.49	0.00
37.25	3.85	1.49	0.00
37.30	3.85	1.49	0.00
37.35	3.85	1.49	0.00
37.40	3.85	1.49	0.00
37.45	3.85	1.49	0.00
37.50	3.85	1.49	0.00
37.55	3.85	1.49	0.00
37.60	3.85	1.49	0.00
37.65	3.85	1.49	0.00
37.70	3.85	1.49	0.00
37.75	3.85	1.49	0.00
37.80	3.85	1.49	0.00
37.85	3.85	1.49	0.00
37.90	3.85	1.49	0.00
37.95	3.85	1.49	0.00
38.00	3.85	1.49	0.00
38.05	3.85	1.49	0.00
38.10	3.85	1.49	0.00
38.15	3.85	1.49	0.00
38.20	3.85	1.49	0.00
38.25	3.85	1.49	0.00
38.30	3.85	1.49	0.00
38.35	3.85	1.49	0.00
38.40	3.85	1.49	0.00
38.45	3.85	1.49	0.00
38.50	3.85	1.49	0.00
38.55	3.85	1.49	0.00
38.60	3.85	1.49	0.00
38.65	3.85	1.49	0.00
38.70	3.85	1.49	0.00
38.75	3.85	1.49	0.00
38.80	3.85	1.49	0.00
38.85	3.85	1.49	0.00
38.90	3.85	1.49	0.00
38.95	3.85	1.49	0.00
39.00	3.85	1.49	0.00
39.05	3.85	1.49	0.00
39.10	3.85	1.49	0.00
39.15	3.85	1.49	0.00
39.20	3.85	1.49	0.00
39.25	3.85	1.49	0.00
39.30	3.85	1.49	0.00
39.35	3.85	1.49	0.00
39.40	3.85	1.49	0.00
39.45	3.85	1.49	0.00
39.50	3.85	1.49	0.00
39.55	3.85	1.49	0.00
39.60	3.85	1.49	0.00
39.65	3.85	1.49	0.00
39.70	3.85	1.49	0.00
39.75	3.85	1.49	0.00
39.80	3.85	1.49	0.00
39.85	3.85	1.49	0.00
39.90	3.85	1.49	0.00
39.95	3.85	1.49	0.00
40.00	3.85	1.49	0.00

Summary for Subcatchment 53I: PDA-53 (impervious)

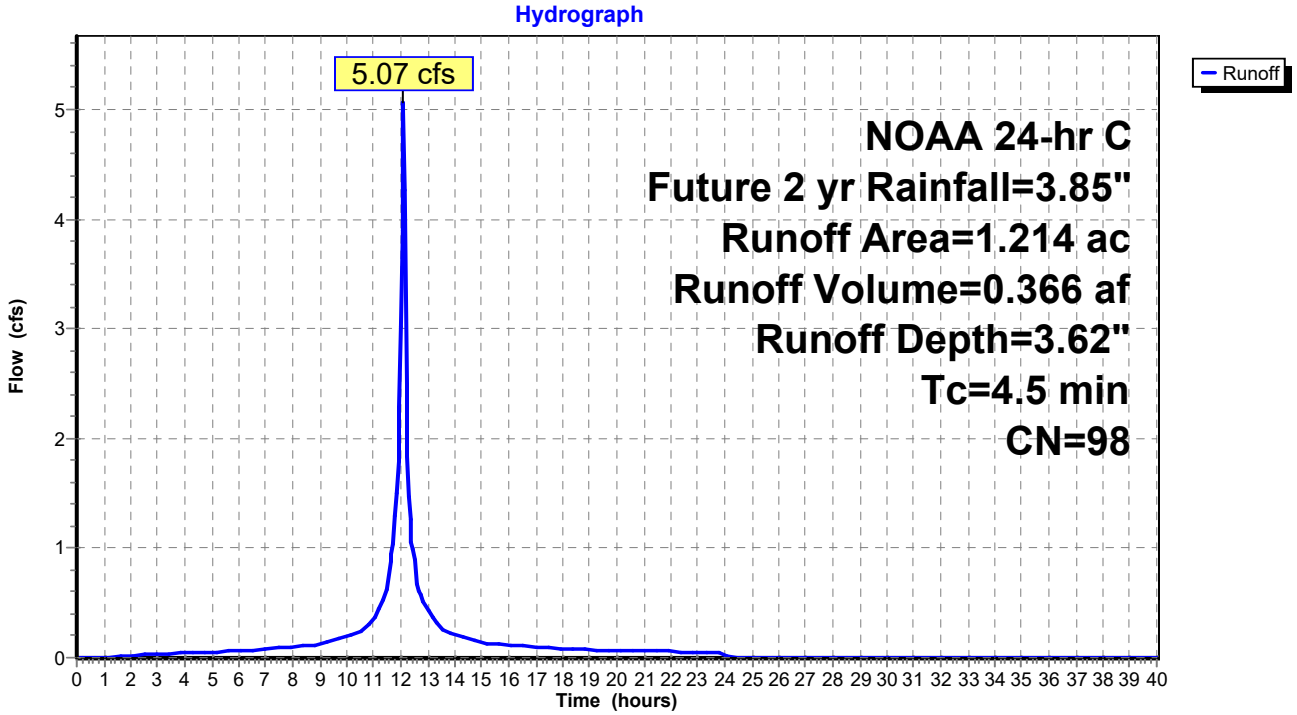
Runoff = 5.07 cfs @ 12.10 hrs, Volume= 0.366 af, Depth= 3.62"
Routed to Pond B-53 : Basin #53

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

	Area (ac)	CN	Description
*	0.628	98	Pavement, HSG C
*	0.450	98	Roof, HSG C
*	0.136	98	Concrete, HSG C
	1.214	98	Weighted Average
	1.214		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
4.5					**Direct Entry,**

Subcatchment 53I: PDA-53 (impervious)



Hydrograph for Subcatchment 53I: PDA-53 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.02	0.03
0.05	0.00	0.00	0.00	2.65	0.12	0.02	0.03
0.10	0.00	0.00	0.00	2.70	0.12	0.02	0.03
0.15	0.01	0.00	0.00	2.75	0.12	0.02	0.03
0.20	0.01	0.00	0.00	2.80	0.13	0.02	0.03
0.25	0.01	0.00	0.00	2.85	0.13	0.03	0.03
0.30	0.01	0.00	0.00	2.90	0.13	0.03	0.03
0.35	0.01	0.00	0.00	2.95	0.13	0.03	0.03
0.40	0.02	0.00	0.00	3.00	0.14	0.03	0.03
0.45	0.02	0.00	0.00	3.05	0.14	0.03	0.03
0.50	0.02	0.00	0.00	3.10	0.14	0.03	0.03
0.55	0.02	0.00	0.00	3.15	0.14	0.03	0.03
0.60	0.03	0.00	0.00	3.20	0.15	0.04	0.03
0.65	0.03	0.00	0.00	3.25	0.15	0.04	0.04
0.70	0.03	0.00	0.00	3.30	0.15	0.04	0.04
0.75	0.03	0.00	0.00	3.35	0.15	0.04	0.04
0.80	0.03	0.00	0.00	3.40	0.16	0.04	0.04
0.85	0.04	0.00	0.00	3.45	0.16	0.04	0.04
0.90	0.04	0.00	0.00	3.50	0.16	0.04	0.04
0.95	0.04	0.00	0.00	3.55	0.16	0.05	0.04
1.00	0.04	0.00	0.00	3.60	0.17	0.05	0.04
1.05	0.04	0.00	0.00	3.65	0.17	0.05	0.04
1.10	0.05	0.00	0.00	3.70	0.17	0.05	0.04
1.15	0.05	0.00	0.00	3.75	0.17	0.05	0.04
1.20	0.05	0.00	0.00	3.80	0.18	0.05	0.04
1.25	0.05	0.00	0.00	3.85	0.18	0.06	0.04
1.30	0.06	0.00	0.01	3.90	0.18	0.06	0.04
1.35	0.06	0.00	0.01	3.95	0.19	0.06	0.04
1.40	0.06	0.00	0.01	4.00	0.19	0.06	0.04
1.45	0.06	0.00	0.01	4.05	0.19	0.06	0.04
1.50	0.06	0.00	0.01	4.10	0.19	0.07	0.04
1.55	0.07	0.00	0.01	4.15	0.20	0.07	0.05
1.60	0.07	0.00	0.01	4.20	0.20	0.07	0.05
1.65	0.07	0.00	0.01	4.25	0.20	0.07	0.05
1.70	0.07	0.00	0.01	4.30	0.20	0.07	0.05
1.75	0.08	0.01	0.01	4.35	0.21	0.08	0.05
1.80	0.08	0.01	0.01	4.40	0.21	0.08	0.05
1.85	0.08	0.01	0.02	4.45	0.21	0.08	0.05
1.90	0.08	0.01	0.02	4.50	0.22	0.08	0.05
1.95	0.08	0.01	0.02	4.55	0.22	0.08	0.05
2.00	0.09	0.01	0.02	4.60	0.22	0.09	0.05
2.05	0.09	0.01	0.02	4.65	0.22	0.09	0.05
2.10	0.09	0.01	0.02	4.70	0.23	0.09	0.05
2.15	0.09	0.01	0.02	4.75	0.23	0.09	0.05
2.20	0.10	0.01	0.02	4.80	0.23	0.09	0.05
2.25	0.10	0.01	0.02	4.85	0.24	0.10	0.05
2.30	0.10	0.01	0.02	4.90	0.24	0.10	0.05
2.35	0.10	0.01	0.02	4.95	0.24	0.10	0.05
2.40	0.11	0.02	0.02	5.00	0.24	0.10	0.05
2.45	0.11	0.02	0.02	5.05	0.25	0.10	0.05
2.50	0.11	0.02	0.03	5.10	0.25	0.11	0.05
2.55	0.11	0.02	0.03	5.15	0.25	0.11	0.05

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.11	0.05	7.80	0.44	0.27	0.10
5.25	0.26	0.11	0.06	7.85	0.45	0.27	0.10
5.30	0.26	0.12	0.06	7.90	0.45	0.27	0.10
5.35	0.27	0.12	0.06	7.95	0.46	0.28	0.10
5.40	0.27	0.12	0.06	8.00	0.46	0.28	0.10
5.45	0.27	0.12	0.06	8.05	0.47	0.29	0.10
5.50	0.27	0.12	0.06	8.10	0.47	0.29	0.10
5.55	0.28	0.13	0.06	8.15	0.48	0.30	0.10
5.60	0.28	0.13	0.06	8.20	0.48	0.30	0.10
5.65	0.28	0.13	0.06	8.25	0.49	0.30	0.11
5.70	0.29	0.13	0.06	8.30	0.49	0.31	0.11
5.75	0.29	0.14	0.06	8.35	0.49	0.31	0.11
5.80	0.29	0.14	0.06	8.40	0.50	0.32	0.11
5.85	0.30	0.14	0.06	8.45	0.50	0.32	0.11
5.90	0.30	0.14	0.06	8.50	0.51	0.33	0.11
5.95	0.30	0.15	0.06	8.55	0.51	0.33	0.11
6.00	0.31	0.15	0.06	8.60	0.52	0.34	0.11
6.05	0.31	0.15	0.06	8.65	0.53	0.34	0.11
6.10	0.31	0.15	0.06	8.70	0.53	0.35	0.12
6.15	0.31	0.16	0.06	8.75	0.54	0.35	0.12
6.20	0.32	0.16	0.06	8.80	0.54	0.36	0.12
6.25	0.32	0.16	0.07	8.85	0.55	0.36	0.12
6.30	0.32	0.17	0.07	8.90	0.55	0.36	0.12
6.35	0.33	0.17	0.07	8.95	0.56	0.37	0.12
6.40	0.33	0.17	0.07	9.00	0.56	0.37	0.12
6.45	0.33	0.17	0.07	9.05	0.57	0.38	0.12
6.50	0.34	0.18	0.07	9.10	0.57	0.39	0.13
6.55	0.34	0.18	0.07	9.15	0.58	0.39	0.13
6.60	0.35	0.18	0.07	9.20	0.59	0.40	0.13
6.65	0.35	0.19	0.07	9.25	0.59	0.40	0.14
6.70	0.35	0.19	0.07	9.30	0.60	0.41	0.14
6.75	0.36	0.19	0.08	9.35	0.60	0.41	0.14
6.80	0.36	0.19	0.08	9.40	0.61	0.42	0.15
6.85	0.36	0.20	0.08	9.45	0.62	0.43	0.15
6.90	0.37	0.20	0.08	9.50	0.62	0.43	0.15
6.95	0.37	0.20	0.08	9.55	0.63	0.44	0.16
7.00	0.38	0.21	0.08	9.60	0.64	0.45	0.16
7.05	0.38	0.21	0.08	9.65	0.65	0.45	0.17
7.10	0.38	0.21	0.08	9.70	0.65	0.46	0.17
7.15	0.39	0.22	0.08	9.75	0.66	0.47	0.17
7.20	0.39	0.22	0.08	9.80	0.67	0.47	0.18
7.25	0.40	0.23	0.09	9.85	0.68	0.48	0.18
7.30	0.40	0.23	0.09	9.90	0.69	0.49	0.18
7.35	0.40	0.23	0.09	9.95	0.69	0.50	0.19
7.40	0.41	0.24	0.09	10.00	0.70	0.51	0.19
7.45	0.41	0.24	0.09	10.05	0.71	0.51	0.19
7.50	0.42	0.24	0.09	10.10	0.72	0.52	0.20
7.55	0.42	0.25	0.09	10.15	0.73	0.53	0.20
7.60	0.43	0.25	0.09	10.20	0.74	0.54	0.20
7.65	0.43	0.25	0.09	10.25	0.75	0.55	0.21
7.70	0.43	0.26	0.09	10.30	0.76	0.56	0.21
7.75	0.44	0.26	0.10	10.35	0.76	0.56	0.21

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.57	0.22	13.00	2.93	2.69	0.43
10.45	0.78	0.58	0.22	13.05	2.94	2.71	0.41
10.50	0.79	0.59	0.23	13.10	2.96	2.73	0.38
10.55	0.80	0.60	0.24	13.15	2.97	2.74	0.37
10.60	0.82	0.61	0.25	13.20	2.98	2.75	0.35
10.65	0.83	0.62	0.26	13.25	3.00	2.77	0.34
10.70	0.84	0.64	0.28	13.30	3.01	2.78	0.32
10.75	0.85	0.65	0.29	13.35	3.02	2.79	0.31
10.80	0.87	0.66	0.30	13.40	3.03	2.80	0.30
10.85	0.88	0.67	0.31	13.45	3.05	2.81	0.28
10.90	0.89	0.69	0.33	13.50	3.06	2.82	0.27
10.95	0.91	0.70	0.34	13.55	3.07	2.83	0.26
11.00	0.92	0.72	0.36	13.60	3.08	2.84	0.24
11.05	0.94	0.73	0.37	13.65	3.09	2.85	0.24
11.10	0.96	0.75	0.40	13.70	3.09	2.86	0.23
11.15	0.98	0.77	0.42	13.75	3.10	2.87	0.23
11.20	1.00	0.79	0.45	13.80	3.11	2.88	0.22
11.25	1.02	0.81	0.47	13.85	3.12	2.89	0.22
11.30	1.04	0.83	0.50	13.90	3.13	2.90	0.22
11.35	1.06	0.85	0.52	13.95	3.14	2.91	0.21
11.40	1.09	0.88	0.55	14.00	3.15	2.92	0.21
11.45	1.11	0.90	0.57	14.05	3.16	2.92	0.21
11.50	1.14	0.92	0.59	14.10	3.16	2.93	0.20
11.55	1.18	0.96	0.70	14.15	3.17	2.94	0.20
11.60	1.22	1.00	0.87	14.20	3.18	2.95	0.20
11.65	1.26	1.04	0.94	14.25	3.19	2.96	0.19
11.70	1.30	1.08	0.97	14.30	3.20	2.96	0.19
11.75	1.35	1.14	1.10	14.35	3.20	2.97	0.19
11.80	1.41	1.19	1.29	14.40	3.21	2.98	0.18
11.85	1.49	1.27	1.50	14.45	3.22	2.99	0.18
11.90	1.57	1.34	1.79	14.50	3.23	2.99	0.18
11.95	1.70	1.48	2.29	14.55	3.23	3.00	0.17
12.00	1.83	1.61	3.03	14.60	3.24	3.01	0.17
12.05	2.06	1.83	3.90	14.65	3.25	3.01	0.16
12.10	2.28	2.06	**5.06**	14.70	3.25	3.02	0.16
12.15	2.36	2.13	4.27	14.75	3.26	3.03	0.16
12.20	2.44	2.21	2.49	14.80	3.26	3.03	0.15
12.25	2.50	2.27	1.85	14.85	3.27	3.04	0.15
12.30	2.55	2.32	1.47	14.90	3.28	3.04	0.15
12.35	2.59	2.36	1.27	14.95	3.28	3.05	0.14
12.40	2.63	2.40	1.06	15.00	3.29	3.05	0.14
12.45	2.67	2.44	0.99	15.05	3.29	3.06	0.14
12.50	2.71	2.48	0.96	15.10	3.30	3.07	0.13
12.55	2.74	2.51	0.84	15.15	3.30	3.07	0.13
12.60	2.76	2.53	0.67	15.20	3.31	3.08	0.13
12.65	2.79	2.56	0.61	15.25	3.31	3.08	0.13
12.70	2.81	2.58	0.58	15.30	3.32	3.09	0.13
12.75	2.83	2.60	0.56	15.35	3.32	3.09	0.13
12.80	2.85	2.62	0.53	15.40	3.33	3.10	0.13
12.85	2.87	2.64	0.51	15.45	3.34	3.10	0.13
12.90	2.89	2.66	0.48	15.50	3.34	3.11	0.12
12.95	2.91	2.68	0.46	15.55	3.35	3.11	0.12

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	3.12	0.12	18.20	3.56	3.32	0.08
15.65	3.36	3.12	0.12	18.25	3.56	3.33	0.08
15.70	3.36	3.13	0.12	18.30	3.56	3.33	0.07
15.75	3.36	3.13	0.12	18.35	3.57	3.33	0.07
15.80	3.37	3.14	0.12	18.40	3.57	3.34	0.07
15.85	3.37	3.14	0.12	18.45	3.57	3.34	0.07
15.90	3.38	3.15	0.12	18.50	3.58	3.34	0.07
15.95	3.38	3.15	0.12	18.55	3.58	3.34	0.07
16.00	3.39	3.16	0.12	18.60	3.58	3.35	0.07
16.05	3.39	3.16	0.11	18.65	3.58	3.35	0.07
16.10	3.40	3.16	0.11	18.70	3.59	3.35	0.07
16.15	3.40	3.17	0.11	18.75	3.59	3.36	0.07
16.20	3.41	3.17	0.11	18.80	3.59	3.36	0.07
16.25	3.41	3.18	0.11	18.85	3.60	3.36	0.07
16.30	3.42	3.18	0.11	18.90	3.60	3.37	0.07
16.35	3.42	3.19	0.11	18.95	3.60	3.37	0.07
16.40	3.42	3.19	0.11	19.00	3.61	3.37	0.07
16.45	3.43	3.20	0.11	19.05	3.61	3.37	0.07
16.50	3.43	3.20	0.11	19.10	3.61	3.38	0.07
16.55	3.44	3.20	0.10	19.15	3.61	3.38	0.07
16.60	3.44	3.21	0.10	19.20	3.62	3.38	0.07
16.65	3.45	3.21	0.10	19.25	3.62	3.39	0.07
16.70	3.45	3.22	0.10	19.30	3.62	3.39	0.07
16.75	3.45	3.22	0.10	19.35	3.63	3.39	0.07
16.80	3.46	3.23	0.10	19.40	3.63	3.39	0.07
16.85	3.46	3.23	0.10	19.45	3.63	3.40	0.07
16.90	3.47	3.23	0.10	19.50	3.63	3.40	0.07
16.95	3.47	3.24	0.10	19.55	3.64	3.40	0.07
17.00	3.47	3.24	0.10	19.60	3.64	3.41	0.07
17.05	3.48	3.24	0.10	19.65	3.64	3.41	0.07
17.10	3.48	3.25	0.09	19.70	3.65	3.41	0.07
17.15	3.49	3.25	0.09	19.75	3.65	3.41	0.07
17.20	3.49	3.26	0.09	19.80	3.65	3.42	0.07
17.25	3.49	3.26	0.09	19.85	3.65	3.42	0.07
17.30	3.50	3.26	0.09	19.90	3.66	3.42	0.07
17.35	3.50	3.27	0.09	19.95	3.66	3.42	0.07
17.40	3.50	3.27	0.09	20.00	3.66	3.43	0.07
17.45	3.51	3.27	0.09	20.05	3.66	3.43	0.07
17.50	3.51	3.28	0.09	20.10	3.67	3.43	0.07
17.55	3.52	3.28	0.09	20.15	3.67	3.44	0.07
17.60	3.52	3.28	0.09	20.20	3.67	3.44	0.07
17.65	3.52	3.29	0.08	20.25	3.68	3.44	0.07
17.70	3.53	3.29	0.08	20.30	3.68	3.44	0.07
17.75	3.53	3.30	0.08	20.35	3.68	3.45	0.07
17.80	3.53	3.30	0.08	20.40	3.68	3.45	0.06
17.85	3.54	3.30	0.08	20.45	3.69	3.45	0.06
17.90	3.54	3.30	0.08	20.50	3.69	3.45	0.06
17.95	3.54	3.31	0.08	20.55	3.69	3.46	0.06
18.00	3.54	3.31	0.08	20.60	3.69	3.46	0.06
18.05	3.55	3.31	0.08	20.65	3.70	3.46	0.06
18.10	3.55	3.32	0.08	20.70	3.70	3.46	0.06
18.15	3.55	3.32	0.08	20.75	3.70	3.47	0.06

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	3.47	0.06	23.40	3.82	3.59	0.05
20.85	3.71	3.47	0.06	23.45	3.83	3.59	0.05
20.90	3.71	3.47	0.06	23.50	3.83	3.59	0.05
20.95	3.71	3.48	0.06	23.55	3.83	3.60	0.05
21.00	3.71	3.48	0.06	23.60	3.83	3.60	0.05
21.05	3.72	3.48	0.06	23.65	3.84	3.60	0.05
21.10	3.72	3.49	0.06	23.70	3.84	3.60	0.05
21.15	3.72	3.49	0.06	23.75	3.84	3.60	0.05
21.20	3.72	3.49	0.06	23.80	3.84	3.61	0.05
21.25	3.73	3.49	0.06	23.85	3.84	3.61	0.05
21.30	3.73	3.50	0.06	23.90	3.85	3.61	0.05
21.35	3.73	3.50	0.06	23.95	3.85	3.61	0.05
21.40	3.73	3.50	0.06	24.00	**3.85**	**3.62**	0.06
21.45	3.74	3.50	0.06	24.05	3.85	3.62	0.04
21.50	3.74	3.50	0.06	24.10	3.85	3.62	0.01
21.55	3.74	3.51	0.06	24.15	3.85	3.62	0.00
21.60	3.74	3.51	0.06	24.20	3.85	3.62	0.00
21.65	3.75	3.51	0.06	24.25	3.85	3.62	0.00
21.70	3.75	3.51	0.06	24.30	3.85	3.62	0.00
21.75	3.75	3.52	0.06	24.35	3.85	3.62	0.00
21.80	3.75	3.52	0.06	24.40	3.85	3.62	0.00
21.85	3.76	3.52	0.06	24.45	3.85	3.62	0.00
21.90	3.76	3.52	0.06	24.50	3.85	3.62	0.00
21.95	3.76	3.53	0.06	24.55	3.85	3.62	0.00
22.00	3.76	3.53	0.06	24.60	3.85	3.62	0.00
22.05	3.77	3.53	0.06	24.65	3.85	3.62	0.00
22.10	3.77	3.53	0.06	24.70	3.85	3.62	0.00
22.15	3.77	3.54	0.06	24.75	3.85	3.62	0.00
22.20	3.77	3.54	0.06	24.80	3.85	3.62	0.00
22.25	3.77	3.54	0.06	24.85	3.85	3.62	0.00
22.30	3.78	3.54	0.06	24.90	3.85	3.62	0.00
22.35	3.78	3.54	0.06	24.95	3.85	3.62	0.00
22.40	3.78	3.55	0.06	25.00	3.85	3.62	0.00
22.45	3.78	3.55	0.06	25.05	3.85	3.62	0.00
22.50	3.79	3.55	0.06	25.10	3.85	3.62	0.00
22.55	3.79	3.55	0.06	25.15	3.85	3.62	0.00
22.60	3.79	3.56	0.05	25.20	3.85	3.62	0.00
22.65	3.79	3.56	0.05	25.25	3.85	3.62	0.00
22.70	3.79	3.56	0.05	25.30	3.85	3.62	0.00
22.75	3.80	3.56	0.05	25.35	3.85	3.62	0.00
22.80	3.80	3.56	0.05	25.40	3.85	3.62	0.00
22.85	3.80	3.57	0.05	25.45	3.85	3.62	0.00
22.90	3.80	3.57	0.05	25.50	3.85	3.62	0.00
22.95	3.81	3.57	0.05	25.55	3.85	3.62	0.00
23.00	3.81	3.57	0.05	25.60	3.85	3.62	0.00
23.05	3.81	3.58	0.05	25.65	3.85	3.62	0.00
23.10	3.81	3.58	0.05	25.70	3.85	3.62	0.00
23.15	3.81	3.58	0.05	25.75	3.85	3.62	0.00
23.20	3.82	3.58	0.05	25.80	3.85	3.62	0.00
23.25	3.82	3.58	0.05	25.85	3.85	3.62	0.00
23.30	3.82	3.59	0.05	25.90	3.85	3.62	0.00
23.35	3.82	3.59	0.05	25.95	3.85	3.62	0.00

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	3.62	0.00	28.60	3.85	3.62	0.00
26.05	3.85	3.62	0.00	28.65	3.85	3.62	0.00
26.10	3.85	3.62	0.00	28.70	3.85	3.62	0.00
26.15	3.85	3.62	0.00	28.75	3.85	3.62	0.00
26.20	3.85	3.62	0.00	28.80	3.85	3.62	0.00
26.25	3.85	3.62	0.00	28.85	3.85	3.62	0.00
26.30	3.85	3.62	0.00	28.90	3.85	3.62	0.00
26.35	3.85	3.62	0.00	28.95	3.85	3.62	0.00
26.40	3.85	3.62	0.00	29.00	3.85	3.62	0.00
26.45	3.85	3.62	0.00	29.05	3.85	3.62	0.00
26.50	3.85	3.62	0.00	29.10	3.85	3.62	0.00
26.55	3.85	3.62	0.00	29.15	3.85	3.62	0.00
26.60	3.85	3.62	0.00	29.20	3.85	3.62	0.00
26.65	3.85	3.62	0.00	29.25	3.85	3.62	0.00
26.70	3.85	3.62	0.00	29.30	3.85	3.62	0.00
26.75	3.85	3.62	0.00	29.35	3.85	3.62	0.00
26.80	3.85	3.62	0.00	29.40	3.85	3.62	0.00
26.85	3.85	3.62	0.00	29.45	3.85	3.62	0.00
26.90	3.85	3.62	0.00	29.50	3.85	3.62	0.00
26.95	3.85	3.62	0.00	29.55	3.85	3.62	0.00
27.00	3.85	3.62	0.00	29.60	3.85	3.62	0.00
27.05	3.85	3.62	0.00	29.65	3.85	3.62	0.00
27.10	3.85	3.62	0.00	29.70	3.85	3.62	0.00
27.15	3.85	3.62	0.00	29.75	3.85	3.62	0.00
27.20	3.85	3.62	0.00	29.80	3.85	3.62	0.00
27.25	3.85	3.62	0.00	29.85	3.85	3.62	0.00
27.30	3.85	3.62	0.00	29.90	3.85	3.62	0.00
27.35	3.85	3.62	0.00	29.95	3.85	3.62	0.00
27.40	3.85	3.62	0.00	30.00	3.85	3.62	0.00
27.45	3.85	3.62	0.00	30.05	3.85	3.62	0.00
27.50	3.85	3.62	0.00	30.10	3.85	3.62	0.00
27.55	3.85	3.62	0.00	30.15	3.85	3.62	0.00
27.60	3.85	3.62	0.00	30.20	3.85	3.62	0.00
27.65	3.85	3.62	0.00	30.25	3.85	3.62	0.00
27.70	3.85	3.62	0.00	30.30	3.85	3.62	0.00
27.75	3.85	3.62	0.00	30.35	3.85	3.62	0.00
27.80	3.85	3.62	0.00	30.40	3.85	3.62	0.00
27.85	3.85	3.62	0.00	30.45	3.85	3.62	0.00
27.90	3.85	3.62	0.00	30.50	3.85	3.62	0.00
27.95	3.85	3.62	0.00	30.55	3.85	3.62	0.00
28.00	3.85	3.62	0.00	30.60	3.85	3.62	0.00
28.05	3.85	3.62	0.00	30.65	3.85	3.62	0.00
28.10	3.85	3.62	0.00	30.70	3.85	3.62	0.00
28.15	3.85	3.62	0.00	30.75	3.85	3.62	0.00
28.20	3.85	3.62	0.00	30.80	3.85	3.62	0.00
28.25	3.85	3.62	0.00	30.85	3.85	3.62	0.00
28.30	3.85	3.62	0.00	30.90	3.85	3.62	0.00
28.35	3.85	3.62	0.00	30.95	3.85	3.62	0.00
28.40	3.85	3.62	0.00	31.00	3.85	3.62	0.00
28.45	3.85	3.62	0.00	31.05	3.85	3.62	0.00
28.50	3.85	3.62	0.00	31.10	3.85	3.62	0.00
28.55	3.85	3.62	0.00	31.15	3.85	3.62	0.00

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	3.62	0.00	33.80	3.85	3.62	0.00
31.25	3.85	3.62	0.00	33.85	3.85	3.62	0.00
31.30	3.85	3.62	0.00	33.90	3.85	3.62	0.00
31.35	3.85	3.62	0.00	33.95	3.85	3.62	0.00
31.40	3.85	3.62	0.00	34.00	3.85	3.62	0.00
31.45	3.85	3.62	0.00	34.05	3.85	3.62	0.00
31.50	3.85	3.62	0.00	34.10	3.85	3.62	0.00
31.55	3.85	3.62	0.00	34.15	3.85	3.62	0.00
31.60	3.85	3.62	0.00	34.20	3.85	3.62	0.00
31.65	3.85	3.62	0.00	34.25	3.85	3.62	0.00
31.70	3.85	3.62	0.00	34.30	3.85	3.62	0.00
31.75	3.85	3.62	0.00	34.35	3.85	3.62	0.00
31.80	3.85	3.62	0.00	34.40	3.85	3.62	0.00
31.85	3.85	3.62	0.00	34.45	3.85	3.62	0.00
31.90	3.85	3.62	0.00	34.50	3.85	3.62	0.00
31.95	3.85	3.62	0.00	34.55	3.85	3.62	0.00
32.00	3.85	3.62	0.00	34.60	3.85	3.62	0.00
32.05	3.85	3.62	0.00	34.65	3.85	3.62	0.00
32.10	3.85	3.62	0.00	34.70	3.85	3.62	0.00
32.15	3.85	3.62	0.00	34.75	3.85	3.62	0.00
32.20	3.85	3.62	0.00	34.80	3.85	3.62	0.00
32.25	3.85	3.62	0.00	34.85	3.85	3.62	0.00
32.30	3.85	3.62	0.00	34.90	3.85	3.62	0.00
32.35	3.85	3.62	0.00	34.95	3.85	3.62	0.00
32.40	3.85	3.62	0.00	35.00	3.85	3.62	0.00
32.45	3.85	3.62	0.00	35.05	3.85	3.62	0.00
32.50	3.85	3.62	0.00	35.10	3.85	3.62	0.00
32.55	3.85	3.62	0.00	35.15	3.85	3.62	0.00
32.60	3.85	3.62	0.00	35.20	3.85	3.62	0.00
32.65	3.85	3.62	0.00	35.25	3.85	3.62	0.00
32.70	3.85	3.62	0.00	35.30	3.85	3.62	0.00
32.75	3.85	3.62	0.00	35.35	3.85	3.62	0.00
32.80	3.85	3.62	0.00	35.40	3.85	3.62	0.00
32.85	3.85	3.62	0.00	35.45	3.85	3.62	0.00
32.90	3.85	3.62	0.00	35.50	3.85	3.62	0.00
32.95	3.85	3.62	0.00	35.55	3.85	3.62	0.00
33.00	3.85	3.62	0.00	35.60	3.85	3.62	0.00
33.05	3.85	3.62	0.00	35.65	3.85	3.62	0.00
33.10	3.85	3.62	0.00	35.70	3.85	3.62	0.00
33.15	3.85	3.62	0.00	35.75	3.85	3.62	0.00
33.20	3.85	3.62	0.00	35.80	3.85	3.62	0.00
33.25	3.85	3.62	0.00	35.85	3.85	3.62	0.00
33.30	3.85	3.62	0.00	35.90	3.85	3.62	0.00
33.35	3.85	3.62	0.00	35.95	3.85	3.62	0.00
33.40	3.85	3.62	0.00	36.00	3.85	3.62	0.00
33.45	3.85	3.62	0.00	36.05	3.85	3.62	0.00
33.50	3.85	3.62	0.00	36.10	3.85	3.62	0.00
33.55	3.85	3.62	0.00	36.15	3.85	3.62	0.00
33.60	3.85	3.62	0.00	36.20	3.85	3.62	0.00
33.65	3.85	3.62	0.00	36.25	3.85	3.62	0.00
33.70	3.85	3.62	0.00	36.30	3.85	3.62	0.00
33.75	3.85	3.62	0.00	36.35	3.85	3.62	0.00

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	3.62	0.00
36.45	3.85	3.62	0.00
36.50	3.85	3.62	0.00
36.55	3.85	3.62	0.00
36.60	3.85	3.62	0.00
36.65	3.85	3.62	0.00
36.70	3.85	3.62	0.00
36.75	3.85	3.62	0.00
36.80	3.85	3.62	0.00
36.85	3.85	3.62	0.00
36.90	3.85	3.62	0.00
36.95	3.85	3.62	0.00
37.00	3.85	3.62	0.00
37.05	3.85	3.62	0.00
37.10	3.85	3.62	0.00
37.15	3.85	3.62	0.00
37.20	3.85	3.62	0.00
37.25	3.85	3.62	0.00
37.30	3.85	3.62	0.00
37.35	3.85	3.62	0.00
37.40	3.85	3.62	0.00
37.45	3.85	3.62	0.00
37.50	3.85	3.62	0.00
37.55	3.85	3.62	0.00
37.60	3.85	3.62	0.00
37.65	3.85	3.62	0.00
37.70	3.85	3.62	0.00
37.75	3.85	3.62	0.00
37.80	3.85	3.62	0.00
37.85	3.85	3.62	0.00
37.90	3.85	3.62	0.00
37.95	3.85	3.62	0.00
38.00	3.85	3.62	0.00
38.05	3.85	3.62	0.00
38.10	3.85	3.62	0.00
38.15	3.85	3.62	0.00
38.20	3.85	3.62	0.00
38.25	3.85	3.62	0.00
38.30	3.85	3.62	0.00
38.35	3.85	3.62	0.00
38.40	3.85	3.62	0.00
38.45	3.85	3.62	0.00
38.50	3.85	3.62	0.00
38.55	3.85	3.62	0.00
38.60	3.85	3.62	0.00
38.65	3.85	3.62	0.00
38.70	3.85	3.62	0.00
38.75	3.85	3.62	0.00
38.80	3.85	3.62	0.00
38.85	3.85	3.62	0.00
38.90	3.85	3.62	0.00
38.95	3.85	3.62	0.00
39.00	3.85	3.62	0.00
39.05	3.85	3.62	0.00
39.10	3.85	3.62	0.00
39.15	3.85	3.62	0.00
39.20	3.85	3.62	0.00
39.25	3.85	3.62	0.00
39.30	3.85	3.62	0.00
39.35	3.85	3.62	0.00
39.40	3.85	3.62	0.00
39.45	3.85	3.62	0.00
39.50	3.85	3.62	0.00
39.55	3.85	3.62	0.00
39.60	3.85	3.62	0.00
39.65	3.85	3.62	0.00
39.70	3.85	3.62	0.00
39.75	3.85	3.62	0.00
39.80	3.85	3.62	0.00
39.85	3.85	3.62	0.00
39.90	3.85	3.62	0.00
39.95	3.85	3.62	0.00
40.00	3.85	3.62	0.00

Summary for Subcatchment 53P: PDA-53 (pervious)

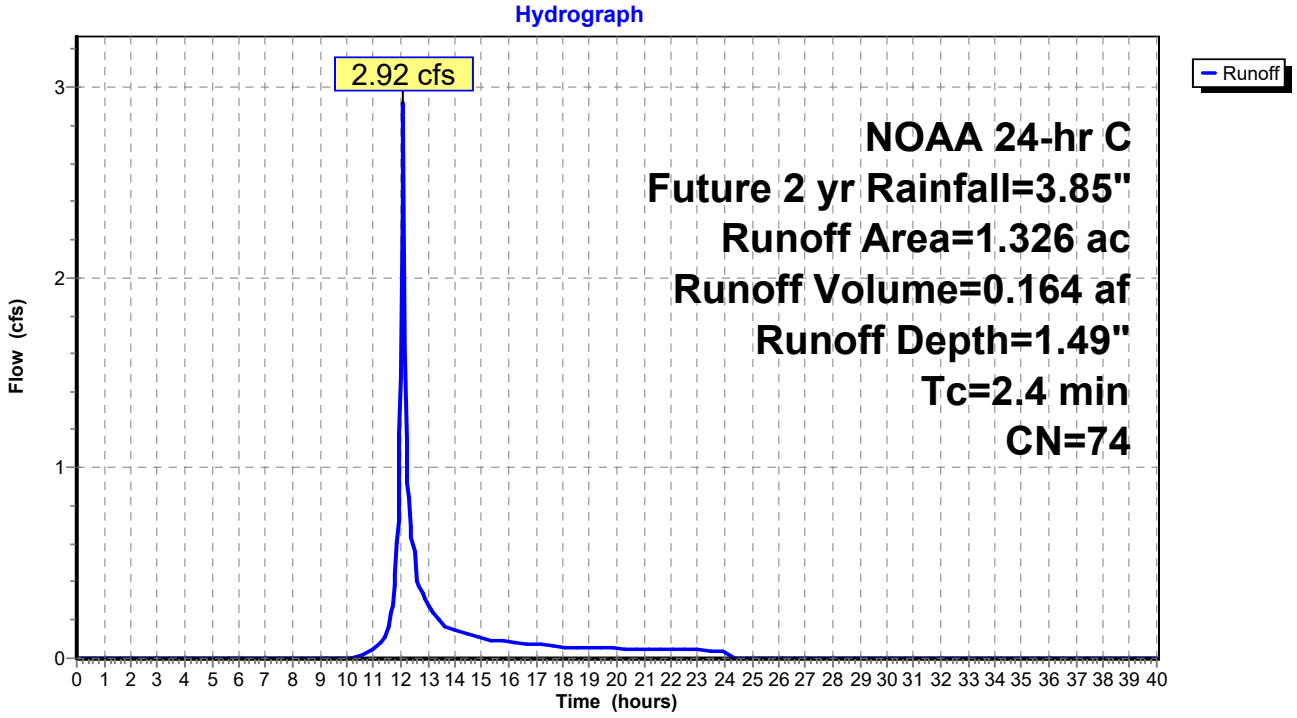
Runoff = 2.92 cfs @ 12.09 hrs, Volume= 0.164 af, Depth= 1.49"
Routed to Pond B-53 : Basin #53

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
1.326	74	>75% Grass cover, Good, HSG C
1.326		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.4					**Direct Entry,**

Subcatchment 53P: PDA-53 (pervious)



Hydrograph for Subcatchment 53P: PDA-53 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.01
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.01

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.01	13.00	2.93	0.86	0.29
10.45	0.78	0.00	0.01	13.05	2.94	0.87	0.26
10.50	0.79	0.00	0.01	13.10	2.96	0.88	0.26
10.55	0.80	0.00	0.01	13.15	2.97	0.89	0.24
10.60	0.82	0.00	0.02	13.20	2.98	0.90	0.24
10.65	0.83	0.00	0.02	13.25	3.00	0.91	0.23
10.70	0.84	0.01	0.02	13.30	3.01	0.92	0.22
10.75	0.85	0.01	0.03	13.35	3.02	0.92	0.21
10.80	0.87	0.01	0.03	13.40	3.03	0.93	0.20
10.85	0.88	0.01	0.03	13.45	3.05	0.94	0.19
10.90	0.89	0.01	0.04	13.50	3.06	0.94	0.19
10.95	0.91	0.01	0.04	13.55	3.07	0.95	0.17
11.00	0.92	0.01	0.04	13.60	3.08	0.96	0.17
11.05	0.94	0.02	0.05	13.65	3.09	0.96	0.16
11.10	0.96	0.02	0.06	13.70	3.09	0.97	0.16
11.15	0.98	0.02	0.07	13.75	3.10	0.97	0.16
11.20	1.00	0.02	0.07	13.80	3.11	0.98	0.16
11.25	1.02	0.03	0.08	13.85	3.12	0.99	0.16
11.30	1.04	0.03	0.09	13.90	3.13	0.99	0.15
11.35	1.06	0.03	0.10	13.95	3.14	1.00	0.15
11.40	1.09	0.04	0.11	14.00	3.15	1.00	0.15
11.45	1.11	0.04	0.13	14.05	3.16	1.01	0.15
11.50	1.14	0.05	0.14	14.10	3.16	1.01	0.14
11.55	1.18	0.06	0.20	14.15	3.17	1.02	0.14
11.60	1.22	0.07	0.24	14.20	3.18	1.02	0.14
11.65	1.26	0.08	0.26	14.25	3.19	1.03	0.14
11.70	1.30	0.09	0.29	14.30	3.20	1.03	0.14
11.75	1.35	0.10	0.38	14.35	3.20	1.04	0.13
11.80	1.41	0.12	0.44	14.40	3.21	1.04	0.13
11.85	1.49	0.14	0.61	14.45	3.22	1.05	0.13
11.90	1.57	0.17	0.72	14.50	3.23	1.05	0.13
11.95	1.70	0.22	1.18	14.55	3.23	1.06	0.12
12.00	1.83	0.28	1.47	14.60	3.24	1.06	0.12
12.05	2.06	0.38	2.40	14.65	3.25	1.07	0.12
12.10	2.28	0.49	**2.87**	14.70	3.25	1.07	0.12
12.15	2.36	0.53	1.62	14.75	3.26	1.08	0.11
12.20	2.44	0.57	1.14	14.80	3.26	1.08	0.11
12.25	2.50	0.61	0.92	14.85	3.27	1.08	0.11
12.30	2.55	0.64	0.84	14.90	3.28	1.09	0.11
12.35	2.59	0.66	0.69	14.95	3.28	1.09	0.10
12.40	2.63	0.69	0.64	15.00	3.29	1.10	0.10
12.45	2.67	0.71	0.62	15.05	3.29	1.10	0.10
12.50	2.71	0.73	0.61	15.10	3.30	1.10	0.10
12.55	2.74	0.75	0.46	15.15	3.30	1.11	0.10
12.60	2.76	0.76	0.40	15.20	3.31	1.11	0.10
12.65	2.79	0.78	0.39	15.25	3.31	1.11	0.09
12.70	2.81	0.79	0.38	15.30	3.32	1.12	0.09
12.75	2.83	0.80	0.36	15.35	3.32	1.12	0.09
12.80	2.85	0.82	0.35	15.40	3.33	1.12	0.09
12.85	2.87	0.83	0.33	15.45	3.34	1.13	0.09
12.90	2.89	0.84	0.32	15.50	3.34	1.13	0.09
12.95	2.91	0.85	0.30	15.55	3.35	1.13	0.09

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	1.14	0.09	18.20	3.56	1.28	0.06
15.65	3.36	1.14	0.09	18.25	3.56	1.28	0.06
15.70	3.36	1.14	0.09	18.30	3.56	1.28	0.06
15.75	3.36	1.15	0.09	18.35	3.57	1.29	0.06
15.80	3.37	1.15	0.09	18.40	3.57	1.29	0.06
15.85	3.37	1.15	0.09	18.45	3.57	1.29	0.06
15.90	3.38	1.16	0.09	18.50	3.58	1.29	0.06
15.95	3.38	1.16	0.09	18.55	3.58	1.29	0.06
16.00	3.39	1.16	0.09	18.60	3.58	1.30	0.06
16.05	3.39	1.17	0.08	18.65	3.58	1.30	0.06
16.10	3.40	1.17	0.08	18.70	3.59	1.30	0.06
16.15	3.40	1.17	0.08	18.75	3.59	1.30	0.06
16.20	3.41	1.18	0.08	18.80	3.59	1.30	0.06
16.25	3.41	1.18	0.08	18.85	3.60	1.31	0.06
16.30	3.42	1.18	0.08	18.90	3.60	1.31	0.06
16.35	3.42	1.19	0.08	18.95	3.60	1.31	0.05
16.40	3.42	1.19	0.08	19.00	3.61	1.31	0.05
16.45	3.43	1.19	0.08	19.05	3.61	1.32	0.05
16.50	3.43	1.19	0.08	19.10	3.61	1.32	0.05
16.55	3.44	1.20	0.08	19.15	3.61	1.32	0.05
16.60	3.44	1.20	0.08	19.20	3.62	1.32	0.05
16.65	3.45	1.20	0.08	19.25	3.62	1.32	0.05
16.70	3.45	1.21	0.08	19.30	3.62	1.33	0.05
16.75	3.45	1.21	0.08	19.35	3.63	1.33	0.05
16.80	3.46	1.21	0.07	19.40	3.63	1.33	0.05
16.85	3.46	1.21	0.07	19.45	3.63	1.33	0.05
16.90	3.47	1.22	0.07	19.50	3.63	1.33	0.05
16.95	3.47	1.22	0.07	19.55	3.64	1.34	0.05
17.00	3.47	1.22	0.07	19.60	3.64	1.34	0.05
17.05	3.48	1.22	0.07	19.65	3.64	1.34	0.05
17.10	3.48	1.23	0.07	19.70	3.65	1.34	0.05
17.15	3.49	1.23	0.07	19.75	3.65	1.34	0.05
17.20	3.49	1.23	0.07	19.80	3.65	1.34	0.05
17.25	3.49	1.24	0.07	19.85	3.65	1.35	0.05
17.30	3.50	1.24	0.07	19.90	3.66	1.35	0.05
17.35	3.50	1.24	0.07	19.95	3.66	1.35	0.05
17.40	3.50	1.24	0.07	20.00	3.66	1.35	0.05
17.45	3.51	1.25	0.07	20.05	3.66	1.35	0.05
17.50	3.51	1.25	0.07	20.10	3.67	1.36	0.05
17.55	3.52	1.25	0.06	20.15	3.67	1.36	0.05
17.60	3.52	1.25	0.06	20.20	3.67	1.36	0.05
17.65	3.52	1.26	0.06	20.25	3.68	1.36	0.05
17.70	3.53	1.26	0.06	20.30	3.68	1.36	0.05
17.75	3.53	1.26	0.06	20.35	3.68	1.37	0.05
17.80	3.53	1.26	0.06	20.40	3.68	1.37	0.05
17.85	3.54	1.26	0.06	20.45	3.69	1.37	0.05
17.90	3.54	1.27	0.06	20.50	3.69	1.37	0.05
17.95	3.54	1.27	0.06	20.55	3.69	1.37	0.05
18.00	3.54	1.27	0.06	20.60	3.69	1.38	0.05
18.05	3.55	1.27	0.06	20.65	3.70	1.38	0.05
18.10	3.55	1.28	0.06	20.70	3.70	1.38	0.05
18.15	3.55	1.28	0.06	20.75	3.70	1.38	0.05

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	1.38	0.05	23.40	3.82	1.47	0.04
20.85	3.71	1.38	0.05	23.45	3.83	1.47	0.04
20.90	3.71	1.39	0.05	23.50	3.83	1.47	0.04
20.95	3.71	1.39	0.05	23.55	3.83	1.47	0.04
21.00	3.71	1.39	0.05	23.60	3.83	1.47	0.04
21.05	3.72	1.39	0.05	23.65	3.84	1.48	0.04
21.10	3.72	1.39	0.05	23.70	3.84	1.48	0.04
21.15	3.72	1.40	0.05	23.75	3.84	1.48	0.04
21.20	3.72	1.40	0.05	23.80	3.84	1.48	0.04
21.25	3.73	1.40	0.05	23.85	3.84	1.48	0.04
21.30	3.73	1.40	0.05	23.90	3.85	1.48	0.04
21.35	3.73	1.40	0.05	23.95	3.85	1.49	0.05
21.40	3.73	1.40	0.05	24.00	**3.85**	**1.49**	0.05
21.45	3.74	1.41	0.05	24.05	3.85	1.49	0.01
21.50	3.74	1.41	0.05	24.10	3.85	1.49	0.00
21.55	3.74	1.41	0.05	24.15	3.85	1.49	0.00
21.60	3.74	1.41	0.05	24.20	3.85	1.49	0.00
21.65	3.75	1.41	0.05	24.25	3.85	1.49	0.00
21.70	3.75	1.41	0.05	24.30	3.85	1.49	0.00
21.75	3.75	1.42	0.05	24.35	3.85	1.49	0.00
21.80	3.75	1.42	0.05	24.40	3.85	1.49	0.00
21.85	3.76	1.42	0.05	24.45	3.85	1.49	0.00
21.90	3.76	1.42	0.05	24.50	3.85	1.49	0.00
21.95	3.76	1.42	0.04	24.55	3.85	1.49	0.00
22.00	3.76	1.42	0.04	24.60	3.85	1.49	0.00
22.05	3.77	1.43	0.04	24.65	3.85	1.49	0.00
22.10	3.77	1.43	0.04	24.70	3.85	1.49	0.00
22.15	3.77	1.43	0.04	24.75	3.85	1.49	0.00
22.20	3.77	1.43	0.04	24.80	3.85	1.49	0.00
22.25	3.77	1.43	0.04	24.85	3.85	1.49	0.00
22.30	3.78	1.43	0.04	24.90	3.85	1.49	0.00
22.35	3.78	1.44	0.04	24.95	3.85	1.49	0.00
22.40	3.78	1.44	0.04	25.00	3.85	1.49	0.00
22.45	3.78	1.44	0.04	25.05	3.85	1.49	0.00
22.50	3.79	1.44	0.04	25.10	3.85	1.49	0.00
22.55	3.79	1.44	0.04	25.15	3.85	1.49	0.00
22.60	3.79	1.44	0.04	25.20	3.85	1.49	0.00
22.65	3.79	1.45	0.04	25.25	3.85	1.49	0.00
22.70	3.79	1.45	0.04	25.30	3.85	1.49	0.00
22.75	3.80	1.45	0.04	25.35	3.85	1.49	0.00
22.80	3.80	1.45	0.04	25.40	3.85	1.49	0.00
22.85	3.80	1.45	0.04	25.45	3.85	1.49	0.00
22.90	3.80	1.45	0.04	25.50	3.85	1.49	0.00
22.95	3.81	1.46	0.04	25.55	3.85	1.49	0.00
23.00	3.81	1.46	0.04	25.60	3.85	1.49	0.00
23.05	3.81	1.46	0.04	25.65	3.85	1.49	0.00
23.10	3.81	1.46	0.04	25.70	3.85	1.49	0.00
23.15	3.81	1.46	0.04	25.75	3.85	1.49	0.00
23.20	3.82	1.46	0.04	25.80	3.85	1.49	0.00
23.25	3.82	1.46	0.04	25.85	3.85	1.49	0.00
23.30	3.82	1.47	0.04	25.90	3.85	1.49	0.00
23.35	3.82	1.47	0.04	25.95	3.85	1.49	0.00

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.49	0.00	28.60	3.85	1.49	0.00
26.05	3.85	1.49	0.00	28.65	3.85	1.49	0.00
26.10	3.85	1.49	0.00	28.70	3.85	1.49	0.00
26.15	3.85	1.49	0.00	28.75	3.85	1.49	0.00
26.20	3.85	1.49	0.00	28.80	3.85	1.49	0.00
26.25	3.85	1.49	0.00	28.85	3.85	1.49	0.00
26.30	3.85	1.49	0.00	28.90	3.85	1.49	0.00
26.35	3.85	1.49	0.00	28.95	3.85	1.49	0.00
26.40	3.85	1.49	0.00	29.00	3.85	1.49	0.00
26.45	3.85	1.49	0.00	29.05	3.85	1.49	0.00
26.50	3.85	1.49	0.00	29.10	3.85	1.49	0.00
26.55	3.85	1.49	0.00	29.15	3.85	1.49	0.00
26.60	3.85	1.49	0.00	29.20	3.85	1.49	0.00
26.65	3.85	1.49	0.00	29.25	3.85	1.49	0.00
26.70	3.85	1.49	0.00	29.30	3.85	1.49	0.00
26.75	3.85	1.49	0.00	29.35	3.85	1.49	0.00
26.80	3.85	1.49	0.00	29.40	3.85	1.49	0.00
26.85	3.85	1.49	0.00	29.45	3.85	1.49	0.00
26.90	3.85	1.49	0.00	29.50	3.85	1.49	0.00
26.95	3.85	1.49	0.00	29.55	3.85	1.49	0.00
27.00	3.85	1.49	0.00	29.60	3.85	1.49	0.00
27.05	3.85	1.49	0.00	29.65	3.85	1.49	0.00
27.10	3.85	1.49	0.00	29.70	3.85	1.49	0.00
27.15	3.85	1.49	0.00	29.75	3.85	1.49	0.00
27.20	3.85	1.49	0.00	29.80	3.85	1.49	0.00
27.25	3.85	1.49	0.00	29.85	3.85	1.49	0.00
27.30	3.85	1.49	0.00	29.90	3.85	1.49	0.00
27.35	3.85	1.49	0.00	29.95	3.85	1.49	0.00
27.40	3.85	1.49	0.00	30.00	3.85	1.49	0.00
27.45	3.85	1.49	0.00	30.05	3.85	1.49	0.00
27.50	3.85	1.49	0.00	30.10	3.85	1.49	0.00
27.55	3.85	1.49	0.00	30.15	3.85	1.49	0.00
27.60	3.85	1.49	0.00	30.20	3.85	1.49	0.00
27.65	3.85	1.49	0.00	30.25	3.85	1.49	0.00
27.70	3.85	1.49	0.00	30.30	3.85	1.49	0.00
27.75	3.85	1.49	0.00	30.35	3.85	1.49	0.00
27.80	3.85	1.49	0.00	30.40	3.85	1.49	0.00
27.85	3.85	1.49	0.00	30.45	3.85	1.49	0.00
27.90	3.85	1.49	0.00	30.50	3.85	1.49	0.00
27.95	3.85	1.49	0.00	30.55	3.85	1.49	0.00
28.00	3.85	1.49	0.00	30.60	3.85	1.49	0.00
28.05	3.85	1.49	0.00	30.65	3.85	1.49	0.00
28.10	3.85	1.49	0.00	30.70	3.85	1.49	0.00
28.15	3.85	1.49	0.00	30.75	3.85	1.49	0.00
28.20	3.85	1.49	0.00	30.80	3.85	1.49	0.00
28.25	3.85	1.49	0.00	30.85	3.85	1.49	0.00
28.30	3.85	1.49	0.00	30.90	3.85	1.49	0.00
28.35	3.85	1.49	0.00	30.95	3.85	1.49	0.00
28.40	3.85	1.49	0.00	31.00	3.85	1.49	0.00
28.45	3.85	1.49	0.00	31.05	3.85	1.49	0.00
28.50	3.85	1.49	0.00	31.10	3.85	1.49	0.00
28.55	3.85	1.49	0.00	31.15	3.85	1.49	0.00

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.49	0.00	33.80	3.85	1.49	0.00
31.25	3.85	1.49	0.00	33.85	3.85	1.49	0.00
31.30	3.85	1.49	0.00	33.90	3.85	1.49	0.00
31.35	3.85	1.49	0.00	33.95	3.85	1.49	0.00
31.40	3.85	1.49	0.00	34.00	3.85	1.49	0.00
31.45	3.85	1.49	0.00	34.05	3.85	1.49	0.00
31.50	3.85	1.49	0.00	34.10	3.85	1.49	0.00
31.55	3.85	1.49	0.00	34.15	3.85	1.49	0.00
31.60	3.85	1.49	0.00	34.20	3.85	1.49	0.00
31.65	3.85	1.49	0.00	34.25	3.85	1.49	0.00
31.70	3.85	1.49	0.00	34.30	3.85	1.49	0.00
31.75	3.85	1.49	0.00	34.35	3.85	1.49	0.00
31.80	3.85	1.49	0.00	34.40	3.85	1.49	0.00
31.85	3.85	1.49	0.00	34.45	3.85	1.49	0.00
31.90	3.85	1.49	0.00	34.50	3.85	1.49	0.00
31.95	3.85	1.49	0.00	34.55	3.85	1.49	0.00
32.00	3.85	1.49	0.00	34.60	3.85	1.49	0.00
32.05	3.85	1.49	0.00	34.65	3.85	1.49	0.00
32.10	3.85	1.49	0.00	34.70	3.85	1.49	0.00
32.15	3.85	1.49	0.00	34.75	3.85	1.49	0.00
32.20	3.85	1.49	0.00	34.80	3.85	1.49	0.00
32.25	3.85	1.49	0.00	34.85	3.85	1.49	0.00
32.30	3.85	1.49	0.00	34.90	3.85	1.49	0.00
32.35	3.85	1.49	0.00	34.95	3.85	1.49	0.00
32.40	3.85	1.49	0.00	35.00	3.85	1.49	0.00
32.45	3.85	1.49	0.00	35.05	3.85	1.49	0.00
32.50	3.85	1.49	0.00	35.10	3.85	1.49	0.00
32.55	3.85	1.49	0.00	35.15	3.85	1.49	0.00
32.60	3.85	1.49	0.00	35.20	3.85	1.49	0.00
32.65	3.85	1.49	0.00	35.25	3.85	1.49	0.00
32.70	3.85	1.49	0.00	35.30	3.85	1.49	0.00
32.75	3.85	1.49	0.00	35.35	3.85	1.49	0.00
32.80	3.85	1.49	0.00	35.40	3.85	1.49	0.00
32.85	3.85	1.49	0.00	35.45	3.85	1.49	0.00
32.90	3.85	1.49	0.00	35.50	3.85	1.49	0.00
32.95	3.85	1.49	0.00	35.55	3.85	1.49	0.00
33.00	3.85	1.49	0.00	35.60	3.85	1.49	0.00
33.05	3.85	1.49	0.00	35.65	3.85	1.49	0.00
33.10	3.85	1.49	0.00	35.70	3.85	1.49	0.00
33.15	3.85	1.49	0.00	35.75	3.85	1.49	0.00
33.20	3.85	1.49	0.00	35.80	3.85	1.49	0.00
33.25	3.85	1.49	0.00	35.85	3.85	1.49	0.00
33.30	3.85	1.49	0.00	35.90	3.85	1.49	0.00
33.35	3.85	1.49	0.00	35.95	3.85	1.49	0.00
33.40	3.85	1.49	0.00	36.00	3.85	1.49	0.00
33.45	3.85	1.49	0.00	36.05	3.85	1.49	0.00
33.50	3.85	1.49	0.00	36.10	3.85	1.49	0.00
33.55	3.85	1.49	0.00	36.15	3.85	1.49	0.00
33.60	3.85	1.49	0.00	36.20	3.85	1.49	0.00
33.65	3.85	1.49	0.00	36.25	3.85	1.49	0.00
33.70	3.85	1.49	0.00	36.30	3.85	1.49	0.00
33.75	3.85	1.49	0.00	36.35	3.85	1.49	0.00

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.49	0.00
36.45	3.85	1.49	0.00
36.50	3.85	1.49	0.00
36.55	3.85	1.49	0.00
36.60	3.85	1.49	0.00
36.65	3.85	1.49	0.00
36.70	3.85	1.49	0.00
36.75	3.85	1.49	0.00
36.80	3.85	1.49	0.00
36.85	3.85	1.49	0.00
36.90	3.85	1.49	0.00
36.95	3.85	1.49	0.00
37.00	3.85	1.49	0.00
37.05	3.85	1.49	0.00
37.10	3.85	1.49	0.00
37.15	3.85	1.49	0.00
37.20	3.85	1.49	0.00
37.25	3.85	1.49	0.00
37.30	3.85	1.49	0.00
37.35	3.85	1.49	0.00
37.40	3.85	1.49	0.00
37.45	3.85	1.49	0.00
37.50	3.85	1.49	0.00
37.55	3.85	1.49	0.00
37.60	3.85	1.49	0.00
37.65	3.85	1.49	0.00
37.70	3.85	1.49	0.00
37.75	3.85	1.49	0.00
37.80	3.85	1.49	0.00
37.85	3.85	1.49	0.00
37.90	3.85	1.49	0.00
37.95	3.85	1.49	0.00
38.00	3.85	1.49	0.00
38.05	3.85	1.49	0.00
38.10	3.85	1.49	0.00
38.15	3.85	1.49	0.00
38.20	3.85	1.49	0.00
38.25	3.85	1.49	0.00
38.30	3.85	1.49	0.00
38.35	3.85	1.49	0.00
38.40	3.85	1.49	0.00
38.45	3.85	1.49	0.00
38.50	3.85	1.49	0.00
38.55	3.85	1.49	0.00
38.60	3.85	1.49	0.00
38.65	3.85	1.49	0.00
38.70	3.85	1.49	0.00
38.75	3.85	1.49	0.00
38.80	3.85	1.49	0.00
38.85	3.85	1.49	0.00
38.90	3.85	1.49	0.00
38.95	3.85	1.49	0.00
39.00	3.85	1.49	0.00
39.05	3.85	1.49	0.00
39.10	3.85	1.49	0.00
39.15	3.85	1.49	0.00
39.20	3.85	1.49	0.00
39.25	3.85	1.49	0.00
39.30	3.85	1.49	0.00
39.35	3.85	1.49	0.00
39.40	3.85	1.49	0.00
39.45	3.85	1.49	0.00
39.50	3.85	1.49	0.00
39.55	3.85	1.49	0.00
39.60	3.85	1.49	0.00
39.65	3.85	1.49	0.00
39.70	3.85	1.49	0.00
39.75	3.85	1.49	0.00
39.80	3.85	1.49	0.00
39.85	3.85	1.49	0.00
39.90	3.85	1.49	0.00
39.95	3.85	1.49	0.00
40.00	3.85	1.49	0.00

Summary for Subcatchment 54l: PDA-54 (impervious)

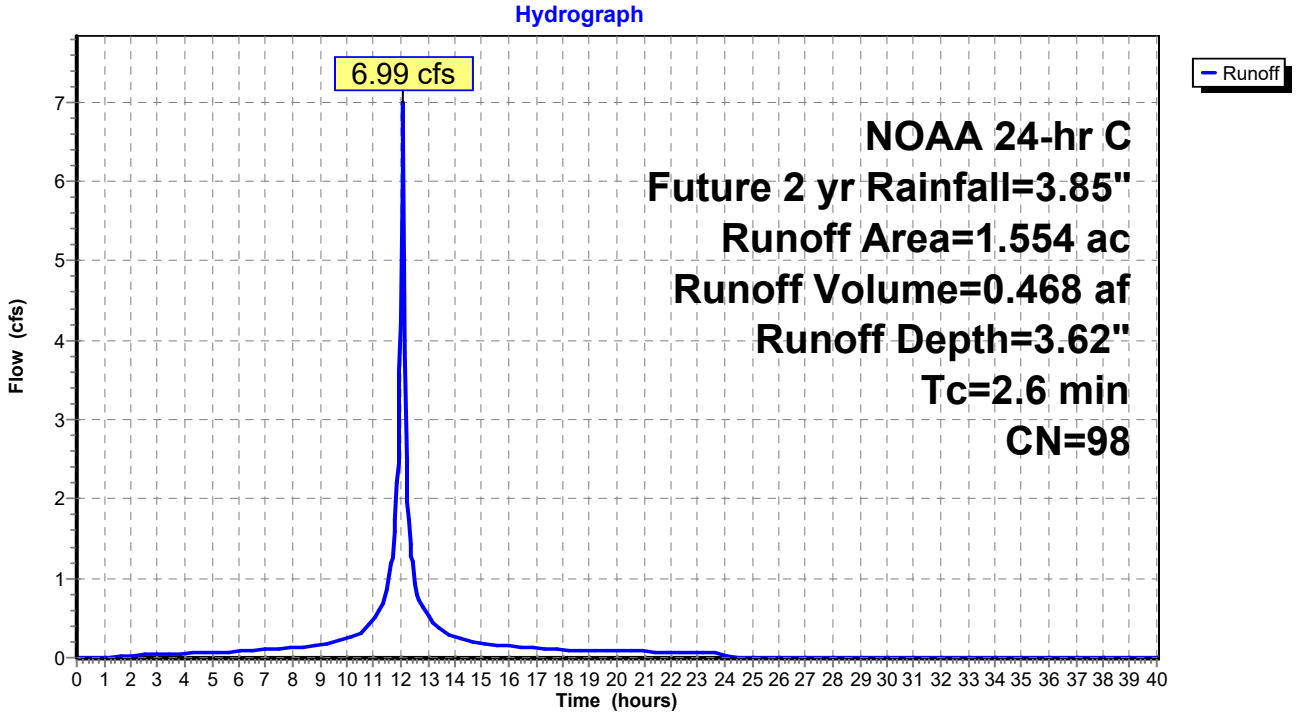
Runoff = 6.99 cfs @ 12.08 hrs, Volume= 0.468 af, Depth= 3.62"
Routed to Pond B-54 : Basin #54

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

	Area (ac)	CN	Description
*	0.983	98	Pavement, HSG C
*	0.361	98	Roof, HSG C
*	0.210	98	Concrete, HSG C
	1.554	98	Weighted Average
	1.554		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.6					**Direct Entry,**

Subcatchment 54l: PDA-54 (impervious)



Hydrograph for Subcatchment 54I: PDA-54 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.02	0.04
0.05	0.00	0.00	0.00	2.65	0.12	0.02	0.04
0.10	0.00	0.00	0.00	2.70	0.12	0.02	0.04
0.15	0.01	0.00	0.00	2.75	0.12	0.02	0.04
0.20	0.01	0.00	0.00	2.80	0.13	0.02	0.04
0.25	0.01	0.00	0.00	2.85	0.13	0.03	0.04
0.30	0.01	0.00	0.00	2.90	0.13	0.03	0.04
0.35	0.01	0.00	0.00	2.95	0.13	0.03	0.04
0.40	0.02	0.00	0.00	3.00	0.14	0.03	0.04
0.45	0.02	0.00	0.00	3.05	0.14	0.03	0.04
0.50	0.02	0.00	0.00	3.10	0.14	0.03	0.04
0.55	0.02	0.00	0.00	3.15	0.14	0.03	0.04
0.60	0.03	0.00	0.00	3.20	0.15	0.04	0.04
0.65	0.03	0.00	0.00	3.25	0.15	0.04	0.05
0.70	0.03	0.00	0.00	3.30	0.15	0.04	0.05
0.75	0.03	0.00	0.00	3.35	0.15	0.04	0.05
0.80	0.03	0.00	0.00	3.40	0.16	0.04	0.05
0.85	0.04	0.00	0.00	3.45	0.16	0.04	0.05
0.90	0.04	0.00	0.00	3.50	0.16	0.04	0.05
0.95	0.04	0.00	0.00	3.55	0.16	0.05	0.05
1.00	0.04	0.00	0.00	3.60	0.17	0.05	0.05
1.05	0.04	0.00	0.00	3.65	0.17	0.05	0.05
1.10	0.05	0.00	0.00	3.70	0.17	0.05	0.05
1.15	0.05	0.00	0.00	3.75	0.17	0.05	0.05
1.20	0.05	0.00	0.01	3.80	0.18	0.05	0.05
1.25	0.05	0.00	0.01	3.85	0.18	0.06	0.05
1.30	0.06	0.00	0.01	3.90	0.18	0.06	0.05
1.35	0.06	0.00	0.01	3.95	0.19	0.06	0.06
1.40	0.06	0.00	0.01	4.00	0.19	0.06	0.06
1.45	0.06	0.00	0.01	4.05	0.19	0.06	0.06
1.50	0.06	0.00	0.01	4.10	0.19	0.07	0.06
1.55	0.07	0.00	0.01	4.15	0.20	0.07	0.06
1.60	0.07	0.00	0.02	4.20	0.20	0.07	0.06
1.65	0.07	0.00	0.02	4.25	0.20	0.07	0.06
1.70	0.07	0.00	0.02	4.30	0.20	0.07	0.06
1.75	0.08	0.01	0.02	4.35	0.21	0.08	0.06
1.80	0.08	0.01	0.02	4.40	0.21	0.08	0.06
1.85	0.08	0.01	0.02	4.45	0.21	0.08	0.06
1.90	0.08	0.01	0.02	4.50	0.22	0.08	0.06
1.95	0.08	0.01	0.02	4.55	0.22	0.08	0.06
2.00	0.09	0.01	0.02	4.60	0.22	0.09	0.06
2.05	0.09	0.01	0.02	4.65	0.22	0.09	0.06
2.10	0.09	0.01	0.03	4.70	0.23	0.09	0.06
2.15	0.09	0.01	0.03	4.75	0.23	0.09	0.07
2.20	0.10	0.01	0.03	4.80	0.23	0.09	0.07
2.25	0.10	0.01	0.03	4.85	0.24	0.10	0.07
2.30	0.10	0.01	0.03	4.90	0.24	0.10	0.07
2.35	0.10	0.01	0.03	4.95	0.24	0.10	0.07
2.40	0.11	0.02	0.03	5.00	0.24	0.10	0.07
2.45	0.11	0.02	0.03	5.05	0.25	0.10	0.07
2.50	0.11	0.02	0.03	5.10	0.25	0.11	0.07
2.55	0.11	0.02	0.03	5.15	0.25	0.11	0.07

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.11	0.07	7.80	0.44	0.27	0.12
5.25	0.26	0.11	0.07	7.85	0.45	0.27	0.13
5.30	0.26	0.12	0.07	7.90	0.45	0.27	0.13
5.35	0.27	0.12	0.07	7.95	0.46	0.28	0.13
5.40	0.27	0.12	0.07	8.00	0.46	0.28	0.13
5.45	0.27	0.12	0.07	8.05	0.47	0.29	0.13
5.50	0.27	0.12	0.07	8.10	0.47	0.29	0.13
5.55	0.28	0.13	0.07	8.15	0.48	0.30	0.13
5.60	0.28	0.13	0.07	8.20	0.48	0.30	0.13
5.65	0.28	0.13	0.08	8.25	0.49	0.30	0.14
5.70	0.29	0.13	0.08	8.30	0.49	0.31	0.14
5.75	0.29	0.14	0.08	8.35	0.49	0.31	0.14
5.80	0.29	0.14	0.08	8.40	0.50	0.32	0.14
5.85	0.30	0.14	0.08	8.45	0.50	0.32	0.14
5.90	0.30	0.14	0.08	8.50	0.51	0.33	0.14
5.95	0.30	0.15	0.08	8.55	0.51	0.33	0.14
6.00	0.31	0.15	0.08	8.60	0.52	0.34	0.14
6.05	0.31	0.15	0.08	8.65	0.53	0.34	0.15
6.10	0.31	0.15	0.08	8.70	0.53	0.35	0.15
6.15	0.31	0.16	0.08	8.75	0.54	0.35	0.15
6.20	0.32	0.16	0.08	8.80	0.54	0.36	0.15
6.25	0.32	0.16	0.09	8.85	0.55	0.36	0.15
6.30	0.32	0.17	0.09	8.90	0.55	0.36	0.15
6.35	0.33	0.17	0.09	8.95	0.56	0.37	0.15
6.40	0.33	0.17	0.09	9.00	0.56	0.37	0.16
6.45	0.33	0.17	0.09	9.05	0.57	0.38	0.16
6.50	0.34	0.18	0.09	9.10	0.57	0.39	0.16
6.55	0.34	0.18	0.09	9.15	0.58	0.39	0.17
6.60	0.35	0.18	0.09	9.20	0.59	0.40	0.17
6.65	0.35	0.19	0.10	9.25	0.59	0.40	0.18
6.70	0.35	0.19	0.10	9.30	0.60	0.41	0.18
6.75	0.36	0.19	0.10	9.35	0.60	0.41	0.19
6.80	0.36	0.19	0.10	9.40	0.61	0.42	0.19
6.85	0.36	0.20	0.10	9.45	0.62	0.43	0.20
6.90	0.37	0.20	0.10	9.50	0.62	0.43	0.20
6.95	0.37	0.20	0.10	9.55	0.63	0.44	0.21
7.00	0.38	0.21	0.10	9.60	0.64	0.45	0.21
7.05	0.38	0.21	0.11	9.65	0.65	0.45	0.21
7.10	0.38	0.21	0.11	9.70	0.65	0.46	0.22
7.15	0.39	0.22	0.11	9.75	0.66	0.47	0.22
7.20	0.39	0.22	0.11	9.80	0.67	0.47	0.23
7.25	0.40	0.23	0.11	9.85	0.68	0.48	0.23
7.30	0.40	0.23	0.11	9.90	0.69	0.49	0.24
7.35	0.40	0.23	0.11	9.95	0.69	0.50	0.24
7.40	0.41	0.24	0.11	10.00	0.70	0.51	0.24
7.45	0.41	0.24	0.12	10.05	0.71	0.51	0.25
7.50	0.42	0.24	0.12	10.10	0.72	0.52	0.25
7.55	0.42	0.25	0.12	10.15	0.73	0.53	0.26
7.60	0.43	0.25	0.12	10.20	0.74	0.54	0.26
7.65	0.43	0.25	0.12	10.25	0.75	0.55	0.27
7.70	0.43	0.26	0.12	10.30	0.76	0.56	0.27
7.75	0.44	0.26	0.12	10.35	0.76	0.56	0.28

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.57	0.28	13.00	2.93	2.69	0.54
10.45	0.78	0.58	0.29	13.05	2.94	2.71	0.50
10.50	0.79	0.59	0.29	13.10	2.96	2.73	0.48
10.55	0.80	0.60	0.31	13.15	2.97	2.74	0.45
10.60	0.82	0.61	0.32	13.20	2.98	2.75	0.44
10.65	0.83	0.62	0.35	13.25	3.00	2.77	0.42
10.70	0.84	0.64	0.36	13.30	3.01	2.78	0.41
10.75	0.85	0.65	0.38	13.35	3.02	2.79	0.38
10.80	0.87	0.66	0.39	13.40	3.03	2.80	0.37
10.85	0.88	0.67	0.42	13.45	3.05	2.81	0.35
10.90	0.89	0.69	0.43	13.50	3.06	2.82	0.34
10.95	0.91	0.70	0.45	13.55	3.07	2.83	0.31
11.00	0.92	0.72	0.46	13.60	3.08	2.84	0.30
11.05	0.94	0.73	0.50	13.65	3.09	2.85	0.30
11.10	0.96	0.75	0.52	13.70	3.09	2.86	0.29
11.15	0.98	0.77	0.57	13.75	3.10	2.87	0.29
11.20	1.00	0.79	0.59	13.80	3.11	2.88	0.29
11.25	1.02	0.81	0.63	13.85	3.12	2.89	0.28
11.30	1.04	0.83	0.65	13.90	3.13	2.90	0.28
11.35	1.06	0.85	0.70	13.95	3.14	2.91	0.27
11.40	1.09	0.88	0.72	14.00	3.15	2.92	0.27
11.45	1.11	0.90	0.75	14.05	3.16	2.92	0.26
11.50	1.14	0.92	0.78	14.10	3.16	2.93	0.26
11.55	1.18	0.96	1.06	14.15	3.17	2.94	0.25
11.60	1.22	1.00	1.19	14.20	3.18	2.95	0.25
11.65	1.26	1.04	1.24	14.25	3.19	2.96	0.24
11.70	1.30	1.08	1.27	14.30	3.20	2.96	0.24
11.75	1.35	1.14	1.58	14.35	3.20	2.97	0.23
11.80	1.41	1.19	1.74	14.40	3.21	2.98	0.23
11.85	1.49	1.27	2.19	14.45	3.22	2.99	0.23
11.90	1.57	1.34	2.44	14.50	3.23	2.99	0.22
11.95	1.70	1.48	3.62	14.55	3.23	3.00	0.22
12.00	1.83	1.61	4.20	14.60	3.24	3.01	0.21
12.05	2.06	1.83	6.11	14.65	3.25	3.01	0.21
12.10	2.28	2.06	**6.82**	14.70	3.25	3.02	0.20
12.15	2.36	2.13	3.84	14.75	3.26	3.03	0.20
12.20	2.44	2.21	2.49	14.80	3.26	3.03	0.20
12.25	2.50	2.27	1.96	14.85	3.27	3.04	0.19
12.30	2.55	2.32	1.75	14.90	3.28	3.04	0.19
12.35	2.59	2.36	1.42	14.95	3.28	3.05	0.18
12.40	2.63	2.40	1.28	15.00	3.29	3.05	0.18
12.45	2.67	2.44	1.23	15.05	3.29	3.06	0.17
12.50	2.71	2.48	1.20	15.10	3.30	3.07	0.17
12.55	2.74	2.51	0.92	15.15	3.30	3.07	0.17
12.60	2.76	2.53	0.79	15.20	3.31	3.08	0.17
12.65	2.79	2.56	0.75	15.25	3.31	3.08	0.16
12.70	2.81	2.58	0.73	15.30	3.32	3.09	0.16
12.75	2.83	2.60	0.69	15.35	3.32	3.09	0.16
12.80	2.85	2.62	0.67	15.40	3.33	3.10	0.16
12.85	2.87	2.64	0.63	15.45	3.34	3.10	0.16
12.90	2.89	2.66	0.60	15.50	3.34	3.11	0.16
12.95	2.91	2.68	0.56	15.55	3.35	3.11	0.16

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	3.12	0.16	18.20	3.56	3.32	0.10
15.65	3.36	3.12	0.15	18.25	3.56	3.33	0.10
15.70	3.36	3.13	0.15	18.30	3.56	3.33	0.10
15.75	3.36	3.13	0.15	18.35	3.57	3.33	0.10
15.80	3.37	3.14	0.15	18.40	3.57	3.34	0.10
15.85	3.37	3.14	0.15	18.45	3.57	3.34	0.09
15.90	3.38	3.15	0.15	18.50	3.58	3.34	0.09
15.95	3.38	3.15	0.15	18.55	3.58	3.34	0.09
16.00	3.39	3.16	0.15	18.60	3.58	3.35	0.09
16.05	3.39	3.16	0.15	18.65	3.58	3.35	0.09
16.10	3.40	3.16	0.14	18.70	3.59	3.35	0.09
16.15	3.40	3.17	0.14	18.75	3.59	3.36	0.09
16.20	3.41	3.17	0.14	18.80	3.59	3.36	0.09
16.25	3.41	3.18	0.14	18.85	3.60	3.36	0.09
16.30	3.42	3.18	0.14	18.90	3.60	3.37	0.09
16.35	3.42	3.19	0.14	18.95	3.60	3.37	0.09
16.40	3.42	3.19	0.14	19.00	3.61	3.37	0.09
16.45	3.43	3.20	0.14	19.05	3.61	3.37	0.09
16.50	3.43	3.20	0.13	19.10	3.61	3.38	0.09
16.55	3.44	3.20	0.13	19.15	3.61	3.38	0.09
16.60	3.44	3.21	0.13	19.20	3.62	3.38	0.09
16.65	3.45	3.21	0.13	19.25	3.62	3.39	0.09
16.70	3.45	3.22	0.13	19.30	3.62	3.39	0.09
16.75	3.45	3.22	0.13	19.35	3.63	3.39	0.09
16.80	3.46	3.23	0.13	19.40	3.63	3.39	0.09
16.85	3.46	3.23	0.13	19.45	3.63	3.40	0.09
16.90	3.47	3.23	0.13	19.50	3.63	3.40	0.09
16.95	3.47	3.24	0.12	19.55	3.64	3.40	0.09
17.00	3.47	3.24	0.12	19.60	3.64	3.41	0.09
17.05	3.48	3.24	0.12	19.65	3.64	3.41	0.09
17.10	3.48	3.25	0.12	19.70	3.65	3.41	0.09
17.15	3.49	3.25	0.12	19.75	3.65	3.41	0.09
17.20	3.49	3.26	0.12	19.80	3.65	3.42	0.09
17.25	3.49	3.26	0.12	19.85	3.65	3.42	0.09
17.30	3.50	3.26	0.12	19.90	3.66	3.42	0.09
17.35	3.50	3.27	0.11	19.95	3.66	3.42	0.09
17.40	3.50	3.27	0.11	20.00	3.66	3.43	0.09
17.45	3.51	3.27	0.11	20.05	3.66	3.43	0.09
17.50	3.51	3.28	0.11	20.10	3.67	3.43	0.08
17.55	3.52	3.28	0.11	20.15	3.67	3.44	0.08
17.60	3.52	3.28	0.11	20.20	3.67	3.44	0.08
17.65	3.52	3.29	0.11	20.25	3.68	3.44	0.08
17.70	3.53	3.29	0.11	20.30	3.68	3.44	0.08
17.75	3.53	3.30	0.10	20.35	3.68	3.45	0.08
17.80	3.53	3.30	0.10	20.40	3.68	3.45	0.08
17.85	3.54	3.30	0.10	20.45	3.69	3.45	0.08
17.90	3.54	3.30	0.10	20.50	3.69	3.45	0.08
17.95	3.54	3.31	0.10	20.55	3.69	3.46	0.08
18.00	3.54	3.31	0.10	20.60	3.69	3.46	0.08
18.05	3.55	3.31	0.10	20.65	3.70	3.46	0.08
18.10	3.55	3.32	0.10	20.70	3.70	3.46	0.08
18.15	3.55	3.32	0.10	20.75	3.70	3.47	0.08

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	3.47	0.08	23.40	3.82	3.59	0.07
20.85	3.71	3.47	0.08	23.45	3.83	3.59	0.06
20.90	3.71	3.47	0.08	23.50	3.83	3.59	0.06
20.95	3.71	3.48	0.08	23.55	3.83	3.60	0.06
21.00	3.71	3.48	0.08	23.60	3.83	3.60	0.06
21.05	3.72	3.48	0.08	23.65	3.84	3.60	0.06
21.10	3.72	3.49	0.08	23.70	3.84	3.60	0.06
21.15	3.72	3.49	0.08	23.75	3.84	3.60	0.06
21.20	3.72	3.49	0.08	23.80	3.84	3.61	0.06
21.25	3.73	3.49	0.08	23.85	3.84	3.61	0.06
21.30	3.73	3.50	0.08	23.90	3.85	3.61	0.06
21.35	3.73	3.50	0.08	23.95	3.85	3.61	0.07
21.40	3.73	3.50	0.08	24.00	**3.85**	**3.62**	0.07
21.45	3.74	3.50	0.08	24.05	3.85	3.62	0.02
21.50	3.74	3.50	0.08	24.10	3.85	3.62	0.00
21.55	3.74	3.51	0.08	24.15	3.85	3.62	0.00
21.60	3.74	3.51	0.08	24.20	3.85	3.62	0.00
21.65	3.75	3.51	0.08	24.25	3.85	3.62	0.00
21.70	3.75	3.51	0.08	24.30	3.85	3.62	0.00
21.75	3.75	3.52	0.08	24.35	3.85	3.62	0.00
21.80	3.75	3.52	0.08	24.40	3.85	3.62	0.00
21.85	3.76	3.52	0.07	24.45	3.85	3.62	0.00
21.90	3.76	3.52	0.07	24.50	3.85	3.62	0.00
21.95	3.76	3.53	0.07	24.55	3.85	3.62	0.00
22.00	3.76	3.53	0.07	24.60	3.85	3.62	0.00
22.05	3.77	3.53	0.07	24.65	3.85	3.62	0.00
22.10	3.77	3.53	0.07	24.70	3.85	3.62	0.00
22.15	3.77	3.54	0.07	24.75	3.85	3.62	0.00
22.20	3.77	3.54	0.07	24.80	3.85	3.62	0.00
22.25	3.77	3.54	0.07	24.85	3.85	3.62	0.00
22.30	3.78	3.54	0.07	24.90	3.85	3.62	0.00
22.35	3.78	3.54	0.07	24.95	3.85	3.62	0.00
22.40	3.78	3.55	0.07	25.00	3.85	3.62	0.00
22.45	3.78	3.55	0.07	25.05	3.85	3.62	0.00
22.50	3.79	3.55	0.07	25.10	3.85	3.62	0.00
22.55	3.79	3.55	0.07	25.15	3.85	3.62	0.00
22.60	3.79	3.56	0.07	25.20	3.85	3.62	0.00
22.65	3.79	3.56	0.07	25.25	3.85	3.62	0.00
22.70	3.79	3.56	0.07	25.30	3.85	3.62	0.00
22.75	3.80	3.56	0.07	25.35	3.85	3.62	0.00
22.80	3.80	3.56	0.07	25.40	3.85	3.62	0.00
22.85	3.80	3.57	0.07	25.45	3.85	3.62	0.00
22.90	3.80	3.57	0.07	25.50	3.85	3.62	0.00
22.95	3.81	3.57	0.07	25.55	3.85	3.62	0.00
23.00	3.81	3.57	0.07	25.60	3.85	3.62	0.00
23.05	3.81	3.58	0.07	25.65	3.85	3.62	0.00
23.10	3.81	3.58	0.07	25.70	3.85	3.62	0.00
23.15	3.81	3.58	0.07	25.75	3.85	3.62	0.00
23.20	3.82	3.58	0.07	25.80	3.85	3.62	0.00
23.25	3.82	3.58	0.07	25.85	3.85	3.62	0.00
23.30	3.82	3.59	0.07	25.90	3.85	3.62	0.00
23.35	3.82	3.59	0.07	25.95	3.85	3.62	0.00

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	3.62	0.00	28.60	3.85	3.62	0.00
26.05	3.85	3.62	0.00	28.65	3.85	3.62	0.00
26.10	3.85	3.62	0.00	28.70	3.85	3.62	0.00
26.15	3.85	3.62	0.00	28.75	3.85	3.62	0.00
26.20	3.85	3.62	0.00	28.80	3.85	3.62	0.00
26.25	3.85	3.62	0.00	28.85	3.85	3.62	0.00
26.30	3.85	3.62	0.00	28.90	3.85	3.62	0.00
26.35	3.85	3.62	0.00	28.95	3.85	3.62	0.00
26.40	3.85	3.62	0.00	29.00	3.85	3.62	0.00
26.45	3.85	3.62	0.00	29.05	3.85	3.62	0.00
26.50	3.85	3.62	0.00	29.10	3.85	3.62	0.00
26.55	3.85	3.62	0.00	29.15	3.85	3.62	0.00
26.60	3.85	3.62	0.00	29.20	3.85	3.62	0.00
26.65	3.85	3.62	0.00	29.25	3.85	3.62	0.00
26.70	3.85	3.62	0.00	29.30	3.85	3.62	0.00
26.75	3.85	3.62	0.00	29.35	3.85	3.62	0.00
26.80	3.85	3.62	0.00	29.40	3.85	3.62	0.00
26.85	3.85	3.62	0.00	29.45	3.85	3.62	0.00
26.90	3.85	3.62	0.00	29.50	3.85	3.62	0.00
26.95	3.85	3.62	0.00	29.55	3.85	3.62	0.00
27.00	3.85	3.62	0.00	29.60	3.85	3.62	0.00
27.05	3.85	3.62	0.00	29.65	3.85	3.62	0.00
27.10	3.85	3.62	0.00	29.70	3.85	3.62	0.00
27.15	3.85	3.62	0.00	29.75	3.85	3.62	0.00
27.20	3.85	3.62	0.00	29.80	3.85	3.62	0.00
27.25	3.85	3.62	0.00	29.85	3.85	3.62	0.00
27.30	3.85	3.62	0.00	29.90	3.85	3.62	0.00
27.35	3.85	3.62	0.00	29.95	3.85	3.62	0.00
27.40	3.85	3.62	0.00	30.00	3.85	3.62	0.00
27.45	3.85	3.62	0.00	30.05	3.85	3.62	0.00
27.50	3.85	3.62	0.00	30.10	3.85	3.62	0.00
27.55	3.85	3.62	0.00	30.15	3.85	3.62	0.00
27.60	3.85	3.62	0.00	30.20	3.85	3.62	0.00
27.65	3.85	3.62	0.00	30.25	3.85	3.62	0.00
27.70	3.85	3.62	0.00	30.30	3.85	3.62	0.00
27.75	3.85	3.62	0.00	30.35	3.85	3.62	0.00
27.80	3.85	3.62	0.00	30.40	3.85	3.62	0.00
27.85	3.85	3.62	0.00	30.45	3.85	3.62	0.00
27.90	3.85	3.62	0.00	30.50	3.85	3.62	0.00
27.95	3.85	3.62	0.00	30.55	3.85	3.62	0.00
28.00	3.85	3.62	0.00	30.60	3.85	3.62	0.00
28.05	3.85	3.62	0.00	30.65	3.85	3.62	0.00
28.10	3.85	3.62	0.00	30.70	3.85	3.62	0.00
28.15	3.85	3.62	0.00	30.75	3.85	3.62	0.00
28.20	3.85	3.62	0.00	30.80	3.85	3.62	0.00
28.25	3.85	3.62	0.00	30.85	3.85	3.62	0.00
28.30	3.85	3.62	0.00	30.90	3.85	3.62	0.00
28.35	3.85	3.62	0.00	30.95	3.85	3.62	0.00
28.40	3.85	3.62	0.00	31.00	3.85	3.62	0.00
28.45	3.85	3.62	0.00	31.05	3.85	3.62	0.00
28.50	3.85	3.62	0.00	31.10	3.85	3.62	0.00
28.55	3.85	3.62	0.00	31.15	3.85	3.62	0.00

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	3.62	0.00	33.80	3.85	3.62	0.00
31.25	3.85	3.62	0.00	33.85	3.85	3.62	0.00
31.30	3.85	3.62	0.00	33.90	3.85	3.62	0.00
31.35	3.85	3.62	0.00	33.95	3.85	3.62	0.00
31.40	3.85	3.62	0.00	34.00	3.85	3.62	0.00
31.45	3.85	3.62	0.00	34.05	3.85	3.62	0.00
31.50	3.85	3.62	0.00	34.10	3.85	3.62	0.00
31.55	3.85	3.62	0.00	34.15	3.85	3.62	0.00
31.60	3.85	3.62	0.00	34.20	3.85	3.62	0.00
31.65	3.85	3.62	0.00	34.25	3.85	3.62	0.00
31.70	3.85	3.62	0.00	34.30	3.85	3.62	0.00
31.75	3.85	3.62	0.00	34.35	3.85	3.62	0.00
31.80	3.85	3.62	0.00	34.40	3.85	3.62	0.00
31.85	3.85	3.62	0.00	34.45	3.85	3.62	0.00
31.90	3.85	3.62	0.00	34.50	3.85	3.62	0.00
31.95	3.85	3.62	0.00	34.55	3.85	3.62	0.00
32.00	3.85	3.62	0.00	34.60	3.85	3.62	0.00
32.05	3.85	3.62	0.00	34.65	3.85	3.62	0.00
32.10	3.85	3.62	0.00	34.70	3.85	3.62	0.00
32.15	3.85	3.62	0.00	34.75	3.85	3.62	0.00
32.20	3.85	3.62	0.00	34.80	3.85	3.62	0.00
32.25	3.85	3.62	0.00	34.85	3.85	3.62	0.00
32.30	3.85	3.62	0.00	34.90	3.85	3.62	0.00
32.35	3.85	3.62	0.00	34.95	3.85	3.62	0.00
32.40	3.85	3.62	0.00	35.00	3.85	3.62	0.00
32.45	3.85	3.62	0.00	35.05	3.85	3.62	0.00
32.50	3.85	3.62	0.00	35.10	3.85	3.62	0.00
32.55	3.85	3.62	0.00	35.15	3.85	3.62	0.00
32.60	3.85	3.62	0.00	35.20	3.85	3.62	0.00
32.65	3.85	3.62	0.00	35.25	3.85	3.62	0.00
32.70	3.85	3.62	0.00	35.30	3.85	3.62	0.00
32.75	3.85	3.62	0.00	35.35	3.85	3.62	0.00
32.80	3.85	3.62	0.00	35.40	3.85	3.62	0.00
32.85	3.85	3.62	0.00	35.45	3.85	3.62	0.00
32.90	3.85	3.62	0.00	35.50	3.85	3.62	0.00
32.95	3.85	3.62	0.00	35.55	3.85	3.62	0.00
33.00	3.85	3.62	0.00	35.60	3.85	3.62	0.00
33.05	3.85	3.62	0.00	35.65	3.85	3.62	0.00
33.10	3.85	3.62	0.00	35.70	3.85	3.62	0.00
33.15	3.85	3.62	0.00	35.75	3.85	3.62	0.00
33.20	3.85	3.62	0.00	35.80	3.85	3.62	0.00
33.25	3.85	3.62	0.00	35.85	3.85	3.62	0.00
33.30	3.85	3.62	0.00	35.90	3.85	3.62	0.00
33.35	3.85	3.62	0.00	35.95	3.85	3.62	0.00
33.40	3.85	3.62	0.00	36.00	3.85	3.62	0.00
33.45	3.85	3.62	0.00	36.05	3.85	3.62	0.00
33.50	3.85	3.62	0.00	36.10	3.85	3.62	0.00
33.55	3.85	3.62	0.00	36.15	3.85	3.62	0.00
33.60	3.85	3.62	0.00	36.20	3.85	3.62	0.00
33.65	3.85	3.62	0.00	36.25	3.85	3.62	0.00
33.70	3.85	3.62	0.00	36.30	3.85	3.62	0.00
33.75	3.85	3.62	0.00	36.35	3.85	3.62	0.00

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	3.62	0.00
36.45	3.85	3.62	0.00
36.50	3.85	3.62	0.00
36.55	3.85	3.62	0.00
36.60	3.85	3.62	0.00
36.65	3.85	3.62	0.00
36.70	3.85	3.62	0.00
36.75	3.85	3.62	0.00
36.80	3.85	3.62	0.00
36.85	3.85	3.62	0.00
36.90	3.85	3.62	0.00
36.95	3.85	3.62	0.00
37.00	3.85	3.62	0.00
37.05	3.85	3.62	0.00
37.10	3.85	3.62	0.00
37.15	3.85	3.62	0.00
37.20	3.85	3.62	0.00
37.25	3.85	3.62	0.00
37.30	3.85	3.62	0.00
37.35	3.85	3.62	0.00
37.40	3.85	3.62	0.00
37.45	3.85	3.62	0.00
37.50	3.85	3.62	0.00
37.55	3.85	3.62	0.00
37.60	3.85	3.62	0.00
37.65	3.85	3.62	0.00
37.70	3.85	3.62	0.00
37.75	3.85	3.62	0.00
37.80	3.85	3.62	0.00
37.85	3.85	3.62	0.00
37.90	3.85	3.62	0.00
37.95	3.85	3.62	0.00
38.00	3.85	3.62	0.00
38.05	3.85	3.62	0.00
38.10	3.85	3.62	0.00
38.15	3.85	3.62	0.00
38.20	3.85	3.62	0.00
38.25	3.85	3.62	0.00
38.30	3.85	3.62	0.00
38.35	3.85	3.62	0.00
38.40	3.85	3.62	0.00
38.45	3.85	3.62	0.00
38.50	3.85	3.62	0.00
38.55	3.85	3.62	0.00
38.60	3.85	3.62	0.00
38.65	3.85	3.62	0.00
38.70	3.85	3.62	0.00
38.75	3.85	3.62	0.00
38.80	3.85	3.62	0.00
38.85	3.85	3.62	0.00
38.90	3.85	3.62	0.00
38.95	3.85	3.62	0.00
39.00	3.85	3.62	0.00
39.05	3.85	3.62	0.00
39.10	3.85	3.62	0.00
39.15	3.85	3.62	0.00
39.20	3.85	3.62	0.00
39.25	3.85	3.62	0.00
39.30	3.85	3.62	0.00
39.35	3.85	3.62	0.00
39.40	3.85	3.62	0.00
39.45	3.85	3.62	0.00
39.50	3.85	3.62	0.00
39.55	3.85	3.62	0.00
39.60	3.85	3.62	0.00
39.65	3.85	3.62	0.00
39.70	3.85	3.62	0.00
39.75	3.85	3.62	0.00
39.80	3.85	3.62	0.00
39.85	3.85	3.62	0.00
39.90	3.85	3.62	0.00
39.95	3.85	3.62	0.00
40.00	3.85	3.62	0.00

Summary for Subcatchment 54P: PDA-54 (pervious)

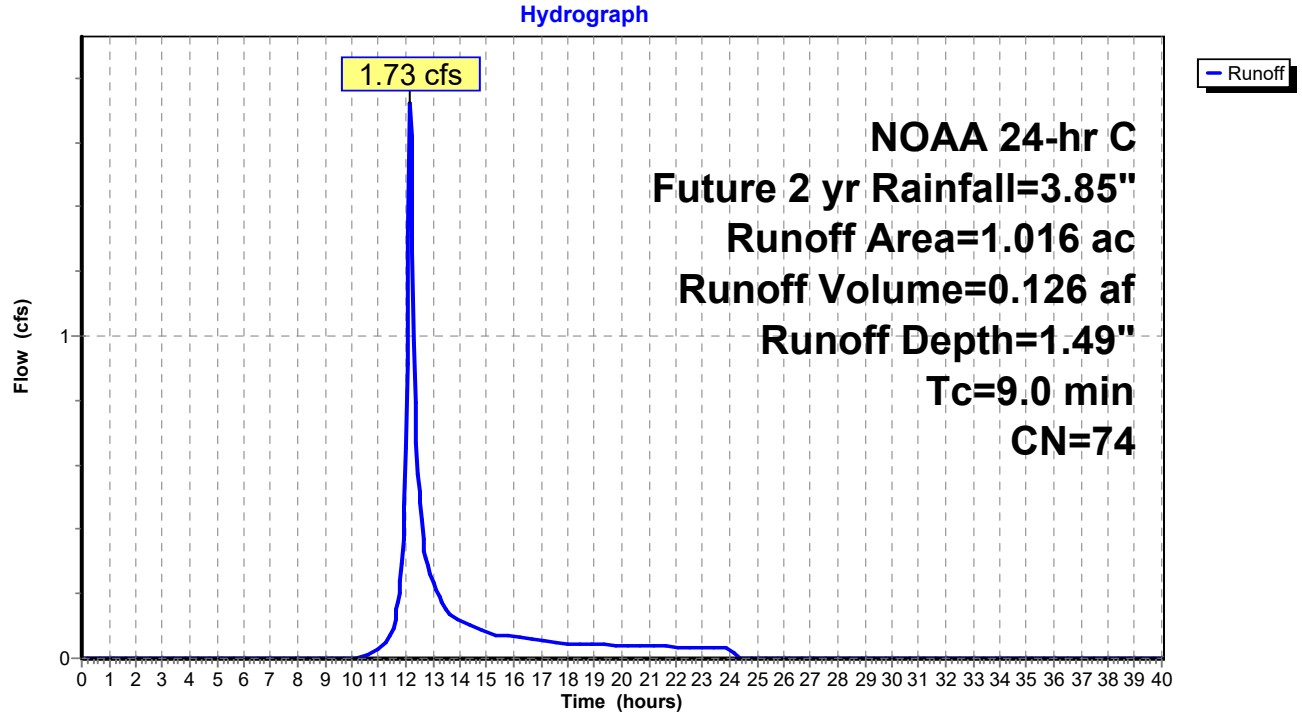
Runoff = 1.73 cfs @ 12.17 hrs, Volume= 0.126 af, Depth= 1.49"
Routed to Pond B-54 : Basin #54

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
1.016	74	>75% Grass cover, Good, HSG C
1.016		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.0					**Direct Entry,**

Subcatchment 54P: PDA-54 (pervious)



Hydrograph for Subcatchment 54P: PDA-54 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.00
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.00

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.00	13.00	2.93	0.86	0.24
10.45	0.78	0.00	0.01	13.05	2.94	0.87	0.23
10.50	0.79	0.00	0.01	13.10	2.96	0.88	0.22
10.55	0.80	0.00	0.01	13.15	2.97	0.89	0.21
10.60	0.82	0.00	0.01	13.20	2.98	0.90	0.20
10.65	0.83	0.00	0.01	13.25	3.00	0.91	0.19
10.70	0.84	0.01	0.01	13.30	3.01	0.92	0.18
10.75	0.85	0.01	0.01	13.35	3.02	0.92	0.17
10.80	0.87	0.01	0.02	13.40	3.03	0.93	0.17
10.85	0.88	0.01	0.02	13.45	3.05	0.94	0.16
10.90	0.89	0.01	0.02	13.50	3.06	0.94	0.15
10.95	0.91	0.01	0.02	13.55	3.07	0.95	0.15
11.00	0.92	0.01	0.03	13.60	3.08	0.96	0.14
11.05	0.94	0.02	0.03	13.65	3.09	0.96	0.13
11.10	0.96	0.02	0.04	13.70	3.09	0.97	0.13
11.15	0.98	0.02	0.04	13.75	3.10	0.97	0.13
11.20	1.00	0.02	0.05	13.80	3.11	0.98	0.12
11.25	1.02	0.03	0.05	13.85	3.12	0.99	0.12
11.30	1.04	0.03	0.06	13.90	3.13	0.99	0.12
11.35	1.06	0.03	0.06	13.95	3.14	1.00	0.12
11.40	1.09	0.04	0.07	14.00	3.15	1.00	0.12
11.45	1.11	0.04	0.08	14.05	3.16	1.01	0.12
11.50	1.14	0.05	0.09	14.10	3.16	1.01	0.11
11.55	1.18	0.06	0.10	14.15	3.17	1.02	0.11
11.60	1.22	0.07	0.12	14.20	3.18	1.02	0.11
11.65	1.26	0.08	0.15	14.25	3.19	1.03	0.11
11.70	1.30	0.09	0.18	14.30	3.20	1.03	0.11
11.75	1.35	0.10	0.20	14.35	3.20	1.04	0.11
11.80	1.41	0.12	0.24	14.40	3.21	1.04	0.10
11.85	1.49	0.14	0.29	14.45	3.22	1.05	0.10
11.90	1.57	0.17	0.37	14.50	3.23	1.05	0.10
11.95	1.70	0.22	0.47	14.55	3.23	1.06	0.10
12.00	1.83	0.28	0.65	14.60	3.24	1.06	0.10
12.05	2.06	0.38	0.91	14.65	3.25	1.07	0.09
12.10	2.28	0.49	1.31	14.70	3.25	1.07	0.09
12.15	2.36	0.53	**1.70**	14.75	3.26	1.08	0.09
12.20	2.44	0.57	1.62	14.80	3.26	1.08	0.09
12.25	2.50	0.61	1.26	14.85	3.27	1.08	0.09
12.30	2.55	0.64	0.98	14.90	3.28	1.09	0.08
12.35	2.59	0.66	0.80	14.95	3.28	1.09	0.08
12.40	2.63	0.69	0.67	15.00	3.29	1.10	0.08
12.45	2.67	0.71	0.57	15.05	3.29	1.10	0.08
12.50	2.71	0.73	0.52	15.10	3.30	1.10	0.08
12.55	2.74	0.75	0.48	15.15	3.30	1.11	0.08
12.60	2.76	0.76	0.43	15.20	3.31	1.11	0.07
12.65	2.79	0.78	0.37	15.25	3.31	1.11	0.07
12.70	2.81	0.79	0.33	15.30	3.32	1.12	0.07
12.75	2.83	0.80	0.31	15.35	3.32	1.12	0.07
12.80	2.85	0.82	0.29	15.40	3.33	1.12	0.07
12.85	2.87	0.83	0.28	15.45	3.34	1.13	0.07
12.90	2.89	0.84	0.27	15.50	3.34	1.13	0.07
12.95	2.91	0.85	0.25	15.55	3.35	1.13	0.07

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	1.14	0.07	18.20	3.56	1.28	0.04
15.65	3.36	1.14	0.07	18.25	3.56	1.28	0.04
15.70	3.36	1.14	0.07	18.30	3.56	1.28	0.04
15.75	3.36	1.15	0.07	18.35	3.57	1.29	0.04
15.80	3.37	1.15	0.07	18.40	3.57	1.29	0.04
15.85	3.37	1.15	0.07	18.45	3.57	1.29	0.04
15.90	3.38	1.16	0.07	18.50	3.58	1.29	0.04
15.95	3.38	1.16	0.07	18.55	3.58	1.29	0.04
16.00	3.39	1.16	0.07	18.60	3.58	1.30	0.04
16.05	3.39	1.17	0.07	18.65	3.58	1.30	0.04
16.10	3.40	1.17	0.07	18.70	3.59	1.30	0.04
16.15	3.40	1.17	0.06	18.75	3.59	1.30	0.04
16.20	3.41	1.18	0.06	18.80	3.59	1.30	0.04
16.25	3.41	1.18	0.06	18.85	3.60	1.31	0.04
16.30	3.42	1.18	0.06	18.90	3.60	1.31	0.04
16.35	3.42	1.19	0.06	18.95	3.60	1.31	0.04
16.40	3.42	1.19	0.06	19.00	3.61	1.31	0.04
16.45	3.43	1.19	0.06	19.05	3.61	1.32	0.04
16.50	3.43	1.19	0.06	19.10	3.61	1.32	0.04
16.55	3.44	1.20	0.06	19.15	3.61	1.32	0.04
16.60	3.44	1.20	0.06	19.20	3.62	1.32	0.04
16.65	3.45	1.20	0.06	19.25	3.62	1.32	0.04
16.70	3.45	1.21	0.06	19.30	3.62	1.33	0.04
16.75	3.45	1.21	0.06	19.35	3.63	1.33	0.04
16.80	3.46	1.21	0.06	19.40	3.63	1.33	0.04
16.85	3.46	1.21	0.06	19.45	3.63	1.33	0.04
16.90	3.47	1.22	0.06	19.50	3.63	1.33	0.04
16.95	3.47	1.22	0.06	19.55	3.64	1.34	0.04
17.00	3.47	1.22	0.06	19.60	3.64	1.34	0.04
17.05	3.48	1.22	0.06	19.65	3.64	1.34	0.04
17.10	3.48	1.23	0.06	19.70	3.65	1.34	0.04
17.15	3.49	1.23	0.05	19.75	3.65	1.34	0.04
17.20	3.49	1.23	0.05	19.80	3.65	1.34	0.04
17.25	3.49	1.24	0.05	19.85	3.65	1.35	0.04
17.30	3.50	1.24	0.05	19.90	3.66	1.35	0.04
17.35	3.50	1.24	0.05	19.95	3.66	1.35	0.04
17.40	3.50	1.24	0.05	20.00	3.66	1.35	0.04
17.45	3.51	1.25	0.05	20.05	3.66	1.35	0.04
17.50	3.51	1.25	0.05	20.10	3.67	1.36	0.04
17.55	3.52	1.25	0.05	20.15	3.67	1.36	0.04
17.60	3.52	1.25	0.05	20.20	3.67	1.36	0.04
17.65	3.52	1.26	0.05	20.25	3.68	1.36	0.04
17.70	3.53	1.26	0.05	20.30	3.68	1.36	0.04
17.75	3.53	1.26	0.05	20.35	3.68	1.37	0.04
17.80	3.53	1.26	0.05	20.40	3.68	1.37	0.04
17.85	3.54	1.26	0.05	20.45	3.69	1.37	0.04
17.90	3.54	1.27	0.05	20.50	3.69	1.37	0.04
17.95	3.54	1.27	0.05	20.55	3.69	1.37	0.04
18.00	3.54	1.27	0.05	20.60	3.69	1.38	0.04
18.05	3.55	1.27	0.05	20.65	3.70	1.38	0.04
18.10	3.55	1.28	0.05	20.70	3.70	1.38	0.04
18.15	3.55	1.28	0.04	20.75	3.70	1.38	0.04

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	1.38	0.04	23.40	3.82	1.47	0.03
20.85	3.71	1.38	0.04	23.45	3.83	1.47	0.03
20.90	3.71	1.39	0.04	23.50	3.83	1.47	0.03
20.95	3.71	1.39	0.04	23.55	3.83	1.47	0.03
21.00	3.71	1.39	0.04	23.60	3.83	1.47	0.03
21.05	3.72	1.39	0.04	23.65	3.84	1.48	0.03
21.10	3.72	1.39	0.04	23.70	3.84	1.48	0.03
21.15	3.72	1.40	0.04	23.75	3.84	1.48	0.03
21.20	3.72	1.40	0.04	23.80	3.84	1.48	0.03
21.25	3.73	1.40	0.04	23.85	3.84	1.48	0.03
21.30	3.73	1.40	0.04	23.90	3.85	1.48	0.03
21.35	3.73	1.40	0.04	23.95	3.85	1.49	0.03
21.40	3.73	1.40	0.04	24.00	**3.85**	**1.49**	0.03
21.45	3.74	1.41	0.04	24.05	3.85	1.49	0.03
21.50	3.74	1.41	0.04	24.10	3.85	1.49	0.02
21.55	3.74	1.41	0.04	24.15	3.85	1.49	0.01
21.60	3.74	1.41	0.04	24.20	3.85	1.49	0.01
21.65	3.75	1.41	0.04	24.25	3.85	1.49	0.00
21.70	3.75	1.41	0.04	24.30	3.85	1.49	0.00
21.75	3.75	1.42	0.04	24.35	3.85	1.49	0.00
21.80	3.75	1.42	0.04	24.40	3.85	1.49	0.00
21.85	3.76	1.42	0.04	24.45	3.85	1.49	0.00
21.90	3.76	1.42	0.04	24.50	3.85	1.49	0.00
21.95	3.76	1.42	0.03	24.55	3.85	1.49	0.00
22.00	3.76	1.42	0.03	24.60	3.85	1.49	0.00
22.05	3.77	1.43	0.03	24.65	3.85	1.49	0.00
22.10	3.77	1.43	0.03	24.70	3.85	1.49	0.00
22.15	3.77	1.43	0.03	24.75	3.85	1.49	0.00
22.20	3.77	1.43	0.03	24.80	3.85	1.49	0.00
22.25	3.77	1.43	0.03	24.85	3.85	1.49	0.00
22.30	3.78	1.43	0.03	24.90	3.85	1.49	0.00
22.35	3.78	1.44	0.03	24.95	3.85	1.49	0.00
22.40	3.78	1.44	0.03	25.00	3.85	1.49	0.00
22.45	3.78	1.44	0.03	25.05	3.85	1.49	0.00
22.50	3.79	1.44	0.03	25.10	3.85	1.49	0.00
22.55	3.79	1.44	0.03	25.15	3.85	1.49	0.00
22.60	3.79	1.44	0.03	25.20	3.85	1.49	0.00
22.65	3.79	1.45	0.03	25.25	3.85	1.49	0.00
22.70	3.79	1.45	0.03	25.30	3.85	1.49	0.00
22.75	3.80	1.45	0.03	25.35	3.85	1.49	0.00
22.80	3.80	1.45	0.03	25.40	3.85	1.49	0.00
22.85	3.80	1.45	0.03	25.45	3.85	1.49	0.00
22.90	3.80	1.45	0.03	25.50	3.85	1.49	0.00
22.95	3.81	1.46	0.03	25.55	3.85	1.49	0.00
23.00	3.81	1.46	0.03	25.60	3.85	1.49	0.00
23.05	3.81	1.46	0.03	25.65	3.85	1.49	0.00
23.10	3.81	1.46	0.03	25.70	3.85	1.49	0.00
23.15	3.81	1.46	0.03	25.75	3.85	1.49	0.00
23.20	3.82	1.46	0.03	25.80	3.85	1.49	0.00
23.25	3.82	1.46	0.03	25.85	3.85	1.49	0.00
23.30	3.82	1.47	0.03	25.90	3.85	1.49	0.00
23.35	3.82	1.47	0.03	25.95	3.85	1.49	0.00

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.49	0.00	28.60	3.85	1.49	0.00
26.05	3.85	1.49	0.00	28.65	3.85	1.49	0.00
26.10	3.85	1.49	0.00	28.70	3.85	1.49	0.00
26.15	3.85	1.49	0.00	28.75	3.85	1.49	0.00
26.20	3.85	1.49	0.00	28.80	3.85	1.49	0.00
26.25	3.85	1.49	0.00	28.85	3.85	1.49	0.00
26.30	3.85	1.49	0.00	28.90	3.85	1.49	0.00
26.35	3.85	1.49	0.00	28.95	3.85	1.49	0.00
26.40	3.85	1.49	0.00	29.00	3.85	1.49	0.00
26.45	3.85	1.49	0.00	29.05	3.85	1.49	0.00
26.50	3.85	1.49	0.00	29.10	3.85	1.49	0.00
26.55	3.85	1.49	0.00	29.15	3.85	1.49	0.00
26.60	3.85	1.49	0.00	29.20	3.85	1.49	0.00
26.65	3.85	1.49	0.00	29.25	3.85	1.49	0.00
26.70	3.85	1.49	0.00	29.30	3.85	1.49	0.00
26.75	3.85	1.49	0.00	29.35	3.85	1.49	0.00
26.80	3.85	1.49	0.00	29.40	3.85	1.49	0.00
26.85	3.85	1.49	0.00	29.45	3.85	1.49	0.00
26.90	3.85	1.49	0.00	29.50	3.85	1.49	0.00
26.95	3.85	1.49	0.00	29.55	3.85	1.49	0.00
27.00	3.85	1.49	0.00	29.60	3.85	1.49	0.00
27.05	3.85	1.49	0.00	29.65	3.85	1.49	0.00
27.10	3.85	1.49	0.00	29.70	3.85	1.49	0.00
27.15	3.85	1.49	0.00	29.75	3.85	1.49	0.00
27.20	3.85	1.49	0.00	29.80	3.85	1.49	0.00
27.25	3.85	1.49	0.00	29.85	3.85	1.49	0.00
27.30	3.85	1.49	0.00	29.90	3.85	1.49	0.00
27.35	3.85	1.49	0.00	29.95	3.85	1.49	0.00
27.40	3.85	1.49	0.00	30.00	3.85	1.49	0.00
27.45	3.85	1.49	0.00	30.05	3.85	1.49	0.00
27.50	3.85	1.49	0.00	30.10	3.85	1.49	0.00
27.55	3.85	1.49	0.00	30.15	3.85	1.49	0.00
27.60	3.85	1.49	0.00	30.20	3.85	1.49	0.00
27.65	3.85	1.49	0.00	30.25	3.85	1.49	0.00
27.70	3.85	1.49	0.00	30.30	3.85	1.49	0.00
27.75	3.85	1.49	0.00	30.35	3.85	1.49	0.00
27.80	3.85	1.49	0.00	30.40	3.85	1.49	0.00
27.85	3.85	1.49	0.00	30.45	3.85	1.49	0.00
27.90	3.85	1.49	0.00	30.50	3.85	1.49	0.00
27.95	3.85	1.49	0.00	30.55	3.85	1.49	0.00
28.00	3.85	1.49	0.00	30.60	3.85	1.49	0.00
28.05	3.85	1.49	0.00	30.65	3.85	1.49	0.00
28.10	3.85	1.49	0.00	30.70	3.85	1.49	0.00
28.15	3.85	1.49	0.00	30.75	3.85	1.49	0.00
28.20	3.85	1.49	0.00	30.80	3.85	1.49	0.00
28.25	3.85	1.49	0.00	30.85	3.85	1.49	0.00
28.30	3.85	1.49	0.00	30.90	3.85	1.49	0.00
28.35	3.85	1.49	0.00	30.95	3.85	1.49	0.00
28.40	3.85	1.49	0.00	31.00	3.85	1.49	0.00
28.45	3.85	1.49	0.00	31.05	3.85	1.49	0.00
28.50	3.85	1.49	0.00	31.10	3.85	1.49	0.00
28.55	3.85	1.49	0.00	31.15	3.85	1.49	0.00

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.49	0.00	33.80	3.85	1.49	0.00
31.25	3.85	1.49	0.00	33.85	3.85	1.49	0.00
31.30	3.85	1.49	0.00	33.90	3.85	1.49	0.00
31.35	3.85	1.49	0.00	33.95	3.85	1.49	0.00
31.40	3.85	1.49	0.00	34.00	3.85	1.49	0.00
31.45	3.85	1.49	0.00	34.05	3.85	1.49	0.00
31.50	3.85	1.49	0.00	34.10	3.85	1.49	0.00
31.55	3.85	1.49	0.00	34.15	3.85	1.49	0.00
31.60	3.85	1.49	0.00	34.20	3.85	1.49	0.00
31.65	3.85	1.49	0.00	34.25	3.85	1.49	0.00
31.70	3.85	1.49	0.00	34.30	3.85	1.49	0.00
31.75	3.85	1.49	0.00	34.35	3.85	1.49	0.00
31.80	3.85	1.49	0.00	34.40	3.85	1.49	0.00
31.85	3.85	1.49	0.00	34.45	3.85	1.49	0.00
31.90	3.85	1.49	0.00	34.50	3.85	1.49	0.00
31.95	3.85	1.49	0.00	34.55	3.85	1.49	0.00
32.00	3.85	1.49	0.00	34.60	3.85	1.49	0.00
32.05	3.85	1.49	0.00	34.65	3.85	1.49	0.00
32.10	3.85	1.49	0.00	34.70	3.85	1.49	0.00
32.15	3.85	1.49	0.00	34.75	3.85	1.49	0.00
32.20	3.85	1.49	0.00	34.80	3.85	1.49	0.00
32.25	3.85	1.49	0.00	34.85	3.85	1.49	0.00
32.30	3.85	1.49	0.00	34.90	3.85	1.49	0.00
32.35	3.85	1.49	0.00	34.95	3.85	1.49	0.00
32.40	3.85	1.49	0.00	35.00	3.85	1.49	0.00
32.45	3.85	1.49	0.00	35.05	3.85	1.49	0.00
32.50	3.85	1.49	0.00	35.10	3.85	1.49	0.00
32.55	3.85	1.49	0.00	35.15	3.85	1.49	0.00
32.60	3.85	1.49	0.00	35.20	3.85	1.49	0.00
32.65	3.85	1.49	0.00	35.25	3.85	1.49	0.00
32.70	3.85	1.49	0.00	35.30	3.85	1.49	0.00
32.75	3.85	1.49	0.00	35.35	3.85	1.49	0.00
32.80	3.85	1.49	0.00	35.40	3.85	1.49	0.00
32.85	3.85	1.49	0.00	35.45	3.85	1.49	0.00
32.90	3.85	1.49	0.00	35.50	3.85	1.49	0.00
32.95	3.85	1.49	0.00	35.55	3.85	1.49	0.00
33.00	3.85	1.49	0.00	35.60	3.85	1.49	0.00
33.05	3.85	1.49	0.00	35.65	3.85	1.49	0.00
33.10	3.85	1.49	0.00	35.70	3.85	1.49	0.00
33.15	3.85	1.49	0.00	35.75	3.85	1.49	0.00
33.20	3.85	1.49	0.00	35.80	3.85	1.49	0.00
33.25	3.85	1.49	0.00	35.85	3.85	1.49	0.00
33.30	3.85	1.49	0.00	35.90	3.85	1.49	0.00
33.35	3.85	1.49	0.00	35.95	3.85	1.49	0.00
33.40	3.85	1.49	0.00	36.00	3.85	1.49	0.00
33.45	3.85	1.49	0.00	36.05	3.85	1.49	0.00
33.50	3.85	1.49	0.00	36.10	3.85	1.49	0.00
33.55	3.85	1.49	0.00	36.15	3.85	1.49	0.00
33.60	3.85	1.49	0.00	36.20	3.85	1.49	0.00
33.65	3.85	1.49	0.00	36.25	3.85	1.49	0.00
33.70	3.85	1.49	0.00	36.30	3.85	1.49	0.00
33.75	3.85	1.49	0.00	36.35	3.85	1.49	0.00

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.49	0.00
36.45	3.85	1.49	0.00
36.50	3.85	1.49	0.00
36.55	3.85	1.49	0.00
36.60	3.85	1.49	0.00
36.65	3.85	1.49	0.00
36.70	3.85	1.49	0.00
36.75	3.85	1.49	0.00
36.80	3.85	1.49	0.00
36.85	3.85	1.49	0.00
36.90	3.85	1.49	0.00
36.95	3.85	1.49	0.00
37.00	3.85	1.49	0.00
37.05	3.85	1.49	0.00
37.10	3.85	1.49	0.00
37.15	3.85	1.49	0.00
37.20	3.85	1.49	0.00
37.25	3.85	1.49	0.00
37.30	3.85	1.49	0.00
37.35	3.85	1.49	0.00
37.40	3.85	1.49	0.00
37.45	3.85	1.49	0.00
37.50	3.85	1.49	0.00
37.55	3.85	1.49	0.00
37.60	3.85	1.49	0.00
37.65	3.85	1.49	0.00
37.70	3.85	1.49	0.00
37.75	3.85	1.49	0.00
37.80	3.85	1.49	0.00
37.85	3.85	1.49	0.00
37.90	3.85	1.49	0.00
37.95	3.85	1.49	0.00
38.00	3.85	1.49	0.00
38.05	3.85	1.49	0.00
38.10	3.85	1.49	0.00
38.15	3.85	1.49	0.00
38.20	3.85	1.49	0.00
38.25	3.85	1.49	0.00
38.30	3.85	1.49	0.00
38.35	3.85	1.49	0.00
38.40	3.85	1.49	0.00
38.45	3.85	1.49	0.00
38.50	3.85	1.49	0.00
38.55	3.85	1.49	0.00
38.60	3.85	1.49	0.00
38.65	3.85	1.49	0.00
38.70	3.85	1.49	0.00
38.75	3.85	1.49	0.00
38.80	3.85	1.49	0.00
38.85	3.85	1.49	0.00
38.90	3.85	1.49	0.00
38.95	3.85	1.49	0.00
39.00	3.85	1.49	0.00
39.05	3.85	1.49	0.00
39.10	3.85	1.49	0.00
39.15	3.85	1.49	0.00
39.20	3.85	1.49	0.00
39.25	3.85	1.49	0.00
39.30	3.85	1.49	0.00
39.35	3.85	1.49	0.00
39.40	3.85	1.49	0.00
39.45	3.85	1.49	0.00
39.50	3.85	1.49	0.00
39.55	3.85	1.49	0.00
39.60	3.85	1.49	0.00
39.65	3.85	1.49	0.00
39.70	3.85	1.49	0.00
39.75	3.85	1.49	0.00
39.80	3.85	1.49	0.00
39.85	3.85	1.49	0.00
39.90	3.85	1.49	0.00
39.95	3.85	1.49	0.00
40.00	3.85	1.49	0.00

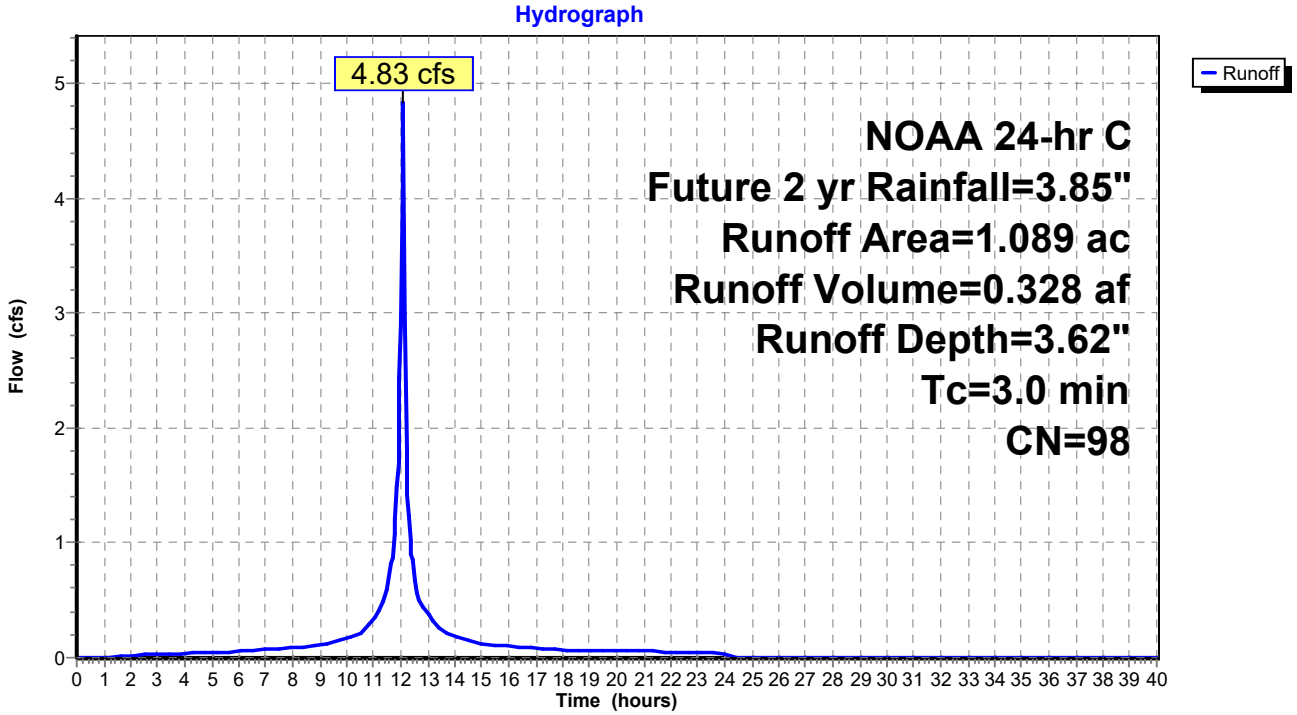
Summary for Subcatchment 55l: PDA-55 (impervious)

Runoff = 4.83 cfs @ 12.09 hrs, Volume= 0.328 af, Depth= 3.62"
Routed to Pond B-55 : Basin #55

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

	Area (ac)	CN	Description
*	0.467	98	Pavement, HSG C
*	0.574	98	Roof, HSG C
*	0.048	98	Concrete, HSG C
	1.089	98	Weighted Average
	1.089		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.0					**Direct Entry,**



Hydrograph for Subcatchment 55l: PDA-55 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.02	0.02
0.05	0.00	0.00	0.00	2.65	0.12	0.02	0.03
0.10	0.00	0.00	0.00	2.70	0.12	0.02	0.03
0.15	0.01	0.00	0.00	2.75	0.12	0.02	0.03
0.20	0.01	0.00	0.00	2.80	0.13	0.02	0.03
0.25	0.01	0.00	0.00	2.85	0.13	0.03	0.03
0.30	0.01	0.00	0.00	2.90	0.13	0.03	0.03
0.35	0.01	0.00	0.00	2.95	0.13	0.03	0.03
0.40	0.02	0.00	0.00	3.00	0.14	0.03	0.03
0.45	0.02	0.00	0.00	3.05	0.14	0.03	0.03
0.50	0.02	0.00	0.00	3.10	0.14	0.03	0.03
0.55	0.02	0.00	0.00	3.15	0.14	0.03	0.03
0.60	0.03	0.00	0.00	3.20	0.15	0.04	0.03
0.65	0.03	0.00	0.00	3.25	0.15	0.04	0.03
0.70	0.03	0.00	0.00	3.30	0.15	0.04	0.03
0.75	0.03	0.00	0.00	3.35	0.15	0.04	0.03
0.80	0.03	0.00	0.00	3.40	0.16	0.04	0.03
0.85	0.04	0.00	0.00	3.45	0.16	0.04	0.03
0.90	0.04	0.00	0.00	3.50	0.16	0.04	0.03
0.95	0.04	0.00	0.00	3.55	0.16	0.05	0.04
1.00	0.04	0.00	0.00	3.60	0.17	0.05	0.04
1.05	0.04	0.00	0.00	3.65	0.17	0.05	0.04
1.10	0.05	0.00	0.00	3.70	0.17	0.05	0.04
1.15	0.05	0.00	0.00	3.75	0.17	0.05	0.04
1.20	0.05	0.00	0.00	3.80	0.18	0.05	0.04
1.25	0.05	0.00	0.00	3.85	0.18	0.06	0.04
1.30	0.06	0.00	0.01	3.90	0.18	0.06	0.04
1.35	0.06	0.00	0.01	3.95	0.19	0.06	0.04
1.40	0.06	0.00	0.01	4.00	0.19	0.06	0.04
1.45	0.06	0.00	0.01	4.05	0.19	0.06	0.04
1.50	0.06	0.00	0.01	4.10	0.19	0.07	0.04
1.55	0.07	0.00	0.01	4.15	0.20	0.07	0.04
1.60	0.07	0.00	0.01	4.20	0.20	0.07	0.04
1.65	0.07	0.00	0.01	4.25	0.20	0.07	0.04
1.70	0.07	0.00	0.01	4.30	0.20	0.07	0.04
1.75	0.08	0.01	0.01	4.35	0.21	0.08	0.04
1.80	0.08	0.01	0.01	4.40	0.21	0.08	0.04
1.85	0.08	0.01	0.01	4.45	0.21	0.08	0.04
1.90	0.08	0.01	0.02	4.50	0.22	0.08	0.04
1.95	0.08	0.01	0.02	4.55	0.22	0.08	0.04
2.00	0.09	0.01	0.02	4.60	0.22	0.09	0.04
2.05	0.09	0.01	0.02	4.65	0.22	0.09	0.04
2.10	0.09	0.01	0.02	4.70	0.23	0.09	0.05
2.15	0.09	0.01	0.02	4.75	0.23	0.09	0.05
2.20	0.10	0.01	0.02	4.80	0.23	0.09	0.05
2.25	0.10	0.01	0.02	4.85	0.24	0.10	0.05
2.30	0.10	0.01	0.02	4.90	0.24	0.10	0.05
2.35	0.10	0.01	0.02	4.95	0.24	0.10	0.05
2.40	0.11	0.02	0.02	5.00	0.24	0.10	0.05
2.45	0.11	0.02	0.02	5.05	0.25	0.10	0.05
2.50	0.11	0.02	0.02	5.10	0.25	0.11	0.05
2.55	0.11	0.02	0.02	5.15	0.25	0.11	0.05

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.11	0.05	7.80	0.44	0.27	0.09
5.25	0.26	0.11	0.05	7.85	0.45	0.27	0.09
5.30	0.26	0.12	0.05	7.90	0.45	0.27	0.09
5.35	0.27	0.12	0.05	7.95	0.46	0.28	0.09
5.40	0.27	0.12	0.05	8.00	0.46	0.28	0.09
5.45	0.27	0.12	0.05	8.05	0.47	0.29	0.09
5.50	0.27	0.12	0.05	8.10	0.47	0.29	0.09
5.55	0.28	0.13	0.05	8.15	0.48	0.30	0.09
5.60	0.28	0.13	0.05	8.20	0.48	0.30	0.09
5.65	0.28	0.13	0.05	8.25	0.49	0.30	0.10
5.70	0.29	0.13	0.05	8.30	0.49	0.31	0.10
5.75	0.29	0.14	0.05	8.35	0.49	0.31	0.10
5.80	0.29	0.14	0.05	8.40	0.50	0.32	0.10
5.85	0.30	0.14	0.05	8.45	0.50	0.32	0.10
5.90	0.30	0.14	0.05	8.50	0.51	0.33	0.10
5.95	0.30	0.15	0.05	8.55	0.51	0.33	0.10
6.00	0.31	0.15	0.05	8.60	0.52	0.34	0.10
6.05	0.31	0.15	0.06	8.65	0.53	0.34	0.10
6.10	0.31	0.15	0.06	8.70	0.53	0.35	0.10
6.15	0.31	0.16	0.06	8.75	0.54	0.35	0.10
6.20	0.32	0.16	0.06	8.80	0.54	0.36	0.11
6.25	0.32	0.16	0.06	8.85	0.55	0.36	0.11
6.30	0.32	0.17	0.06	8.90	0.55	0.36	0.11
6.35	0.33	0.17	0.06	8.95	0.56	0.37	0.11
6.40	0.33	0.17	0.06	9.00	0.56	0.37	0.11
6.45	0.33	0.17	0.06	9.05	0.57	0.38	0.11
6.50	0.34	0.18	0.06	9.10	0.57	0.39	0.11
6.55	0.34	0.18	0.06	9.15	0.58	0.39	0.12
6.60	0.35	0.18	0.07	9.20	0.59	0.40	0.12
6.65	0.35	0.19	0.07	9.25	0.59	0.40	0.13
6.70	0.35	0.19	0.07	9.30	0.60	0.41	0.13
6.75	0.36	0.19	0.07	9.35	0.60	0.41	0.13
6.80	0.36	0.19	0.07	9.40	0.61	0.42	0.13
6.85	0.36	0.20	0.07	9.45	0.62	0.43	0.14
6.90	0.37	0.20	0.07	9.50	0.62	0.43	0.14
6.95	0.37	0.20	0.07	9.55	0.63	0.44	0.14
7.00	0.38	0.21	0.07	9.60	0.64	0.45	0.15
7.05	0.38	0.21	0.07	9.65	0.65	0.45	0.15
7.10	0.38	0.21	0.07	9.70	0.65	0.46	0.15
7.15	0.39	0.22	0.08	9.75	0.66	0.47	0.16
7.20	0.39	0.22	0.08	9.80	0.67	0.47	0.16
7.25	0.40	0.23	0.08	9.85	0.68	0.48	0.16
7.30	0.40	0.23	0.08	9.90	0.69	0.49	0.17
7.35	0.40	0.23	0.08	9.95	0.69	0.50	0.17
7.40	0.41	0.24	0.08	10.00	0.70	0.51	0.17
7.45	0.41	0.24	0.08	10.05	0.71	0.51	0.18
7.50	0.42	0.24	0.08	10.10	0.72	0.52	0.18
7.55	0.42	0.25	0.08	10.15	0.73	0.53	0.18
7.60	0.43	0.25	0.08	10.20	0.74	0.54	0.18
7.65	0.43	0.25	0.08	10.25	0.75	0.55	0.19
7.70	0.43	0.26	0.09	10.30	0.76	0.56	0.19
7.75	0.44	0.26	0.09	10.35	0.76	0.56	0.19

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.57	0.20	13.00	2.93	2.69	0.38
10.45	0.78	0.58	0.20	13.05	2.94	2.71	0.35
10.50	0.79	0.59	0.20	13.10	2.96	2.73	0.34
10.55	0.80	0.60	0.22	13.15	2.97	2.74	0.32
10.60	0.82	0.61	0.23	13.20	2.98	2.75	0.31
10.65	0.83	0.62	0.24	13.25	3.00	2.77	0.30
10.70	0.84	0.64	0.25	13.30	3.01	2.78	0.29
10.75	0.85	0.65	0.27	13.35	3.02	2.79	0.27
10.80	0.87	0.66	0.27	13.40	3.03	2.80	0.26
10.85	0.88	0.67	0.29	13.45	3.05	2.81	0.25
10.90	0.89	0.69	0.30	13.50	3.06	2.82	0.24
10.95	0.91	0.70	0.31	13.55	3.07	2.83	0.22
11.00	0.92	0.72	0.32	13.60	3.08	2.84	0.21
11.05	0.94	0.73	0.35	13.65	3.09	2.85	0.21
11.10	0.96	0.75	0.37	13.70	3.09	2.86	0.21
11.15	0.98	0.77	0.39	13.75	3.10	2.87	0.20
11.20	1.00	0.79	0.41	13.80	3.11	2.88	0.20
11.25	1.02	0.81	0.44	13.85	3.12	2.89	0.20
11.30	1.04	0.83	0.46	13.90	3.13	2.90	0.19
11.35	1.06	0.85	0.48	13.95	3.14	2.91	0.19
11.40	1.09	0.88	0.50	14.00	3.15	2.92	0.19
11.45	1.11	0.90	0.52	14.05	3.16	2.92	0.18
11.50	1.14	0.92	0.54	14.10	3.16	2.93	0.18
11.55	1.18	0.96	0.71	14.15	3.17	2.94	0.18
11.60	1.22	1.00	0.82	14.20	3.18	2.95	0.18
11.65	1.26	1.04	0.86	14.25	3.19	2.96	0.17
11.70	1.30	1.08	0.88	14.30	3.20	2.96	0.17
11.75	1.35	1.14	1.08	14.35	3.20	2.97	0.16
11.80	1.41	1.19	1.21	14.40	3.21	2.98	0.16
11.85	1.49	1.27	1.49	14.45	3.22	2.99	0.16
11.90	1.57	1.34	1.69	14.50	3.23	2.99	0.16
11.95	1.70	1.48	2.42	14.55	3.23	3.00	0.15
12.00	1.83	1.61	2.90	14.60	3.24	3.01	0.15
12.05	2.06	1.83	4.09	14.65	3.25	3.01	0.15
12.10	2.28	2.06	**4.77**	14.70	3.25	3.02	0.14
12.15	2.36	2.13	2.99	14.75	3.26	3.03	0.14
12.20	2.44	2.21	1.81	14.80	3.26	3.03	0.14
12.25	2.50	2.27	1.42	14.85	3.27	3.04	0.13
12.30	2.55	2.32	1.24	14.90	3.28	3.04	0.13
12.35	2.59	2.36	1.03	14.95	3.28	3.05	0.13
12.40	2.63	2.40	0.91	15.00	3.29	3.05	0.12
12.45	2.67	2.44	0.87	15.05	3.29	3.06	0.12
12.50	2.71	2.48	0.85	15.10	3.30	3.07	0.12
12.55	2.74	2.51	0.67	15.15	3.30	3.07	0.12
12.60	2.76	2.53	0.56	15.20	3.31	3.08	0.12
12.65	2.79	2.56	0.53	15.25	3.31	3.08	0.12
12.70	2.81	2.58	0.52	15.30	3.32	3.09	0.11
12.75	2.83	2.60	0.49	15.35	3.32	3.09	0.11
12.80	2.85	2.62	0.47	15.40	3.33	3.10	0.11
12.85	2.87	2.64	0.44	15.45	3.34	3.10	0.11
12.90	2.89	2.66	0.43	15.50	3.34	3.11	0.11
12.95	2.91	2.68	0.40	15.55	3.35	3.11	0.11

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	3.12	0.11	18.20	3.56	3.32	0.07
15.65	3.36	3.12	0.11	18.25	3.56	3.33	0.07
15.70	3.36	3.13	0.11	18.30	3.56	3.33	0.07
15.75	3.36	3.13	0.11	18.35	3.57	3.33	0.07
15.80	3.37	3.14	0.11	18.40	3.57	3.34	0.07
15.85	3.37	3.14	0.11	18.45	3.57	3.34	0.07
15.90	3.38	3.15	0.10	18.50	3.58	3.34	0.07
15.95	3.38	3.15	0.10	18.55	3.58	3.34	0.07
16.00	3.39	3.16	0.10	18.60	3.58	3.35	0.07
16.05	3.39	3.16	0.10	18.65	3.58	3.35	0.07
16.10	3.40	3.16	0.10	18.70	3.59	3.35	0.07
16.15	3.40	3.17	0.10	18.75	3.59	3.36	0.07
16.20	3.41	3.17	0.10	18.80	3.59	3.36	0.06
16.25	3.41	3.18	0.10	18.85	3.60	3.36	0.06
16.30	3.42	3.18	0.10	18.90	3.60	3.37	0.06
16.35	3.42	3.19	0.10	18.95	3.60	3.37	0.06
16.40	3.42	3.19	0.10	19.00	3.61	3.37	0.06
16.45	3.43	3.20	0.10	19.05	3.61	3.37	0.06
16.50	3.43	3.20	0.09	19.10	3.61	3.38	0.06
16.55	3.44	3.20	0.09	19.15	3.61	3.38	0.06
16.60	3.44	3.21	0.09	19.20	3.62	3.38	0.06
16.65	3.45	3.21	0.09	19.25	3.62	3.39	0.06
16.70	3.45	3.22	0.09	19.30	3.62	3.39	0.06
16.75	3.45	3.22	0.09	19.35	3.63	3.39	0.06
16.80	3.46	3.23	0.09	19.40	3.63	3.39	0.06
16.85	3.46	3.23	0.09	19.45	3.63	3.40	0.06
16.90	3.47	3.23	0.09	19.50	3.63	3.40	0.06
16.95	3.47	3.24	0.09	19.55	3.64	3.40	0.06
17.00	3.47	3.24	0.09	19.60	3.64	3.41	0.06
17.05	3.48	3.24	0.09	19.65	3.64	3.41	0.06
17.10	3.48	3.25	0.08	19.70	3.65	3.41	0.06
17.15	3.49	3.25	0.08	19.75	3.65	3.41	0.06
17.20	3.49	3.26	0.08	19.80	3.65	3.42	0.06
17.25	3.49	3.26	0.08	19.85	3.65	3.42	0.06
17.30	3.50	3.26	0.08	19.90	3.66	3.42	0.06
17.35	3.50	3.27	0.08	19.95	3.66	3.42	0.06
17.40	3.50	3.27	0.08	20.00	3.66	3.43	0.06
17.45	3.51	3.27	0.08	20.05	3.66	3.43	0.06
17.50	3.51	3.28	0.08	20.10	3.67	3.43	0.06
17.55	3.52	3.28	0.08	20.15	3.67	3.44	0.06
17.60	3.52	3.28	0.08	20.20	3.67	3.44	0.06
17.65	3.52	3.29	0.08	20.25	3.68	3.44	0.06
17.70	3.53	3.29	0.07	20.30	3.68	3.44	0.06
17.75	3.53	3.30	0.07	20.35	3.68	3.45	0.06
17.80	3.53	3.30	0.07	20.40	3.68	3.45	0.06
17.85	3.54	3.30	0.07	20.45	3.69	3.45	0.06
17.90	3.54	3.30	0.07	20.50	3.69	3.45	0.06
17.95	3.54	3.31	0.07	20.55	3.69	3.46	0.06
18.00	3.54	3.31	0.07	20.60	3.69	3.46	0.06
18.05	3.55	3.31	0.07	20.65	3.70	3.46	0.06
18.10	3.55	3.32	0.07	20.70	3.70	3.46	0.06
18.15	3.55	3.32	0.07	20.75	3.70	3.47	0.06

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	3.47	0.06	23.40	3.82	3.59	0.05
20.85	3.71	3.47	0.06	23.45	3.83	3.59	0.05
20.90	3.71	3.47	0.06	23.50	3.83	3.59	0.05
20.95	3.71	3.48	0.06	23.55	3.83	3.60	0.04
21.00	3.71	3.48	0.06	23.60	3.83	3.60	0.04
21.05	3.72	3.48	0.06	23.65	3.84	3.60	0.04
21.10	3.72	3.49	0.06	23.70	3.84	3.60	0.04
21.15	3.72	3.49	0.05	23.75	3.84	3.60	0.04
21.20	3.72	3.49	0.05	23.80	3.84	3.61	0.04
21.25	3.73	3.49	0.05	23.85	3.84	3.61	0.04
21.30	3.73	3.50	0.05	23.90	3.85	3.61	0.04
21.35	3.73	3.50	0.05	23.95	3.85	3.61	0.05
21.40	3.73	3.50	0.05	24.00	**3.85**	**3.62**	0.05
21.45	3.74	3.50	0.05	24.05	3.85	3.62	0.02
21.50	3.74	3.50	0.05	24.10	3.85	3.62	0.00
21.55	3.74	3.51	0.05	24.15	3.85	3.62	0.00
21.60	3.74	3.51	0.05	24.20	3.85	3.62	0.00
21.65	3.75	3.51	0.05	24.25	3.85	3.62	0.00
21.70	3.75	3.51	0.05	24.30	3.85	3.62	0.00
21.75	3.75	3.52	0.05	24.35	3.85	3.62	0.00
21.80	3.75	3.52	0.05	24.40	3.85	3.62	0.00
21.85	3.76	3.52	0.05	24.45	3.85	3.62	0.00
21.90	3.76	3.52	0.05	24.50	3.85	3.62	0.00
21.95	3.76	3.53	0.05	24.55	3.85	3.62	0.00
22.00	3.76	3.53	0.05	24.60	3.85	3.62	0.00
22.05	3.77	3.53	0.05	24.65	3.85	3.62	0.00
22.10	3.77	3.53	0.05	24.70	3.85	3.62	0.00
22.15	3.77	3.54	0.05	24.75	3.85	3.62	0.00
22.20	3.77	3.54	0.05	24.80	3.85	3.62	0.00
22.25	3.77	3.54	0.05	24.85	3.85	3.62	0.00
22.30	3.78	3.54	0.05	24.90	3.85	3.62	0.00
22.35	3.78	3.54	0.05	24.95	3.85	3.62	0.00
22.40	3.78	3.55	0.05	25.00	3.85	3.62	0.00
22.45	3.78	3.55	0.05	25.05	3.85	3.62	0.00
22.50	3.79	3.55	0.05	25.10	3.85	3.62	0.00
22.55	3.79	3.55	0.05	25.15	3.85	3.62	0.00
22.60	3.79	3.56	0.05	25.20	3.85	3.62	0.00
22.65	3.79	3.56	0.05	25.25	3.85	3.62	0.00
22.70	3.79	3.56	0.05	25.30	3.85	3.62	0.00
22.75	3.80	3.56	0.05	25.35	3.85	3.62	0.00
22.80	3.80	3.56	0.05	25.40	3.85	3.62	0.00
22.85	3.80	3.57	0.05	25.45	3.85	3.62	0.00
22.90	3.80	3.57	0.05	25.50	3.85	3.62	0.00
22.95	3.81	3.57	0.05	25.55	3.85	3.62	0.00
23.00	3.81	3.57	0.05	25.60	3.85	3.62	0.00
23.05	3.81	3.58	0.05	25.65	3.85	3.62	0.00
23.10	3.81	3.58	0.05	25.70	3.85	3.62	0.00
23.15	3.81	3.58	0.05	25.75	3.85	3.62	0.00
23.20	3.82	3.58	0.05	25.80	3.85	3.62	0.00
23.25	3.82	3.58	0.05	25.85	3.85	3.62	0.00
23.30	3.82	3.59	0.05	25.90	3.85	3.62	0.00
23.35	3.82	3.59	0.05	25.95	3.85	3.62	0.00

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	3.62	0.00	28.60	3.85	3.62	0.00
26.05	3.85	3.62	0.00	28.65	3.85	3.62	0.00
26.10	3.85	3.62	0.00	28.70	3.85	3.62	0.00
26.15	3.85	3.62	0.00	28.75	3.85	3.62	0.00
26.20	3.85	3.62	0.00	28.80	3.85	3.62	0.00
26.25	3.85	3.62	0.00	28.85	3.85	3.62	0.00
26.30	3.85	3.62	0.00	28.90	3.85	3.62	0.00
26.35	3.85	3.62	0.00	28.95	3.85	3.62	0.00
26.40	3.85	3.62	0.00	29.00	3.85	3.62	0.00
26.45	3.85	3.62	0.00	29.05	3.85	3.62	0.00
26.50	3.85	3.62	0.00	29.10	3.85	3.62	0.00
26.55	3.85	3.62	0.00	29.15	3.85	3.62	0.00
26.60	3.85	3.62	0.00	29.20	3.85	3.62	0.00
26.65	3.85	3.62	0.00	29.25	3.85	3.62	0.00
26.70	3.85	3.62	0.00	29.30	3.85	3.62	0.00
26.75	3.85	3.62	0.00	29.35	3.85	3.62	0.00
26.80	3.85	3.62	0.00	29.40	3.85	3.62	0.00
26.85	3.85	3.62	0.00	29.45	3.85	3.62	0.00
26.90	3.85	3.62	0.00	29.50	3.85	3.62	0.00
26.95	3.85	3.62	0.00	29.55	3.85	3.62	0.00
27.00	3.85	3.62	0.00	29.60	3.85	3.62	0.00
27.05	3.85	3.62	0.00	29.65	3.85	3.62	0.00
27.10	3.85	3.62	0.00	29.70	3.85	3.62	0.00
27.15	3.85	3.62	0.00	29.75	3.85	3.62	0.00
27.20	3.85	3.62	0.00	29.80	3.85	3.62	0.00
27.25	3.85	3.62	0.00	29.85	3.85	3.62	0.00
27.30	3.85	3.62	0.00	29.90	3.85	3.62	0.00
27.35	3.85	3.62	0.00	29.95	3.85	3.62	0.00
27.40	3.85	3.62	0.00	30.00	3.85	3.62	0.00
27.45	3.85	3.62	0.00	30.05	3.85	3.62	0.00
27.50	3.85	3.62	0.00	30.10	3.85	3.62	0.00
27.55	3.85	3.62	0.00	30.15	3.85	3.62	0.00
27.60	3.85	3.62	0.00	30.20	3.85	3.62	0.00
27.65	3.85	3.62	0.00	30.25	3.85	3.62	0.00
27.70	3.85	3.62	0.00	30.30	3.85	3.62	0.00
27.75	3.85	3.62	0.00	30.35	3.85	3.62	0.00
27.80	3.85	3.62	0.00	30.40	3.85	3.62	0.00
27.85	3.85	3.62	0.00	30.45	3.85	3.62	0.00
27.90	3.85	3.62	0.00	30.50	3.85	3.62	0.00
27.95	3.85	3.62	0.00	30.55	3.85	3.62	0.00
28.00	3.85	3.62	0.00	30.60	3.85	3.62	0.00
28.05	3.85	3.62	0.00	30.65	3.85	3.62	0.00
28.10	3.85	3.62	0.00	30.70	3.85	3.62	0.00
28.15	3.85	3.62	0.00	30.75	3.85	3.62	0.00
28.20	3.85	3.62	0.00	30.80	3.85	3.62	0.00
28.25	3.85	3.62	0.00	30.85	3.85	3.62	0.00
28.30	3.85	3.62	0.00	30.90	3.85	3.62	0.00
28.35	3.85	3.62	0.00	30.95	3.85	3.62	0.00
28.40	3.85	3.62	0.00	31.00	3.85	3.62	0.00
28.45	3.85	3.62	0.00	31.05	3.85	3.62	0.00
28.50	3.85	3.62	0.00	31.10	3.85	3.62	0.00
28.55	3.85	3.62	0.00	31.15	3.85	3.62	0.00

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	3.62	0.00	33.80	3.85	3.62	0.00
31.25	3.85	3.62	0.00	33.85	3.85	3.62	0.00
31.30	3.85	3.62	0.00	33.90	3.85	3.62	0.00
31.35	3.85	3.62	0.00	33.95	3.85	3.62	0.00
31.40	3.85	3.62	0.00	34.00	3.85	3.62	0.00
31.45	3.85	3.62	0.00	34.05	3.85	3.62	0.00
31.50	3.85	3.62	0.00	34.10	3.85	3.62	0.00
31.55	3.85	3.62	0.00	34.15	3.85	3.62	0.00
31.60	3.85	3.62	0.00	34.20	3.85	3.62	0.00
31.65	3.85	3.62	0.00	34.25	3.85	3.62	0.00
31.70	3.85	3.62	0.00	34.30	3.85	3.62	0.00
31.75	3.85	3.62	0.00	34.35	3.85	3.62	0.00
31.80	3.85	3.62	0.00	34.40	3.85	3.62	0.00
31.85	3.85	3.62	0.00	34.45	3.85	3.62	0.00
31.90	3.85	3.62	0.00	34.50	3.85	3.62	0.00
31.95	3.85	3.62	0.00	34.55	3.85	3.62	0.00
32.00	3.85	3.62	0.00	34.60	3.85	3.62	0.00
32.05	3.85	3.62	0.00	34.65	3.85	3.62	0.00
32.10	3.85	3.62	0.00	34.70	3.85	3.62	0.00
32.15	3.85	3.62	0.00	34.75	3.85	3.62	0.00
32.20	3.85	3.62	0.00	34.80	3.85	3.62	0.00
32.25	3.85	3.62	0.00	34.85	3.85	3.62	0.00
32.30	3.85	3.62	0.00	34.90	3.85	3.62	0.00
32.35	3.85	3.62	0.00	34.95	3.85	3.62	0.00
32.40	3.85	3.62	0.00	35.00	3.85	3.62	0.00
32.45	3.85	3.62	0.00	35.05	3.85	3.62	0.00
32.50	3.85	3.62	0.00	35.10	3.85	3.62	0.00
32.55	3.85	3.62	0.00	35.15	3.85	3.62	0.00
32.60	3.85	3.62	0.00	35.20	3.85	3.62	0.00
32.65	3.85	3.62	0.00	35.25	3.85	3.62	0.00
32.70	3.85	3.62	0.00	35.30	3.85	3.62	0.00
32.75	3.85	3.62	0.00	35.35	3.85	3.62	0.00
32.80	3.85	3.62	0.00	35.40	3.85	3.62	0.00
32.85	3.85	3.62	0.00	35.45	3.85	3.62	0.00
32.90	3.85	3.62	0.00	35.50	3.85	3.62	0.00
32.95	3.85	3.62	0.00	35.55	3.85	3.62	0.00
33.00	3.85	3.62	0.00	35.60	3.85	3.62	0.00
33.05	3.85	3.62	0.00	35.65	3.85	3.62	0.00
33.10	3.85	3.62	0.00	35.70	3.85	3.62	0.00
33.15	3.85	3.62	0.00	35.75	3.85	3.62	0.00
33.20	3.85	3.62	0.00	35.80	3.85	3.62	0.00
33.25	3.85	3.62	0.00	35.85	3.85	3.62	0.00
33.30	3.85	3.62	0.00	35.90	3.85	3.62	0.00
33.35	3.85	3.62	0.00	35.95	3.85	3.62	0.00
33.40	3.85	3.62	0.00	36.00	3.85	3.62	0.00
33.45	3.85	3.62	0.00	36.05	3.85	3.62	0.00
33.50	3.85	3.62	0.00	36.10	3.85	3.62	0.00
33.55	3.85	3.62	0.00	36.15	3.85	3.62	0.00
33.60	3.85	3.62	0.00	36.20	3.85	3.62	0.00
33.65	3.85	3.62	0.00	36.25	3.85	3.62	0.00
33.70	3.85	3.62	0.00	36.30	3.85	3.62	0.00
33.75	3.85	3.62	0.00	36.35	3.85	3.62	0.00

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	3.62	0.00
36.45	3.85	3.62	0.00
36.50	3.85	3.62	0.00
36.55	3.85	3.62	0.00
36.60	3.85	3.62	0.00
36.65	3.85	3.62	0.00
36.70	3.85	3.62	0.00
36.75	3.85	3.62	0.00
36.80	3.85	3.62	0.00
36.85	3.85	3.62	0.00
36.90	3.85	3.62	0.00
36.95	3.85	3.62	0.00
37.00	3.85	3.62	0.00
37.05	3.85	3.62	0.00
37.10	3.85	3.62	0.00
37.15	3.85	3.62	0.00
37.20	3.85	3.62	0.00
37.25	3.85	3.62	0.00
37.30	3.85	3.62	0.00
37.35	3.85	3.62	0.00
37.40	3.85	3.62	0.00
37.45	3.85	3.62	0.00
37.50	3.85	3.62	0.00
37.55	3.85	3.62	0.00
37.60	3.85	3.62	0.00
37.65	3.85	3.62	0.00
37.70	3.85	3.62	0.00
37.75	3.85	3.62	0.00
37.80	3.85	3.62	0.00
37.85	3.85	3.62	0.00
37.90	3.85	3.62	0.00
37.95	3.85	3.62	0.00
38.00	3.85	3.62	0.00
38.05	3.85	3.62	0.00
38.10	3.85	3.62	0.00
38.15	3.85	3.62	0.00
38.20	3.85	3.62	0.00
38.25	3.85	3.62	0.00
38.30	3.85	3.62	0.00
38.35	3.85	3.62	0.00
38.40	3.85	3.62	0.00
38.45	3.85	3.62	0.00
38.50	3.85	3.62	0.00
38.55	3.85	3.62	0.00
38.60	3.85	3.62	0.00
38.65	3.85	3.62	0.00
38.70	3.85	3.62	0.00
38.75	3.85	3.62	0.00
38.80	3.85	3.62	0.00
38.85	3.85	3.62	0.00
38.90	3.85	3.62	0.00
38.95	3.85	3.62	0.00
39.00	3.85	3.62	0.00
39.05	3.85	3.62	0.00
39.10	3.85	3.62	0.00
39.15	3.85	3.62	0.00
39.20	3.85	3.62	0.00
39.25	3.85	3.62	0.00
39.30	3.85	3.62	0.00
39.35	3.85	3.62	0.00
39.40	3.85	3.62	0.00
39.45	3.85	3.62	0.00
39.50	3.85	3.62	0.00
39.55	3.85	3.62	0.00
39.60	3.85	3.62	0.00
39.65	3.85	3.62	0.00
39.70	3.85	3.62	0.00
39.75	3.85	3.62	0.00
39.80	3.85	3.62	0.00
39.85	3.85	3.62	0.00
39.90	3.85	3.62	0.00
39.95	3.85	3.62	0.00
40.00	3.85	3.62	0.00

Summary for Subcatchment 55P: PDA-55 (pervious)

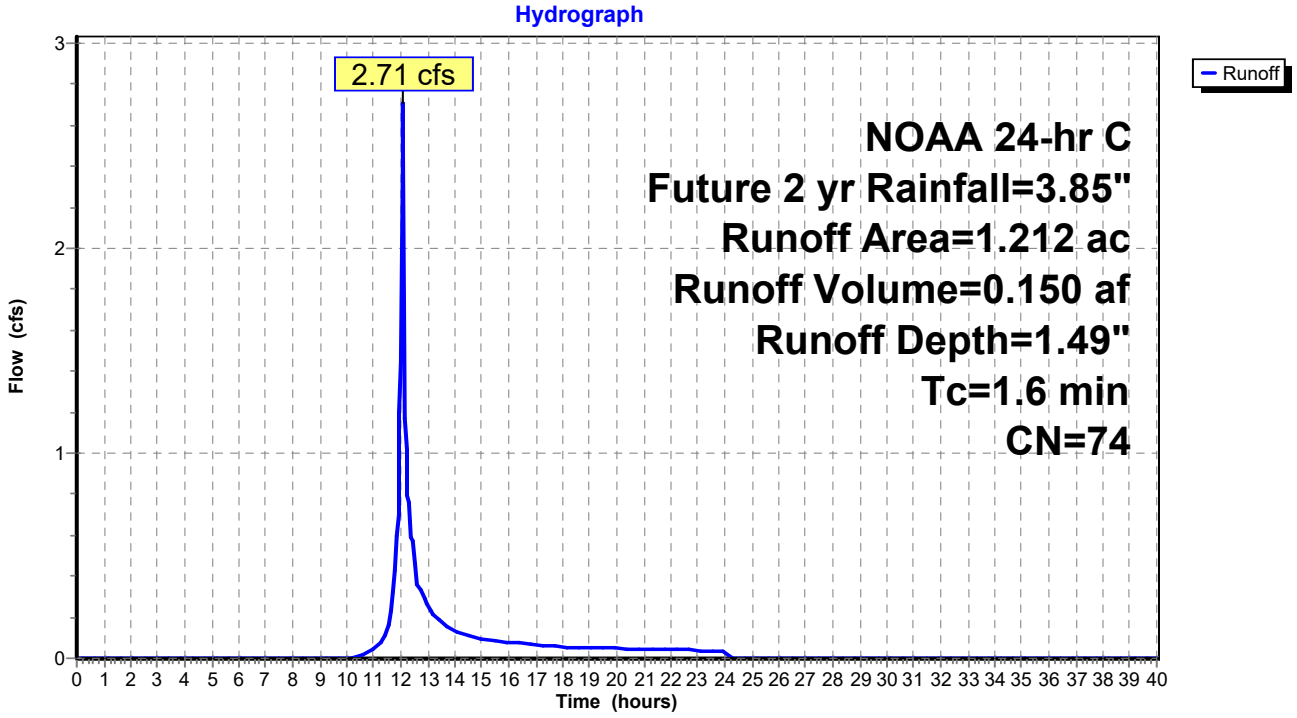
Runoff = 2.71 cfs @ 12.08 hrs, Volume= 0.150 af, Depth= 1.49"
Routed to Pond B-55 : Basin #55

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
1.212	74	>75% Grass cover, Good, HSG C
1.212		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.6					**Direct Entry,**

Subcatchment 55P: PDA-55 (pervious)



Hydrograph for Subcatchment 55P: PDA-55 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.01
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.01

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.01	13.00	2.93	0.86	0.26
10.45	0.78	0.00	0.01	13.05	2.94	0.87	0.24
10.50	0.79	0.00	0.01	13.10	2.96	0.88	0.23
10.55	0.80	0.00	0.01	13.15	2.97	0.89	0.22
10.60	0.82	0.00	0.02	13.20	2.98	0.90	0.22
10.65	0.83	0.00	0.02	13.25	3.00	0.91	0.20
10.70	0.84	0.01	0.02	13.30	3.01	0.92	0.20
10.75	0.85	0.01	0.02	13.35	3.02	0.92	0.19
10.80	0.87	0.01	0.03	13.40	3.03	0.93	0.18
10.85	0.88	0.01	0.03	13.45	3.05	0.94	0.17
10.90	0.89	0.01	0.03	13.50	3.06	0.94	0.17
10.95	0.91	0.01	0.04	13.55	3.07	0.95	0.15
11.00	0.92	0.01	0.04	13.60	3.08	0.96	0.15
11.05	0.94	0.02	0.05	13.65	3.09	0.96	0.15
11.10	0.96	0.02	0.05	13.70	3.09	0.97	0.15
11.15	0.98	0.02	0.06	13.75	3.10	0.97	0.14
11.20	1.00	0.02	0.07	13.80	3.11	0.98	0.14
11.25	1.02	0.03	0.08	13.85	3.12	0.99	0.14
11.30	1.04	0.03	0.09	13.90	3.13	0.99	0.14
11.35	1.06	0.03	0.10	13.95	3.14	1.00	0.14
11.40	1.09	0.04	0.11	14.00	3.15	1.00	0.14
11.45	1.11	0.04	0.12	14.05	3.16	1.01	0.13
11.50	1.14	0.05	0.13	14.10	3.16	1.01	0.13
11.55	1.18	0.06	0.20	14.15	3.17	1.02	0.13
11.60	1.22	0.07	0.22	14.20	3.18	1.02	0.13
11.65	1.26	0.08	0.25	14.25	3.19	1.03	0.12
11.70	1.30	0.09	0.27	14.30	3.20	1.03	0.12
11.75	1.35	0.10	0.37	14.35	3.20	1.04	0.12
11.80	1.41	0.12	0.42	14.40	3.21	1.04	0.12
11.85	1.49	0.14	0.60	14.45	3.22	1.05	0.12
11.90	1.57	0.17	0.70	14.50	3.23	1.05	0.11
11.95	1.70	0.22	1.19	14.55	3.23	1.06	0.11
12.00	1.83	0.28	1.44	14.60	3.24	1.06	0.11
12.05	2.06	0.38	2.42	14.65	3.25	1.07	0.11
12.10	2.28	0.49	**2.58**	14.70	3.25	1.07	0.11
12.15	2.36	0.53	1.17	14.75	3.26	1.08	0.10
12.20	2.44	0.57	1.01	14.80	3.26	1.08	0.10
12.25	2.50	0.61	0.79	14.85	3.27	1.08	0.10
12.30	2.55	0.64	0.76	14.90	3.28	1.09	0.10
12.35	2.59	0.66	0.59	14.95	3.28	1.09	0.09
12.40	2.63	0.69	0.58	15.00	3.29	1.10	0.09
12.45	2.67	0.71	0.56	15.05	3.29	1.10	0.09
12.50	2.71	0.73	0.54	15.10	3.30	1.10	0.09
12.55	2.74	0.75	0.38	15.15	3.30	1.11	0.09
12.60	2.76	0.76	0.37	15.20	3.31	1.11	0.09
12.65	2.79	0.78	0.35	15.25	3.31	1.11	0.09
12.70	2.81	0.79	0.35	15.30	3.32	1.12	0.09
12.75	2.83	0.80	0.32	15.35	3.32	1.12	0.09
12.80	2.85	0.82	0.32	15.40	3.33	1.12	0.08
12.85	2.87	0.83	0.30	15.45	3.34	1.13	0.08
12.90	2.89	0.84	0.29	15.50	3.34	1.13	0.08
12.95	2.91	0.85	0.27	15.55	3.35	1.13	0.08

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	1.14	0.08	18.20	3.56	1.28	0.05
15.65	3.36	1.14	0.08	18.25	3.56	1.28	0.05
15.70	3.36	1.14	0.08	18.30	3.56	1.28	0.05
15.75	3.36	1.15	0.08	18.35	3.57	1.29	0.05
15.80	3.37	1.15	0.08	18.40	3.57	1.29	0.05
15.85	3.37	1.15	0.08	18.45	3.57	1.29	0.05
15.90	3.38	1.16	0.08	18.50	3.58	1.29	0.05
15.95	3.38	1.16	0.08	18.55	3.58	1.29	0.05
16.00	3.39	1.16	0.08	18.60	3.58	1.30	0.05
16.05	3.39	1.17	0.08	18.65	3.58	1.30	0.05
16.10	3.40	1.17	0.08	18.70	3.59	1.30	0.05
16.15	3.40	1.17	0.08	18.75	3.59	1.30	0.05
16.20	3.41	1.18	0.08	18.80	3.59	1.30	0.05
16.25	3.41	1.18	0.07	18.85	3.60	1.31	0.05
16.30	3.42	1.18	0.07	18.90	3.60	1.31	0.05
16.35	3.42	1.19	0.07	18.95	3.60	1.31	0.05
16.40	3.42	1.19	0.07	19.00	3.61	1.31	0.05
16.45	3.43	1.19	0.07	19.05	3.61	1.32	0.05
16.50	3.43	1.19	0.07	19.10	3.61	1.32	0.05
16.55	3.44	1.20	0.07	19.15	3.61	1.32	0.05
16.60	3.44	1.20	0.07	19.20	3.62	1.32	0.05
16.65	3.45	1.20	0.07	19.25	3.62	1.32	0.05
16.70	3.45	1.21	0.07	19.30	3.62	1.33	0.05
16.75	3.45	1.21	0.07	19.35	3.63	1.33	0.05
16.80	3.46	1.21	0.07	19.40	3.63	1.33	0.05
16.85	3.46	1.21	0.07	19.45	3.63	1.33	0.05
16.90	3.47	1.22	0.07	19.50	3.63	1.33	0.05
16.95	3.47	1.22	0.07	19.55	3.64	1.34	0.05
17.00	3.47	1.22	0.07	19.60	3.64	1.34	0.05
17.05	3.48	1.22	0.07	19.65	3.64	1.34	0.05
17.10	3.48	1.23	0.06	19.70	3.65	1.34	0.05
17.15	3.49	1.23	0.06	19.75	3.65	1.34	0.05
17.20	3.49	1.23	0.06	19.80	3.65	1.34	0.05
17.25	3.49	1.24	0.06	19.85	3.65	1.35	0.05
17.30	3.50	1.24	0.06	19.90	3.66	1.35	0.05
17.35	3.50	1.24	0.06	19.95	3.66	1.35	0.05
17.40	3.50	1.24	0.06	20.00	3.66	1.35	0.05
17.45	3.51	1.25	0.06	20.05	3.66	1.35	0.05
17.50	3.51	1.25	0.06	20.10	3.67	1.36	0.05
17.55	3.52	1.25	0.06	20.15	3.67	1.36	0.05
17.60	3.52	1.25	0.06	20.20	3.67	1.36	0.05
17.65	3.52	1.26	0.06	20.25	3.68	1.36	0.05
17.70	3.53	1.26	0.06	20.30	3.68	1.36	0.05
17.75	3.53	1.26	0.06	20.35	3.68	1.37	0.05
17.80	3.53	1.26	0.06	20.40	3.68	1.37	0.05
17.85	3.54	1.26	0.06	20.45	3.69	1.37	0.05
17.90	3.54	1.27	0.06	20.50	3.69	1.37	0.05
17.95	3.54	1.27	0.05	20.55	3.69	1.37	0.05
18.00	3.54	1.27	0.05	20.60	3.69	1.38	0.05
18.05	3.55	1.27	0.05	20.65	3.70	1.38	0.05
18.10	3.55	1.28	0.05	20.70	3.70	1.38	0.04
18.15	3.55	1.28	0.05	20.75	3.70	1.38	0.04

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	1.38	0.04	23.40	3.82	1.47	0.04
20.85	3.71	1.38	0.04	23.45	3.83	1.47	0.04
20.90	3.71	1.39	0.04	23.50	3.83	1.47	0.04
20.95	3.71	1.39	0.04	23.55	3.83	1.47	0.04
21.00	3.71	1.39	0.04	23.60	3.83	1.47	0.04
21.05	3.72	1.39	0.04	23.65	3.84	1.48	0.04
21.10	3.72	1.39	0.04	23.70	3.84	1.48	0.04
21.15	3.72	1.40	0.04	23.75	3.84	1.48	0.04
21.20	3.72	1.40	0.04	23.80	3.84	1.48	0.04
21.25	3.73	1.40	0.04	23.85	3.84	1.48	0.03
21.30	3.73	1.40	0.04	23.90	3.85	1.48	0.04
21.35	3.73	1.40	0.04	23.95	3.85	1.49	0.04
21.40	3.73	1.40	0.04	24.00	**3.85**	**1.49**	0.04
21.45	3.74	1.41	0.04	24.05	3.85	1.49	0.00
21.50	3.74	1.41	0.04	24.10	3.85	1.49	0.00
21.55	3.74	1.41	0.04	24.15	3.85	1.49	0.00
21.60	3.74	1.41	0.04	24.20	3.85	1.49	0.00
21.65	3.75	1.41	0.04	24.25	3.85	1.49	0.00
21.70	3.75	1.41	0.04	24.30	3.85	1.49	0.00
21.75	3.75	1.42	0.04	24.35	3.85	1.49	0.00
21.80	3.75	1.42	0.04	24.40	3.85	1.49	0.00
21.85	3.76	1.42	0.04	24.45	3.85	1.49	0.00
21.90	3.76	1.42	0.04	24.50	3.85	1.49	0.00
21.95	3.76	1.42	0.04	24.55	3.85	1.49	0.00
22.00	3.76	1.42	0.04	24.60	3.85	1.49	0.00
22.05	3.77	1.43	0.04	24.65	3.85	1.49	0.00
22.10	3.77	1.43	0.04	24.70	3.85	1.49	0.00
22.15	3.77	1.43	0.04	24.75	3.85	1.49	0.00
22.20	3.77	1.43	0.04	24.80	3.85	1.49	0.00
22.25	3.77	1.43	0.04	24.85	3.85	1.49	0.00
22.30	3.78	1.43	0.04	24.90	3.85	1.49	0.00
22.35	3.78	1.44	0.04	24.95	3.85	1.49	0.00
22.40	3.78	1.44	0.04	25.00	3.85	1.49	0.00
22.45	3.78	1.44	0.04	25.05	3.85	1.49	0.00
22.50	3.79	1.44	0.04	25.10	3.85	1.49	0.00
22.55	3.79	1.44	0.04	25.15	3.85	1.49	0.00
22.60	3.79	1.44	0.04	25.20	3.85	1.49	0.00
22.65	3.79	1.45	0.04	25.25	3.85	1.49	0.00
22.70	3.79	1.45	0.04	25.30	3.85	1.49	0.00
22.75	3.80	1.45	0.04	25.35	3.85	1.49	0.00
22.80	3.80	1.45	0.04	25.40	3.85	1.49	0.00
22.85	3.80	1.45	0.04	25.45	3.85	1.49	0.00
22.90	3.80	1.45	0.04	25.50	3.85	1.49	0.00
22.95	3.81	1.46	0.04	25.55	3.85	1.49	0.00
23.00	3.81	1.46	0.04	25.60	3.85	1.49	0.00
23.05	3.81	1.46	0.04	25.65	3.85	1.49	0.00
23.10	3.81	1.46	0.04	25.70	3.85	1.49	0.00
23.15	3.81	1.46	0.04	25.75	3.85	1.49	0.00
23.20	3.82	1.46	0.04	25.80	3.85	1.49	0.00
23.25	3.82	1.46	0.04	25.85	3.85	1.49	0.00
23.30	3.82	1.47	0.04	25.90	3.85	1.49	0.00
23.35	3.82	1.47	0.04	25.95	3.85	1.49	0.00

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.49	0.00	28.60	3.85	1.49	0.00
26.05	3.85	1.49	0.00	28.65	3.85	1.49	0.00
26.10	3.85	1.49	0.00	28.70	3.85	1.49	0.00
26.15	3.85	1.49	0.00	28.75	3.85	1.49	0.00
26.20	3.85	1.49	0.00	28.80	3.85	1.49	0.00
26.25	3.85	1.49	0.00	28.85	3.85	1.49	0.00
26.30	3.85	1.49	0.00	28.90	3.85	1.49	0.00
26.35	3.85	1.49	0.00	28.95	3.85	1.49	0.00
26.40	3.85	1.49	0.00	29.00	3.85	1.49	0.00
26.45	3.85	1.49	0.00	29.05	3.85	1.49	0.00
26.50	3.85	1.49	0.00	29.10	3.85	1.49	0.00
26.55	3.85	1.49	0.00	29.15	3.85	1.49	0.00
26.60	3.85	1.49	0.00	29.20	3.85	1.49	0.00
26.65	3.85	1.49	0.00	29.25	3.85	1.49	0.00
26.70	3.85	1.49	0.00	29.30	3.85	1.49	0.00
26.75	3.85	1.49	0.00	29.35	3.85	1.49	0.00
26.80	3.85	1.49	0.00	29.40	3.85	1.49	0.00
26.85	3.85	1.49	0.00	29.45	3.85	1.49	0.00
26.90	3.85	1.49	0.00	29.50	3.85	1.49	0.00
26.95	3.85	1.49	0.00	29.55	3.85	1.49	0.00
27.00	3.85	1.49	0.00	29.60	3.85	1.49	0.00
27.05	3.85	1.49	0.00	29.65	3.85	1.49	0.00
27.10	3.85	1.49	0.00	29.70	3.85	1.49	0.00
27.15	3.85	1.49	0.00	29.75	3.85	1.49	0.00
27.20	3.85	1.49	0.00	29.80	3.85	1.49	0.00
27.25	3.85	1.49	0.00	29.85	3.85	1.49	0.00
27.30	3.85	1.49	0.00	29.90	3.85	1.49	0.00
27.35	3.85	1.49	0.00	29.95	3.85	1.49	0.00
27.40	3.85	1.49	0.00	30.00	3.85	1.49	0.00
27.45	3.85	1.49	0.00	30.05	3.85	1.49	0.00
27.50	3.85	1.49	0.00	30.10	3.85	1.49	0.00
27.55	3.85	1.49	0.00	30.15	3.85	1.49	0.00
27.60	3.85	1.49	0.00	30.20	3.85	1.49	0.00
27.65	3.85	1.49	0.00	30.25	3.85	1.49	0.00
27.70	3.85	1.49	0.00	30.30	3.85	1.49	0.00
27.75	3.85	1.49	0.00	30.35	3.85	1.49	0.00
27.80	3.85	1.49	0.00	30.40	3.85	1.49	0.00
27.85	3.85	1.49	0.00	30.45	3.85	1.49	0.00
27.90	3.85	1.49	0.00	30.50	3.85	1.49	0.00
27.95	3.85	1.49	0.00	30.55	3.85	1.49	0.00
28.00	3.85	1.49	0.00	30.60	3.85	1.49	0.00
28.05	3.85	1.49	0.00	30.65	3.85	1.49	0.00
28.10	3.85	1.49	0.00	30.70	3.85	1.49	0.00
28.15	3.85	1.49	0.00	30.75	3.85	1.49	0.00
28.20	3.85	1.49	0.00	30.80	3.85	1.49	0.00
28.25	3.85	1.49	0.00	30.85	3.85	1.49	0.00
28.30	3.85	1.49	0.00	30.90	3.85	1.49	0.00
28.35	3.85	1.49	0.00	30.95	3.85	1.49	0.00
28.40	3.85	1.49	0.00	31.00	3.85	1.49	0.00
28.45	3.85	1.49	0.00	31.05	3.85	1.49	0.00
28.50	3.85	1.49	0.00	31.10	3.85	1.49	0.00
28.55	3.85	1.49	0.00	31.15	3.85	1.49	0.00

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.49	0.00	33.80	3.85	1.49	0.00
31.25	3.85	1.49	0.00	33.85	3.85	1.49	0.00
31.30	3.85	1.49	0.00	33.90	3.85	1.49	0.00
31.35	3.85	1.49	0.00	33.95	3.85	1.49	0.00
31.40	3.85	1.49	0.00	34.00	3.85	1.49	0.00
31.45	3.85	1.49	0.00	34.05	3.85	1.49	0.00
31.50	3.85	1.49	0.00	34.10	3.85	1.49	0.00
31.55	3.85	1.49	0.00	34.15	3.85	1.49	0.00
31.60	3.85	1.49	0.00	34.20	3.85	1.49	0.00
31.65	3.85	1.49	0.00	34.25	3.85	1.49	0.00
31.70	3.85	1.49	0.00	34.30	3.85	1.49	0.00
31.75	3.85	1.49	0.00	34.35	3.85	1.49	0.00
31.80	3.85	1.49	0.00	34.40	3.85	1.49	0.00
31.85	3.85	1.49	0.00	34.45	3.85	1.49	0.00
31.90	3.85	1.49	0.00	34.50	3.85	1.49	0.00
31.95	3.85	1.49	0.00	34.55	3.85	1.49	0.00
32.00	3.85	1.49	0.00	34.60	3.85	1.49	0.00
32.05	3.85	1.49	0.00	34.65	3.85	1.49	0.00
32.10	3.85	1.49	0.00	34.70	3.85	1.49	0.00
32.15	3.85	1.49	0.00	34.75	3.85	1.49	0.00
32.20	3.85	1.49	0.00	34.80	3.85	1.49	0.00
32.25	3.85	1.49	0.00	34.85	3.85	1.49	0.00
32.30	3.85	1.49	0.00	34.90	3.85	1.49	0.00
32.35	3.85	1.49	0.00	34.95	3.85	1.49	0.00
32.40	3.85	1.49	0.00	35.00	3.85	1.49	0.00
32.45	3.85	1.49	0.00	35.05	3.85	1.49	0.00
32.50	3.85	1.49	0.00	35.10	3.85	1.49	0.00
32.55	3.85	1.49	0.00	35.15	3.85	1.49	0.00
32.60	3.85	1.49	0.00	35.20	3.85	1.49	0.00
32.65	3.85	1.49	0.00	35.25	3.85	1.49	0.00
32.70	3.85	1.49	0.00	35.30	3.85	1.49	0.00
32.75	3.85	1.49	0.00	35.35	3.85	1.49	0.00
32.80	3.85	1.49	0.00	35.40	3.85	1.49	0.00
32.85	3.85	1.49	0.00	35.45	3.85	1.49	0.00
32.90	3.85	1.49	0.00	35.50	3.85	1.49	0.00
32.95	3.85	1.49	0.00	35.55	3.85	1.49	0.00
33.00	3.85	1.49	0.00	35.60	3.85	1.49	0.00
33.05	3.85	1.49	0.00	35.65	3.85	1.49	0.00
33.10	3.85	1.49	0.00	35.70	3.85	1.49	0.00
33.15	3.85	1.49	0.00	35.75	3.85	1.49	0.00
33.20	3.85	1.49	0.00	35.80	3.85	1.49	0.00
33.25	3.85	1.49	0.00	35.85	3.85	1.49	0.00
33.30	3.85	1.49	0.00	35.90	3.85	1.49	0.00
33.35	3.85	1.49	0.00	35.95	3.85	1.49	0.00
33.40	3.85	1.49	0.00	36.00	3.85	1.49	0.00
33.45	3.85	1.49	0.00	36.05	3.85	1.49	0.00
33.50	3.85	1.49	0.00	36.10	3.85	1.49	0.00
33.55	3.85	1.49	0.00	36.15	3.85	1.49	0.00
33.60	3.85	1.49	0.00	36.20	3.85	1.49	0.00
33.65	3.85	1.49	0.00	36.25	3.85	1.49	0.00
33.70	3.85	1.49	0.00	36.30	3.85	1.49	0.00
33.75	3.85	1.49	0.00	36.35	3.85	1.49	0.00

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.49	0.00
36.45	3.85	1.49	0.00
36.50	3.85	1.49	0.00
36.55	3.85	1.49	0.00
36.60	3.85	1.49	0.00
36.65	3.85	1.49	0.00
36.70	3.85	1.49	0.00
36.75	3.85	1.49	0.00
36.80	3.85	1.49	0.00
36.85	3.85	1.49	0.00
36.90	3.85	1.49	0.00
36.95	3.85	1.49	0.00
37.00	3.85	1.49	0.00
37.05	3.85	1.49	0.00
37.10	3.85	1.49	0.00
37.15	3.85	1.49	0.00
37.20	3.85	1.49	0.00
37.25	3.85	1.49	0.00
37.30	3.85	1.49	0.00
37.35	3.85	1.49	0.00
37.40	3.85	1.49	0.00
37.45	3.85	1.49	0.00
37.50	3.85	1.49	0.00
37.55	3.85	1.49	0.00
37.60	3.85	1.49	0.00
37.65	3.85	1.49	0.00
37.70	3.85	1.49	0.00
37.75	3.85	1.49	0.00
37.80	3.85	1.49	0.00
37.85	3.85	1.49	0.00
37.90	3.85	1.49	0.00
37.95	3.85	1.49	0.00
38.00	3.85	1.49	0.00
38.05	3.85	1.49	0.00
38.10	3.85	1.49	0.00
38.15	3.85	1.49	0.00
38.20	3.85	1.49	0.00
38.25	3.85	1.49	0.00
38.30	3.85	1.49	0.00
38.35	3.85	1.49	0.00
38.40	3.85	1.49	0.00
38.45	3.85	1.49	0.00
38.50	3.85	1.49	0.00
38.55	3.85	1.49	0.00
38.60	3.85	1.49	0.00
38.65	3.85	1.49	0.00
38.70	3.85	1.49	0.00
38.75	3.85	1.49	0.00
38.80	3.85	1.49	0.00
38.85	3.85	1.49	0.00
38.90	3.85	1.49	0.00
38.95	3.85	1.49	0.00
39.00	3.85	1.49	0.00
39.05	3.85	1.49	0.00
39.10	3.85	1.49	0.00
39.15	3.85	1.49	0.00
39.20	3.85	1.49	0.00
39.25	3.85	1.49	0.00
39.30	3.85	1.49	0.00
39.35	3.85	1.49	0.00
39.40	3.85	1.49	0.00
39.45	3.85	1.49	0.00
39.50	3.85	1.49	0.00
39.55	3.85	1.49	0.00
39.60	3.85	1.49	0.00
39.65	3.85	1.49	0.00
39.70	3.85	1.49	0.00
39.75	3.85	1.49	0.00
39.80	3.85	1.49	0.00
39.85	3.85	1.49	0.00
39.90	3.85	1.49	0.00
39.95	3.85	1.49	0.00
40.00	3.85	1.49	0.00

Summary for Subcatchment 56l: PDA-56 (impervious)

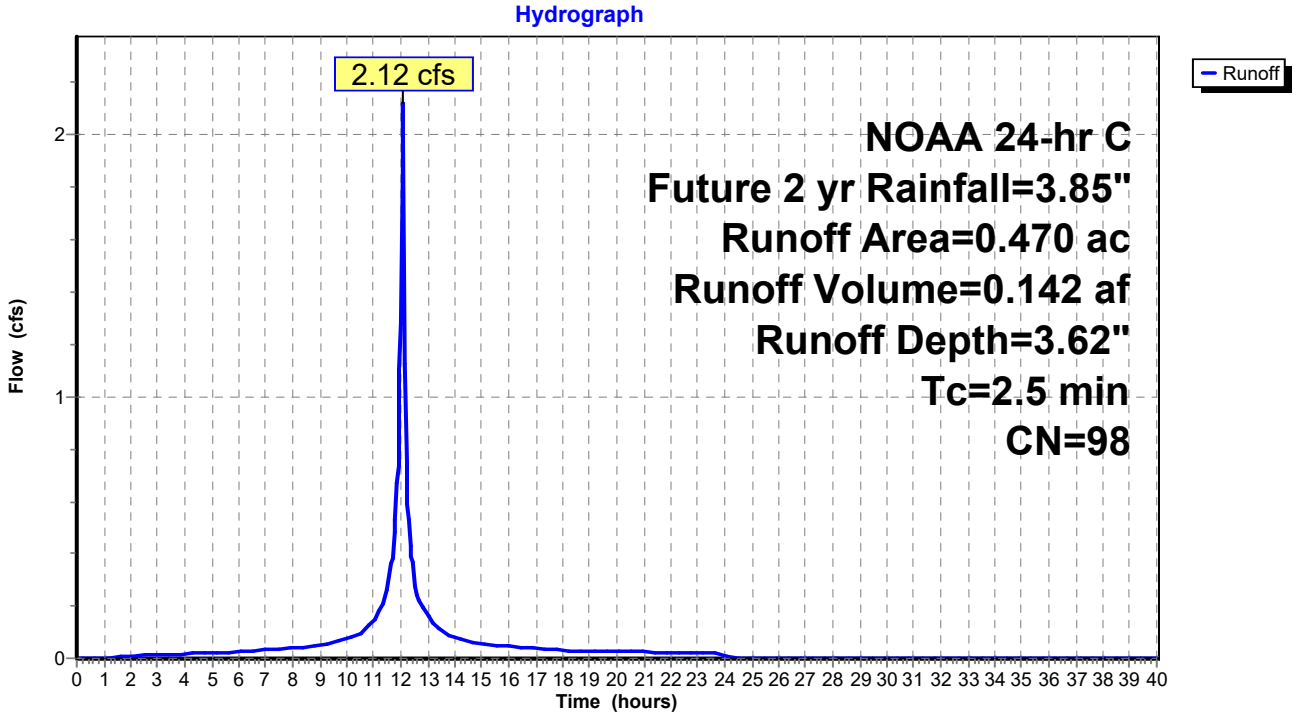
Runoff = 2.12 cfs @ 12.08 hrs, Volume= 0.142 af, Depth= 3.62"
Routed to Pond B-56 : Basin #56

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

	Area (ac)	CN	Description
*	0.470	98	Roof, HSG C
	0.470		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.5					**Direct Entry,**

Subcatchment 56l: PDA-56 (impervious)



Hydrograph for Subcatchment 56I: PDA-56 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.02	0.01
0.05	0.00	0.00	0.00	2.65	0.12	0.02	0.01
0.10	0.00	0.00	0.00	2.70	0.12	0.02	0.01
0.15	0.01	0.00	0.00	2.75	0.12	0.02	0.01
0.20	0.01	0.00	0.00	2.80	0.13	0.02	0.01
0.25	0.01	0.00	0.00	2.85	0.13	0.03	0.01
0.30	0.01	0.00	0.00	2.90	0.13	0.03	0.01
0.35	0.01	0.00	0.00	2.95	0.13	0.03	0.01
0.40	0.02	0.00	0.00	3.00	0.14	0.03	0.01
0.45	0.02	0.00	0.00	3.05	0.14	0.03	0.01
0.50	0.02	0.00	0.00	3.10	0.14	0.03	0.01
0.55	0.02	0.00	0.00	3.15	0.14	0.03	0.01
0.60	0.03	0.00	0.00	3.20	0.15	0.04	0.01
0.65	0.03	0.00	0.00	3.25	0.15	0.04	0.01
0.70	0.03	0.00	0.00	3.30	0.15	0.04	0.01
0.75	0.03	0.00	0.00	3.35	0.15	0.04	0.01
0.80	0.03	0.00	0.00	3.40	0.16	0.04	0.01
0.85	0.04	0.00	0.00	3.45	0.16	0.04	0.01
0.90	0.04	0.00	0.00	3.50	0.16	0.04	0.02
0.95	0.04	0.00	0.00	3.55	0.16	0.05	0.02
1.00	0.04	0.00	0.00	3.60	0.17	0.05	0.02
1.05	0.04	0.00	0.00	3.65	0.17	0.05	0.02
1.10	0.05	0.00	0.00	3.70	0.17	0.05	0.02
1.15	0.05	0.00	0.00	3.75	0.17	0.05	0.02
1.20	0.05	0.00	0.00	3.80	0.18	0.05	0.02
1.25	0.05	0.00	0.00	3.85	0.18	0.06	0.02
1.30	0.06	0.00	0.00	3.90	0.18	0.06	0.02
1.35	0.06	0.00	0.00	3.95	0.19	0.06	0.02
1.40	0.06	0.00	0.00	4.00	0.19	0.06	0.02
1.45	0.06	0.00	0.00	4.05	0.19	0.06	0.02
1.50	0.06	0.00	0.00	4.10	0.19	0.07	0.02
1.55	0.07	0.00	0.00	4.15	0.20	0.07	0.02
1.60	0.07	0.00	0.00	4.20	0.20	0.07	0.02
1.65	0.07	0.00	0.00	4.25	0.20	0.07	0.02
1.70	0.07	0.00	0.01	4.30	0.20	0.07	0.02
1.75	0.08	0.01	0.01	4.35	0.21	0.08	0.02
1.80	0.08	0.01	0.01	4.40	0.21	0.08	0.02
1.85	0.08	0.01	0.01	4.45	0.21	0.08	0.02
1.90	0.08	0.01	0.01	4.50	0.22	0.08	0.02
1.95	0.08	0.01	0.01	4.55	0.22	0.08	0.02
2.00	0.09	0.01	0.01	4.60	0.22	0.09	0.02
2.05	0.09	0.01	0.01	4.65	0.22	0.09	0.02
2.10	0.09	0.01	0.01	4.70	0.23	0.09	0.02
2.15	0.09	0.01	0.01	4.75	0.23	0.09	0.02
2.20	0.10	0.01	0.01	4.80	0.23	0.09	0.02
2.25	0.10	0.01	0.01	4.85	0.24	0.10	0.02
2.30	0.10	0.01	0.01	4.90	0.24	0.10	0.02
2.35	0.10	0.01	0.01	4.95	0.24	0.10	0.02
2.40	0.11	0.02	0.01	5.00	0.24	0.10	0.02
2.45	0.11	0.02	0.01	5.05	0.25	0.10	0.02
2.50	0.11	0.02	0.01	5.10	0.25	0.11	0.02
2.55	0.11	0.02	0.01	5.15	0.25	0.11	0.02

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.11	0.02	7.80	0.44	0.27	0.04
5.25	0.26	0.11	0.02	7.85	0.45	0.27	0.04
5.30	0.26	0.12	0.02	7.90	0.45	0.27	0.04
5.35	0.27	0.12	0.02	7.95	0.46	0.28	0.04
5.40	0.27	0.12	0.02	8.00	0.46	0.28	0.04
5.45	0.27	0.12	0.02	8.05	0.47	0.29	0.04
5.50	0.27	0.12	0.02	8.10	0.47	0.29	0.04
5.55	0.28	0.13	0.02	8.15	0.48	0.30	0.04
5.60	0.28	0.13	0.02	8.20	0.48	0.30	0.04
5.65	0.28	0.13	0.02	8.25	0.49	0.30	0.04
5.70	0.29	0.13	0.02	8.30	0.49	0.31	0.04
5.75	0.29	0.14	0.02	8.35	0.49	0.31	0.04
5.80	0.29	0.14	0.02	8.40	0.50	0.32	0.04
5.85	0.30	0.14	0.02	8.45	0.50	0.32	0.04
5.90	0.30	0.14	0.02	8.50	0.51	0.33	0.04
5.95	0.30	0.15	0.02	8.55	0.51	0.33	0.04
6.00	0.31	0.15	0.02	8.60	0.52	0.34	0.04
6.05	0.31	0.15	0.02	8.65	0.53	0.34	0.04
6.10	0.31	0.15	0.02	8.70	0.53	0.35	0.04
6.15	0.31	0.16	0.02	8.75	0.54	0.35	0.05
6.20	0.32	0.16	0.03	8.80	0.54	0.36	0.05
6.25	0.32	0.16	0.03	8.85	0.55	0.36	0.05
6.30	0.32	0.17	0.03	8.90	0.55	0.36	0.05
6.35	0.33	0.17	0.03	8.95	0.56	0.37	0.05
6.40	0.33	0.17	0.03	9.00	0.56	0.37	0.05
6.45	0.33	0.17	0.03	9.05	0.57	0.38	0.05
6.50	0.34	0.18	0.03	9.10	0.57	0.39	0.05
6.55	0.34	0.18	0.03	9.15	0.58	0.39	0.05
6.60	0.35	0.18	0.03	9.20	0.59	0.40	0.05
6.65	0.35	0.19	0.03	9.25	0.59	0.40	0.05
6.70	0.35	0.19	0.03	9.30	0.60	0.41	0.06
6.75	0.36	0.19	0.03	9.35	0.60	0.41	0.06
6.80	0.36	0.19	0.03	9.40	0.61	0.42	0.06
6.85	0.36	0.20	0.03	9.45	0.62	0.43	0.06
6.90	0.37	0.20	0.03	9.50	0.62	0.43	0.06
6.95	0.37	0.20	0.03	9.55	0.63	0.44	0.06
7.00	0.38	0.21	0.03	9.60	0.64	0.45	0.06
7.05	0.38	0.21	0.03	9.65	0.65	0.45	0.07
7.10	0.38	0.21	0.03	9.70	0.65	0.46	0.07
7.15	0.39	0.22	0.03	9.75	0.66	0.47	0.07
7.20	0.39	0.22	0.03	9.80	0.67	0.47	0.07
7.25	0.40	0.23	0.03	9.85	0.68	0.48	0.07
7.30	0.40	0.23	0.03	9.90	0.69	0.49	0.07
7.35	0.40	0.23	0.03	9.95	0.69	0.50	0.07
7.40	0.41	0.24	0.03	10.00	0.70	0.51	0.07
7.45	0.41	0.24	0.04	10.05	0.71	0.51	0.08
7.50	0.42	0.24	0.04	10.10	0.72	0.52	0.08
7.55	0.42	0.25	0.04	10.15	0.73	0.53	0.08
7.60	0.43	0.25	0.04	10.20	0.74	0.54	0.08
7.65	0.43	0.25	0.04	10.25	0.75	0.55	0.08
7.70	0.43	0.26	0.04	10.30	0.76	0.56	0.08
7.75	0.44	0.26	0.04	10.35	0.76	0.56	0.08

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.57	0.09	13.00	2.93	2.69	0.16
10.45	0.78	0.58	0.09	13.05	2.94	2.71	0.15
10.50	0.79	0.59	0.09	13.10	2.96	2.73	0.14
10.55	0.80	0.60	0.10	13.15	2.97	2.74	0.14
10.60	0.82	0.61	0.10	13.20	2.98	2.75	0.13
10.65	0.83	0.62	0.11	13.25	3.00	2.77	0.13
10.70	0.84	0.64	0.11	13.30	3.01	2.78	0.12
10.75	0.85	0.65	0.12	13.35	3.02	2.79	0.12
10.80	0.87	0.66	0.12	13.40	3.03	2.80	0.11
10.85	0.88	0.67	0.13	13.45	3.05	2.81	0.11
10.90	0.89	0.69	0.13	13.50	3.06	2.82	0.10
10.95	0.91	0.70	0.14	13.55	3.07	2.83	0.09
11.00	0.92	0.72	0.14	13.60	3.08	2.84	0.09
11.05	0.94	0.73	0.15	13.65	3.09	2.85	0.09
11.10	0.96	0.75	0.16	13.70	3.09	2.86	0.09
11.15	0.98	0.77	0.17	13.75	3.10	2.87	0.09
11.20	1.00	0.79	0.18	13.80	3.11	2.88	0.09
11.25	1.02	0.81	0.19	13.85	3.12	2.89	0.08
11.30	1.04	0.83	0.20	13.90	3.13	2.90	0.08
11.35	1.06	0.85	0.21	13.95	3.14	2.91	0.08
11.40	1.09	0.88	0.22	14.00	3.15	2.92	0.08
11.45	1.11	0.90	0.23	14.05	3.16	2.92	0.08
11.50	1.14	0.92	0.24	14.10	3.16	2.93	0.08
11.55	1.18	0.96	0.32	14.15	3.17	2.94	0.08
11.60	1.22	1.00	0.36	14.20	3.18	2.95	0.08
11.65	1.26	1.04	0.37	14.25	3.19	2.96	0.07
11.70	1.30	1.08	0.38	14.30	3.20	2.96	0.07
11.75	1.35	1.14	0.48	14.35	3.20	2.97	0.07
11.80	1.41	1.19	0.53	14.40	3.21	2.98	0.07
11.85	1.49	1.27	0.67	14.45	3.22	2.99	0.07
11.90	1.57	1.34	0.74	14.50	3.23	2.99	0.07
11.95	1.70	1.48	1.11	14.55	3.23	3.00	0.07
12.00	1.83	1.61	1.28	14.60	3.24	3.01	0.06
12.05	2.06	1.83	1.87	14.65	3.25	3.01	0.06
12.10	2.28	2.06	**2.06**	14.70	3.25	3.02	0.06
12.15	2.36	2.13	1.13	14.75	3.26	3.03	0.06
12.20	2.44	2.21	0.75	14.80	3.26	3.03	0.06
12.25	2.50	2.27	0.59	14.85	3.27	3.04	0.06
12.30	2.55	2.32	0.53	14.90	3.28	3.04	0.06
12.35	2.59	2.36	0.43	14.95	3.28	3.05	0.05
12.40	2.63	2.40	0.39	15.00	3.29	3.05	0.05
12.45	2.67	2.44	0.37	15.05	3.29	3.06	0.05
12.50	2.71	2.48	0.36	15.10	3.30	3.07	0.05
12.55	2.74	2.51	0.27	15.15	3.30	3.07	0.05
12.60	2.76	2.53	0.24	15.20	3.31	3.08	0.05
12.65	2.79	2.56	0.23	15.25	3.31	3.08	0.05
12.70	2.81	2.58	0.22	15.30	3.32	3.09	0.05
12.75	2.83	2.60	0.21	15.35	3.32	3.09	0.05
12.80	2.85	2.62	0.20	15.40	3.33	3.10	0.05
12.85	2.87	2.64	0.19	15.45	3.34	3.10	0.05
12.90	2.89	2.66	0.18	15.50	3.34	3.11	0.05
12.95	2.91	2.68	0.17	15.55	3.35	3.11	0.05

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	3.12	0.05	18.20	3.56	3.32	0.03
15.65	3.36	3.12	0.05	18.25	3.56	3.33	0.03
15.70	3.36	3.13	0.05	18.30	3.56	3.33	0.03
15.75	3.36	3.13	0.05	18.35	3.57	3.33	0.03
15.80	3.37	3.14	0.05	18.40	3.57	3.34	0.03
15.85	3.37	3.14	0.05	18.45	3.57	3.34	0.03
15.90	3.38	3.15	0.05	18.50	3.58	3.34	0.03
15.95	3.38	3.15	0.04	18.55	3.58	3.34	0.03
16.00	3.39	3.16	0.04	18.60	3.58	3.35	0.03
16.05	3.39	3.16	0.04	18.65	3.58	3.35	0.03
16.10	3.40	3.16	0.04	18.70	3.59	3.35	0.03
16.15	3.40	3.17	0.04	18.75	3.59	3.36	0.03
16.20	3.41	3.17	0.04	18.80	3.59	3.36	0.03
16.25	3.41	3.18	0.04	18.85	3.60	3.36	0.03
16.30	3.42	3.18	0.04	18.90	3.60	3.37	0.03
16.35	3.42	3.19	0.04	18.95	3.60	3.37	0.03
16.40	3.42	3.19	0.04	19.00	3.61	3.37	0.03
16.45	3.43	3.20	0.04	19.05	3.61	3.37	0.03
16.50	3.43	3.20	0.04	19.10	3.61	3.38	0.03
16.55	3.44	3.20	0.04	19.15	3.61	3.38	0.03
16.60	3.44	3.21	0.04	19.20	3.62	3.38	0.03
16.65	3.45	3.21	0.04	19.25	3.62	3.39	0.03
16.70	3.45	3.22	0.04	19.30	3.62	3.39	0.03
16.75	3.45	3.22	0.04	19.35	3.63	3.39	0.03
16.80	3.46	3.23	0.04	19.40	3.63	3.39	0.03
16.85	3.46	3.23	0.04	19.45	3.63	3.40	0.03
16.90	3.47	3.23	0.04	19.50	3.63	3.40	0.03
16.95	3.47	3.24	0.04	19.55	3.64	3.40	0.03
17.00	3.47	3.24	0.04	19.60	3.64	3.41	0.03
17.05	3.48	3.24	0.04	19.65	3.64	3.41	0.03
17.10	3.48	3.25	0.04	19.70	3.65	3.41	0.03
17.15	3.49	3.25	0.04	19.75	3.65	3.41	0.03
17.20	3.49	3.26	0.04	19.80	3.65	3.42	0.03
17.25	3.49	3.26	0.04	19.85	3.65	3.42	0.03
17.30	3.50	3.26	0.03	19.90	3.66	3.42	0.03
17.35	3.50	3.27	0.03	19.95	3.66	3.42	0.03
17.40	3.50	3.27	0.03	20.00	3.66	3.43	0.03
17.45	3.51	3.27	0.03	20.05	3.66	3.43	0.03
17.50	3.51	3.28	0.03	20.10	3.67	3.43	0.03
17.55	3.52	3.28	0.03	20.15	3.67	3.44	0.03
17.60	3.52	3.28	0.03	20.20	3.67	3.44	0.03
17.65	3.52	3.29	0.03	20.25	3.68	3.44	0.03
17.70	3.53	3.29	0.03	20.30	3.68	3.44	0.03
17.75	3.53	3.30	0.03	20.35	3.68	3.45	0.03
17.80	3.53	3.30	0.03	20.40	3.68	3.45	0.03
17.85	3.54	3.30	0.03	20.45	3.69	3.45	0.02
17.90	3.54	3.30	0.03	20.50	3.69	3.45	0.02
17.95	3.54	3.31	0.03	20.55	3.69	3.46	0.02
18.00	3.54	3.31	0.03	20.60	3.69	3.46	0.02
18.05	3.55	3.31	0.03	20.65	3.70	3.46	0.02
18.10	3.55	3.32	0.03	20.70	3.70	3.46	0.02
18.15	3.55	3.32	0.03	20.75	3.70	3.47	0.02

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	3.47	0.02	23.40	3.82	3.59	0.02
20.85	3.71	3.47	0.02	23.45	3.83	3.59	0.02
20.90	3.71	3.47	0.02	23.50	3.83	3.59	0.02
20.95	3.71	3.48	0.02	23.55	3.83	3.60	0.02
21.00	3.71	3.48	0.02	23.60	3.83	3.60	0.02
21.05	3.72	3.48	0.02	23.65	3.84	3.60	0.02
21.10	3.72	3.49	0.02	23.70	3.84	3.60	0.02
21.15	3.72	3.49	0.02	23.75	3.84	3.60	0.02
21.20	3.72	3.49	0.02	23.80	3.84	3.61	0.02
21.25	3.73	3.49	0.02	23.85	3.84	3.61	0.02
21.30	3.73	3.50	0.02	23.90	3.85	3.61	0.02
21.35	3.73	3.50	0.02	23.95	3.85	3.61	0.02
21.40	3.73	3.50	0.02	24.00	**3.85**	**3.62**	0.02
21.45	3.74	3.50	0.02	24.05	3.85	3.62	0.01
21.50	3.74	3.50	0.02	24.10	3.85	3.62	0.00
21.55	3.74	3.51	0.02	24.15	3.85	3.62	0.00
21.60	3.74	3.51	0.02	24.20	3.85	3.62	0.00
21.65	3.75	3.51	0.02	24.25	3.85	3.62	0.00
21.70	3.75	3.51	0.02	24.30	3.85	3.62	0.00
21.75	3.75	3.52	0.02	24.35	3.85	3.62	0.00
21.80	3.75	3.52	0.02	24.40	3.85	3.62	0.00
21.85	3.76	3.52	0.02	24.45	3.85	3.62	0.00
21.90	3.76	3.52	0.02	24.50	3.85	3.62	0.00
21.95	3.76	3.53	0.02	24.55	3.85	3.62	0.00
22.00	3.76	3.53	0.02	24.60	3.85	3.62	0.00
22.05	3.77	3.53	0.02	24.65	3.85	3.62	0.00
22.10	3.77	3.53	0.02	24.70	3.85	3.62	0.00
22.15	3.77	3.54	0.02	24.75	3.85	3.62	0.00
22.20	3.77	3.54	0.02	24.80	3.85	3.62	0.00
22.25	3.77	3.54	0.02	24.85	3.85	3.62	0.00
22.30	3.78	3.54	0.02	24.90	3.85	3.62	0.00
22.35	3.78	3.54	0.02	24.95	3.85	3.62	0.00
22.40	3.78	3.55	0.02	25.00	3.85	3.62	0.00
22.45	3.78	3.55	0.02	25.05	3.85	3.62	0.00
22.50	3.79	3.55	0.02	25.10	3.85	3.62	0.00
22.55	3.79	3.55	0.02	25.15	3.85	3.62	0.00
22.60	3.79	3.56	0.02	25.20	3.85	3.62	0.00
22.65	3.79	3.56	0.02	25.25	3.85	3.62	0.00
22.70	3.79	3.56	0.02	25.30	3.85	3.62	0.00
22.75	3.80	3.56	0.02	25.35	3.85	3.62	0.00
22.80	3.80	3.56	0.02	25.40	3.85	3.62	0.00
22.85	3.80	3.57	0.02	25.45	3.85	3.62	0.00
22.90	3.80	3.57	0.02	25.50	3.85	3.62	0.00
22.95	3.81	3.57	0.02	25.55	3.85	3.62	0.00
23.00	3.81	3.57	0.02	25.60	3.85	3.62	0.00
23.05	3.81	3.58	0.02	25.65	3.85	3.62	0.00
23.10	3.81	3.58	0.02	25.70	3.85	3.62	0.00
23.15	3.81	3.58	0.02	25.75	3.85	3.62	0.00
23.20	3.82	3.58	0.02	25.80	3.85	3.62	0.00
23.25	3.82	3.58	0.02	25.85	3.85	3.62	0.00
23.30	3.82	3.59	0.02	25.90	3.85	3.62	0.00
23.35	3.82	3.59	0.02	25.95	3.85	3.62	0.00

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	3.62	0.00	28.60	3.85	3.62	0.00
26.05	3.85	3.62	0.00	28.65	3.85	3.62	0.00
26.10	3.85	3.62	0.00	28.70	3.85	3.62	0.00
26.15	3.85	3.62	0.00	28.75	3.85	3.62	0.00
26.20	3.85	3.62	0.00	28.80	3.85	3.62	0.00
26.25	3.85	3.62	0.00	28.85	3.85	3.62	0.00
26.30	3.85	3.62	0.00	28.90	3.85	3.62	0.00
26.35	3.85	3.62	0.00	28.95	3.85	3.62	0.00
26.40	3.85	3.62	0.00	29.00	3.85	3.62	0.00
26.45	3.85	3.62	0.00	29.05	3.85	3.62	0.00
26.50	3.85	3.62	0.00	29.10	3.85	3.62	0.00
26.55	3.85	3.62	0.00	29.15	3.85	3.62	0.00
26.60	3.85	3.62	0.00	29.20	3.85	3.62	0.00
26.65	3.85	3.62	0.00	29.25	3.85	3.62	0.00
26.70	3.85	3.62	0.00	29.30	3.85	3.62	0.00
26.75	3.85	3.62	0.00	29.35	3.85	3.62	0.00
26.80	3.85	3.62	0.00	29.40	3.85	3.62	0.00
26.85	3.85	3.62	0.00	29.45	3.85	3.62	0.00
26.90	3.85	3.62	0.00	29.50	3.85	3.62	0.00
26.95	3.85	3.62	0.00	29.55	3.85	3.62	0.00
27.00	3.85	3.62	0.00	29.60	3.85	3.62	0.00
27.05	3.85	3.62	0.00	29.65	3.85	3.62	0.00
27.10	3.85	3.62	0.00	29.70	3.85	3.62	0.00
27.15	3.85	3.62	0.00	29.75	3.85	3.62	0.00
27.20	3.85	3.62	0.00	29.80	3.85	3.62	0.00
27.25	3.85	3.62	0.00	29.85	3.85	3.62	0.00
27.30	3.85	3.62	0.00	29.90	3.85	3.62	0.00
27.35	3.85	3.62	0.00	29.95	3.85	3.62	0.00
27.40	3.85	3.62	0.00	30.00	3.85	3.62	0.00
27.45	3.85	3.62	0.00	30.05	3.85	3.62	0.00
27.50	3.85	3.62	0.00	30.10	3.85	3.62	0.00
27.55	3.85	3.62	0.00	30.15	3.85	3.62	0.00
27.60	3.85	3.62	0.00	30.20	3.85	3.62	0.00
27.65	3.85	3.62	0.00	30.25	3.85	3.62	0.00
27.70	3.85	3.62	0.00	30.30	3.85	3.62	0.00
27.75	3.85	3.62	0.00	30.35	3.85	3.62	0.00
27.80	3.85	3.62	0.00	30.40	3.85	3.62	0.00
27.85	3.85	3.62	0.00	30.45	3.85	3.62	0.00
27.90	3.85	3.62	0.00	30.50	3.85	3.62	0.00
27.95	3.85	3.62	0.00	30.55	3.85	3.62	0.00
28.00	3.85	3.62	0.00	30.60	3.85	3.62	0.00
28.05	3.85	3.62	0.00	30.65	3.85	3.62	0.00
28.10	3.85	3.62	0.00	30.70	3.85	3.62	0.00
28.15	3.85	3.62	0.00	30.75	3.85	3.62	0.00
28.20	3.85	3.62	0.00	30.80	3.85	3.62	0.00
28.25	3.85	3.62	0.00	30.85	3.85	3.62	0.00
28.30	3.85	3.62	0.00	30.90	3.85	3.62	0.00
28.35	3.85	3.62	0.00	30.95	3.85	3.62	0.00
28.40	3.85	3.62	0.00	31.00	3.85	3.62	0.00
28.45	3.85	3.62	0.00	31.05	3.85	3.62	0.00
28.50	3.85	3.62	0.00	31.10	3.85	3.62	0.00
28.55	3.85	3.62	0.00	31.15	3.85	3.62	0.00

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	3.62	0.00	33.80	3.85	3.62	0.00
31.25	3.85	3.62	0.00	33.85	3.85	3.62	0.00
31.30	3.85	3.62	0.00	33.90	3.85	3.62	0.00
31.35	3.85	3.62	0.00	33.95	3.85	3.62	0.00
31.40	3.85	3.62	0.00	34.00	3.85	3.62	0.00
31.45	3.85	3.62	0.00	34.05	3.85	3.62	0.00
31.50	3.85	3.62	0.00	34.10	3.85	3.62	0.00
31.55	3.85	3.62	0.00	34.15	3.85	3.62	0.00
31.60	3.85	3.62	0.00	34.20	3.85	3.62	0.00
31.65	3.85	3.62	0.00	34.25	3.85	3.62	0.00
31.70	3.85	3.62	0.00	34.30	3.85	3.62	0.00
31.75	3.85	3.62	0.00	34.35	3.85	3.62	0.00
31.80	3.85	3.62	0.00	34.40	3.85	3.62	0.00
31.85	3.85	3.62	0.00	34.45	3.85	3.62	0.00
31.90	3.85	3.62	0.00	34.50	3.85	3.62	0.00
31.95	3.85	3.62	0.00	34.55	3.85	3.62	0.00
32.00	3.85	3.62	0.00	34.60	3.85	3.62	0.00
32.05	3.85	3.62	0.00	34.65	3.85	3.62	0.00
32.10	3.85	3.62	0.00	34.70	3.85	3.62	0.00
32.15	3.85	3.62	0.00	34.75	3.85	3.62	0.00
32.20	3.85	3.62	0.00	34.80	3.85	3.62	0.00
32.25	3.85	3.62	0.00	34.85	3.85	3.62	0.00
32.30	3.85	3.62	0.00	34.90	3.85	3.62	0.00
32.35	3.85	3.62	0.00	34.95	3.85	3.62	0.00
32.40	3.85	3.62	0.00	35.00	3.85	3.62	0.00
32.45	3.85	3.62	0.00	35.05	3.85	3.62	0.00
32.50	3.85	3.62	0.00	35.10	3.85	3.62	0.00
32.55	3.85	3.62	0.00	35.15	3.85	3.62	0.00
32.60	3.85	3.62	0.00	35.20	3.85	3.62	0.00
32.65	3.85	3.62	0.00	35.25	3.85	3.62	0.00
32.70	3.85	3.62	0.00	35.30	3.85	3.62	0.00
32.75	3.85	3.62	0.00	35.35	3.85	3.62	0.00
32.80	3.85	3.62	0.00	35.40	3.85	3.62	0.00
32.85	3.85	3.62	0.00	35.45	3.85	3.62	0.00
32.90	3.85	3.62	0.00	35.50	3.85	3.62	0.00
32.95	3.85	3.62	0.00	35.55	3.85	3.62	0.00
33.00	3.85	3.62	0.00	35.60	3.85	3.62	0.00
33.05	3.85	3.62	0.00	35.65	3.85	3.62	0.00
33.10	3.85	3.62	0.00	35.70	3.85	3.62	0.00
33.15	3.85	3.62	0.00	35.75	3.85	3.62	0.00
33.20	3.85	3.62	0.00	35.80	3.85	3.62	0.00
33.25	3.85	3.62	0.00	35.85	3.85	3.62	0.00
33.30	3.85	3.62	0.00	35.90	3.85	3.62	0.00
33.35	3.85	3.62	0.00	35.95	3.85	3.62	0.00
33.40	3.85	3.62	0.00	36.00	3.85	3.62	0.00
33.45	3.85	3.62	0.00	36.05	3.85	3.62	0.00
33.50	3.85	3.62	0.00	36.10	3.85	3.62	0.00
33.55	3.85	3.62	0.00	36.15	3.85	3.62	0.00
33.60	3.85	3.62	0.00	36.20	3.85	3.62	0.00
33.65	3.85	3.62	0.00	36.25	3.85	3.62	0.00
33.70	3.85	3.62	0.00	36.30	3.85	3.62	0.00
33.75	3.85	3.62	0.00	36.35	3.85	3.62	0.00

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	3.62	0.00
36.45	3.85	3.62	0.00
36.50	3.85	3.62	0.00
36.55	3.85	3.62	0.00
36.60	3.85	3.62	0.00
36.65	3.85	3.62	0.00
36.70	3.85	3.62	0.00
36.75	3.85	3.62	0.00
36.80	3.85	3.62	0.00
36.85	3.85	3.62	0.00
36.90	3.85	3.62	0.00
36.95	3.85	3.62	0.00
37.00	3.85	3.62	0.00
37.05	3.85	3.62	0.00
37.10	3.85	3.62	0.00
37.15	3.85	3.62	0.00
37.20	3.85	3.62	0.00
37.25	3.85	3.62	0.00
37.30	3.85	3.62	0.00
37.35	3.85	3.62	0.00
37.40	3.85	3.62	0.00
37.45	3.85	3.62	0.00
37.50	3.85	3.62	0.00
37.55	3.85	3.62	0.00
37.60	3.85	3.62	0.00
37.65	3.85	3.62	0.00
37.70	3.85	3.62	0.00
37.75	3.85	3.62	0.00
37.80	3.85	3.62	0.00
37.85	3.85	3.62	0.00
37.90	3.85	3.62	0.00
37.95	3.85	3.62	0.00
38.00	3.85	3.62	0.00
38.05	3.85	3.62	0.00
38.10	3.85	3.62	0.00
38.15	3.85	3.62	0.00
38.20	3.85	3.62	0.00
38.25	3.85	3.62	0.00
38.30	3.85	3.62	0.00
38.35	3.85	3.62	0.00
38.40	3.85	3.62	0.00
38.45	3.85	3.62	0.00
38.50	3.85	3.62	0.00
38.55	3.85	3.62	0.00
38.60	3.85	3.62	0.00
38.65	3.85	3.62	0.00
38.70	3.85	3.62	0.00
38.75	3.85	3.62	0.00
38.80	3.85	3.62	0.00
38.85	3.85	3.62	0.00
38.90	3.85	3.62	0.00
38.95	3.85	3.62	0.00
39.00	3.85	3.62	0.00
39.05	3.85	3.62	0.00
39.10	3.85	3.62	0.00
39.15	3.85	3.62	0.00
39.20	3.85	3.62	0.00
39.25	3.85	3.62	0.00
39.30	3.85	3.62	0.00
39.35	3.85	3.62	0.00
39.40	3.85	3.62	0.00
39.45	3.85	3.62	0.00
39.50	3.85	3.62	0.00
39.55	3.85	3.62	0.00
39.60	3.85	3.62	0.00
39.65	3.85	3.62	0.00
39.70	3.85	3.62	0.00
39.75	3.85	3.62	0.00
39.80	3.85	3.62	0.00
39.85	3.85	3.62	0.00
39.90	3.85	3.62	0.00
39.95	3.85	3.62	0.00
40.00	3.85	3.62	0.00

Summary for Subcatchment 56P: PDA-56 (pervious)

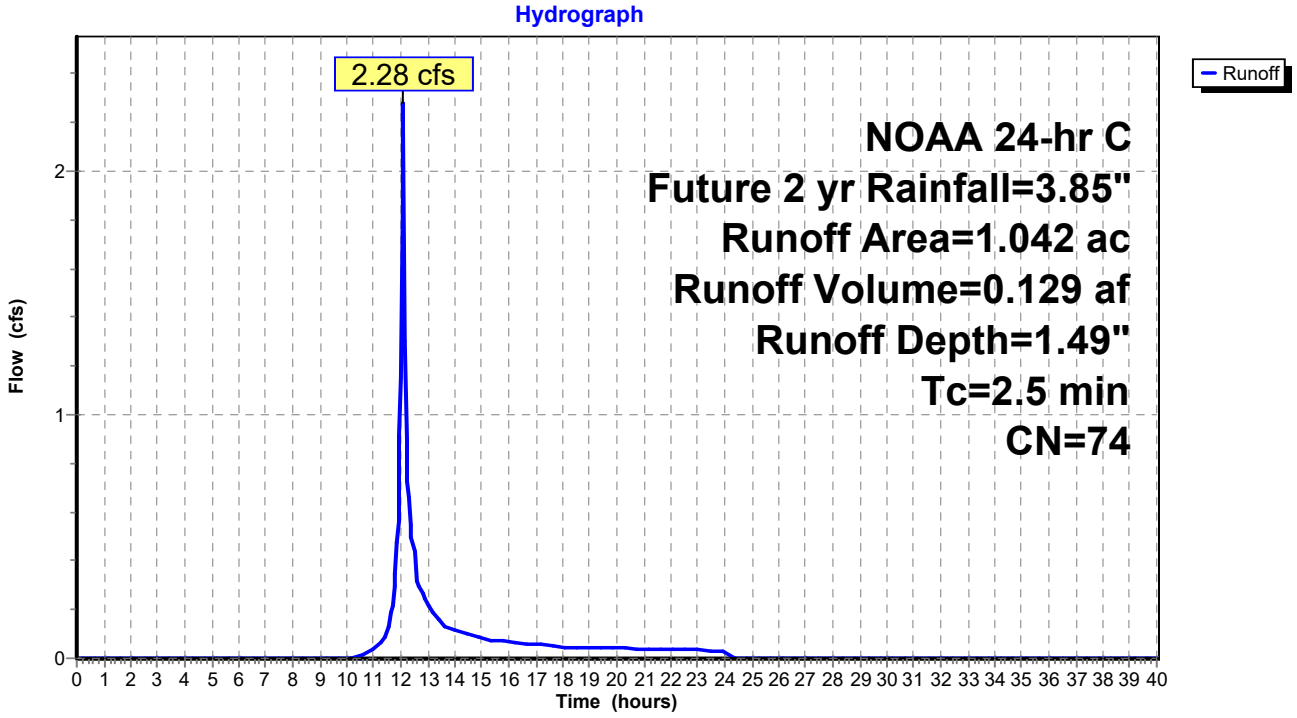
Runoff = 2.28 cfs @ 12.09 hrs, Volume= 0.129 af, Depth= 1.49"
Routed to Pond B-56 : Basin #56

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
1.042	74	>75% Grass cover, Good, HSG C
1.042		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.5					**Direct Entry,**

Subcatchment 56P: PDA-56 (pervious)



Hydrograph for Subcatchment 56P: PDA-56 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.00
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.01

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.01	13.00	2.93	0.86	0.23
10.45	0.78	0.00	0.01	13.05	2.94	0.87	0.21
10.50	0.79	0.00	0.01	13.10	2.96	0.88	0.20
10.55	0.80	0.00	0.01	13.15	2.97	0.89	0.19
10.60	0.82	0.00	0.01	13.20	2.98	0.90	0.19
10.65	0.83	0.00	0.02	13.25	3.00	0.91	0.18
10.70	0.84	0.01	0.02	13.30	3.01	0.92	0.17
10.75	0.85	0.01	0.02	13.35	3.02	0.92	0.16
10.80	0.87	0.01	0.02	13.40	3.03	0.93	0.16
10.85	0.88	0.01	0.03	13.45	3.05	0.94	0.15
10.90	0.89	0.01	0.03	13.50	3.06	0.94	0.15
10.95	0.91	0.01	0.03	13.55	3.07	0.95	0.14
11.00	0.92	0.01	0.04	13.60	3.08	0.96	0.13
11.05	0.94	0.02	0.04	13.65	3.09	0.96	0.13
11.10	0.96	0.02	0.05	13.70	3.09	0.97	0.13
11.15	0.98	0.02	0.05	13.75	3.10	0.97	0.13
11.20	1.00	0.02	0.06	13.80	3.11	0.98	0.12
11.25	1.02	0.03	0.07	13.85	3.12	0.99	0.12
11.30	1.04	0.03	0.07	13.90	3.13	0.99	0.12
11.35	1.06	0.03	0.08	13.95	3.14	1.00	0.12
11.40	1.09	0.04	0.09	14.00	3.15	1.00	0.12
11.45	1.11	0.04	0.10	14.05	3.16	1.01	0.11
11.50	1.14	0.05	0.11	14.10	3.16	1.01	0.11
11.55	1.18	0.06	0.16	14.15	3.17	1.02	0.11
11.60	1.22	0.07	0.19	14.20	3.18	1.02	0.11
11.65	1.26	0.08	0.21	14.25	3.19	1.03	0.11
11.70	1.30	0.09	0.22	14.30	3.20	1.03	0.11
11.75	1.35	0.10	0.30	14.35	3.20	1.04	0.10
11.80	1.41	0.12	0.35	14.40	3.21	1.04	0.10
11.85	1.49	0.14	0.47	14.45	3.22	1.05	0.10
11.90	1.57	0.17	0.56	14.50	3.23	1.05	0.10
11.95	1.70	0.22	0.92	14.55	3.23	1.06	0.10
12.00	1.83	0.28	1.15	14.60	3.24	1.06	0.10
12.05	2.06	0.38	1.86	14.65	3.25	1.07	0.09
12.10	2.28	0.49	**2.26**	14.70	3.25	1.07	0.09
12.15	2.36	0.53	1.31	14.75	3.26	1.08	0.09
12.20	2.44	0.57	0.90	14.80	3.26	1.08	0.09
12.25	2.50	0.61	0.73	14.85	3.27	1.08	0.08
12.30	2.55	0.64	0.66	14.90	3.28	1.09	0.08
12.35	2.59	0.66	0.54	14.95	3.28	1.09	0.08
12.40	2.63	0.69	0.50	15.00	3.29	1.10	0.08
12.45	2.67	0.71	0.49	15.05	3.29	1.10	0.08
12.50	2.71	0.73	0.48	15.10	3.30	1.10	0.08
12.55	2.74	0.75	0.36	15.15	3.30	1.11	0.08
12.60	2.76	0.76	0.32	15.20	3.31	1.11	0.07
12.65	2.79	0.78	0.30	15.25	3.31	1.11	0.07
12.70	2.81	0.79	0.30	15.30	3.32	1.12	0.07
12.75	2.83	0.80	0.28	15.35	3.32	1.12	0.07
12.80	2.85	0.82	0.28	15.40	3.33	1.12	0.07
12.85	2.87	0.83	0.26	15.45	3.34	1.13	0.07
12.90	2.89	0.84	0.25	15.50	3.34	1.13	0.07
12.95	2.91	0.85	0.23	15.55	3.35	1.13	0.07

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	1.14	0.07	18.20	3.56	1.28	0.05
15.65	3.36	1.14	0.07	18.25	3.56	1.28	0.04
15.70	3.36	1.14	0.07	18.30	3.56	1.28	0.04
15.75	3.36	1.15	0.07	18.35	3.57	1.29	0.04
15.80	3.37	1.15	0.07	18.40	3.57	1.29	0.04
15.85	3.37	1.15	0.07	18.45	3.57	1.29	0.04
15.90	3.38	1.16	0.07	18.50	3.58	1.29	0.04
15.95	3.38	1.16	0.07	18.55	3.58	1.29	0.04
16.00	3.39	1.16	0.07	18.60	3.58	1.30	0.04
16.05	3.39	1.17	0.07	18.65	3.58	1.30	0.04
16.10	3.40	1.17	0.07	18.70	3.59	1.30	0.04
16.15	3.40	1.17	0.07	18.75	3.59	1.30	0.04
16.20	3.41	1.18	0.07	18.80	3.59	1.30	0.04
16.25	3.41	1.18	0.06	18.85	3.60	1.31	0.04
16.30	3.42	1.18	0.06	18.90	3.60	1.31	0.04
16.35	3.42	1.19	0.06	18.95	3.60	1.31	0.04
16.40	3.42	1.19	0.06	19.00	3.61	1.31	0.04
16.45	3.43	1.19	0.06	19.05	3.61	1.32	0.04
16.50	3.43	1.19	0.06	19.10	3.61	1.32	0.04
16.55	3.44	1.20	0.06	19.15	3.61	1.32	0.04
16.60	3.44	1.20	0.06	19.20	3.62	1.32	0.04
16.65	3.45	1.20	0.06	19.25	3.62	1.32	0.04
16.70	3.45	1.21	0.06	19.30	3.62	1.33	0.04
16.75	3.45	1.21	0.06	19.35	3.63	1.33	0.04
16.80	3.46	1.21	0.06	19.40	3.63	1.33	0.04
16.85	3.46	1.21	0.06	19.45	3.63	1.33	0.04
16.90	3.47	1.22	0.06	19.50	3.63	1.33	0.04
16.95	3.47	1.22	0.06	19.55	3.64	1.34	0.04
17.00	3.47	1.22	0.06	19.60	3.64	1.34	0.04
17.05	3.48	1.22	0.06	19.65	3.64	1.34	0.04
17.10	3.48	1.23	0.06	19.70	3.65	1.34	0.04
17.15	3.49	1.23	0.06	19.75	3.65	1.34	0.04
17.20	3.49	1.23	0.05	19.80	3.65	1.34	0.04
17.25	3.49	1.24	0.05	19.85	3.65	1.35	0.04
17.30	3.50	1.24	0.05	19.90	3.66	1.35	0.04
17.35	3.50	1.24	0.05	19.95	3.66	1.35	0.04
17.40	3.50	1.24	0.05	20.00	3.66	1.35	0.04
17.45	3.51	1.25	0.05	20.05	3.66	1.35	0.04
17.50	3.51	1.25	0.05	20.10	3.67	1.36	0.04
17.55	3.52	1.25	0.05	20.15	3.67	1.36	0.04
17.60	3.52	1.25	0.05	20.20	3.67	1.36	0.04
17.65	3.52	1.26	0.05	20.25	3.68	1.36	0.04
17.70	3.53	1.26	0.05	20.30	3.68	1.36	0.04
17.75	3.53	1.26	0.05	20.35	3.68	1.37	0.04
17.80	3.53	1.26	0.05	20.40	3.68	1.37	0.04
17.85	3.54	1.26	0.05	20.45	3.69	1.37	0.04
17.90	3.54	1.27	0.05	20.50	3.69	1.37	0.04
17.95	3.54	1.27	0.05	20.55	3.69	1.37	0.04
18.00	3.54	1.27	0.05	20.60	3.69	1.38	0.04
18.05	3.55	1.27	0.05	20.65	3.70	1.38	0.04
18.10	3.55	1.28	0.05	20.70	3.70	1.38	0.04
18.15	3.55	1.28	0.05	20.75	3.70	1.38	0.04

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	1.38	0.04	23.40	3.82	1.47	0.03
20.85	3.71	1.38	0.04	23.45	3.83	1.47	0.03
20.90	3.71	1.39	0.04	23.50	3.83	1.47	0.03
20.95	3.71	1.39	0.04	23.55	3.83	1.47	0.03
21.00	3.71	1.39	0.04	23.60	3.83	1.47	0.03
21.05	3.72	1.39	0.04	23.65	3.84	1.48	0.03
21.10	3.72	1.39	0.04	23.70	3.84	1.48	0.03
21.15	3.72	1.40	0.04	23.75	3.84	1.48	0.03
21.20	3.72	1.40	0.04	23.80	3.84	1.48	0.03
21.25	3.73	1.40	0.04	23.85	3.84	1.48	0.03
21.30	3.73	1.40	0.04	23.90	3.85	1.48	0.03
21.35	3.73	1.40	0.04	23.95	3.85	1.49	0.04
21.40	3.73	1.40	0.04	24.00	**3.85**	**1.49**	0.04
21.45	3.74	1.41	0.04	24.05	3.85	1.49	0.01
21.50	3.74	1.41	0.04	24.10	3.85	1.49	0.00
21.55	3.74	1.41	0.04	24.15	3.85	1.49	0.00
21.60	3.74	1.41	0.04	24.20	3.85	1.49	0.00
21.65	3.75	1.41	0.04	24.25	3.85	1.49	0.00
21.70	3.75	1.41	0.04	24.30	3.85	1.49	0.00
21.75	3.75	1.42	0.04	24.35	3.85	1.49	0.00
21.80	3.75	1.42	0.04	24.40	3.85	1.49	0.00
21.85	3.76	1.42	0.04	24.45	3.85	1.49	0.00
21.90	3.76	1.42	0.04	24.50	3.85	1.49	0.00
21.95	3.76	1.42	0.04	24.55	3.85	1.49	0.00
22.00	3.76	1.42	0.04	24.60	3.85	1.49	0.00
22.05	3.77	1.43	0.04	24.65	3.85	1.49	0.00
22.10	3.77	1.43	0.03	24.70	3.85	1.49	0.00
22.15	3.77	1.43	0.03	24.75	3.85	1.49	0.00
22.20	3.77	1.43	0.03	24.80	3.85	1.49	0.00
22.25	3.77	1.43	0.03	24.85	3.85	1.49	0.00
22.30	3.78	1.43	0.03	24.90	3.85	1.49	0.00
22.35	3.78	1.44	0.03	24.95	3.85	1.49	0.00
22.40	3.78	1.44	0.03	25.00	3.85	1.49	0.00
22.45	3.78	1.44	0.03	25.05	3.85	1.49	0.00
22.50	3.79	1.44	0.03	25.10	3.85	1.49	0.00
22.55	3.79	1.44	0.03	25.15	3.85	1.49	0.00
22.60	3.79	1.44	0.03	25.20	3.85	1.49	0.00
22.65	3.79	1.45	0.03	25.25	3.85	1.49	0.00
22.70	3.79	1.45	0.03	25.30	3.85	1.49	0.00
22.75	3.80	1.45	0.03	25.35	3.85	1.49	0.00
22.80	3.80	1.45	0.03	25.40	3.85	1.49	0.00
22.85	3.80	1.45	0.03	25.45	3.85	1.49	0.00
22.90	3.80	1.45	0.03	25.50	3.85	1.49	0.00
22.95	3.81	1.46	0.03	25.55	3.85	1.49	0.00
23.00	3.81	1.46	0.03	25.60	3.85	1.49	0.00
23.05	3.81	1.46	0.03	25.65	3.85	1.49	0.00
23.10	3.81	1.46	0.03	25.70	3.85	1.49	0.00
23.15	3.81	1.46	0.03	25.75	3.85	1.49	0.00
23.20	3.82	1.46	0.03	25.80	3.85	1.49	0.00
23.25	3.82	1.46	0.03	25.85	3.85	1.49	0.00
23.30	3.82	1.47	0.03	25.90	3.85	1.49	0.00
23.35	3.82	1.47	0.03	25.95	3.85	1.49	0.00

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.49	0.00	28.60	3.85	1.49	0.00
26.05	3.85	1.49	0.00	28.65	3.85	1.49	0.00
26.10	3.85	1.49	0.00	28.70	3.85	1.49	0.00
26.15	3.85	1.49	0.00	28.75	3.85	1.49	0.00
26.20	3.85	1.49	0.00	28.80	3.85	1.49	0.00
26.25	3.85	1.49	0.00	28.85	3.85	1.49	0.00
26.30	3.85	1.49	0.00	28.90	3.85	1.49	0.00
26.35	3.85	1.49	0.00	28.95	3.85	1.49	0.00
26.40	3.85	1.49	0.00	29.00	3.85	1.49	0.00
26.45	3.85	1.49	0.00	29.05	3.85	1.49	0.00
26.50	3.85	1.49	0.00	29.10	3.85	1.49	0.00
26.55	3.85	1.49	0.00	29.15	3.85	1.49	0.00
26.60	3.85	1.49	0.00	29.20	3.85	1.49	0.00
26.65	3.85	1.49	0.00	29.25	3.85	1.49	0.00
26.70	3.85	1.49	0.00	29.30	3.85	1.49	0.00
26.75	3.85	1.49	0.00	29.35	3.85	1.49	0.00
26.80	3.85	1.49	0.00	29.40	3.85	1.49	0.00
26.85	3.85	1.49	0.00	29.45	3.85	1.49	0.00
26.90	3.85	1.49	0.00	29.50	3.85	1.49	0.00
26.95	3.85	1.49	0.00	29.55	3.85	1.49	0.00
27.00	3.85	1.49	0.00	29.60	3.85	1.49	0.00
27.05	3.85	1.49	0.00	29.65	3.85	1.49	0.00
27.10	3.85	1.49	0.00	29.70	3.85	1.49	0.00
27.15	3.85	1.49	0.00	29.75	3.85	1.49	0.00
27.20	3.85	1.49	0.00	29.80	3.85	1.49	0.00
27.25	3.85	1.49	0.00	29.85	3.85	1.49	0.00
27.30	3.85	1.49	0.00	29.90	3.85	1.49	0.00
27.35	3.85	1.49	0.00	29.95	3.85	1.49	0.00
27.40	3.85	1.49	0.00	30.00	3.85	1.49	0.00
27.45	3.85	1.49	0.00	30.05	3.85	1.49	0.00
27.50	3.85	1.49	0.00	30.10	3.85	1.49	0.00
27.55	3.85	1.49	0.00	30.15	3.85	1.49	0.00
27.60	3.85	1.49	0.00	30.20	3.85	1.49	0.00
27.65	3.85	1.49	0.00	30.25	3.85	1.49	0.00
27.70	3.85	1.49	0.00	30.30	3.85	1.49	0.00
27.75	3.85	1.49	0.00	30.35	3.85	1.49	0.00
27.80	3.85	1.49	0.00	30.40	3.85	1.49	0.00
27.85	3.85	1.49	0.00	30.45	3.85	1.49	0.00
27.90	3.85	1.49	0.00	30.50	3.85	1.49	0.00
27.95	3.85	1.49	0.00	30.55	3.85	1.49	0.00
28.00	3.85	1.49	0.00	30.60	3.85	1.49	0.00
28.05	3.85	1.49	0.00	30.65	3.85	1.49	0.00
28.10	3.85	1.49	0.00	30.70	3.85	1.49	0.00
28.15	3.85	1.49	0.00	30.75	3.85	1.49	0.00
28.20	3.85	1.49	0.00	30.80	3.85	1.49	0.00
28.25	3.85	1.49	0.00	30.85	3.85	1.49	0.00
28.30	3.85	1.49	0.00	30.90	3.85	1.49	0.00
28.35	3.85	1.49	0.00	30.95	3.85	1.49	0.00
28.40	3.85	1.49	0.00	31.00	3.85	1.49	0.00
28.45	3.85	1.49	0.00	31.05	3.85	1.49	0.00
28.50	3.85	1.49	0.00	31.10	3.85	1.49	0.00
28.55	3.85	1.49	0.00	31.15	3.85	1.49	0.00

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.49	0.00	33.80	3.85	1.49	0.00
31.25	3.85	1.49	0.00	33.85	3.85	1.49	0.00
31.30	3.85	1.49	0.00	33.90	3.85	1.49	0.00
31.35	3.85	1.49	0.00	33.95	3.85	1.49	0.00
31.40	3.85	1.49	0.00	34.00	3.85	1.49	0.00
31.45	3.85	1.49	0.00	34.05	3.85	1.49	0.00
31.50	3.85	1.49	0.00	34.10	3.85	1.49	0.00
31.55	3.85	1.49	0.00	34.15	3.85	1.49	0.00
31.60	3.85	1.49	0.00	34.20	3.85	1.49	0.00
31.65	3.85	1.49	0.00	34.25	3.85	1.49	0.00
31.70	3.85	1.49	0.00	34.30	3.85	1.49	0.00
31.75	3.85	1.49	0.00	34.35	3.85	1.49	0.00
31.80	3.85	1.49	0.00	34.40	3.85	1.49	0.00
31.85	3.85	1.49	0.00	34.45	3.85	1.49	0.00
31.90	3.85	1.49	0.00	34.50	3.85	1.49	0.00
31.95	3.85	1.49	0.00	34.55	3.85	1.49	0.00
32.00	3.85	1.49	0.00	34.60	3.85	1.49	0.00
32.05	3.85	1.49	0.00	34.65	3.85	1.49	0.00
32.10	3.85	1.49	0.00	34.70	3.85	1.49	0.00
32.15	3.85	1.49	0.00	34.75	3.85	1.49	0.00
32.20	3.85	1.49	0.00	34.80	3.85	1.49	0.00
32.25	3.85	1.49	0.00	34.85	3.85	1.49	0.00
32.30	3.85	1.49	0.00	34.90	3.85	1.49	0.00
32.35	3.85	1.49	0.00	34.95	3.85	1.49	0.00
32.40	3.85	1.49	0.00	35.00	3.85	1.49	0.00
32.45	3.85	1.49	0.00	35.05	3.85	1.49	0.00
32.50	3.85	1.49	0.00	35.10	3.85	1.49	0.00
32.55	3.85	1.49	0.00	35.15	3.85	1.49	0.00
32.60	3.85	1.49	0.00	35.20	3.85	1.49	0.00
32.65	3.85	1.49	0.00	35.25	3.85	1.49	0.00
32.70	3.85	1.49	0.00	35.30	3.85	1.49	0.00
32.75	3.85	1.49	0.00	35.35	3.85	1.49	0.00
32.80	3.85	1.49	0.00	35.40	3.85	1.49	0.00
32.85	3.85	1.49	0.00	35.45	3.85	1.49	0.00
32.90	3.85	1.49	0.00	35.50	3.85	1.49	0.00
32.95	3.85	1.49	0.00	35.55	3.85	1.49	0.00
33.00	3.85	1.49	0.00	35.60	3.85	1.49	0.00
33.05	3.85	1.49	0.00	35.65	3.85	1.49	0.00
33.10	3.85	1.49	0.00	35.70	3.85	1.49	0.00
33.15	3.85	1.49	0.00	35.75	3.85	1.49	0.00
33.20	3.85	1.49	0.00	35.80	3.85	1.49	0.00
33.25	3.85	1.49	0.00	35.85	3.85	1.49	0.00
33.30	3.85	1.49	0.00	35.90	3.85	1.49	0.00
33.35	3.85	1.49	0.00	35.95	3.85	1.49	0.00
33.40	3.85	1.49	0.00	36.00	3.85	1.49	0.00
33.45	3.85	1.49	0.00	36.05	3.85	1.49	0.00
33.50	3.85	1.49	0.00	36.10	3.85	1.49	0.00
33.55	3.85	1.49	0.00	36.15	3.85	1.49	0.00
33.60	3.85	1.49	0.00	36.20	3.85	1.49	0.00
33.65	3.85	1.49	0.00	36.25	3.85	1.49	0.00
33.70	3.85	1.49	0.00	36.30	3.85	1.49	0.00
33.75	3.85	1.49	0.00	36.35	3.85	1.49	0.00

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.49	0.00
36.45	3.85	1.49	0.00
36.50	3.85	1.49	0.00
36.55	3.85	1.49	0.00
36.60	3.85	1.49	0.00
36.65	3.85	1.49	0.00
36.70	3.85	1.49	0.00
36.75	3.85	1.49	0.00
36.80	3.85	1.49	0.00
36.85	3.85	1.49	0.00
36.90	3.85	1.49	0.00
36.95	3.85	1.49	0.00
37.00	3.85	1.49	0.00
37.05	3.85	1.49	0.00
37.10	3.85	1.49	0.00
37.15	3.85	1.49	0.00
37.20	3.85	1.49	0.00
37.25	3.85	1.49	0.00
37.30	3.85	1.49	0.00
37.35	3.85	1.49	0.00
37.40	3.85	1.49	0.00
37.45	3.85	1.49	0.00
37.50	3.85	1.49	0.00
37.55	3.85	1.49	0.00
37.60	3.85	1.49	0.00
37.65	3.85	1.49	0.00
37.70	3.85	1.49	0.00
37.75	3.85	1.49	0.00
37.80	3.85	1.49	0.00
37.85	3.85	1.49	0.00
37.90	3.85	1.49	0.00
37.95	3.85	1.49	0.00
38.00	3.85	1.49	0.00
38.05	3.85	1.49	0.00
38.10	3.85	1.49	0.00
38.15	3.85	1.49	0.00
38.20	3.85	1.49	0.00
38.25	3.85	1.49	0.00
38.30	3.85	1.49	0.00
38.35	3.85	1.49	0.00
38.40	3.85	1.49	0.00
38.45	3.85	1.49	0.00
38.50	3.85	1.49	0.00
38.55	3.85	1.49	0.00
38.60	3.85	1.49	0.00
38.65	3.85	1.49	0.00
38.70	3.85	1.49	0.00
38.75	3.85	1.49	0.00
38.80	3.85	1.49	0.00
38.85	3.85	1.49	0.00
38.90	3.85	1.49	0.00
38.95	3.85	1.49	0.00
39.00	3.85	1.49	0.00
39.05	3.85	1.49	0.00
39.10	3.85	1.49	0.00
39.15	3.85	1.49	0.00
39.20	3.85	1.49	0.00
39.25	3.85	1.49	0.00
39.30	3.85	1.49	0.00
39.35	3.85	1.49	0.00
39.40	3.85	1.49	0.00
39.45	3.85	1.49	0.00
39.50	3.85	1.49	0.00
39.55	3.85	1.49	0.00
39.60	3.85	1.49	0.00
39.65	3.85	1.49	0.00
39.70	3.85	1.49	0.00
39.75	3.85	1.49	0.00
39.80	3.85	1.49	0.00
39.85	3.85	1.49	0.00
39.90	3.85	1.49	0.00
39.95	3.85	1.49	0.00
40.00	3.85	1.49	0.00

Summary for Subcatchment 57l: PDA-57 (impervious)

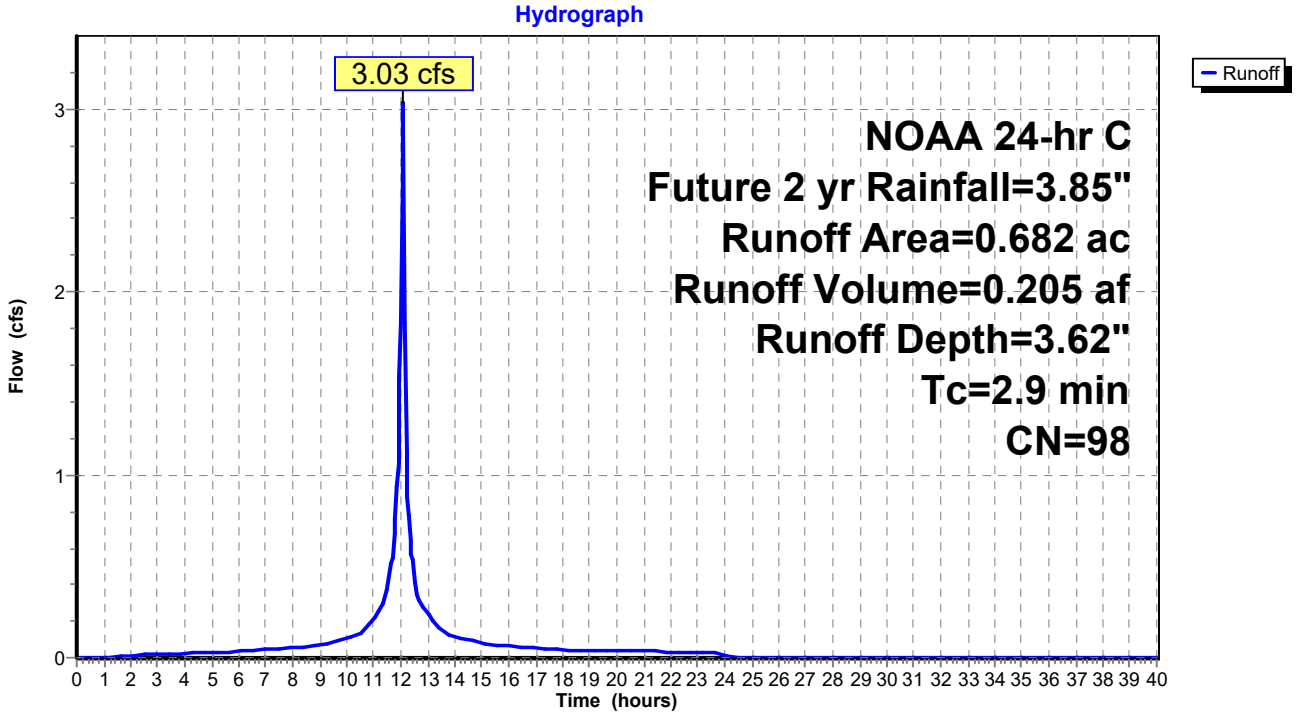
Runoff = 3.03 cfs @ 12.09 hrs, Volume= 0.205 af, Depth= 3.62"
Routed to Pond B-57 : Basin #57

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

	Area (ac)	CN	Description
*	0.268	98	Pavement, HSG C
*	0.378	98	Roof, HSG C
*	0.036	98	Concrete, HSG C
	0.682	98	Weighted Average
	0.682		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.9					**Direct Entry,**

Subcatchment 57l: PDA-57 (impervious)



Hydrograph for Subcatchment 57I: PDA-57 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.02	0.02
0.05	0.00	0.00	0.00	2.65	0.12	0.02	0.02
0.10	0.00	0.00	0.00	2.70	0.12	0.02	0.02
0.15	0.01	0.00	0.00	2.75	0.12	0.02	0.02
0.20	0.01	0.00	0.00	2.80	0.13	0.02	0.02
0.25	0.01	0.00	0.00	2.85	0.13	0.03	0.02
0.30	0.01	0.00	0.00	2.90	0.13	0.03	0.02
0.35	0.01	0.00	0.00	2.95	0.13	0.03	0.02
0.40	0.02	0.00	0.00	3.00	0.14	0.03	0.02
0.45	0.02	0.00	0.00	3.05	0.14	0.03	0.02
0.50	0.02	0.00	0.00	3.10	0.14	0.03	0.02
0.55	0.02	0.00	0.00	3.15	0.14	0.03	0.02
0.60	0.03	0.00	0.00	3.20	0.15	0.04	0.02
0.65	0.03	0.00	0.00	3.25	0.15	0.04	0.02
0.70	0.03	0.00	0.00	3.30	0.15	0.04	0.02
0.75	0.03	0.00	0.00	3.35	0.15	0.04	0.02
0.80	0.03	0.00	0.00	3.40	0.16	0.04	0.02
0.85	0.04	0.00	0.00	3.45	0.16	0.04	0.02
0.90	0.04	0.00	0.00	3.50	0.16	0.04	0.02
0.95	0.04	0.00	0.00	3.55	0.16	0.05	0.02
1.00	0.04	0.00	0.00	3.60	0.17	0.05	0.02
1.05	0.04	0.00	0.00	3.65	0.17	0.05	0.02
1.10	0.05	0.00	0.00	3.70	0.17	0.05	0.02
1.15	0.05	0.00	0.00	3.75	0.17	0.05	0.02
1.20	0.05	0.00	0.00	3.80	0.18	0.05	0.02
1.25	0.05	0.00	0.00	3.85	0.18	0.06	0.02
1.30	0.06	0.00	0.00	3.90	0.18	0.06	0.02
1.35	0.06	0.00	0.00	3.95	0.19	0.06	0.02
1.40	0.06	0.00	0.00	4.00	0.19	0.06	0.02
1.45	0.06	0.00	0.01	4.05	0.19	0.06	0.02
1.50	0.06	0.00	0.01	4.10	0.19	0.07	0.03
1.55	0.07	0.00	0.01	4.15	0.20	0.07	0.03
1.60	0.07	0.00	0.01	4.20	0.20	0.07	0.03
1.65	0.07	0.00	0.01	4.25	0.20	0.07	0.03
1.70	0.07	0.00	0.01	4.30	0.20	0.07	0.03
1.75	0.08	0.01	0.01	4.35	0.21	0.08	0.03
1.80	0.08	0.01	0.01	4.40	0.21	0.08	0.03
1.85	0.08	0.01	0.01	4.45	0.21	0.08	0.03
1.90	0.08	0.01	0.01	4.50	0.22	0.08	0.03
1.95	0.08	0.01	0.01	4.55	0.22	0.08	0.03
2.00	0.09	0.01	0.01	4.60	0.22	0.09	0.03
2.05	0.09	0.01	0.01	4.65	0.22	0.09	0.03
2.10	0.09	0.01	0.01	4.70	0.23	0.09	0.03
2.15	0.09	0.01	0.01	4.75	0.23	0.09	0.03
2.20	0.10	0.01	0.01	4.80	0.23	0.09	0.03
2.25	0.10	0.01	0.01	4.85	0.24	0.10	0.03
2.30	0.10	0.01	0.01	4.90	0.24	0.10	0.03
2.35	0.10	0.01	0.01	4.95	0.24	0.10	0.03
2.40	0.11	0.02	0.01	5.00	0.24	0.10	0.03
2.45	0.11	0.02	0.01	5.05	0.25	0.10	0.03
2.50	0.11	0.02	0.01	5.10	0.25	0.11	0.03
2.55	0.11	0.02	0.01	5.15	0.25	0.11	0.03

Hydrograph for Subcatchment 57l: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.11	0.03	7.80	0.44	0.27	0.05
5.25	0.26	0.11	0.03	7.85	0.45	0.27	0.06
5.30	0.26	0.12	0.03	7.90	0.45	0.27	0.06
5.35	0.27	0.12	0.03	7.95	0.46	0.28	0.06
5.40	0.27	0.12	0.03	8.00	0.46	0.28	0.06
5.45	0.27	0.12	0.03	8.05	0.47	0.29	0.06
5.50	0.27	0.12	0.03	8.10	0.47	0.29	0.06
5.55	0.28	0.13	0.03	8.15	0.48	0.30	0.06
5.60	0.28	0.13	0.03	8.20	0.48	0.30	0.06
5.65	0.28	0.13	0.03	8.25	0.49	0.30	0.06
5.70	0.29	0.13	0.03	8.30	0.49	0.31	0.06
5.75	0.29	0.14	0.03	8.35	0.49	0.31	0.06
5.80	0.29	0.14	0.03	8.40	0.50	0.32	0.06
5.85	0.30	0.14	0.03	8.45	0.50	0.32	0.06
5.90	0.30	0.14	0.03	8.50	0.51	0.33	0.06
5.95	0.30	0.15	0.03	8.55	0.51	0.33	0.06
6.00	0.31	0.15	0.03	8.60	0.52	0.34	0.06
6.05	0.31	0.15	0.04	8.65	0.53	0.34	0.06
6.10	0.31	0.15	0.04	8.70	0.53	0.35	0.06
6.15	0.31	0.16	0.04	8.75	0.54	0.35	0.07
6.20	0.32	0.16	0.04	8.80	0.54	0.36	0.07
6.25	0.32	0.16	0.04	8.85	0.55	0.36	0.07
6.30	0.32	0.17	0.04	8.90	0.55	0.36	0.07
6.35	0.33	0.17	0.04	8.95	0.56	0.37	0.07
6.40	0.33	0.17	0.04	9.00	0.56	0.37	0.07
6.45	0.33	0.17	0.04	9.05	0.57	0.38	0.07
6.50	0.34	0.18	0.04	9.10	0.57	0.39	0.07
6.55	0.34	0.18	0.04	9.15	0.58	0.39	0.07
6.60	0.35	0.18	0.04	9.20	0.59	0.40	0.08
6.65	0.35	0.19	0.04	9.25	0.59	0.40	0.08
6.70	0.35	0.19	0.04	9.30	0.60	0.41	0.08
6.75	0.36	0.19	0.04	9.35	0.60	0.41	0.08
6.80	0.36	0.19	0.04	9.40	0.61	0.42	0.08
6.85	0.36	0.20	0.04	9.45	0.62	0.43	0.09
6.90	0.37	0.20	0.04	9.50	0.62	0.43	0.09
6.95	0.37	0.20	0.05	9.55	0.63	0.44	0.09
7.00	0.38	0.21	0.05	9.60	0.64	0.45	0.09
7.05	0.38	0.21	0.05	9.65	0.65	0.45	0.09
7.10	0.38	0.21	0.05	9.70	0.65	0.46	0.10
7.15	0.39	0.22	0.05	9.75	0.66	0.47	0.10
7.20	0.39	0.22	0.05	9.80	0.67	0.47	0.10
7.25	0.40	0.23	0.05	9.85	0.68	0.48	0.10
7.30	0.40	0.23	0.05	9.90	0.69	0.49	0.10
7.35	0.40	0.23	0.05	9.95	0.69	0.50	0.11
7.40	0.41	0.24	0.05	10.00	0.70	0.51	0.11
7.45	0.41	0.24	0.05	10.05	0.71	0.51	0.11
7.50	0.42	0.24	0.05	10.10	0.72	0.52	0.11
7.55	0.42	0.25	0.05	10.15	0.73	0.53	0.11
7.60	0.43	0.25	0.05	10.20	0.74	0.54	0.12
7.65	0.43	0.25	0.05	10.25	0.75	0.55	0.12
7.70	0.43	0.26	0.05	10.30	0.76	0.56	0.12
7.75	0.44	0.26	0.05	10.35	0.76	0.56	0.12

Hydrograph for Subcatchment 57I: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.57	0.12	13.00	2.93	2.69	0.24
10.45	0.78	0.58	0.13	13.05	2.94	2.71	0.22
10.50	0.79	0.59	0.13	13.10	2.96	2.73	0.21
10.55	0.80	0.60	0.14	13.15	2.97	2.74	0.20
10.60	0.82	0.61	0.14	13.20	2.98	2.75	0.19
10.65	0.83	0.62	0.15	13.25	3.00	2.77	0.18
10.70	0.84	0.64	0.16	13.30	3.01	2.78	0.18
10.75	0.85	0.65	0.17	13.35	3.02	2.79	0.17
10.80	0.87	0.66	0.17	13.40	3.03	2.80	0.16
10.85	0.88	0.67	0.18	13.45	3.05	2.81	0.15
10.90	0.89	0.69	0.19	13.50	3.06	2.82	0.15
10.95	0.91	0.70	0.20	13.55	3.07	2.83	0.14
11.00	0.92	0.72	0.20	13.60	3.08	2.84	0.13
11.05	0.94	0.73	0.22	13.65	3.09	2.85	0.13
11.10	0.96	0.75	0.23	13.70	3.09	2.86	0.13
11.15	0.98	0.77	0.25	13.75	3.10	2.87	0.13
11.20	1.00	0.79	0.26	13.80	3.11	2.88	0.13
11.25	1.02	0.81	0.28	13.85	3.12	2.89	0.12
11.30	1.04	0.83	0.29	13.90	3.13	2.90	0.12
11.35	1.06	0.85	0.30	13.95	3.14	2.91	0.12
11.40	1.09	0.88	0.31	14.00	3.15	2.92	0.12
11.45	1.11	0.90	0.33	14.05	3.16	2.92	0.11
11.50	1.14	0.92	0.34	14.10	3.16	2.93	0.11
11.55	1.18	0.96	0.45	14.15	3.17	2.94	0.11
11.60	1.22	1.00	0.52	14.20	3.18	2.95	0.11
11.65	1.26	1.04	0.54	14.25	3.19	2.96	0.11
11.70	1.30	1.08	0.55	14.30	3.20	2.96	0.11
11.75	1.35	1.14	0.68	14.35	3.20	2.97	0.10
11.80	1.41	1.19	0.76	14.40	3.21	2.98	0.10
11.85	1.49	1.27	0.94	14.45	3.22	2.99	0.10
11.90	1.57	1.34	1.06	14.50	3.23	2.99	0.10
11.95	1.70	1.48	1.53	14.55	3.23	3.00	0.10
12.00	1.83	1.61	1.83	14.60	3.24	3.01	0.09
12.05	2.06	1.83	2.59	14.65	3.25	3.01	0.09
12.10	2.28	2.06	**2.99**	14.70	3.25	3.02	0.09
12.15	2.36	2.13	1.83	14.75	3.26	3.03	0.09
12.20	2.44	2.21	1.12	14.80	3.26	3.03	0.09
12.25	2.50	2.27	0.88	14.85	3.27	3.04	0.08
12.30	2.55	2.32	0.77	14.90	3.28	3.04	0.08
12.35	2.59	2.36	0.64	14.95	3.28	3.05	0.08
12.40	2.63	2.40	0.57	15.00	3.29	3.05	0.08
12.45	2.67	2.44	0.54	15.05	3.29	3.06	0.08
12.50	2.71	2.48	0.53	15.10	3.30	3.07	0.07
12.55	2.74	2.51	0.42	15.15	3.30	3.07	0.07
12.60	2.76	2.53	0.35	15.20	3.31	3.08	0.07
12.65	2.79	2.56	0.33	15.25	3.31	3.08	0.07
12.70	2.81	2.58	0.32	15.30	3.32	3.09	0.07
12.75	2.83	2.60	0.30	15.35	3.32	3.09	0.07
12.80	2.85	2.62	0.29	15.40	3.33	3.10	0.07
12.85	2.87	2.64	0.28	15.45	3.34	3.10	0.07
12.90	2.89	2.66	0.27	15.50	3.34	3.11	0.07
12.95	2.91	2.68	0.25	15.55	3.35	3.11	0.07

Hydrograph for Subcatchment 57l: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	3.12	0.07	18.20	3.56	3.32	0.04
15.65	3.36	3.12	0.07	18.25	3.56	3.33	0.04
15.70	3.36	3.13	0.07	18.30	3.56	3.33	0.04
15.75	3.36	3.13	0.07	18.35	3.57	3.33	0.04
15.80	3.37	3.14	0.07	18.40	3.57	3.34	0.04
15.85	3.37	3.14	0.07	18.45	3.57	3.34	0.04
15.90	3.38	3.15	0.07	18.50	3.58	3.34	0.04
15.95	3.38	3.15	0.06	18.55	3.58	3.34	0.04
16.00	3.39	3.16	0.06	18.60	3.58	3.35	0.04
16.05	3.39	3.16	0.06	18.65	3.58	3.35	0.04
16.10	3.40	3.16	0.06	18.70	3.59	3.35	0.04
16.15	3.40	3.17	0.06	18.75	3.59	3.36	0.04
16.20	3.41	3.17	0.06	18.80	3.59	3.36	0.04
16.25	3.41	3.18	0.06	18.85	3.60	3.36	0.04
16.30	3.42	3.18	0.06	18.90	3.60	3.37	0.04
16.35	3.42	3.19	0.06	18.95	3.60	3.37	0.04
16.40	3.42	3.19	0.06	19.00	3.61	3.37	0.04
16.45	3.43	3.20	0.06	19.05	3.61	3.37	0.04
16.50	3.43	3.20	0.06	19.10	3.61	3.38	0.04
16.55	3.44	3.20	0.06	19.15	3.61	3.38	0.04
16.60	3.44	3.21	0.06	19.20	3.62	3.38	0.04
16.65	3.45	3.21	0.06	19.25	3.62	3.39	0.04
16.70	3.45	3.22	0.06	19.30	3.62	3.39	0.04
16.75	3.45	3.22	0.06	19.35	3.63	3.39	0.04
16.80	3.46	3.23	0.06	19.40	3.63	3.39	0.04
16.85	3.46	3.23	0.06	19.45	3.63	3.40	0.04
16.90	3.47	3.23	0.06	19.50	3.63	3.40	0.04
16.95	3.47	3.24	0.05	19.55	3.64	3.40	0.04
17.00	3.47	3.24	0.05	19.60	3.64	3.41	0.04
17.05	3.48	3.24	0.05	19.65	3.64	3.41	0.04
17.10	3.48	3.25	0.05	19.70	3.65	3.41	0.04
17.15	3.49	3.25	0.05	19.75	3.65	3.41	0.04
17.20	3.49	3.26	0.05	19.80	3.65	3.42	0.04
17.25	3.49	3.26	0.05	19.85	3.65	3.42	0.04
17.30	3.50	3.26	0.05	19.90	3.66	3.42	0.04
17.35	3.50	3.27	0.05	19.95	3.66	3.42	0.04
17.40	3.50	3.27	0.05	20.00	3.66	3.43	0.04
17.45	3.51	3.27	0.05	20.05	3.66	3.43	0.04
17.50	3.51	3.28	0.05	20.10	3.67	3.43	0.04
17.55	3.52	3.28	0.05	20.15	3.67	3.44	0.04
17.60	3.52	3.28	0.05	20.20	3.67	3.44	0.04
17.65	3.52	3.29	0.05	20.25	3.68	3.44	0.04
17.70	3.53	3.29	0.05	20.30	3.68	3.44	0.04
17.75	3.53	3.30	0.05	20.35	3.68	3.45	0.04
17.80	3.53	3.30	0.05	20.40	3.68	3.45	0.04
17.85	3.54	3.30	0.05	20.45	3.69	3.45	0.04
17.90	3.54	3.30	0.04	20.50	3.69	3.45	0.04
17.95	3.54	3.31	0.04	20.55	3.69	3.46	0.04
18.00	3.54	3.31	0.04	20.60	3.69	3.46	0.04
18.05	3.55	3.31	0.04	20.65	3.70	3.46	0.04
18.10	3.55	3.32	0.04	20.70	3.70	3.46	0.04
18.15	3.55	3.32	0.04	20.75	3.70	3.47	0.04

Hydrograph for Subcatchment 57I: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	3.47	0.04	23.40	3.82	3.59	0.03
20.85	3.71	3.47	0.04	23.45	3.83	3.59	0.03
20.90	3.71	3.47	0.04	23.50	3.83	3.59	0.03
20.95	3.71	3.48	0.03	23.55	3.83	3.60	0.03
21.00	3.71	3.48	0.03	23.60	3.83	3.60	0.03
21.05	3.72	3.48	0.03	23.65	3.84	3.60	0.03
21.10	3.72	3.49	0.03	23.70	3.84	3.60	0.03
21.15	3.72	3.49	0.03	23.75	3.84	3.60	0.03
21.20	3.72	3.49	0.03	23.80	3.84	3.61	0.03
21.25	3.73	3.49	0.03	23.85	3.84	3.61	0.03
21.30	3.73	3.50	0.03	23.90	3.85	3.61	0.03
21.35	3.73	3.50	0.03	23.95	3.85	3.61	0.03
21.40	3.73	3.50	0.03	24.00	**3.85**	**3.62**	0.03
21.45	3.74	3.50	0.03	24.05	3.85	3.62	0.01
21.50	3.74	3.50	0.03	24.10	3.85	3.62	0.00
21.55	3.74	3.51	0.03	24.15	3.85	3.62	0.00
21.60	3.74	3.51	0.03	24.20	3.85	3.62	0.00
21.65	3.75	3.51	0.03	24.25	3.85	3.62	0.00
21.70	3.75	3.51	0.03	24.30	3.85	3.62	0.00
21.75	3.75	3.52	0.03	24.35	3.85	3.62	0.00
21.80	3.75	3.52	0.03	24.40	3.85	3.62	0.00
21.85	3.76	3.52	0.03	24.45	3.85	3.62	0.00
21.90	3.76	3.52	0.03	24.50	3.85	3.62	0.00
21.95	3.76	3.53	0.03	24.55	3.85	3.62	0.00
22.00	3.76	3.53	0.03	24.60	3.85	3.62	0.00
22.05	3.77	3.53	0.03	24.65	3.85	3.62	0.00
22.10	3.77	3.53	0.03	24.70	3.85	3.62	0.00
22.15	3.77	3.54	0.03	24.75	3.85	3.62	0.00
22.20	3.77	3.54	0.03	24.80	3.85	3.62	0.00
22.25	3.77	3.54	0.03	24.85	3.85	3.62	0.00
22.30	3.78	3.54	0.03	24.90	3.85	3.62	0.00
22.35	3.78	3.54	0.03	24.95	3.85	3.62	0.00
22.40	3.78	3.55	0.03	25.00	3.85	3.62	0.00
22.45	3.78	3.55	0.03	25.05	3.85	3.62	0.00
22.50	3.79	3.55	0.03	25.10	3.85	3.62	0.00
22.55	3.79	3.55	0.03	25.15	3.85	3.62	0.00
22.60	3.79	3.56	0.03	25.20	3.85	3.62	0.00
22.65	3.79	3.56	0.03	25.25	3.85	3.62	0.00
22.70	3.79	3.56	0.03	25.30	3.85	3.62	0.00
22.75	3.80	3.56	0.03	25.35	3.85	3.62	0.00
22.80	3.80	3.56	0.03	25.40	3.85	3.62	0.00
22.85	3.80	3.57	0.03	25.45	3.85	3.62	0.00
22.90	3.80	3.57	0.03	25.50	3.85	3.62	0.00
22.95	3.81	3.57	0.03	25.55	3.85	3.62	0.00
23.00	3.81	3.57	0.03	25.60	3.85	3.62	0.00
23.05	3.81	3.58	0.03	25.65	3.85	3.62	0.00
23.10	3.81	3.58	0.03	25.70	3.85	3.62	0.00
23.15	3.81	3.58	0.03	25.75	3.85	3.62	0.00
23.20	3.82	3.58	0.03	25.80	3.85	3.62	0.00
23.25	3.82	3.58	0.03	25.85	3.85	3.62	0.00
23.30	3.82	3.59	0.03	25.90	3.85	3.62	0.00
23.35	3.82	3.59	0.03	25.95	3.85	3.62	0.00

Hydrograph for Subcatchment 57l: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	3.62	0.00	28.60	3.85	3.62	0.00
26.05	3.85	3.62	0.00	28.65	3.85	3.62	0.00
26.10	3.85	3.62	0.00	28.70	3.85	3.62	0.00
26.15	3.85	3.62	0.00	28.75	3.85	3.62	0.00
26.20	3.85	3.62	0.00	28.80	3.85	3.62	0.00
26.25	3.85	3.62	0.00	28.85	3.85	3.62	0.00
26.30	3.85	3.62	0.00	28.90	3.85	3.62	0.00
26.35	3.85	3.62	0.00	28.95	3.85	3.62	0.00
26.40	3.85	3.62	0.00	29.00	3.85	3.62	0.00
26.45	3.85	3.62	0.00	29.05	3.85	3.62	0.00
26.50	3.85	3.62	0.00	29.10	3.85	3.62	0.00
26.55	3.85	3.62	0.00	29.15	3.85	3.62	0.00
26.60	3.85	3.62	0.00	29.20	3.85	3.62	0.00
26.65	3.85	3.62	0.00	29.25	3.85	3.62	0.00
26.70	3.85	3.62	0.00	29.30	3.85	3.62	0.00
26.75	3.85	3.62	0.00	29.35	3.85	3.62	0.00
26.80	3.85	3.62	0.00	29.40	3.85	3.62	0.00
26.85	3.85	3.62	0.00	29.45	3.85	3.62	0.00
26.90	3.85	3.62	0.00	29.50	3.85	3.62	0.00
26.95	3.85	3.62	0.00	29.55	3.85	3.62	0.00
27.00	3.85	3.62	0.00	29.60	3.85	3.62	0.00
27.05	3.85	3.62	0.00	29.65	3.85	3.62	0.00
27.10	3.85	3.62	0.00	29.70	3.85	3.62	0.00
27.15	3.85	3.62	0.00	29.75	3.85	3.62	0.00
27.20	3.85	3.62	0.00	29.80	3.85	3.62	0.00
27.25	3.85	3.62	0.00	29.85	3.85	3.62	0.00
27.30	3.85	3.62	0.00	29.90	3.85	3.62	0.00
27.35	3.85	3.62	0.00	29.95	3.85	3.62	0.00
27.40	3.85	3.62	0.00	30.00	3.85	3.62	0.00
27.45	3.85	3.62	0.00	30.05	3.85	3.62	0.00
27.50	3.85	3.62	0.00	30.10	3.85	3.62	0.00
27.55	3.85	3.62	0.00	30.15	3.85	3.62	0.00
27.60	3.85	3.62	0.00	30.20	3.85	3.62	0.00
27.65	3.85	3.62	0.00	30.25	3.85	3.62	0.00
27.70	3.85	3.62	0.00	30.30	3.85	3.62	0.00
27.75	3.85	3.62	0.00	30.35	3.85	3.62	0.00
27.80	3.85	3.62	0.00	30.40	3.85	3.62	0.00
27.85	3.85	3.62	0.00	30.45	3.85	3.62	0.00
27.90	3.85	3.62	0.00	30.50	3.85	3.62	0.00
27.95	3.85	3.62	0.00	30.55	3.85	3.62	0.00
28.00	3.85	3.62	0.00	30.60	3.85	3.62	0.00
28.05	3.85	3.62	0.00	30.65	3.85	3.62	0.00
28.10	3.85	3.62	0.00	30.70	3.85	3.62	0.00
28.15	3.85	3.62	0.00	30.75	3.85	3.62	0.00
28.20	3.85	3.62	0.00	30.80	3.85	3.62	0.00
28.25	3.85	3.62	0.00	30.85	3.85	3.62	0.00
28.30	3.85	3.62	0.00	30.90	3.85	3.62	0.00
28.35	3.85	3.62	0.00	30.95	3.85	3.62	0.00
28.40	3.85	3.62	0.00	31.00	3.85	3.62	0.00
28.45	3.85	3.62	0.00	31.05	3.85	3.62	0.00
28.50	3.85	3.62	0.00	31.10	3.85	3.62	0.00
28.55	3.85	3.62	0.00	31.15	3.85	3.62	0.00

Hydrograph for Subcatchment 57l: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	3.62	0.00	33.80	3.85	3.62	0.00
31.25	3.85	3.62	0.00	33.85	3.85	3.62	0.00
31.30	3.85	3.62	0.00	33.90	3.85	3.62	0.00
31.35	3.85	3.62	0.00	33.95	3.85	3.62	0.00
31.40	3.85	3.62	0.00	34.00	3.85	3.62	0.00
31.45	3.85	3.62	0.00	34.05	3.85	3.62	0.00
31.50	3.85	3.62	0.00	34.10	3.85	3.62	0.00
31.55	3.85	3.62	0.00	34.15	3.85	3.62	0.00
31.60	3.85	3.62	0.00	34.20	3.85	3.62	0.00
31.65	3.85	3.62	0.00	34.25	3.85	3.62	0.00
31.70	3.85	3.62	0.00	34.30	3.85	3.62	0.00
31.75	3.85	3.62	0.00	34.35	3.85	3.62	0.00
31.80	3.85	3.62	0.00	34.40	3.85	3.62	0.00
31.85	3.85	3.62	0.00	34.45	3.85	3.62	0.00
31.90	3.85	3.62	0.00	34.50	3.85	3.62	0.00
31.95	3.85	3.62	0.00	34.55	3.85	3.62	0.00
32.00	3.85	3.62	0.00	34.60	3.85	3.62	0.00
32.05	3.85	3.62	0.00	34.65	3.85	3.62	0.00
32.10	3.85	3.62	0.00	34.70	3.85	3.62	0.00
32.15	3.85	3.62	0.00	34.75	3.85	3.62	0.00
32.20	3.85	3.62	0.00	34.80	3.85	3.62	0.00
32.25	3.85	3.62	0.00	34.85	3.85	3.62	0.00
32.30	3.85	3.62	0.00	34.90	3.85	3.62	0.00
32.35	3.85	3.62	0.00	34.95	3.85	3.62	0.00
32.40	3.85	3.62	0.00	35.00	3.85	3.62	0.00
32.45	3.85	3.62	0.00	35.05	3.85	3.62	0.00
32.50	3.85	3.62	0.00	35.10	3.85	3.62	0.00
32.55	3.85	3.62	0.00	35.15	3.85	3.62	0.00
32.60	3.85	3.62	0.00	35.20	3.85	3.62	0.00
32.65	3.85	3.62	0.00	35.25	3.85	3.62	0.00
32.70	3.85	3.62	0.00	35.30	3.85	3.62	0.00
32.75	3.85	3.62	0.00	35.35	3.85	3.62	0.00
32.80	3.85	3.62	0.00	35.40	3.85	3.62	0.00
32.85	3.85	3.62	0.00	35.45	3.85	3.62	0.00
32.90	3.85	3.62	0.00	35.50	3.85	3.62	0.00
32.95	3.85	3.62	0.00	35.55	3.85	3.62	0.00
33.00	3.85	3.62	0.00	35.60	3.85	3.62	0.00
33.05	3.85	3.62	0.00	35.65	3.85	3.62	0.00
33.10	3.85	3.62	0.00	35.70	3.85	3.62	0.00
33.15	3.85	3.62	0.00	35.75	3.85	3.62	0.00
33.20	3.85	3.62	0.00	35.80	3.85	3.62	0.00
33.25	3.85	3.62	0.00	35.85	3.85	3.62	0.00
33.30	3.85	3.62	0.00	35.90	3.85	3.62	0.00
33.35	3.85	3.62	0.00	35.95	3.85	3.62	0.00
33.40	3.85	3.62	0.00	36.00	3.85	3.62	0.00
33.45	3.85	3.62	0.00	36.05	3.85	3.62	0.00
33.50	3.85	3.62	0.00	36.10	3.85	3.62	0.00
33.55	3.85	3.62	0.00	36.15	3.85	3.62	0.00
33.60	3.85	3.62	0.00	36.20	3.85	3.62	0.00
33.65	3.85	3.62	0.00	36.25	3.85	3.62	0.00
33.70	3.85	3.62	0.00	36.30	3.85	3.62	0.00
33.75	3.85	3.62	0.00	36.35	3.85	3.62	0.00

Hydrograph for Subcatchment 57l: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	3.62	0.00
36.45	3.85	3.62	0.00
36.50	3.85	3.62	0.00
36.55	3.85	3.62	0.00
36.60	3.85	3.62	0.00
36.65	3.85	3.62	0.00
36.70	3.85	3.62	0.00
36.75	3.85	3.62	0.00
36.80	3.85	3.62	0.00
36.85	3.85	3.62	0.00
36.90	3.85	3.62	0.00
36.95	3.85	3.62	0.00
37.00	3.85	3.62	0.00
37.05	3.85	3.62	0.00
37.10	3.85	3.62	0.00
37.15	3.85	3.62	0.00
37.20	3.85	3.62	0.00
37.25	3.85	3.62	0.00
37.30	3.85	3.62	0.00
37.35	3.85	3.62	0.00
37.40	3.85	3.62	0.00
37.45	3.85	3.62	0.00
37.50	3.85	3.62	0.00
37.55	3.85	3.62	0.00
37.60	3.85	3.62	0.00
37.65	3.85	3.62	0.00
37.70	3.85	3.62	0.00
37.75	3.85	3.62	0.00
37.80	3.85	3.62	0.00
37.85	3.85	3.62	0.00
37.90	3.85	3.62	0.00
37.95	3.85	3.62	0.00
38.00	3.85	3.62	0.00
38.05	3.85	3.62	0.00
38.10	3.85	3.62	0.00
38.15	3.85	3.62	0.00
38.20	3.85	3.62	0.00
38.25	3.85	3.62	0.00
38.30	3.85	3.62	0.00
38.35	3.85	3.62	0.00
38.40	3.85	3.62	0.00
38.45	3.85	3.62	0.00
38.50	3.85	3.62	0.00
38.55	3.85	3.62	0.00
38.60	3.85	3.62	0.00
38.65	3.85	3.62	0.00
38.70	3.85	3.62	0.00
38.75	3.85	3.62	0.00
38.80	3.85	3.62	0.00
38.85	3.85	3.62	0.00
38.90	3.85	3.62	0.00
38.95	3.85	3.62	0.00
39.00	3.85	3.62	0.00
39.05	3.85	3.62	0.00
39.10	3.85	3.62	0.00
39.15	3.85	3.62	0.00
39.20	3.85	3.62	0.00
39.25	3.85	3.62	0.00
39.30	3.85	3.62	0.00
39.35	3.85	3.62	0.00
39.40	3.85	3.62	0.00
39.45	3.85	3.62	0.00
39.50	3.85	3.62	0.00
39.55	3.85	3.62	0.00
39.60	3.85	3.62	0.00
39.65	3.85	3.62	0.00
39.70	3.85	3.62	0.00
39.75	3.85	3.62	0.00
39.80	3.85	3.62	0.00
39.85	3.85	3.62	0.00
39.90	3.85	3.62	0.00
39.95	3.85	3.62	0.00
40.00	3.85	3.62	0.00

Summary for Subcatchment 57P: PDA-57 (pervious)

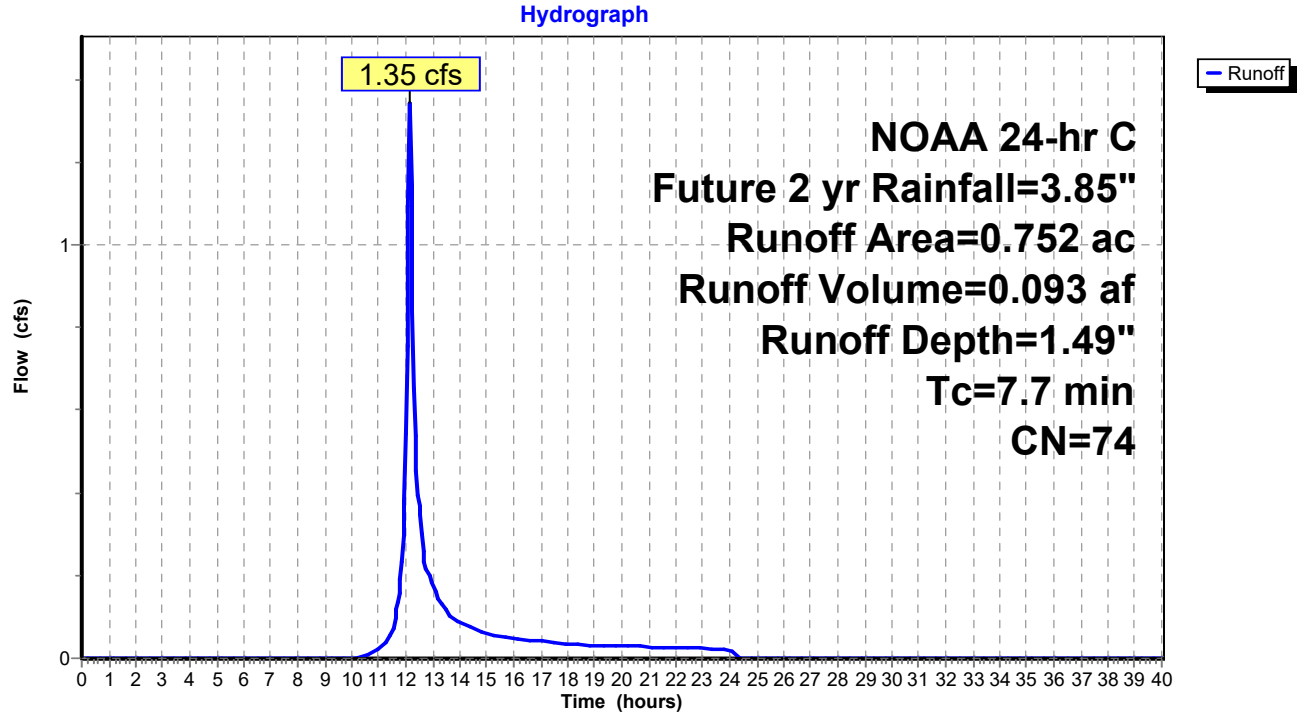
Runoff = 1.35 cfs @ 12.15 hrs, Volume= 0.093 af, Depth= 1.49"
Routed to Pond B-57 : Basin #57

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
0.752	74	>75% Grass cover, Good, HSG C
0.752		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
7.7					**Direct Entry,**

Subcatchment 57P: PDA-57 (pervious)



Hydrograph for Subcatchment 57P: PDA-57 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.00
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.00

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.00	13.00	2.93	0.86	0.18
10.45	0.78	0.00	0.00	13.05	2.94	0.87	0.17
10.50	0.79	0.00	0.01	13.10	2.96	0.88	0.16
10.55	0.80	0.00	0.01	13.15	2.97	0.89	0.15
10.60	0.82	0.00	0.01	13.20	2.98	0.90	0.14
10.65	0.83	0.00	0.01	13.25	3.00	0.91	0.14
10.70	0.84	0.01	0.01	13.30	3.01	0.92	0.13
10.75	0.85	0.01	0.01	13.35	3.02	0.92	0.13
10.80	0.87	0.01	0.01	13.40	3.03	0.93	0.12
10.85	0.88	0.01	0.02	13.45	3.05	0.94	0.12
10.90	0.89	0.01	0.02	13.50	3.06	0.94	0.11
10.95	0.91	0.01	0.02	13.55	3.07	0.95	0.11
11.00	0.92	0.01	0.02	13.60	3.08	0.96	0.10
11.05	0.94	0.02	0.02	13.65	3.09	0.96	0.10
11.10	0.96	0.02	0.03	13.70	3.09	0.97	0.09
11.15	0.98	0.02	0.03	13.75	3.10	0.97	0.09
11.20	1.00	0.02	0.04	13.80	3.11	0.98	0.09
11.25	1.02	0.03	0.04	13.85	3.12	0.99	0.09
11.30	1.04	0.03	0.04	13.90	3.13	0.99	0.09
11.35	1.06	0.03	0.05	13.95	3.14	1.00	0.09
11.40	1.09	0.04	0.06	14.00	3.15	1.00	0.09
11.45	1.11	0.04	0.06	14.05	3.16	1.01	0.09
11.50	1.14	0.05	0.07	14.10	3.16	1.01	0.08
11.55	1.18	0.06	0.08	14.15	3.17	1.02	0.08
11.60	1.22	0.07	0.10	14.20	3.18	1.02	0.08
11.65	1.26	0.08	0.12	14.25	3.19	1.03	0.08
11.70	1.30	0.09	0.14	14.30	3.20	1.03	0.08
11.75	1.35	0.10	0.16	14.35	3.20	1.04	0.08
11.80	1.41	0.12	0.19	14.40	3.21	1.04	0.08
11.85	1.49	0.14	0.23	14.45	3.22	1.05	0.07
11.90	1.57	0.17	0.30	14.50	3.23	1.05	0.07
11.95	1.70	0.22	0.38	14.55	3.23	1.06	0.07
12.00	1.83	0.28	0.54	14.60	3.24	1.06	0.07
12.05	2.06	0.38	0.76	14.65	3.25	1.07	0.07
12.10	2.28	0.49	1.09	14.70	3.25	1.07	0.07
12.15	2.36	0.53	**1.34**	14.75	3.26	1.08	0.07
12.20	2.44	0.57	1.15	14.80	3.26	1.08	0.07
12.25	2.50	0.61	0.84	14.85	3.27	1.08	0.06
12.30	2.55	0.64	0.65	14.90	3.28	1.09	0.06
12.35	2.59	0.66	0.54	14.95	3.28	1.09	0.06
12.40	2.63	0.69	0.46	15.00	3.29	1.10	0.06
12.45	2.67	0.71	0.40	15.05	3.29	1.10	0.06
12.50	2.71	0.73	0.37	15.10	3.30	1.10	0.06
12.55	2.74	0.75	0.35	15.15	3.30	1.11	0.06
12.60	2.76	0.76	0.30	15.20	3.31	1.11	0.05
12.65	2.79	0.78	0.26	15.25	3.31	1.11	0.05
12.70	2.81	0.79	0.23	15.30	3.32	1.12	0.05
12.75	2.83	0.80	0.22	15.35	3.32	1.12	0.05
12.80	2.85	0.82	0.21	15.40	3.33	1.12	0.05
12.85	2.87	0.83	0.20	15.45	3.34	1.13	0.05
12.90	2.89	0.84	0.19	15.50	3.34	1.13	0.05
12.95	2.91	0.85	0.19	15.55	3.35	1.13	0.05

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	1.14	0.05	18.20	3.56	1.28	0.03
15.65	3.36	1.14	0.05	18.25	3.56	1.28	0.03
15.70	3.36	1.14	0.05	18.30	3.56	1.28	0.03
15.75	3.36	1.15	0.05	18.35	3.57	1.29	0.03
15.80	3.37	1.15	0.05	18.40	3.57	1.29	0.03
15.85	3.37	1.15	0.05	18.45	3.57	1.29	0.03
15.90	3.38	1.16	0.05	18.50	3.58	1.29	0.03
15.95	3.38	1.16	0.05	18.55	3.58	1.29	0.03
16.00	3.39	1.16	0.05	18.60	3.58	1.30	0.03
16.05	3.39	1.17	0.05	18.65	3.58	1.30	0.03
16.10	3.40	1.17	0.05	18.70	3.59	1.30	0.03
16.15	3.40	1.17	0.05	18.75	3.59	1.30	0.03
16.20	3.41	1.18	0.05	18.80	3.59	1.30	0.03
16.25	3.41	1.18	0.05	18.85	3.60	1.31	0.03
16.30	3.42	1.18	0.05	18.90	3.60	1.31	0.03
16.35	3.42	1.19	0.05	18.95	3.60	1.31	0.03
16.40	3.42	1.19	0.05	19.00	3.61	1.31	0.03
16.45	3.43	1.19	0.05	19.05	3.61	1.32	0.03
16.50	3.43	1.19	0.05	19.10	3.61	1.32	0.03
16.55	3.44	1.20	0.04	19.15	3.61	1.32	0.03
16.60	3.44	1.20	0.04	19.20	3.62	1.32	0.03
16.65	3.45	1.20	0.04	19.25	3.62	1.32	0.03
16.70	3.45	1.21	0.04	19.30	3.62	1.33	0.03
16.75	3.45	1.21	0.04	19.35	3.63	1.33	0.03
16.80	3.46	1.21	0.04	19.40	3.63	1.33	0.03
16.85	3.46	1.21	0.04	19.45	3.63	1.33	0.03
16.90	3.47	1.22	0.04	19.50	3.63	1.33	0.03
16.95	3.47	1.22	0.04	19.55	3.64	1.34	0.03
17.00	3.47	1.22	0.04	19.60	3.64	1.34	0.03
17.05	3.48	1.22	0.04	19.65	3.64	1.34	0.03
17.10	3.48	1.23	0.04	19.70	3.65	1.34	0.03
17.15	3.49	1.23	0.04	19.75	3.65	1.34	0.03
17.20	3.49	1.23	0.04	19.80	3.65	1.34	0.03
17.25	3.49	1.24	0.04	19.85	3.65	1.35	0.03
17.30	3.50	1.24	0.04	19.90	3.66	1.35	0.03
17.35	3.50	1.24	0.04	19.95	3.66	1.35	0.03
17.40	3.50	1.24	0.04	20.00	3.66	1.35	0.03
17.45	3.51	1.25	0.04	20.05	3.66	1.35	0.03
17.50	3.51	1.25	0.04	20.10	3.67	1.36	0.03
17.55	3.52	1.25	0.04	20.15	3.67	1.36	0.03
17.60	3.52	1.25	0.04	20.20	3.67	1.36	0.03
17.65	3.52	1.26	0.04	20.25	3.68	1.36	0.03
17.70	3.53	1.26	0.04	20.30	3.68	1.36	0.03
17.75	3.53	1.26	0.04	20.35	3.68	1.37	0.03
17.80	3.53	1.26	0.04	20.40	3.68	1.37	0.03
17.85	3.54	1.26	0.04	20.45	3.69	1.37	0.03
17.90	3.54	1.27	0.03	20.50	3.69	1.37	0.03
17.95	3.54	1.27	0.03	20.55	3.69	1.37	0.03
18.00	3.54	1.27	0.03	20.60	3.69	1.38	0.03
18.05	3.55	1.27	0.03	20.65	3.70	1.38	0.03
18.10	3.55	1.28	0.03	20.70	3.70	1.38	0.03
18.15	3.55	1.28	0.03	20.75	3.70	1.38	0.03

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	1.38	0.03	23.40	3.82	1.47	0.02
20.85	3.71	1.38	0.03	23.45	3.83	1.47	0.02
20.90	3.71	1.39	0.03	23.50	3.83	1.47	0.02
20.95	3.71	1.39	0.03	23.55	3.83	1.47	0.02
21.00	3.71	1.39	0.03	23.60	3.83	1.47	0.02
21.05	3.72	1.39	0.03	23.65	3.84	1.48	0.02
21.10	3.72	1.39	0.03	23.70	3.84	1.48	0.02
21.15	3.72	1.40	0.03	23.75	3.84	1.48	0.02
21.20	3.72	1.40	0.03	23.80	3.84	1.48	0.02
21.25	3.73	1.40	0.03	23.85	3.84	1.48	0.02
21.30	3.73	1.40	0.03	23.90	3.85	1.48	0.02
21.35	3.73	1.40	0.03	23.95	3.85	1.49	0.02
21.40	3.73	1.40	0.03	24.00	**3.85**	**1.49**	0.02
21.45	3.74	1.41	0.03	24.05	3.85	1.49	0.02
21.50	3.74	1.41	0.03	24.10	3.85	1.49	0.02
21.55	3.74	1.41	0.03	24.15	3.85	1.49	0.01
21.60	3.74	1.41	0.03	24.20	3.85	1.49	0.00
21.65	3.75	1.41	0.03	24.25	3.85	1.49	0.00
21.70	3.75	1.41	0.03	24.30	3.85	1.49	0.00
21.75	3.75	1.42	0.03	24.35	3.85	1.49	0.00
21.80	3.75	1.42	0.03	24.40	3.85	1.49	0.00
21.85	3.76	1.42	0.03	24.45	3.85	1.49	0.00
21.90	3.76	1.42	0.03	24.50	3.85	1.49	0.00
21.95	3.76	1.42	0.03	24.55	3.85	1.49	0.00
22.00	3.76	1.42	0.03	24.60	3.85	1.49	0.00
22.05	3.77	1.43	0.03	24.65	3.85	1.49	0.00
22.10	3.77	1.43	0.03	24.70	3.85	1.49	0.00
22.15	3.77	1.43	0.03	24.75	3.85	1.49	0.00
22.20	3.77	1.43	0.03	24.80	3.85	1.49	0.00
22.25	3.77	1.43	0.03	24.85	3.85	1.49	0.00
22.30	3.78	1.43	0.03	24.90	3.85	1.49	0.00
22.35	3.78	1.44	0.02	24.95	3.85	1.49	0.00
22.40	3.78	1.44	0.02	25.00	3.85	1.49	0.00
22.45	3.78	1.44	0.02	25.05	3.85	1.49	0.00
22.50	3.79	1.44	0.02	25.10	3.85	1.49	0.00
22.55	3.79	1.44	0.02	25.15	3.85	1.49	0.00
22.60	3.79	1.44	0.02	25.20	3.85	1.49	0.00
22.65	3.79	1.45	0.02	25.25	3.85	1.49	0.00
22.70	3.79	1.45	0.02	25.30	3.85	1.49	0.00
22.75	3.80	1.45	0.02	25.35	3.85	1.49	0.00
22.80	3.80	1.45	0.02	25.40	3.85	1.49	0.00
22.85	3.80	1.45	0.02	25.45	3.85	1.49	0.00
22.90	3.80	1.45	0.02	25.50	3.85	1.49	0.00
22.95	3.81	1.46	0.02	25.55	3.85	1.49	0.00
23.00	3.81	1.46	0.02	25.60	3.85	1.49	0.00
23.05	3.81	1.46	0.02	25.65	3.85	1.49	0.00
23.10	3.81	1.46	0.02	25.70	3.85	1.49	0.00
23.15	3.81	1.46	0.02	25.75	3.85	1.49	0.00
23.20	3.82	1.46	0.02	25.80	3.85	1.49	0.00
23.25	3.82	1.46	0.02	25.85	3.85	1.49	0.00
23.30	3.82	1.47	0.02	25.90	3.85	1.49	0.00
23.35	3.82	1.47	0.02	25.95	3.85	1.49	0.00

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.49	0.00	28.60	3.85	1.49	0.00
26.05	3.85	1.49	0.00	28.65	3.85	1.49	0.00
26.10	3.85	1.49	0.00	28.70	3.85	1.49	0.00
26.15	3.85	1.49	0.00	28.75	3.85	1.49	0.00
26.20	3.85	1.49	0.00	28.80	3.85	1.49	0.00
26.25	3.85	1.49	0.00	28.85	3.85	1.49	0.00
26.30	3.85	1.49	0.00	28.90	3.85	1.49	0.00
26.35	3.85	1.49	0.00	28.95	3.85	1.49	0.00
26.40	3.85	1.49	0.00	29.00	3.85	1.49	0.00
26.45	3.85	1.49	0.00	29.05	3.85	1.49	0.00
26.50	3.85	1.49	0.00	29.10	3.85	1.49	0.00
26.55	3.85	1.49	0.00	29.15	3.85	1.49	0.00
26.60	3.85	1.49	0.00	29.20	3.85	1.49	0.00
26.65	3.85	1.49	0.00	29.25	3.85	1.49	0.00
26.70	3.85	1.49	0.00	29.30	3.85	1.49	0.00
26.75	3.85	1.49	0.00	29.35	3.85	1.49	0.00
26.80	3.85	1.49	0.00	29.40	3.85	1.49	0.00
26.85	3.85	1.49	0.00	29.45	3.85	1.49	0.00
26.90	3.85	1.49	0.00	29.50	3.85	1.49	0.00
26.95	3.85	1.49	0.00	29.55	3.85	1.49	0.00
27.00	3.85	1.49	0.00	29.60	3.85	1.49	0.00
27.05	3.85	1.49	0.00	29.65	3.85	1.49	0.00
27.10	3.85	1.49	0.00	29.70	3.85	1.49	0.00
27.15	3.85	1.49	0.00	29.75	3.85	1.49	0.00
27.20	3.85	1.49	0.00	29.80	3.85	1.49	0.00
27.25	3.85	1.49	0.00	29.85	3.85	1.49	0.00
27.30	3.85	1.49	0.00	29.90	3.85	1.49	0.00
27.35	3.85	1.49	0.00	29.95	3.85	1.49	0.00
27.40	3.85	1.49	0.00	30.00	3.85	1.49	0.00
27.45	3.85	1.49	0.00	30.05	3.85	1.49	0.00
27.50	3.85	1.49	0.00	30.10	3.85	1.49	0.00
27.55	3.85	1.49	0.00	30.15	3.85	1.49	0.00
27.60	3.85	1.49	0.00	30.20	3.85	1.49	0.00
27.65	3.85	1.49	0.00	30.25	3.85	1.49	0.00
27.70	3.85	1.49	0.00	30.30	3.85	1.49	0.00
27.75	3.85	1.49	0.00	30.35	3.85	1.49	0.00
27.80	3.85	1.49	0.00	30.40	3.85	1.49	0.00
27.85	3.85	1.49	0.00	30.45	3.85	1.49	0.00
27.90	3.85	1.49	0.00	30.50	3.85	1.49	0.00
27.95	3.85	1.49	0.00	30.55	3.85	1.49	0.00
28.00	3.85	1.49	0.00	30.60	3.85	1.49	0.00
28.05	3.85	1.49	0.00	30.65	3.85	1.49	0.00
28.10	3.85	1.49	0.00	30.70	3.85	1.49	0.00
28.15	3.85	1.49	0.00	30.75	3.85	1.49	0.00
28.20	3.85	1.49	0.00	30.80	3.85	1.49	0.00
28.25	3.85	1.49	0.00	30.85	3.85	1.49	0.00
28.30	3.85	1.49	0.00	30.90	3.85	1.49	0.00
28.35	3.85	1.49	0.00	30.95	3.85	1.49	0.00
28.40	3.85	1.49	0.00	31.00	3.85	1.49	0.00
28.45	3.85	1.49	0.00	31.05	3.85	1.49	0.00
28.50	3.85	1.49	0.00	31.10	3.85	1.49	0.00
28.55	3.85	1.49	0.00	31.15	3.85	1.49	0.00

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.49	0.00	33.80	3.85	1.49	0.00
31.25	3.85	1.49	0.00	33.85	3.85	1.49	0.00
31.30	3.85	1.49	0.00	33.90	3.85	1.49	0.00
31.35	3.85	1.49	0.00	33.95	3.85	1.49	0.00
31.40	3.85	1.49	0.00	34.00	3.85	1.49	0.00
31.45	3.85	1.49	0.00	34.05	3.85	1.49	0.00
31.50	3.85	1.49	0.00	34.10	3.85	1.49	0.00
31.55	3.85	1.49	0.00	34.15	3.85	1.49	0.00
31.60	3.85	1.49	0.00	34.20	3.85	1.49	0.00
31.65	3.85	1.49	0.00	34.25	3.85	1.49	0.00
31.70	3.85	1.49	0.00	34.30	3.85	1.49	0.00
31.75	3.85	1.49	0.00	34.35	3.85	1.49	0.00
31.80	3.85	1.49	0.00	34.40	3.85	1.49	0.00
31.85	3.85	1.49	0.00	34.45	3.85	1.49	0.00
31.90	3.85	1.49	0.00	34.50	3.85	1.49	0.00
31.95	3.85	1.49	0.00	34.55	3.85	1.49	0.00
32.00	3.85	1.49	0.00	34.60	3.85	1.49	0.00
32.05	3.85	1.49	0.00	34.65	3.85	1.49	0.00
32.10	3.85	1.49	0.00	34.70	3.85	1.49	0.00
32.15	3.85	1.49	0.00	34.75	3.85	1.49	0.00
32.20	3.85	1.49	0.00	34.80	3.85	1.49	0.00
32.25	3.85	1.49	0.00	34.85	3.85	1.49	0.00
32.30	3.85	1.49	0.00	34.90	3.85	1.49	0.00
32.35	3.85	1.49	0.00	34.95	3.85	1.49	0.00
32.40	3.85	1.49	0.00	35.00	3.85	1.49	0.00
32.45	3.85	1.49	0.00	35.05	3.85	1.49	0.00
32.50	3.85	1.49	0.00	35.10	3.85	1.49	0.00
32.55	3.85	1.49	0.00	35.15	3.85	1.49	0.00
32.60	3.85	1.49	0.00	35.20	3.85	1.49	0.00
32.65	3.85	1.49	0.00	35.25	3.85	1.49	0.00
32.70	3.85	1.49	0.00	35.30	3.85	1.49	0.00
32.75	3.85	1.49	0.00	35.35	3.85	1.49	0.00
32.80	3.85	1.49	0.00	35.40	3.85	1.49	0.00
32.85	3.85	1.49	0.00	35.45	3.85	1.49	0.00
32.90	3.85	1.49	0.00	35.50	3.85	1.49	0.00
32.95	3.85	1.49	0.00	35.55	3.85	1.49	0.00
33.00	3.85	1.49	0.00	35.60	3.85	1.49	0.00
33.05	3.85	1.49	0.00	35.65	3.85	1.49	0.00
33.10	3.85	1.49	0.00	35.70	3.85	1.49	0.00
33.15	3.85	1.49	0.00	35.75	3.85	1.49	0.00
33.20	3.85	1.49	0.00	35.80	3.85	1.49	0.00
33.25	3.85	1.49	0.00	35.85	3.85	1.49	0.00
33.30	3.85	1.49	0.00	35.90	3.85	1.49	0.00
33.35	3.85	1.49	0.00	35.95	3.85	1.49	0.00
33.40	3.85	1.49	0.00	36.00	3.85	1.49	0.00
33.45	3.85	1.49	0.00	36.05	3.85	1.49	0.00
33.50	3.85	1.49	0.00	36.10	3.85	1.49	0.00
33.55	3.85	1.49	0.00	36.15	3.85	1.49	0.00
33.60	3.85	1.49	0.00	36.20	3.85	1.49	0.00
33.65	3.85	1.49	0.00	36.25	3.85	1.49	0.00
33.70	3.85	1.49	0.00	36.30	3.85	1.49	0.00
33.75	3.85	1.49	0.00	36.35	3.85	1.49	0.00

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.49	0.00
36.45	3.85	1.49	0.00
36.50	3.85	1.49	0.00
36.55	3.85	1.49	0.00
36.60	3.85	1.49	0.00
36.65	3.85	1.49	0.00
36.70	3.85	1.49	0.00
36.75	3.85	1.49	0.00
36.80	3.85	1.49	0.00
36.85	3.85	1.49	0.00
36.90	3.85	1.49	0.00
36.95	3.85	1.49	0.00
37.00	3.85	1.49	0.00
37.05	3.85	1.49	0.00
37.10	3.85	1.49	0.00
37.15	3.85	1.49	0.00
37.20	3.85	1.49	0.00
37.25	3.85	1.49	0.00
37.30	3.85	1.49	0.00
37.35	3.85	1.49	0.00
37.40	3.85	1.49	0.00
37.45	3.85	1.49	0.00
37.50	3.85	1.49	0.00
37.55	3.85	1.49	0.00
37.60	3.85	1.49	0.00
37.65	3.85	1.49	0.00
37.70	3.85	1.49	0.00
37.75	3.85	1.49	0.00
37.80	3.85	1.49	0.00
37.85	3.85	1.49	0.00
37.90	3.85	1.49	0.00
37.95	3.85	1.49	0.00
38.00	3.85	1.49	0.00
38.05	3.85	1.49	0.00
38.10	3.85	1.49	0.00
38.15	3.85	1.49	0.00
38.20	3.85	1.49	0.00
38.25	3.85	1.49	0.00
38.30	3.85	1.49	0.00
38.35	3.85	1.49	0.00
38.40	3.85	1.49	0.00
38.45	3.85	1.49	0.00
38.50	3.85	1.49	0.00
38.55	3.85	1.49	0.00
38.60	3.85	1.49	0.00
38.65	3.85	1.49	0.00
38.70	3.85	1.49	0.00
38.75	3.85	1.49	0.00
38.80	3.85	1.49	0.00
38.85	3.85	1.49	0.00
38.90	3.85	1.49	0.00
38.95	3.85	1.49	0.00
39.00	3.85	1.49	0.00
39.05	3.85	1.49	0.00
39.10	3.85	1.49	0.00
39.15	3.85	1.49	0.00
39.20	3.85	1.49	0.00
39.25	3.85	1.49	0.00
39.30	3.85	1.49	0.00
39.35	3.85	1.49	0.00
39.40	3.85	1.49	0.00
39.45	3.85	1.49	0.00
39.50	3.85	1.49	0.00
39.55	3.85	1.49	0.00
39.60	3.85	1.49	0.00
39.65	3.85	1.49	0.00
39.70	3.85	1.49	0.00
39.75	3.85	1.49	0.00
39.80	3.85	1.49	0.00
39.85	3.85	1.49	0.00
39.90	3.85	1.49	0.00
39.95	3.85	1.49	0.00
40.00	3.85	1.49	0.00

Summary for Subcatchment 58I: PDA-58 (impervious)

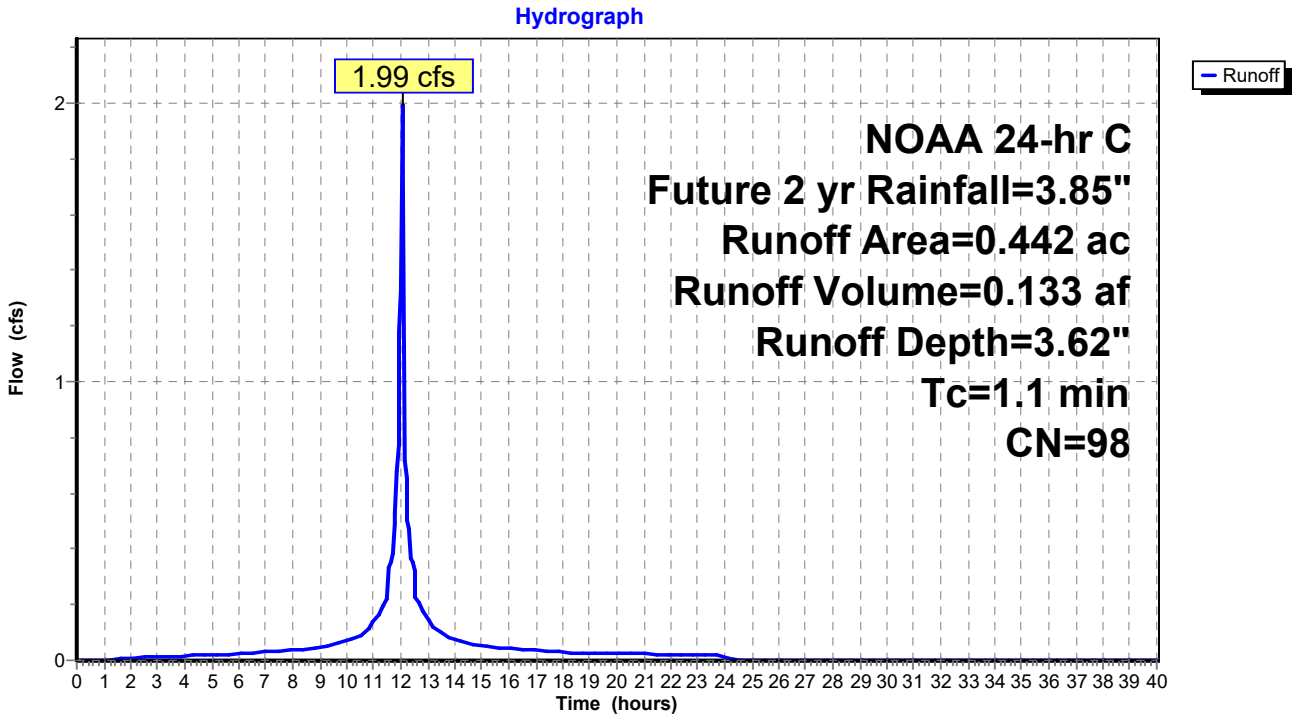
Runoff = 1.99 cfs @ 12.06 hrs, Volume= 0.133 af, Depth= 3.62"
Routed to Pond B-58 : Basin #58

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

	Area (ac)	CN	Description
*	0.442	98	Roof, HSG C
*	0.000	98	Concrete, HSG C
	0.442	98	Weighted Average
	0.442		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.1					**Direct Entry,**

Subcatchment 58I: PDA-58 (impervious)



Hydrograph for Subcatchment 58I: PDA-58 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.02	0.01
0.05	0.00	0.00	0.00	2.65	0.12	0.02	0.01
0.10	0.00	0.00	0.00	2.70	0.12	0.02	0.01
0.15	0.01	0.00	0.00	2.75	0.12	0.02	0.01
0.20	0.01	0.00	0.00	2.80	0.13	0.02	0.01
0.25	0.01	0.00	0.00	2.85	0.13	0.03	0.01
0.30	0.01	0.00	0.00	2.90	0.13	0.03	0.01
0.35	0.01	0.00	0.00	2.95	0.13	0.03	0.01
0.40	0.02	0.00	0.00	3.00	0.14	0.03	0.01
0.45	0.02	0.00	0.00	3.05	0.14	0.03	0.01
0.50	0.02	0.00	0.00	3.10	0.14	0.03	0.01
0.55	0.02	0.00	0.00	3.15	0.14	0.03	0.01
0.60	0.03	0.00	0.00	3.20	0.15	0.04	0.01
0.65	0.03	0.00	0.00	3.25	0.15	0.04	0.01
0.70	0.03	0.00	0.00	3.30	0.15	0.04	0.01
0.75	0.03	0.00	0.00	3.35	0.15	0.04	0.01
0.80	0.03	0.00	0.00	3.40	0.16	0.04	0.01
0.85	0.04	0.00	0.00	3.45	0.16	0.04	0.01
0.90	0.04	0.00	0.00	3.50	0.16	0.04	0.01
0.95	0.04	0.00	0.00	3.55	0.16	0.05	0.01
1.00	0.04	0.00	0.00	3.60	0.17	0.05	0.01
1.05	0.04	0.00	0.00	3.65	0.17	0.05	0.01
1.10	0.05	0.00	0.00	3.70	0.17	0.05	0.01
1.15	0.05	0.00	0.00	3.75	0.17	0.05	0.02
1.20	0.05	0.00	0.00	3.80	0.18	0.05	0.02
1.25	0.05	0.00	0.00	3.85	0.18	0.06	0.02
1.30	0.06	0.00	0.00	3.90	0.18	0.06	0.02
1.35	0.06	0.00	0.00	3.95	0.19	0.06	0.02
1.40	0.06	0.00	0.00	4.00	0.19	0.06	0.02
1.45	0.06	0.00	0.00	4.05	0.19	0.06	0.02
1.50	0.06	0.00	0.00	4.10	0.19	0.07	0.02
1.55	0.07	0.00	0.00	4.15	0.20	0.07	0.02
1.60	0.07	0.00	0.00	4.20	0.20	0.07	0.02
1.65	0.07	0.00	0.00	4.25	0.20	0.07	0.02
1.70	0.07	0.00	0.01	4.30	0.20	0.07	0.02
1.75	0.08	0.01	0.01	4.35	0.21	0.08	0.02
1.80	0.08	0.01	0.01	4.40	0.21	0.08	0.02
1.85	0.08	0.01	0.01	4.45	0.21	0.08	0.02
1.90	0.08	0.01	0.01	4.50	0.22	0.08	0.02
1.95	0.08	0.01	0.01	4.55	0.22	0.08	0.02
2.00	0.09	0.01	0.01	4.60	0.22	0.09	0.02
2.05	0.09	0.01	0.01	4.65	0.22	0.09	0.02
2.10	0.09	0.01	0.01	4.70	0.23	0.09	0.02
2.15	0.09	0.01	0.01	4.75	0.23	0.09	0.02
2.20	0.10	0.01	0.01	4.80	0.23	0.09	0.02
2.25	0.10	0.01	0.01	4.85	0.24	0.10	0.02
2.30	0.10	0.01	0.01	4.90	0.24	0.10	0.02
2.35	0.10	0.01	0.01	4.95	0.24	0.10	0.02
2.40	0.11	0.02	0.01	5.00	0.24	0.10	0.02
2.45	0.11	0.02	0.01	5.05	0.25	0.10	0.02
2.50	0.11	0.02	0.01	5.10	0.25	0.11	0.02
2.55	0.11	0.02	0.01	5.15	0.25	0.11	0.02

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.11	0.02	7.80	0.44	0.27	0.04
5.25	0.26	0.11	0.02	7.85	0.45	0.27	0.04
5.30	0.26	0.12	0.02	7.90	0.45	0.27	0.04
5.35	0.27	0.12	0.02	7.95	0.46	0.28	0.04
5.40	0.27	0.12	0.02	8.00	0.46	0.28	0.04
5.45	0.27	0.12	0.02	8.05	0.47	0.29	0.04
5.50	0.27	0.12	0.02	8.10	0.47	0.29	0.04
5.55	0.28	0.13	0.02	8.15	0.48	0.30	0.04
5.60	0.28	0.13	0.02	8.20	0.48	0.30	0.04
5.65	0.28	0.13	0.02	8.25	0.49	0.30	0.04
5.70	0.29	0.13	0.02	8.30	0.49	0.31	0.04
5.75	0.29	0.14	0.02	8.35	0.49	0.31	0.04
5.80	0.29	0.14	0.02	8.40	0.50	0.32	0.04
5.85	0.30	0.14	0.02	8.45	0.50	0.32	0.04
5.90	0.30	0.14	0.02	8.50	0.51	0.33	0.04
5.95	0.30	0.15	0.02	8.55	0.51	0.33	0.04
6.00	0.31	0.15	0.02	8.60	0.52	0.34	0.04
6.05	0.31	0.15	0.02	8.65	0.53	0.34	0.04
6.10	0.31	0.15	0.02	8.70	0.53	0.35	0.04
6.15	0.31	0.16	0.02	8.75	0.54	0.35	0.04
6.20	0.32	0.16	0.02	8.80	0.54	0.36	0.04
6.25	0.32	0.16	0.02	8.85	0.55	0.36	0.04
6.30	0.32	0.17	0.02	8.90	0.55	0.36	0.04
6.35	0.33	0.17	0.03	8.95	0.56	0.37	0.04
6.40	0.33	0.17	0.03	9.00	0.56	0.37	0.04
6.45	0.33	0.17	0.03	9.05	0.57	0.38	0.05
6.50	0.34	0.18	0.03	9.10	0.57	0.39	0.05
6.55	0.34	0.18	0.03	9.15	0.58	0.39	0.05
6.60	0.35	0.18	0.03	9.20	0.59	0.40	0.05
6.65	0.35	0.19	0.03	9.25	0.59	0.40	0.05
6.70	0.35	0.19	0.03	9.30	0.60	0.41	0.05
6.75	0.36	0.19	0.03	9.35	0.60	0.41	0.05
6.80	0.36	0.19	0.03	9.40	0.61	0.42	0.05
6.85	0.36	0.20	0.03	9.45	0.62	0.43	0.06
6.90	0.37	0.20	0.03	9.50	0.62	0.43	0.06
6.95	0.37	0.20	0.03	9.55	0.63	0.44	0.06
7.00	0.38	0.21	0.03	9.60	0.64	0.45	0.06
7.05	0.38	0.21	0.03	9.65	0.65	0.45	0.06
7.10	0.38	0.21	0.03	9.70	0.65	0.46	0.06
7.15	0.39	0.22	0.03	9.75	0.66	0.47	0.06
7.20	0.39	0.22	0.03	9.80	0.67	0.47	0.06
7.25	0.40	0.23	0.03	9.85	0.68	0.48	0.07
7.30	0.40	0.23	0.03	9.90	0.69	0.49	0.07
7.35	0.40	0.23	0.03	9.95	0.69	0.50	0.07
7.40	0.41	0.24	0.03	10.00	0.70	0.51	0.07
7.45	0.41	0.24	0.03	10.05	0.71	0.51	0.07
7.50	0.42	0.24	0.03	10.10	0.72	0.52	0.07
7.55	0.42	0.25	0.03	10.15	0.73	0.53	0.07
7.60	0.43	0.25	0.03	10.20	0.74	0.54	0.08
7.65	0.43	0.25	0.03	10.25	0.75	0.55	0.08
7.70	0.43	0.26	0.03	10.30	0.76	0.56	0.08
7.75	0.44	0.26	0.04	10.35	0.76	0.56	0.08

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.57	0.08	13.00	2.93	2.69	0.15
10.45	0.78	0.58	0.08	13.05	2.94	2.71	0.14
10.50	0.79	0.59	0.08	13.10	2.96	2.73	0.13
10.55	0.80	0.60	0.09	13.15	2.97	2.74	0.13
10.60	0.82	0.61	0.09	13.20	2.98	2.75	0.12
10.65	0.83	0.62	0.10	13.25	3.00	2.77	0.12
10.70	0.84	0.64	0.10	13.30	3.01	2.78	0.11
10.75	0.85	0.65	0.11	13.35	3.02	2.79	0.11
10.80	0.87	0.66	0.11	13.40	3.03	2.80	0.10
10.85	0.88	0.67	0.12	13.45	3.05	2.81	0.10
10.90	0.89	0.69	0.12	13.50	3.06	2.82	0.09
10.95	0.91	0.70	0.13	13.55	3.07	2.83	0.09
11.00	0.92	0.72	0.13	13.60	3.08	2.84	0.09
11.05	0.94	0.73	0.15	13.65	3.09	2.85	0.08
11.10	0.96	0.75	0.15	13.70	3.09	2.86	0.08
11.15	0.98	0.77	0.17	13.75	3.10	2.87	0.08
11.20	1.00	0.79	0.17	13.80	3.11	2.88	0.08
11.25	1.02	0.81	0.19	13.85	3.12	2.89	0.08
11.30	1.04	0.83	0.19	13.90	3.13	2.90	0.08
11.35	1.06	0.85	0.20	13.95	3.14	2.91	0.08
11.40	1.09	0.88	0.21	14.00	3.15	2.92	0.08
11.45	1.11	0.90	0.22	14.05	3.16	2.92	0.07
11.50	1.14	0.92	0.24	14.10	3.16	2.93	0.07
11.55	1.18	0.96	0.34	14.15	3.17	2.94	0.07
11.60	1.22	1.00	0.34	14.20	3.18	2.95	0.07
11.65	1.26	1.04	0.36	14.25	3.19	2.96	0.07
11.70	1.30	1.08	0.38	14.30	3.20	2.96	0.07
11.75	1.35	1.14	0.49	14.35	3.20	2.97	0.07
11.80	1.41	1.19	0.53	14.40	3.21	2.98	0.07
11.85	1.49	1.27	0.68	14.45	3.22	2.99	0.06
11.90	1.57	1.34	0.77	14.50	3.23	2.99	0.06
11.95	1.70	1.48	1.17	14.55	3.23	3.00	0.06
12.00	1.83	1.61	1.33	14.60	3.24	3.01	0.06
12.05	2.06	1.83	**1.97**	14.65	3.25	3.01	0.06
12.10	2.28	2.06	1.75	14.70	3.25	3.02	0.06
12.15	2.36	2.13	0.72	14.75	3.26	3.03	0.06
12.20	2.44	2.21	0.66	14.80	3.26	3.03	0.06
12.25	2.50	2.27	0.50	14.85	3.27	3.04	0.05
12.30	2.55	2.32	0.47	14.90	3.28	3.04	0.05
12.35	2.59	2.36	0.37	14.95	3.28	3.05	0.05
12.40	2.63	2.40	0.36	15.00	3.29	3.05	0.05
12.45	2.67	2.44	0.35	15.05	3.29	3.06	0.05
12.50	2.71	2.48	0.32	15.10	3.30	3.07	0.05
12.55	2.74	2.51	0.23	15.15	3.30	3.07	0.05
12.60	2.76	2.53	0.22	15.20	3.31	3.08	0.05
12.65	2.79	2.56	0.21	15.25	3.31	3.08	0.05
12.70	2.81	2.58	0.21	15.30	3.32	3.09	0.05
12.75	2.83	2.60	0.19	15.35	3.32	3.09	0.05
12.80	2.85	2.62	0.19	15.40	3.33	3.10	0.05
12.85	2.87	2.64	0.17	15.45	3.34	3.10	0.05
12.90	2.89	2.66	0.17	15.50	3.34	3.11	0.05
12.95	2.91	2.68	0.15	15.55	3.35	3.11	0.04

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	3.12	0.04	18.20	3.56	3.32	0.03
15.65	3.36	3.12	0.04	18.25	3.56	3.33	0.03
15.70	3.36	3.13	0.04	18.30	3.56	3.33	0.03
15.75	3.36	3.13	0.04	18.35	3.57	3.33	0.03
15.80	3.37	3.14	0.04	18.40	3.57	3.34	0.03
15.85	3.37	3.14	0.04	18.45	3.57	3.34	0.03
15.90	3.38	3.15	0.04	18.50	3.58	3.34	0.03
15.95	3.38	3.15	0.04	18.55	3.58	3.34	0.03
16.00	3.39	3.16	0.04	18.60	3.58	3.35	0.03
16.05	3.39	3.16	0.04	18.65	3.58	3.35	0.03
16.10	3.40	3.16	0.04	18.70	3.59	3.35	0.03
16.15	3.40	3.17	0.04	18.75	3.59	3.36	0.03
16.20	3.41	3.17	0.04	18.80	3.59	3.36	0.03
16.25	3.41	3.18	0.04	18.85	3.60	3.36	0.03
16.30	3.42	3.18	0.04	18.90	3.60	3.37	0.03
16.35	3.42	3.19	0.04	18.95	3.60	3.37	0.03
16.40	3.42	3.19	0.04	19.00	3.61	3.37	0.03
16.45	3.43	3.20	0.04	19.05	3.61	3.37	0.03
16.50	3.43	3.20	0.04	19.10	3.61	3.38	0.03
16.55	3.44	3.20	0.04	19.15	3.61	3.38	0.03
16.60	3.44	3.21	0.04	19.20	3.62	3.38	0.03
16.65	3.45	3.21	0.04	19.25	3.62	3.39	0.03
16.70	3.45	3.22	0.04	19.30	3.62	3.39	0.03
16.75	3.45	3.22	0.04	19.35	3.63	3.39	0.03
16.80	3.46	3.23	0.04	19.40	3.63	3.39	0.03
16.85	3.46	3.23	0.04	19.45	3.63	3.40	0.03
16.90	3.47	3.23	0.04	19.50	3.63	3.40	0.03
16.95	3.47	3.24	0.04	19.55	3.64	3.40	0.02
17.00	3.47	3.24	0.03	19.60	3.64	3.41	0.02
17.05	3.48	3.24	0.03	19.65	3.64	3.41	0.02
17.10	3.48	3.25	0.03	19.70	3.65	3.41	0.02
17.15	3.49	3.25	0.03	19.75	3.65	3.41	0.02
17.20	3.49	3.26	0.03	19.80	3.65	3.42	0.02
17.25	3.49	3.26	0.03	19.85	3.65	3.42	0.02
17.30	3.50	3.26	0.03	19.90	3.66	3.42	0.02
17.35	3.50	3.27	0.03	19.95	3.66	3.42	0.02
17.40	3.50	3.27	0.03	20.00	3.66	3.43	0.02
17.45	3.51	3.27	0.03	20.05	3.66	3.43	0.02
17.50	3.51	3.28	0.03	20.10	3.67	3.43	0.02
17.55	3.52	3.28	0.03	20.15	3.67	3.44	0.02
17.60	3.52	3.28	0.03	20.20	3.67	3.44	0.02
17.65	3.52	3.29	0.03	20.25	3.68	3.44	0.02
17.70	3.53	3.29	0.03	20.30	3.68	3.44	0.02
17.75	3.53	3.30	0.03	20.35	3.68	3.45	0.02
17.80	3.53	3.30	0.03	20.40	3.68	3.45	0.02
17.85	3.54	3.30	0.03	20.45	3.69	3.45	0.02
17.90	3.54	3.30	0.03	20.50	3.69	3.45	0.02
17.95	3.54	3.31	0.03	20.55	3.69	3.46	0.02
18.00	3.54	3.31	0.03	20.60	3.69	3.46	0.02
18.05	3.55	3.31	0.03	20.65	3.70	3.46	0.02
18.10	3.55	3.32	0.03	20.70	3.70	3.46	0.02
18.15	3.55	3.32	0.03	20.75	3.70	3.47	0.02

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	3.47	0.02	23.40	3.82	3.59	0.02
20.85	3.71	3.47	0.02	23.45	3.83	3.59	0.02
20.90	3.71	3.47	0.02	23.50	3.83	3.59	0.02
20.95	3.71	3.48	0.02	23.55	3.83	3.60	0.02
21.00	3.71	3.48	0.02	23.60	3.83	3.60	0.02
21.05	3.72	3.48	0.02	23.65	3.84	3.60	0.02
21.10	3.72	3.49	0.02	23.70	3.84	3.60	0.02
21.15	3.72	3.49	0.02	23.75	3.84	3.60	0.02
21.20	3.72	3.49	0.02	23.80	3.84	3.61	0.02
21.25	3.73	3.49	0.02	23.85	3.84	3.61	0.02
21.30	3.73	3.50	0.02	23.90	3.85	3.61	0.02
21.35	3.73	3.50	0.02	23.95	3.85	3.61	0.02
21.40	3.73	3.50	0.02	24.00	**3.85**	**3.62**	0.02
21.45	3.74	3.50	0.02	24.05	3.85	3.62	0.00
21.50	3.74	3.50	0.02	24.10	3.85	3.62	0.00
21.55	3.74	3.51	0.02	24.15	3.85	3.62	0.00
21.60	3.74	3.51	0.02	24.20	3.85	3.62	0.00
21.65	3.75	3.51	0.02	24.25	3.85	3.62	0.00
21.70	3.75	3.51	0.02	24.30	3.85	3.62	0.00
21.75	3.75	3.52	0.02	24.35	3.85	3.62	0.00
21.80	3.75	3.52	0.02	24.40	3.85	3.62	0.00
21.85	3.76	3.52	0.02	24.45	3.85	3.62	0.00
21.90	3.76	3.52	0.02	24.50	3.85	3.62	0.00
21.95	3.76	3.53	0.02	24.55	3.85	3.62	0.00
22.00	3.76	3.53	0.02	24.60	3.85	3.62	0.00
22.05	3.77	3.53	0.02	24.65	3.85	3.62	0.00
22.10	3.77	3.53	0.02	24.70	3.85	3.62	0.00
22.15	3.77	3.54	0.02	24.75	3.85	3.62	0.00
22.20	3.77	3.54	0.02	24.80	3.85	3.62	0.00
22.25	3.77	3.54	0.02	24.85	3.85	3.62	0.00
22.30	3.78	3.54	0.02	24.90	3.85	3.62	0.00
22.35	3.78	3.54	0.02	24.95	3.85	3.62	0.00
22.40	3.78	3.55	0.02	25.00	3.85	3.62	0.00
22.45	3.78	3.55	0.02	25.05	3.85	3.62	0.00
22.50	3.79	3.55	0.02	25.10	3.85	3.62	0.00
22.55	3.79	3.55	0.02	25.15	3.85	3.62	0.00
22.60	3.79	3.56	0.02	25.20	3.85	3.62	0.00
22.65	3.79	3.56	0.02	25.25	3.85	3.62	0.00
22.70	3.79	3.56	0.02	25.30	3.85	3.62	0.00
22.75	3.80	3.56	0.02	25.35	3.85	3.62	0.00
22.80	3.80	3.56	0.02	25.40	3.85	3.62	0.00
22.85	3.80	3.57	0.02	25.45	3.85	3.62	0.00
22.90	3.80	3.57	0.02	25.50	3.85	3.62	0.00
22.95	3.81	3.57	0.02	25.55	3.85	3.62	0.00
23.00	3.81	3.57	0.02	25.60	3.85	3.62	0.00
23.05	3.81	3.58	0.02	25.65	3.85	3.62	0.00
23.10	3.81	3.58	0.02	25.70	3.85	3.62	0.00
23.15	3.81	3.58	0.02	25.75	3.85	3.62	0.00
23.20	3.82	3.58	0.02	25.80	3.85	3.62	0.00
23.25	3.82	3.58	0.02	25.85	3.85	3.62	0.00
23.30	3.82	3.59	0.02	25.90	3.85	3.62	0.00
23.35	3.82	3.59	0.02	25.95	3.85	3.62	0.00

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	3.62	0.00	28.60	3.85	3.62	0.00
26.05	3.85	3.62	0.00	28.65	3.85	3.62	0.00
26.10	3.85	3.62	0.00	28.70	3.85	3.62	0.00
26.15	3.85	3.62	0.00	28.75	3.85	3.62	0.00
26.20	3.85	3.62	0.00	28.80	3.85	3.62	0.00
26.25	3.85	3.62	0.00	28.85	3.85	3.62	0.00
26.30	3.85	3.62	0.00	28.90	3.85	3.62	0.00
26.35	3.85	3.62	0.00	28.95	3.85	3.62	0.00
26.40	3.85	3.62	0.00	29.00	3.85	3.62	0.00
26.45	3.85	3.62	0.00	29.05	3.85	3.62	0.00
26.50	3.85	3.62	0.00	29.10	3.85	3.62	0.00
26.55	3.85	3.62	0.00	29.15	3.85	3.62	0.00
26.60	3.85	3.62	0.00	29.20	3.85	3.62	0.00
26.65	3.85	3.62	0.00	29.25	3.85	3.62	0.00
26.70	3.85	3.62	0.00	29.30	3.85	3.62	0.00
26.75	3.85	3.62	0.00	29.35	3.85	3.62	0.00
26.80	3.85	3.62	0.00	29.40	3.85	3.62	0.00
26.85	3.85	3.62	0.00	29.45	3.85	3.62	0.00
26.90	3.85	3.62	0.00	29.50	3.85	3.62	0.00
26.95	3.85	3.62	0.00	29.55	3.85	3.62	0.00
27.00	3.85	3.62	0.00	29.60	3.85	3.62	0.00
27.05	3.85	3.62	0.00	29.65	3.85	3.62	0.00
27.10	3.85	3.62	0.00	29.70	3.85	3.62	0.00
27.15	3.85	3.62	0.00	29.75	3.85	3.62	0.00
27.20	3.85	3.62	0.00	29.80	3.85	3.62	0.00
27.25	3.85	3.62	0.00	29.85	3.85	3.62	0.00
27.30	3.85	3.62	0.00	29.90	3.85	3.62	0.00
27.35	3.85	3.62	0.00	29.95	3.85	3.62	0.00
27.40	3.85	3.62	0.00	30.00	3.85	3.62	0.00
27.45	3.85	3.62	0.00	30.05	3.85	3.62	0.00
27.50	3.85	3.62	0.00	30.10	3.85	3.62	0.00
27.55	3.85	3.62	0.00	30.15	3.85	3.62	0.00
27.60	3.85	3.62	0.00	30.20	3.85	3.62	0.00
27.65	3.85	3.62	0.00	30.25	3.85	3.62	0.00
27.70	3.85	3.62	0.00	30.30	3.85	3.62	0.00
27.75	3.85	3.62	0.00	30.35	3.85	3.62	0.00
27.80	3.85	3.62	0.00	30.40	3.85	3.62	0.00
27.85	3.85	3.62	0.00	30.45	3.85	3.62	0.00
27.90	3.85	3.62	0.00	30.50	3.85	3.62	0.00
27.95	3.85	3.62	0.00	30.55	3.85	3.62	0.00
28.00	3.85	3.62	0.00	30.60	3.85	3.62	0.00
28.05	3.85	3.62	0.00	30.65	3.85	3.62	0.00
28.10	3.85	3.62	0.00	30.70	3.85	3.62	0.00
28.15	3.85	3.62	0.00	30.75	3.85	3.62	0.00
28.20	3.85	3.62	0.00	30.80	3.85	3.62	0.00
28.25	3.85	3.62	0.00	30.85	3.85	3.62	0.00
28.30	3.85	3.62	0.00	30.90	3.85	3.62	0.00
28.35	3.85	3.62	0.00	30.95	3.85	3.62	0.00
28.40	3.85	3.62	0.00	31.00	3.85	3.62	0.00
28.45	3.85	3.62	0.00	31.05	3.85	3.62	0.00
28.50	3.85	3.62	0.00	31.10	3.85	3.62	0.00
28.55	3.85	3.62	0.00	31.15	3.85	3.62	0.00

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	3.62	0.00	33.80	3.85	3.62	0.00
31.25	3.85	3.62	0.00	33.85	3.85	3.62	0.00
31.30	3.85	3.62	0.00	33.90	3.85	3.62	0.00
31.35	3.85	3.62	0.00	33.95	3.85	3.62	0.00
31.40	3.85	3.62	0.00	34.00	3.85	3.62	0.00
31.45	3.85	3.62	0.00	34.05	3.85	3.62	0.00
31.50	3.85	3.62	0.00	34.10	3.85	3.62	0.00
31.55	3.85	3.62	0.00	34.15	3.85	3.62	0.00
31.60	3.85	3.62	0.00	34.20	3.85	3.62	0.00
31.65	3.85	3.62	0.00	34.25	3.85	3.62	0.00
31.70	3.85	3.62	0.00	34.30	3.85	3.62	0.00
31.75	3.85	3.62	0.00	34.35	3.85	3.62	0.00
31.80	3.85	3.62	0.00	34.40	3.85	3.62	0.00
31.85	3.85	3.62	0.00	34.45	3.85	3.62	0.00
31.90	3.85	3.62	0.00	34.50	3.85	3.62	0.00
31.95	3.85	3.62	0.00	34.55	3.85	3.62	0.00
32.00	3.85	3.62	0.00	34.60	3.85	3.62	0.00
32.05	3.85	3.62	0.00	34.65	3.85	3.62	0.00
32.10	3.85	3.62	0.00	34.70	3.85	3.62	0.00
32.15	3.85	3.62	0.00	34.75	3.85	3.62	0.00
32.20	3.85	3.62	0.00	34.80	3.85	3.62	0.00
32.25	3.85	3.62	0.00	34.85	3.85	3.62	0.00
32.30	3.85	3.62	0.00	34.90	3.85	3.62	0.00
32.35	3.85	3.62	0.00	34.95	3.85	3.62	0.00
32.40	3.85	3.62	0.00	35.00	3.85	3.62	0.00
32.45	3.85	3.62	0.00	35.05	3.85	3.62	0.00
32.50	3.85	3.62	0.00	35.10	3.85	3.62	0.00
32.55	3.85	3.62	0.00	35.15	3.85	3.62	0.00
32.60	3.85	3.62	0.00	35.20	3.85	3.62	0.00
32.65	3.85	3.62	0.00	35.25	3.85	3.62	0.00
32.70	3.85	3.62	0.00	35.30	3.85	3.62	0.00
32.75	3.85	3.62	0.00	35.35	3.85	3.62	0.00
32.80	3.85	3.62	0.00	35.40	3.85	3.62	0.00
32.85	3.85	3.62	0.00	35.45	3.85	3.62	0.00
32.90	3.85	3.62	0.00	35.50	3.85	3.62	0.00
32.95	3.85	3.62	0.00	35.55	3.85	3.62	0.00
33.00	3.85	3.62	0.00	35.60	3.85	3.62	0.00
33.05	3.85	3.62	0.00	35.65	3.85	3.62	0.00
33.10	3.85	3.62	0.00	35.70	3.85	3.62	0.00
33.15	3.85	3.62	0.00	35.75	3.85	3.62	0.00
33.20	3.85	3.62	0.00	35.80	3.85	3.62	0.00
33.25	3.85	3.62	0.00	35.85	3.85	3.62	0.00
33.30	3.85	3.62	0.00	35.90	3.85	3.62	0.00
33.35	3.85	3.62	0.00	35.95	3.85	3.62	0.00
33.40	3.85	3.62	0.00	36.00	3.85	3.62	0.00
33.45	3.85	3.62	0.00	36.05	3.85	3.62	0.00
33.50	3.85	3.62	0.00	36.10	3.85	3.62	0.00
33.55	3.85	3.62	0.00	36.15	3.85	3.62	0.00
33.60	3.85	3.62	0.00	36.20	3.85	3.62	0.00
33.65	3.85	3.62	0.00	36.25	3.85	3.62	0.00
33.70	3.85	3.62	0.00	36.30	3.85	3.62	0.00
33.75	3.85	3.62	0.00	36.35	3.85	3.62	0.00

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	3.62	0.00
36.45	3.85	3.62	0.00
36.50	3.85	3.62	0.00
36.55	3.85	3.62	0.00
36.60	3.85	3.62	0.00
36.65	3.85	3.62	0.00
36.70	3.85	3.62	0.00
36.75	3.85	3.62	0.00
36.80	3.85	3.62	0.00
36.85	3.85	3.62	0.00
36.90	3.85	3.62	0.00
36.95	3.85	3.62	0.00
37.00	3.85	3.62	0.00
37.05	3.85	3.62	0.00
37.10	3.85	3.62	0.00
37.15	3.85	3.62	0.00
37.20	3.85	3.62	0.00
37.25	3.85	3.62	0.00
37.30	3.85	3.62	0.00
37.35	3.85	3.62	0.00
37.40	3.85	3.62	0.00
37.45	3.85	3.62	0.00
37.50	3.85	3.62	0.00
37.55	3.85	3.62	0.00
37.60	3.85	3.62	0.00
37.65	3.85	3.62	0.00
37.70	3.85	3.62	0.00
37.75	3.85	3.62	0.00
37.80	3.85	3.62	0.00
37.85	3.85	3.62	0.00
37.90	3.85	3.62	0.00
37.95	3.85	3.62	0.00
38.00	3.85	3.62	0.00
38.05	3.85	3.62	0.00
38.10	3.85	3.62	0.00
38.15	3.85	3.62	0.00
38.20	3.85	3.62	0.00
38.25	3.85	3.62	0.00
38.30	3.85	3.62	0.00
38.35	3.85	3.62	0.00
38.40	3.85	3.62	0.00
38.45	3.85	3.62	0.00
38.50	3.85	3.62	0.00
38.55	3.85	3.62	0.00
38.60	3.85	3.62	0.00
38.65	3.85	3.62	0.00
38.70	3.85	3.62	0.00
38.75	3.85	3.62	0.00
38.80	3.85	3.62	0.00
38.85	3.85	3.62	0.00
38.90	3.85	3.62	0.00
38.95	3.85	3.62	0.00
39.00	3.85	3.62	0.00
39.05	3.85	3.62	0.00
39.10	3.85	3.62	0.00
39.15	3.85	3.62	0.00
39.20	3.85	3.62	0.00
39.25	3.85	3.62	0.00
39.30	3.85	3.62	0.00
39.35	3.85	3.62	0.00
39.40	3.85	3.62	0.00
39.45	3.85	3.62	0.00
39.50	3.85	3.62	0.00
39.55	3.85	3.62	0.00
39.60	3.85	3.62	0.00
39.65	3.85	3.62	0.00
39.70	3.85	3.62	0.00
39.75	3.85	3.62	0.00
39.80	3.85	3.62	0.00
39.85	3.85	3.62	0.00
39.90	3.85	3.62	0.00
39.95	3.85	3.62	0.00
40.00	3.85	3.62	0.00

Summary for Subcatchment 58P: PDA-58 (pervious)

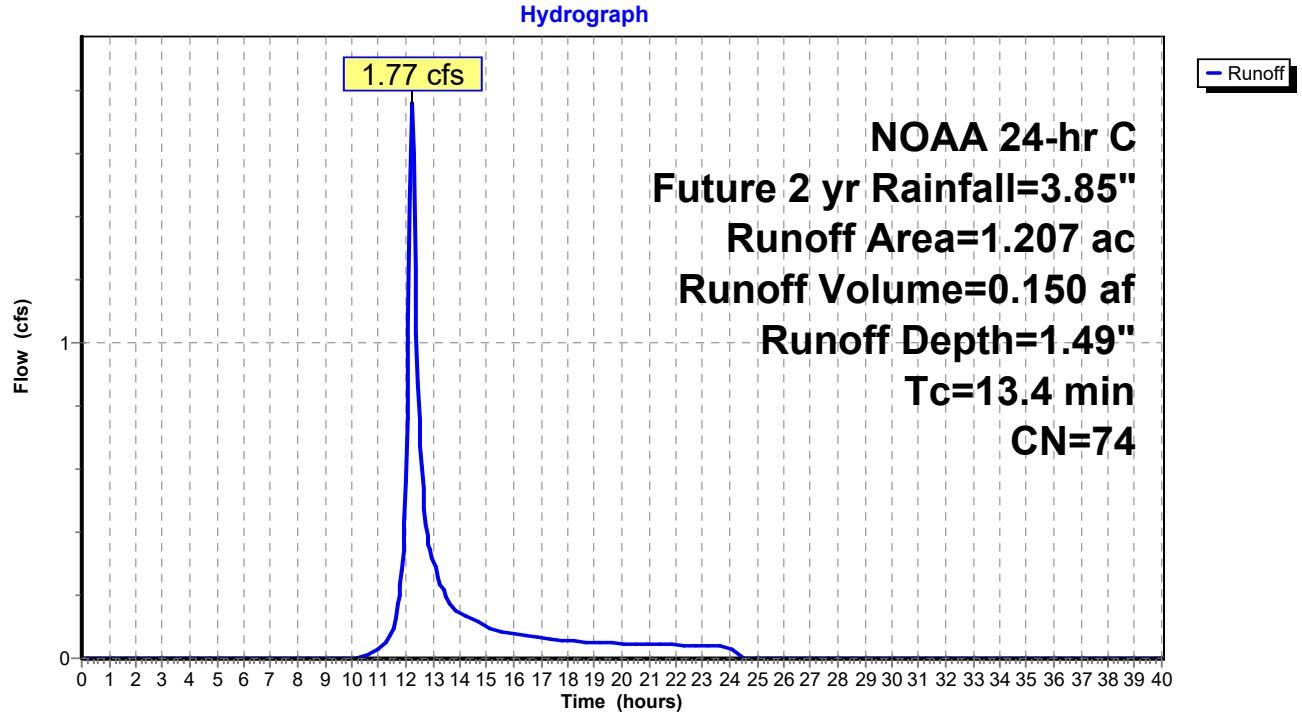
Runoff = 1.77 cfs @ 12.22 hrs, Volume= 0.150 af, Depth= 1.49"
Routed to Pond B-58 : Basin #58

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
1.207	74	>75% Grass cover, Good, HSG C
1.207		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
13.4					**Direct Entry,**

Subcatchment 58P: PDA-58 (pervious)



Hydrograph for Subcatchment 58P: PDA-58 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.00
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.00

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.00	13.00	2.93	0.86	0.31
10.45	0.78	0.00	0.01	13.05	2.94	0.87	0.29
10.50	0.79	0.00	0.01	13.10	2.96	0.88	0.28
10.55	0.80	0.00	0.01	13.15	2.97	0.89	0.26
10.60	0.82	0.00	0.01	13.20	2.98	0.90	0.25
10.65	0.83	0.00	0.01	13.25	3.00	0.91	0.24
10.70	0.84	0.01	0.01	13.30	3.01	0.92	0.23
10.75	0.85	0.01	0.01	13.35	3.02	0.92	0.22
10.80	0.87	0.01	0.02	13.40	3.03	0.93	0.21
10.85	0.88	0.01	0.02	13.45	3.05	0.94	0.20
10.90	0.89	0.01	0.02	13.50	3.06	0.94	0.19
10.95	0.91	0.01	0.03	13.55	3.07	0.95	0.19
11.00	0.92	0.01	0.03	13.60	3.08	0.96	0.18
11.05	0.94	0.02	0.03	13.65	3.09	0.96	0.17
11.10	0.96	0.02	0.04	13.70	3.09	0.97	0.16
11.15	0.98	0.02	0.04	13.75	3.10	0.97	0.16
11.20	1.00	0.02	0.05	13.80	3.11	0.98	0.15
11.25	1.02	0.03	0.05	13.85	3.12	0.99	0.15
11.30	1.04	0.03	0.06	13.90	3.13	0.99	0.15
11.35	1.06	0.03	0.07	13.95	3.14	1.00	0.14
11.40	1.09	0.04	0.07	14.00	3.15	1.00	0.14
11.45	1.11	0.04	0.08	14.05	3.16	1.01	0.14
11.50	1.14	0.05	0.09	14.10	3.16	1.01	0.14
11.55	1.18	0.06	0.10	14.15	3.17	1.02	0.14
11.60	1.22	0.07	0.12	14.20	3.18	1.02	0.13
11.65	1.26	0.08	0.14	14.25	3.19	1.03	0.13
11.70	1.30	0.09	0.17	14.30	3.20	1.03	0.13
11.75	1.35	0.10	0.20	14.35	3.20	1.04	0.13
11.80	1.41	0.12	0.23	14.40	3.21	1.04	0.13
11.85	1.49	0.14	0.28	14.45	3.22	1.05	0.12
11.90	1.57	0.17	0.34	14.50	3.23	1.05	0.12
11.95	1.70	0.22	0.43	14.55	3.23	1.06	0.12
12.00	1.83	0.28	0.56	14.60	3.24	1.06	0.12
12.05	2.06	0.38	0.76	14.65	3.25	1.07	0.11
12.10	2.28	0.49	1.06	14.70	3.25	1.07	0.11
12.15	2.36	0.53	1.46	14.75	3.26	1.08	0.11
12.20	2.44	0.57	**1.74**	14.80	3.26	1.08	0.11
12.25	2.50	0.61	1.72	14.85	3.27	1.08	0.11
12.30	2.55	0.64	1.50	14.90	3.28	1.09	0.10
12.35	2.59	0.66	1.24	14.95	3.28	1.09	0.10
12.40	2.63	0.69	1.03	15.00	3.29	1.10	0.10
12.45	2.67	0.71	0.88	15.05	3.29	1.10	0.10
12.50	2.71	0.73	0.76	15.10	3.30	1.10	0.09
12.55	2.74	0.75	0.67	15.15	3.30	1.11	0.09
12.60	2.76	0.76	0.61	15.20	3.31	1.11	0.09
12.65	2.79	0.78	0.54	15.25	3.31	1.11	0.09
12.70	2.81	0.79	0.47	15.30	3.32	1.12	0.09
12.75	2.83	0.80	0.42	15.35	3.32	1.12	0.09
12.80	2.85	0.82	0.39	15.40	3.33	1.12	0.09
12.85	2.87	0.83	0.36	15.45	3.34	1.13	0.09
12.90	2.89	0.84	0.34	15.50	3.34	1.13	0.09
12.95	2.91	0.85	0.33	15.55	3.35	1.13	0.08

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	1.14	0.08	18.20	3.56	1.28	0.05
15.65	3.36	1.14	0.08	18.25	3.56	1.28	0.05
15.70	3.36	1.14	0.08	18.30	3.56	1.28	0.05
15.75	3.36	1.15	0.08	18.35	3.57	1.29	0.05
15.80	3.37	1.15	0.08	18.40	3.57	1.29	0.05
15.85	3.37	1.15	0.08	18.45	3.57	1.29	0.05
15.90	3.38	1.16	0.08	18.50	3.58	1.29	0.05
15.95	3.38	1.16	0.08	18.55	3.58	1.29	0.05
16.00	3.39	1.16	0.08	18.60	3.58	1.30	0.05
16.05	3.39	1.17	0.08	18.65	3.58	1.30	0.05
16.10	3.40	1.17	0.08	18.70	3.59	1.30	0.05
16.15	3.40	1.17	0.08	18.75	3.59	1.30	0.05
16.20	3.41	1.18	0.08	18.80	3.59	1.30	0.05
16.25	3.41	1.18	0.08	18.85	3.60	1.31	0.05
16.30	3.42	1.18	0.08	18.90	3.60	1.31	0.05
16.35	3.42	1.19	0.08	18.95	3.60	1.31	0.05
16.40	3.42	1.19	0.07	19.00	3.61	1.31	0.05
16.45	3.43	1.19	0.07	19.05	3.61	1.32	0.05
16.50	3.43	1.19	0.07	19.10	3.61	1.32	0.05
16.55	3.44	1.20	0.07	19.15	3.61	1.32	0.05
16.60	3.44	1.20	0.07	19.20	3.62	1.32	0.05
16.65	3.45	1.20	0.07	19.25	3.62	1.32	0.05
16.70	3.45	1.21	0.07	19.30	3.62	1.33	0.05
16.75	3.45	1.21	0.07	19.35	3.63	1.33	0.05
16.80	3.46	1.21	0.07	19.40	3.63	1.33	0.05
16.85	3.46	1.21	0.07	19.45	3.63	1.33	0.05
16.90	3.47	1.22	0.07	19.50	3.63	1.33	0.05
16.95	3.47	1.22	0.07	19.55	3.64	1.34	0.05
17.00	3.47	1.22	0.07	19.60	3.64	1.34	0.05
17.05	3.48	1.22	0.07	19.65	3.64	1.34	0.05
17.10	3.48	1.23	0.07	19.70	3.65	1.34	0.05
17.15	3.49	1.23	0.07	19.75	3.65	1.34	0.05
17.20	3.49	1.23	0.07	19.80	3.65	1.34	0.05
17.25	3.49	1.24	0.06	19.85	3.65	1.35	0.05
17.30	3.50	1.24	0.06	19.90	3.66	1.35	0.05
17.35	3.50	1.24	0.06	19.95	3.66	1.35	0.05
17.40	3.50	1.24	0.06	20.00	3.66	1.35	0.05
17.45	3.51	1.25	0.06	20.05	3.66	1.35	0.05
17.50	3.51	1.25	0.06	20.10	3.67	1.36	0.05
17.55	3.52	1.25	0.06	20.15	3.67	1.36	0.05
17.60	3.52	1.25	0.06	20.20	3.67	1.36	0.05
17.65	3.52	1.26	0.06	20.25	3.68	1.36	0.05
17.70	3.53	1.26	0.06	20.30	3.68	1.36	0.05
17.75	3.53	1.26	0.06	20.35	3.68	1.37	0.05
17.80	3.53	1.26	0.06	20.40	3.68	1.37	0.05
17.85	3.54	1.26	0.06	20.45	3.69	1.37	0.05
17.90	3.54	1.27	0.06	20.50	3.69	1.37	0.05
17.95	3.54	1.27	0.06	20.55	3.69	1.37	0.05
18.00	3.54	1.27	0.06	20.60	3.69	1.38	0.05
18.05	3.55	1.27	0.06	20.65	3.70	1.38	0.05
18.10	3.55	1.28	0.05	20.70	3.70	1.38	0.05
18.15	3.55	1.28	0.05	20.75	3.70	1.38	0.05

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	1.38	0.05	23.40	3.82	1.47	0.04
20.85	3.71	1.38	0.04	23.45	3.83	1.47	0.04
20.90	3.71	1.39	0.04	23.50	3.83	1.47	0.04
20.95	3.71	1.39	0.04	23.55	3.83	1.47	0.04
21.00	3.71	1.39	0.04	23.60	3.83	1.47	0.04
21.05	3.72	1.39	0.04	23.65	3.84	1.48	0.04
21.10	3.72	1.39	0.04	23.70	3.84	1.48	0.04
21.15	3.72	1.40	0.04	23.75	3.84	1.48	0.04
21.20	3.72	1.40	0.04	23.80	3.84	1.48	0.04
21.25	3.73	1.40	0.04	23.85	3.84	1.48	0.04
21.30	3.73	1.40	0.04	23.90	3.85	1.48	0.04
21.35	3.73	1.40	0.04	23.95	3.85	1.49	0.04
21.40	3.73	1.40	0.04	24.00	**3.85**	**1.49**	0.04
21.45	3.74	1.41	0.04	24.05	3.85	1.49	0.04
21.50	3.74	1.41	0.04	24.10	3.85	1.49	0.04
21.55	3.74	1.41	0.04	24.15	3.85	1.49	0.03
21.60	3.74	1.41	0.04	24.20	3.85	1.49	0.02
21.65	3.75	1.41	0.04	24.25	3.85	1.49	0.01
21.70	3.75	1.41	0.04	24.30	3.85	1.49	0.01
21.75	3.75	1.42	0.04	24.35	3.85	1.49	0.00
21.80	3.75	1.42	0.04	24.40	3.85	1.49	0.00
21.85	3.76	1.42	0.04	24.45	3.85	1.49	0.00
21.90	3.76	1.42	0.04	24.50	3.85	1.49	0.00
21.95	3.76	1.42	0.04	24.55	3.85	1.49	0.00
22.00	3.76	1.42	0.04	24.60	3.85	1.49	0.00
22.05	3.77	1.43	0.04	24.65	3.85	1.49	0.00
22.10	3.77	1.43	0.04	24.70	3.85	1.49	0.00
22.15	3.77	1.43	0.04	24.75	3.85	1.49	0.00
22.20	3.77	1.43	0.04	24.80	3.85	1.49	0.00
22.25	3.77	1.43	0.04	24.85	3.85	1.49	0.00
22.30	3.78	1.43	0.04	24.90	3.85	1.49	0.00
22.35	3.78	1.44	0.04	24.95	3.85	1.49	0.00
22.40	3.78	1.44	0.04	25.00	3.85	1.49	0.00
22.45	3.78	1.44	0.04	25.05	3.85	1.49	0.00
22.50	3.79	1.44	0.04	25.10	3.85	1.49	0.00
22.55	3.79	1.44	0.04	25.15	3.85	1.49	0.00
22.60	3.79	1.44	0.04	25.20	3.85	1.49	0.00
22.65	3.79	1.45	0.04	25.25	3.85	1.49	0.00
22.70	3.79	1.45	0.04	25.30	3.85	1.49	0.00
22.75	3.80	1.45	0.04	25.35	3.85	1.49	0.00
22.80	3.80	1.45	0.04	25.40	3.85	1.49	0.00
22.85	3.80	1.45	0.04	25.45	3.85	1.49	0.00
22.90	3.80	1.45	0.04	25.50	3.85	1.49	0.00
22.95	3.81	1.46	0.04	25.55	3.85	1.49	0.00
23.00	3.81	1.46	0.04	25.60	3.85	1.49	0.00
23.05	3.81	1.46	0.04	25.65	3.85	1.49	0.00
23.10	3.81	1.46	0.04	25.70	3.85	1.49	0.00
23.15	3.81	1.46	0.04	25.75	3.85	1.49	0.00
23.20	3.82	1.46	0.04	25.80	3.85	1.49	0.00
23.25	3.82	1.46	0.04	25.85	3.85	1.49	0.00
23.30	3.82	1.47	0.04	25.90	3.85	1.49	0.00
23.35	3.82	1.47	0.04	25.95	3.85	1.49	0.00

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	1.49	0.00	28.60	3.85	1.49	0.00
26.05	3.85	1.49	0.00	28.65	3.85	1.49	0.00
26.10	3.85	1.49	0.00	28.70	3.85	1.49	0.00
26.15	3.85	1.49	0.00	28.75	3.85	1.49	0.00
26.20	3.85	1.49	0.00	28.80	3.85	1.49	0.00
26.25	3.85	1.49	0.00	28.85	3.85	1.49	0.00
26.30	3.85	1.49	0.00	28.90	3.85	1.49	0.00
26.35	3.85	1.49	0.00	28.95	3.85	1.49	0.00
26.40	3.85	1.49	0.00	29.00	3.85	1.49	0.00
26.45	3.85	1.49	0.00	29.05	3.85	1.49	0.00
26.50	3.85	1.49	0.00	29.10	3.85	1.49	0.00
26.55	3.85	1.49	0.00	29.15	3.85	1.49	0.00
26.60	3.85	1.49	0.00	29.20	3.85	1.49	0.00
26.65	3.85	1.49	0.00	29.25	3.85	1.49	0.00
26.70	3.85	1.49	0.00	29.30	3.85	1.49	0.00
26.75	3.85	1.49	0.00	29.35	3.85	1.49	0.00
26.80	3.85	1.49	0.00	29.40	3.85	1.49	0.00
26.85	3.85	1.49	0.00	29.45	3.85	1.49	0.00
26.90	3.85	1.49	0.00	29.50	3.85	1.49	0.00
26.95	3.85	1.49	0.00	29.55	3.85	1.49	0.00
27.00	3.85	1.49	0.00	29.60	3.85	1.49	0.00
27.05	3.85	1.49	0.00	29.65	3.85	1.49	0.00
27.10	3.85	1.49	0.00	29.70	3.85	1.49	0.00
27.15	3.85	1.49	0.00	29.75	3.85	1.49	0.00
27.20	3.85	1.49	0.00	29.80	3.85	1.49	0.00
27.25	3.85	1.49	0.00	29.85	3.85	1.49	0.00
27.30	3.85	1.49	0.00	29.90	3.85	1.49	0.00
27.35	3.85	1.49	0.00	29.95	3.85	1.49	0.00
27.40	3.85	1.49	0.00	30.00	3.85	1.49	0.00
27.45	3.85	1.49	0.00	30.05	3.85	1.49	0.00
27.50	3.85	1.49	0.00	30.10	3.85	1.49	0.00
27.55	3.85	1.49	0.00	30.15	3.85	1.49	0.00
27.60	3.85	1.49	0.00	30.20	3.85	1.49	0.00
27.65	3.85	1.49	0.00	30.25	3.85	1.49	0.00
27.70	3.85	1.49	0.00	30.30	3.85	1.49	0.00
27.75	3.85	1.49	0.00	30.35	3.85	1.49	0.00
27.80	3.85	1.49	0.00	30.40	3.85	1.49	0.00
27.85	3.85	1.49	0.00	30.45	3.85	1.49	0.00
27.90	3.85	1.49	0.00	30.50	3.85	1.49	0.00
27.95	3.85	1.49	0.00	30.55	3.85	1.49	0.00
28.00	3.85	1.49	0.00	30.60	3.85	1.49	0.00
28.05	3.85	1.49	0.00	30.65	3.85	1.49	0.00
28.10	3.85	1.49	0.00	30.70	3.85	1.49	0.00
28.15	3.85	1.49	0.00	30.75	3.85	1.49	0.00
28.20	3.85	1.49	0.00	30.80	3.85	1.49	0.00
28.25	3.85	1.49	0.00	30.85	3.85	1.49	0.00
28.30	3.85	1.49	0.00	30.90	3.85	1.49	0.00
28.35	3.85	1.49	0.00	30.95	3.85	1.49	0.00
28.40	3.85	1.49	0.00	31.00	3.85	1.49	0.00
28.45	3.85	1.49	0.00	31.05	3.85	1.49	0.00
28.50	3.85	1.49	0.00	31.10	3.85	1.49	0.00
28.55	3.85	1.49	0.00	31.15	3.85	1.49	0.00

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	1.49	0.00	33.80	3.85	1.49	0.00
31.25	3.85	1.49	0.00	33.85	3.85	1.49	0.00
31.30	3.85	1.49	0.00	33.90	3.85	1.49	0.00
31.35	3.85	1.49	0.00	33.95	3.85	1.49	0.00
31.40	3.85	1.49	0.00	34.00	3.85	1.49	0.00
31.45	3.85	1.49	0.00	34.05	3.85	1.49	0.00
31.50	3.85	1.49	0.00	34.10	3.85	1.49	0.00
31.55	3.85	1.49	0.00	34.15	3.85	1.49	0.00
31.60	3.85	1.49	0.00	34.20	3.85	1.49	0.00
31.65	3.85	1.49	0.00	34.25	3.85	1.49	0.00
31.70	3.85	1.49	0.00	34.30	3.85	1.49	0.00
31.75	3.85	1.49	0.00	34.35	3.85	1.49	0.00
31.80	3.85	1.49	0.00	34.40	3.85	1.49	0.00
31.85	3.85	1.49	0.00	34.45	3.85	1.49	0.00
31.90	3.85	1.49	0.00	34.50	3.85	1.49	0.00
31.95	3.85	1.49	0.00	34.55	3.85	1.49	0.00
32.00	3.85	1.49	0.00	34.60	3.85	1.49	0.00
32.05	3.85	1.49	0.00	34.65	3.85	1.49	0.00
32.10	3.85	1.49	0.00	34.70	3.85	1.49	0.00
32.15	3.85	1.49	0.00	34.75	3.85	1.49	0.00
32.20	3.85	1.49	0.00	34.80	3.85	1.49	0.00
32.25	3.85	1.49	0.00	34.85	3.85	1.49	0.00
32.30	3.85	1.49	0.00	34.90	3.85	1.49	0.00
32.35	3.85	1.49	0.00	34.95	3.85	1.49	0.00
32.40	3.85	1.49	0.00	35.00	3.85	1.49	0.00
32.45	3.85	1.49	0.00	35.05	3.85	1.49	0.00
32.50	3.85	1.49	0.00	35.10	3.85	1.49	0.00
32.55	3.85	1.49	0.00	35.15	3.85	1.49	0.00
32.60	3.85	1.49	0.00	35.20	3.85	1.49	0.00
32.65	3.85	1.49	0.00	35.25	3.85	1.49	0.00
32.70	3.85	1.49	0.00	35.30	3.85	1.49	0.00
32.75	3.85	1.49	0.00	35.35	3.85	1.49	0.00
32.80	3.85	1.49	0.00	35.40	3.85	1.49	0.00
32.85	3.85	1.49	0.00	35.45	3.85	1.49	0.00
32.90	3.85	1.49	0.00	35.50	3.85	1.49	0.00
32.95	3.85	1.49	0.00	35.55	3.85	1.49	0.00
33.00	3.85	1.49	0.00	35.60	3.85	1.49	0.00
33.05	3.85	1.49	0.00	35.65	3.85	1.49	0.00
33.10	3.85	1.49	0.00	35.70	3.85	1.49	0.00
33.15	3.85	1.49	0.00	35.75	3.85	1.49	0.00
33.20	3.85	1.49	0.00	35.80	3.85	1.49	0.00
33.25	3.85	1.49	0.00	35.85	3.85	1.49	0.00
33.30	3.85	1.49	0.00	35.90	3.85	1.49	0.00
33.35	3.85	1.49	0.00	35.95	3.85	1.49	0.00
33.40	3.85	1.49	0.00	36.00	3.85	1.49	0.00
33.45	3.85	1.49	0.00	36.05	3.85	1.49	0.00
33.50	3.85	1.49	0.00	36.10	3.85	1.49	0.00
33.55	3.85	1.49	0.00	36.15	3.85	1.49	0.00
33.60	3.85	1.49	0.00	36.20	3.85	1.49	0.00
33.65	3.85	1.49	0.00	36.25	3.85	1.49	0.00
33.70	3.85	1.49	0.00	36.30	3.85	1.49	0.00
33.75	3.85	1.49	0.00	36.35	3.85	1.49	0.00

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	1.49	0.00
36.45	3.85	1.49	0.00
36.50	3.85	1.49	0.00
36.55	3.85	1.49	0.00
36.60	3.85	1.49	0.00
36.65	3.85	1.49	0.00
36.70	3.85	1.49	0.00
36.75	3.85	1.49	0.00
36.80	3.85	1.49	0.00
36.85	3.85	1.49	0.00
36.90	3.85	1.49	0.00
36.95	3.85	1.49	0.00
37.00	3.85	1.49	0.00
37.05	3.85	1.49	0.00
37.10	3.85	1.49	0.00
37.15	3.85	1.49	0.00
37.20	3.85	1.49	0.00
37.25	3.85	1.49	0.00
37.30	3.85	1.49	0.00
37.35	3.85	1.49	0.00
37.40	3.85	1.49	0.00
37.45	3.85	1.49	0.00
37.50	3.85	1.49	0.00
37.55	3.85	1.49	0.00
37.60	3.85	1.49	0.00
37.65	3.85	1.49	0.00
37.70	3.85	1.49	0.00
37.75	3.85	1.49	0.00
37.80	3.85	1.49	0.00
37.85	3.85	1.49	0.00
37.90	3.85	1.49	0.00
37.95	3.85	1.49	0.00
38.00	3.85	1.49	0.00
38.05	3.85	1.49	0.00
38.10	3.85	1.49	0.00
38.15	3.85	1.49	0.00
38.20	3.85	1.49	0.00
38.25	3.85	1.49	0.00
38.30	3.85	1.49	0.00
38.35	3.85	1.49	0.00
38.40	3.85	1.49	0.00
38.45	3.85	1.49	0.00
38.50	3.85	1.49	0.00
38.55	3.85	1.49	0.00
38.60	3.85	1.49	0.00
38.65	3.85	1.49	0.00
38.70	3.85	1.49	0.00
38.75	3.85	1.49	0.00
38.80	3.85	1.49	0.00
38.85	3.85	1.49	0.00
38.90	3.85	1.49	0.00
38.95	3.85	1.49	0.00
39.00	3.85	1.49	0.00
39.05	3.85	1.49	0.00
39.10	3.85	1.49	0.00
39.15	3.85	1.49	0.00
39.20	3.85	1.49	0.00
39.25	3.85	1.49	0.00
39.30	3.85	1.49	0.00
39.35	3.85	1.49	0.00
39.40	3.85	1.49	0.00
39.45	3.85	1.49	0.00
39.50	3.85	1.49	0.00
39.55	3.85	1.49	0.00
39.60	3.85	1.49	0.00
39.65	3.85	1.49	0.00
39.70	3.85	1.49	0.00
39.75	3.85	1.49	0.00
39.80	3.85	1.49	0.00
39.85	3.85	1.49	0.00
39.90	3.85	1.49	0.00
39.95	3.85	1.49	0.00
40.00	3.85	1.49	0.00

Summary for Subcatchment UPDA-6: PDA-6 (undetained)

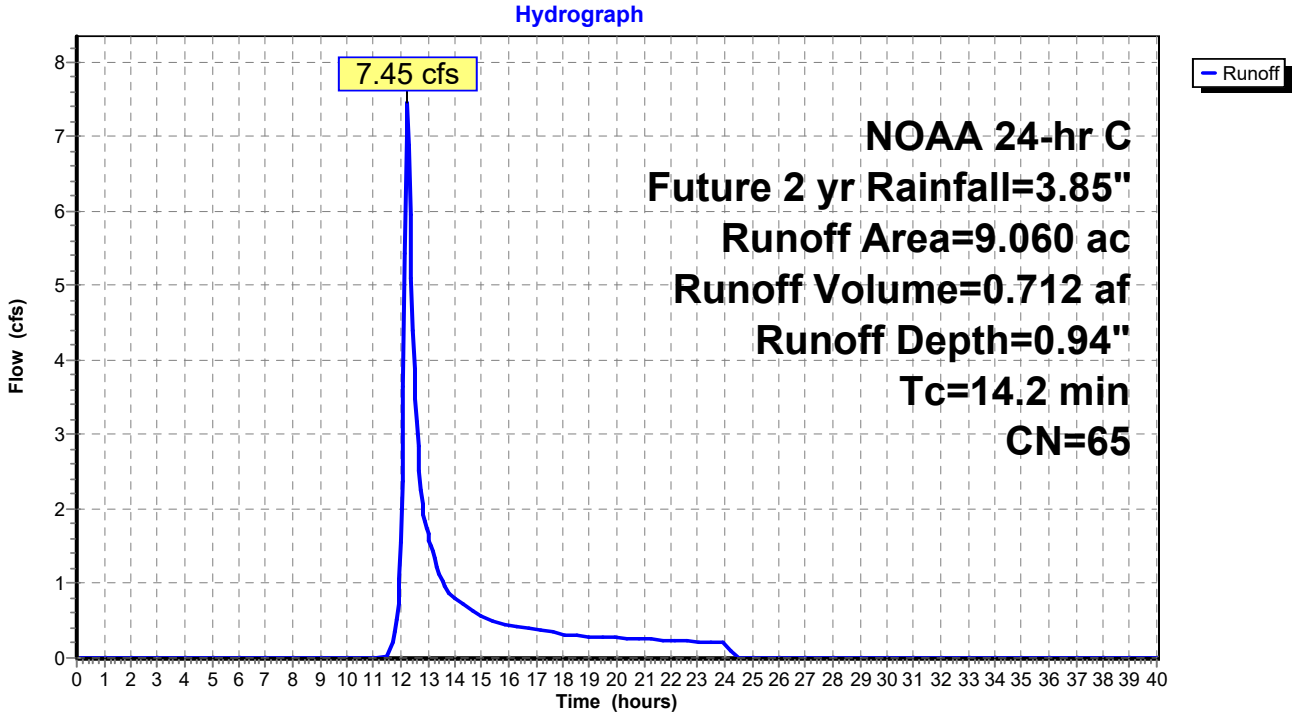
Runoff = 7.45 cfs @ 12.25 hrs, Volume= 0.712 af, Depth= 0.94"
Routed to Link PDA-6ON : Proposed Onsite Drainage Area #6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 2 yr Rainfall=3.85"

Area (ac)	CN	Description
2.520	74	>75% Grass cover, Good, HSG C
3.924	55	Woods, Good, HSG B
2.289	70	Woods, Good, HSG C
0.327	77	Woods, Good, HSG D
9.060	65	Weighted Average
9.060		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.2					**Direct Entry,**

Subcatchment UPDA-6: PDA-6 (undetained)



Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.12	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.12	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.12	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.12	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.13	0.00	0.00
0.25	0.01	0.00	0.00	2.85	0.13	0.00	0.00
0.30	0.01	0.00	0.00	2.90	0.13	0.00	0.00
0.35	0.01	0.00	0.00	2.95	0.13	0.00	0.00
0.40	0.02	0.00	0.00	3.00	0.14	0.00	0.00
0.45	0.02	0.00	0.00	3.05	0.14	0.00	0.00
0.50	0.02	0.00	0.00	3.10	0.14	0.00	0.00
0.55	0.02	0.00	0.00	3.15	0.14	0.00	0.00
0.60	0.03	0.00	0.00	3.20	0.15	0.00	0.00
0.65	0.03	0.00	0.00	3.25	0.15	0.00	0.00
0.70	0.03	0.00	0.00	3.30	0.15	0.00	0.00
0.75	0.03	0.00	0.00	3.35	0.15	0.00	0.00
0.80	0.03	0.00	0.00	3.40	0.16	0.00	0.00
0.85	0.04	0.00	0.00	3.45	0.16	0.00	0.00
0.90	0.04	0.00	0.00	3.50	0.16	0.00	0.00
0.95	0.04	0.00	0.00	3.55	0.16	0.00	0.00
1.00	0.04	0.00	0.00	3.60	0.17	0.00	0.00
1.05	0.04	0.00	0.00	3.65	0.17	0.00	0.00
1.10	0.05	0.00	0.00	3.70	0.17	0.00	0.00
1.15	0.05	0.00	0.00	3.75	0.17	0.00	0.00
1.20	0.05	0.00	0.00	3.80	0.18	0.00	0.00
1.25	0.05	0.00	0.00	3.85	0.18	0.00	0.00
1.30	0.06	0.00	0.00	3.90	0.18	0.00	0.00
1.35	0.06	0.00	0.00	3.95	0.19	0.00	0.00
1.40	0.06	0.00	0.00	4.00	0.19	0.00	0.00
1.45	0.06	0.00	0.00	4.05	0.19	0.00	0.00
1.50	0.06	0.00	0.00	4.10	0.19	0.00	0.00
1.55	0.07	0.00	0.00	4.15	0.20	0.00	0.00
1.60	0.07	0.00	0.00	4.20	0.20	0.00	0.00
1.65	0.07	0.00	0.00	4.25	0.20	0.00	0.00
1.70	0.07	0.00	0.00	4.30	0.20	0.00	0.00
1.75	0.08	0.00	0.00	4.35	0.21	0.00	0.00
1.80	0.08	0.00	0.00	4.40	0.21	0.00	0.00
1.85	0.08	0.00	0.00	4.45	0.21	0.00	0.00
1.90	0.08	0.00	0.00	4.50	0.22	0.00	0.00
1.95	0.08	0.00	0.00	4.55	0.22	0.00	0.00
2.00	0.09	0.00	0.00	4.60	0.22	0.00	0.00
2.05	0.09	0.00	0.00	4.65	0.22	0.00	0.00
2.10	0.09	0.00	0.00	4.70	0.23	0.00	0.00
2.15	0.09	0.00	0.00	4.75	0.23	0.00	0.00
2.20	0.10	0.00	0.00	4.80	0.23	0.00	0.00
2.25	0.10	0.00	0.00	4.85	0.24	0.00	0.00
2.30	0.10	0.00	0.00	4.90	0.24	0.00	0.00
2.35	0.10	0.00	0.00	4.95	0.24	0.00	0.00
2.40	0.11	0.00	0.00	5.00	0.24	0.00	0.00
2.45	0.11	0.00	0.00	5.05	0.25	0.00	0.00
2.50	0.11	0.00	0.00	5.10	0.25	0.00	0.00
2.55	0.11	0.00	0.00	5.15	0.25	0.00	0.00

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.26	0.00	0.00	7.80	0.44	0.00	0.00
5.25	0.26	0.00	0.00	7.85	0.45	0.00	0.00
5.30	0.26	0.00	0.00	7.90	0.45	0.00	0.00
5.35	0.27	0.00	0.00	7.95	0.46	0.00	0.00
5.40	0.27	0.00	0.00	8.00	0.46	0.00	0.00
5.45	0.27	0.00	0.00	8.05	0.47	0.00	0.00
5.50	0.27	0.00	0.00	8.10	0.47	0.00	0.00
5.55	0.28	0.00	0.00	8.15	0.48	0.00	0.00
5.60	0.28	0.00	0.00	8.20	0.48	0.00	0.00
5.65	0.28	0.00	0.00	8.25	0.49	0.00	0.00
5.70	0.29	0.00	0.00	8.30	0.49	0.00	0.00
5.75	0.29	0.00	0.00	8.35	0.49	0.00	0.00
5.80	0.29	0.00	0.00	8.40	0.50	0.00	0.00
5.85	0.30	0.00	0.00	8.45	0.50	0.00	0.00
5.90	0.30	0.00	0.00	8.50	0.51	0.00	0.00
5.95	0.30	0.00	0.00	8.55	0.51	0.00	0.00
6.00	0.31	0.00	0.00	8.60	0.52	0.00	0.00
6.05	0.31	0.00	0.00	8.65	0.53	0.00	0.00
6.10	0.31	0.00	0.00	8.70	0.53	0.00	0.00
6.15	0.31	0.00	0.00	8.75	0.54	0.00	0.00
6.20	0.32	0.00	0.00	8.80	0.54	0.00	0.00
6.25	0.32	0.00	0.00	8.85	0.55	0.00	0.00
6.30	0.32	0.00	0.00	8.90	0.55	0.00	0.00
6.35	0.33	0.00	0.00	8.95	0.56	0.00	0.00
6.40	0.33	0.00	0.00	9.00	0.56	0.00	0.00
6.45	0.33	0.00	0.00	9.05	0.57	0.00	0.00
6.50	0.34	0.00	0.00	9.10	0.57	0.00	0.00
6.55	0.34	0.00	0.00	9.15	0.58	0.00	0.00
6.60	0.35	0.00	0.00	9.20	0.59	0.00	0.00
6.65	0.35	0.00	0.00	9.25	0.59	0.00	0.00
6.70	0.35	0.00	0.00	9.30	0.60	0.00	0.00
6.75	0.36	0.00	0.00	9.35	0.60	0.00	0.00
6.80	0.36	0.00	0.00	9.40	0.61	0.00	0.00
6.85	0.36	0.00	0.00	9.45	0.62	0.00	0.00
6.90	0.37	0.00	0.00	9.50	0.62	0.00	0.00
6.95	0.37	0.00	0.00	9.55	0.63	0.00	0.00
7.00	0.38	0.00	0.00	9.60	0.64	0.00	0.00
7.05	0.38	0.00	0.00	9.65	0.65	0.00	0.00
7.10	0.38	0.00	0.00	9.70	0.65	0.00	0.00
7.15	0.39	0.00	0.00	9.75	0.66	0.00	0.00
7.20	0.39	0.00	0.00	9.80	0.67	0.00	0.00
7.25	0.40	0.00	0.00	9.85	0.68	0.00	0.00
7.30	0.40	0.00	0.00	9.90	0.69	0.00	0.00
7.35	0.40	0.00	0.00	9.95	0.69	0.00	0.00
7.40	0.41	0.00	0.00	10.00	0.70	0.00	0.00
7.45	0.41	0.00	0.00	10.05	0.71	0.00	0.00
7.50	0.42	0.00	0.00	10.10	0.72	0.00	0.00
7.55	0.42	0.00	0.00	10.15	0.73	0.00	0.00
7.60	0.43	0.00	0.00	10.20	0.74	0.00	0.00
7.65	0.43	0.00	0.00	10.25	0.75	0.00	0.00
7.70	0.43	0.00	0.00	10.30	0.76	0.00	0.00
7.75	0.44	0.00	0.00	10.35	0.76	0.00	0.00

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	0.77	0.00	0.00	13.00	2.93	0.47	1.66
10.45	0.78	0.00	0.00	13.05	2.94	0.48	1.58
10.50	0.79	0.00	0.00	13.10	2.96	0.49	1.51
10.55	0.80	0.00	0.00	13.15	2.97	0.49	1.43
10.60	0.82	0.00	0.00	13.20	2.98	0.50	1.36
10.65	0.83	0.00	0.00	13.25	3.00	0.51	1.30
10.70	0.84	0.00	0.00	13.30	3.01	0.51	1.24
10.75	0.85	0.00	0.00	13.35	3.02	0.52	1.20
10.80	0.87	0.00	0.00	13.40	3.03	0.52	1.15
10.85	0.88	0.00	0.00	13.45	3.05	0.53	1.11
10.90	0.89	0.00	0.00	13.50	3.06	0.53	1.06
10.95	0.91	0.00	0.00	13.55	3.07	0.54	1.02
11.00	0.92	0.00	0.00	13.60	3.08	0.54	0.98
11.05	0.94	0.00	0.00	13.65	3.09	0.55	0.94
11.10	0.96	0.00	0.00	13.70	3.09	0.55	0.90
11.15	0.98	0.00	0.00	13.75	3.10	0.55	0.87
11.20	1.00	0.00	0.00	13.80	3.11	0.56	0.84
11.25	1.02	0.00	0.00	13.85	3.12	0.56	0.82
11.30	1.04	0.00	0.00	13.90	3.13	0.57	0.81
11.35	1.06	0.00	0.00	13.95	3.14	0.57	0.80
11.40	1.09	0.00	0.00	14.00	3.15	0.58	0.79
11.45	1.11	0.00	0.00	14.05	3.16	0.58	0.77
11.50	1.14	0.00	0.00	14.10	3.16	0.58	0.76
11.55	1.18	0.00	0.02	14.15	3.17	0.59	0.75
11.60	1.22	0.00	0.04	14.20	3.18	0.59	0.74
11.65	1.26	0.01	0.09	14.25	3.19	0.59	0.73
11.70	1.30	0.01	0.16	14.30	3.20	0.60	0.72
11.75	1.35	0.01	0.25	14.35	3.20	0.60	0.71
11.80	1.41	0.02	0.36	14.40	3.21	0.61	0.70
11.85	1.49	0.03	0.52	14.45	3.22	0.61	0.69
11.90	1.57	0.04	0.74	14.50	3.23	0.61	0.67
11.95	1.70	0.06	1.06	14.55	3.23	0.62	0.66
12.00	1.83	0.09	1.55	14.60	3.24	0.62	0.65
12.05	2.06	0.15	2.36	14.65	3.25	0.62	0.64
12.10	2.28	0.22	3.65	14.70	3.25	0.63	0.63
12.15	2.36	0.25	5.44	14.75	3.26	0.63	0.62
12.20	2.44	0.28	7.00	14.80	3.26	0.63	0.60
12.25	2.50	0.30	**7.45**	14.85	3.27	0.63	0.59
12.30	2.55	0.32	6.89	14.90	3.28	0.64	0.58
12.35	2.59	0.33	5.94	14.95	3.28	0.64	0.57
12.40	2.63	0.35	5.09	15.00	3.29	0.64	0.56
12.45	2.67	0.37	4.41	15.05	3.29	0.65	0.54
12.50	2.71	0.38	3.87	15.10	3.30	0.65	0.53
12.55	2.74	0.39	3.48	15.15	3.30	0.65	0.52
12.60	2.76	0.40	3.17	15.20	3.31	0.65	0.51
12.65	2.79	0.41	2.84	15.25	3.31	0.66	0.50
12.70	2.81	0.42	2.52	15.30	3.32	0.66	0.49
12.75	2.83	0.43	2.26	15.35	3.32	0.66	0.49
12.80	2.85	0.44	2.08	15.40	3.33	0.66	0.49
12.85	2.87	0.45	1.94	15.45	3.34	0.67	0.48
12.90	2.89	0.46	1.83	15.50	3.34	0.67	0.48
12.95	2.91	0.46	1.74	15.55	3.35	0.67	0.48

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	3.35	0.67	0.47	18.20	3.56	0.78	0.31
15.65	3.36	0.68	0.47	18.25	3.56	0.78	0.30
15.70	3.36	0.68	0.47	18.30	3.56	0.79	0.30
15.75	3.36	0.68	0.46	18.35	3.57	0.79	0.30
15.80	3.37	0.68	0.46	18.40	3.57	0.79	0.30
15.85	3.37	0.69	0.46	18.45	3.57	0.79	0.30
15.90	3.38	0.69	0.45	18.50	3.58	0.79	0.30
15.95	3.38	0.69	0.45	18.55	3.58	0.79	0.30
16.00	3.39	0.69	0.45	18.60	3.58	0.80	0.30
16.05	3.39	0.70	0.45	18.65	3.58	0.80	0.29
16.10	3.40	0.70	0.44	18.70	3.59	0.80	0.29
16.15	3.40	0.70	0.44	18.75	3.59	0.80	0.29
16.20	3.41	0.70	0.44	18.80	3.59	0.80	0.29
16.25	3.41	0.71	0.43	18.85	3.60	0.80	0.29
16.30	3.42	0.71	0.43	18.90	3.60	0.80	0.29
16.35	3.42	0.71	0.43	18.95	3.60	0.81	0.29
16.40	3.42	0.71	0.42	19.00	3.61	0.81	0.29
16.45	3.43	0.72	0.42	19.05	3.61	0.81	0.29
16.50	3.43	0.72	0.42	19.10	3.61	0.81	0.29
16.55	3.44	0.72	0.41	19.15	3.61	0.81	0.29
16.60	3.44	0.72	0.41	19.20	3.62	0.81	0.29
16.65	3.45	0.72	0.41	19.25	3.62	0.82	0.29
16.70	3.45	0.73	0.41	19.30	3.62	0.82	0.28
16.75	3.45	0.73	0.40	19.35	3.63	0.82	0.28
16.80	3.46	0.73	0.40	19.40	3.63	0.82	0.28
16.85	3.46	0.73	0.40	19.45	3.63	0.82	0.28
16.90	3.47	0.73	0.39	19.50	3.63	0.82	0.28
16.95	3.47	0.74	0.39	19.55	3.64	0.82	0.28
17.00	3.47	0.74	0.39	19.60	3.64	0.83	0.28
17.05	3.48	0.74	0.38	19.65	3.64	0.83	0.28
17.10	3.48	0.74	0.38	19.70	3.65	0.83	0.28
17.15	3.49	0.74	0.38	19.75	3.65	0.83	0.28
17.20	3.49	0.75	0.37	19.80	3.65	0.83	0.28
17.25	3.49	0.75	0.37	19.85	3.65	0.83	0.28
17.30	3.50	0.75	0.37	19.90	3.66	0.84	0.28
17.35	3.50	0.75	0.36	19.95	3.66	0.84	0.28
17.40	3.50	0.75	0.36	20.00	3.66	0.84	0.27
17.45	3.51	0.76	0.36	20.05	3.66	0.84	0.27
17.50	3.51	0.76	0.35	20.10	3.67	0.84	0.27
17.55	3.52	0.76	0.35	20.15	3.67	0.84	0.27
17.60	3.52	0.76	0.35	20.20	3.67	0.84	0.27
17.65	3.52	0.76	0.34	20.25	3.68	0.85	0.27
17.70	3.53	0.77	0.34	20.30	3.68	0.85	0.27
17.75	3.53	0.77	0.34	20.35	3.68	0.85	0.27
17.80	3.53	0.77	0.33	20.40	3.68	0.85	0.27
17.85	3.54	0.77	0.33	20.45	3.69	0.85	0.27
17.90	3.54	0.77	0.33	20.50	3.69	0.85	0.27
17.95	3.54	0.77	0.32	20.55	3.69	0.85	0.27
18.00	3.54	0.78	0.32	20.60	3.69	0.86	0.26
18.05	3.55	0.78	0.32	20.65	3.70	0.86	0.26
18.10	3.55	0.78	0.31	20.70	3.70	0.86	0.26
18.15	3.55	0.78	0.31	20.75	3.70	0.86	0.26

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	3.70	0.86	0.26	23.40	3.82	0.93	0.22
20.85	3.71	0.86	0.26	23.45	3.83	0.93	0.22
20.90	3.71	0.86	0.26	23.50	3.83	0.93	0.22
20.95	3.71	0.87	0.26	23.55	3.83	0.93	0.21
21.00	3.71	0.87	0.26	23.60	3.83	0.93	0.21
21.05	3.72	0.87	0.26	23.65	3.84	0.93	0.21
21.10	3.72	0.87	0.26	23.70	3.84	0.94	0.21
21.15	3.72	0.87	0.26	23.75	3.84	0.94	0.21
21.20	3.72	0.87	0.25	23.80	3.84	0.94	0.21
21.25	3.73	0.87	0.25	23.85	3.84	0.94	0.21
21.30	3.73	0.88	0.25	23.90	3.85	0.94	0.21
21.35	3.73	0.88	0.25	23.95	3.85	0.94	0.21
21.40	3.73	0.88	0.25	24.00	**3.85**	**0.94**	0.21
21.45	3.74	0.88	0.25	24.05	3.85	0.94	0.22
21.50	3.74	0.88	0.25	24.10	3.85	0.94	0.21
21.55	3.74	0.88	0.25	24.15	3.85	0.94	0.17
21.60	3.74	0.88	0.25	24.20	3.85	0.94	0.12
21.65	3.75	0.88	0.25	24.25	3.85	0.94	0.07
21.70	3.75	0.89	0.25	24.30	3.85	0.94	0.04
21.75	3.75	0.89	0.25	24.35	3.85	0.94	0.03
21.80	3.75	0.89	0.24	24.40	3.85	0.94	0.02
21.85	3.76	0.89	0.24	24.45	3.85	0.94	0.01
21.90	3.76	0.89	0.24	24.50	3.85	0.94	0.01
21.95	3.76	0.89	0.24	24.55	3.85	0.94	0.00
22.00	3.76	0.89	0.24	24.60	3.85	0.94	0.00
22.05	3.77	0.90	0.24	24.65	3.85	0.94	0.00
22.10	3.77	0.90	0.24	24.70	3.85	0.94	0.00
22.15	3.77	0.90	0.24	24.75	3.85	0.94	0.00
22.20	3.77	0.90	0.24	24.80	3.85	0.94	0.00
22.25	3.77	0.90	0.24	24.85	3.85	0.94	0.00
22.30	3.78	0.90	0.24	24.90	3.85	0.94	0.00
22.35	3.78	0.90	0.24	24.95	3.85	0.94	0.00
22.40	3.78	0.90	0.23	25.00	3.85	0.94	0.00
22.45	3.78	0.91	0.23	25.05	3.85	0.94	0.00
22.50	3.79	0.91	0.23	25.10	3.85	0.94	0.00
22.55	3.79	0.91	0.23	25.15	3.85	0.94	0.00
22.60	3.79	0.91	0.23	25.20	3.85	0.94	0.00
22.65	3.79	0.91	0.23	25.25	3.85	0.94	0.00
22.70	3.79	0.91	0.23	25.30	3.85	0.94	0.00
22.75	3.80	0.91	0.23	25.35	3.85	0.94	0.00
22.80	3.80	0.91	0.23	25.40	3.85	0.94	0.00
22.85	3.80	0.92	0.23	25.45	3.85	0.94	0.00
22.90	3.80	0.92	0.23	25.50	3.85	0.94	0.00
22.95	3.81	0.92	0.22	25.55	3.85	0.94	0.00
23.00	3.81	0.92	0.22	25.60	3.85	0.94	0.00
23.05	3.81	0.92	0.22	25.65	3.85	0.94	0.00
23.10	3.81	0.92	0.22	25.70	3.85	0.94	0.00
23.15	3.81	0.92	0.22	25.75	3.85	0.94	0.00
23.20	3.82	0.92	0.22	25.80	3.85	0.94	0.00
23.25	3.82	0.92	0.22	25.85	3.85	0.94	0.00
23.30	3.82	0.93	0.22	25.90	3.85	0.94	0.00
23.35	3.82	0.93	0.22	25.95	3.85	0.94	0.00

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	3.85	0.94	0.00	28.60	3.85	0.94	0.00
26.05	3.85	0.94	0.00	28.65	3.85	0.94	0.00
26.10	3.85	0.94	0.00	28.70	3.85	0.94	0.00
26.15	3.85	0.94	0.00	28.75	3.85	0.94	0.00
26.20	3.85	0.94	0.00	28.80	3.85	0.94	0.00
26.25	3.85	0.94	0.00	28.85	3.85	0.94	0.00
26.30	3.85	0.94	0.00	28.90	3.85	0.94	0.00
26.35	3.85	0.94	0.00	28.95	3.85	0.94	0.00
26.40	3.85	0.94	0.00	29.00	3.85	0.94	0.00
26.45	3.85	0.94	0.00	29.05	3.85	0.94	0.00
26.50	3.85	0.94	0.00	29.10	3.85	0.94	0.00
26.55	3.85	0.94	0.00	29.15	3.85	0.94	0.00
26.60	3.85	0.94	0.00	29.20	3.85	0.94	0.00
26.65	3.85	0.94	0.00	29.25	3.85	0.94	0.00
26.70	3.85	0.94	0.00	29.30	3.85	0.94	0.00
26.75	3.85	0.94	0.00	29.35	3.85	0.94	0.00
26.80	3.85	0.94	0.00	29.40	3.85	0.94	0.00
26.85	3.85	0.94	0.00	29.45	3.85	0.94	0.00
26.90	3.85	0.94	0.00	29.50	3.85	0.94	0.00
26.95	3.85	0.94	0.00	29.55	3.85	0.94	0.00
27.00	3.85	0.94	0.00	29.60	3.85	0.94	0.00
27.05	3.85	0.94	0.00	29.65	3.85	0.94	0.00
27.10	3.85	0.94	0.00	29.70	3.85	0.94	0.00
27.15	3.85	0.94	0.00	29.75	3.85	0.94	0.00
27.20	3.85	0.94	0.00	29.80	3.85	0.94	0.00
27.25	3.85	0.94	0.00	29.85	3.85	0.94	0.00
27.30	3.85	0.94	0.00	29.90	3.85	0.94	0.00
27.35	3.85	0.94	0.00	29.95	3.85	0.94	0.00
27.40	3.85	0.94	0.00	30.00	3.85	0.94	0.00
27.45	3.85	0.94	0.00	30.05	3.85	0.94	0.00
27.50	3.85	0.94	0.00	30.10	3.85	0.94	0.00
27.55	3.85	0.94	0.00	30.15	3.85	0.94	0.00
27.60	3.85	0.94	0.00	30.20	3.85	0.94	0.00
27.65	3.85	0.94	0.00	30.25	3.85	0.94	0.00
27.70	3.85	0.94	0.00	30.30	3.85	0.94	0.00
27.75	3.85	0.94	0.00	30.35	3.85	0.94	0.00
27.80	3.85	0.94	0.00	30.40	3.85	0.94	0.00
27.85	3.85	0.94	0.00	30.45	3.85	0.94	0.00
27.90	3.85	0.94	0.00	30.50	3.85	0.94	0.00
27.95	3.85	0.94	0.00	30.55	3.85	0.94	0.00
28.00	3.85	0.94	0.00	30.60	3.85	0.94	0.00
28.05	3.85	0.94	0.00	30.65	3.85	0.94	0.00
28.10	3.85	0.94	0.00	30.70	3.85	0.94	0.00
28.15	3.85	0.94	0.00	30.75	3.85	0.94	0.00
28.20	3.85	0.94	0.00	30.80	3.85	0.94	0.00
28.25	3.85	0.94	0.00	30.85	3.85	0.94	0.00
28.30	3.85	0.94	0.00	30.90	3.85	0.94	0.00
28.35	3.85	0.94	0.00	30.95	3.85	0.94	0.00
28.40	3.85	0.94	0.00	31.00	3.85	0.94	0.00
28.45	3.85	0.94	0.00	31.05	3.85	0.94	0.00
28.50	3.85	0.94	0.00	31.10	3.85	0.94	0.00
28.55	3.85	0.94	0.00	31.15	3.85	0.94	0.00

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	3.85	0.94	0.00	33.80	3.85	0.94	0.00
31.25	3.85	0.94	0.00	33.85	3.85	0.94	0.00
31.30	3.85	0.94	0.00	33.90	3.85	0.94	0.00
31.35	3.85	0.94	0.00	33.95	3.85	0.94	0.00
31.40	3.85	0.94	0.00	34.00	3.85	0.94	0.00
31.45	3.85	0.94	0.00	34.05	3.85	0.94	0.00
31.50	3.85	0.94	0.00	34.10	3.85	0.94	0.00
31.55	3.85	0.94	0.00	34.15	3.85	0.94	0.00
31.60	3.85	0.94	0.00	34.20	3.85	0.94	0.00
31.65	3.85	0.94	0.00	34.25	3.85	0.94	0.00
31.70	3.85	0.94	0.00	34.30	3.85	0.94	0.00
31.75	3.85	0.94	0.00	34.35	3.85	0.94	0.00
31.80	3.85	0.94	0.00	34.40	3.85	0.94	0.00
31.85	3.85	0.94	0.00	34.45	3.85	0.94	0.00
31.90	3.85	0.94	0.00	34.50	3.85	0.94	0.00
31.95	3.85	0.94	0.00	34.55	3.85	0.94	0.00
32.00	3.85	0.94	0.00	34.60	3.85	0.94	0.00
32.05	3.85	0.94	0.00	34.65	3.85	0.94	0.00
32.10	3.85	0.94	0.00	34.70	3.85	0.94	0.00
32.15	3.85	0.94	0.00	34.75	3.85	0.94	0.00
32.20	3.85	0.94	0.00	34.80	3.85	0.94	0.00
32.25	3.85	0.94	0.00	34.85	3.85	0.94	0.00
32.30	3.85	0.94	0.00	34.90	3.85	0.94	0.00
32.35	3.85	0.94	0.00	34.95	3.85	0.94	0.00
32.40	3.85	0.94	0.00	35.00	3.85	0.94	0.00
32.45	3.85	0.94	0.00	35.05	3.85	0.94	0.00
32.50	3.85	0.94	0.00	35.10	3.85	0.94	0.00
32.55	3.85	0.94	0.00	35.15	3.85	0.94	0.00
32.60	3.85	0.94	0.00	35.20	3.85	0.94	0.00
32.65	3.85	0.94	0.00	35.25	3.85	0.94	0.00
32.70	3.85	0.94	0.00	35.30	3.85	0.94	0.00
32.75	3.85	0.94	0.00	35.35	3.85	0.94	0.00
32.80	3.85	0.94	0.00	35.40	3.85	0.94	0.00
32.85	3.85	0.94	0.00	35.45	3.85	0.94	0.00
32.90	3.85	0.94	0.00	35.50	3.85	0.94	0.00
32.95	3.85	0.94	0.00	35.55	3.85	0.94	0.00
33.00	3.85	0.94	0.00	35.60	3.85	0.94	0.00
33.05	3.85	0.94	0.00	35.65	3.85	0.94	0.00
33.10	3.85	0.94	0.00	35.70	3.85	0.94	0.00
33.15	3.85	0.94	0.00	35.75	3.85	0.94	0.00
33.20	3.85	0.94	0.00	35.80	3.85	0.94	0.00
33.25	3.85	0.94	0.00	35.85	3.85	0.94	0.00
33.30	3.85	0.94	0.00	35.90	3.85	0.94	0.00
33.35	3.85	0.94	0.00	35.95	3.85	0.94	0.00
33.40	3.85	0.94	0.00	36.00	3.85	0.94	0.00
33.45	3.85	0.94	0.00	36.05	3.85	0.94	0.00
33.50	3.85	0.94	0.00	36.10	3.85	0.94	0.00
33.55	3.85	0.94	0.00	36.15	3.85	0.94	0.00
33.60	3.85	0.94	0.00	36.20	3.85	0.94	0.00
33.65	3.85	0.94	0.00	36.25	3.85	0.94	0.00
33.70	3.85	0.94	0.00	36.30	3.85	0.94	0.00
33.75	3.85	0.94	0.00	36.35	3.85	0.94	0.00

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	3.85	0.94	0.00
36.45	3.85	0.94	0.00
36.50	3.85	0.94	0.00
36.55	3.85	0.94	0.00
36.60	3.85	0.94	0.00
36.65	3.85	0.94	0.00
36.70	3.85	0.94	0.00
36.75	3.85	0.94	0.00
36.80	3.85	0.94	0.00
36.85	3.85	0.94	0.00
36.90	3.85	0.94	0.00
36.95	3.85	0.94	0.00
37.00	3.85	0.94	0.00
37.05	3.85	0.94	0.00
37.10	3.85	0.94	0.00
37.15	3.85	0.94	0.00
37.20	3.85	0.94	0.00
37.25	3.85	0.94	0.00
37.30	3.85	0.94	0.00
37.35	3.85	0.94	0.00
37.40	3.85	0.94	0.00
37.45	3.85	0.94	0.00
37.50	3.85	0.94	0.00
37.55	3.85	0.94	0.00
37.60	3.85	0.94	0.00
37.65	3.85	0.94	0.00
37.70	3.85	0.94	0.00
37.75	3.85	0.94	0.00
37.80	3.85	0.94	0.00
37.85	3.85	0.94	0.00
37.90	3.85	0.94	0.00
37.95	3.85	0.94	0.00
38.00	3.85	0.94	0.00
38.05	3.85	0.94	0.00
38.10	3.85	0.94	0.00
38.15	3.85	0.94	0.00
38.20	3.85	0.94	0.00
38.25	3.85	0.94	0.00
38.30	3.85	0.94	0.00
38.35	3.85	0.94	0.00
38.40	3.85	0.94	0.00
38.45	3.85	0.94	0.00
38.50	3.85	0.94	0.00
38.55	3.85	0.94	0.00
38.60	3.85	0.94	0.00
38.65	3.85	0.94	0.00
38.70	3.85	0.94	0.00
38.75	3.85	0.94	0.00
38.80	3.85	0.94	0.00
38.85	3.85	0.94	0.00
38.90	3.85	0.94	0.00
38.95	3.85	0.94	0.00
39.00	3.85	0.94	0.00
39.05	3.85	0.94	0.00
39.10	3.85	0.94	0.00
39.15	3.85	0.94	0.00
39.20	3.85	0.94	0.00
39.25	3.85	0.94	0.00
39.30	3.85	0.94	0.00
39.35	3.85	0.94	0.00
39.40	3.85	0.94	0.00
39.45	3.85	0.94	0.00
39.50	3.85	0.94	0.00
39.55	3.85	0.94	0.00
39.60	3.85	0.94	0.00
39.65	3.85	0.94	0.00
39.70	3.85	0.94	0.00
39.75	3.85	0.94	0.00
39.80	3.85	0.94	0.00
39.85	3.85	0.94	0.00
39.90	3.85	0.94	0.00
39.95	3.85	0.94	0.00
40.00	3.85	0.94	0.00

Summary for Pond B-51: Basin #51

Inflow Area = 11.027 ac, 43.68% Impervious, Inflow Depth > 1.92" for Future 2 yr event
Inflow = 9.91 cfs @ 12.29 hrs, Volume= 1.764 af
Outflow = 6.06 cfs @ 12.90 hrs, Volume= 1.741 af, Atten= 39%, Lag= 36.6 min
Primary = 6.06 cfs @ 12.90 hrs, Volume= 1.741 af
Routed to Link PDA-6ON : Proposed Onsite Drainage Area #6

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 184.98' @ 12.90 hrs Surf.Area= 16,548 sf Storage= 16,287 cf

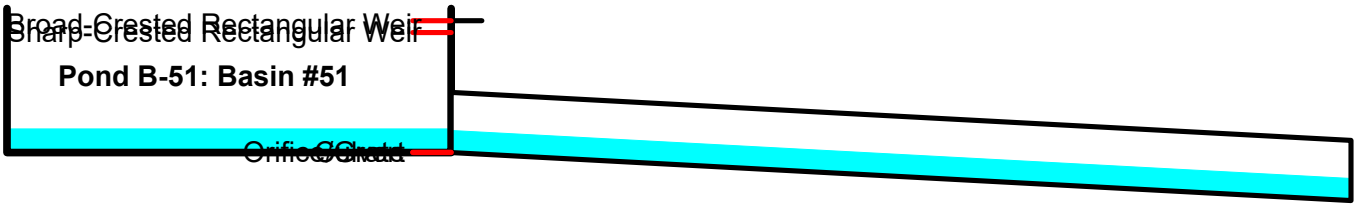
Plug-Flow detention time= 92.0 min calculated for 1.741 af (99% of inflow)
Center-of-Mass det. time= 77.7 min (1,018.4 - 940.7)

Volume	Invert	Avail.Storage	Storage Description
#1	184.00'	99,288 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

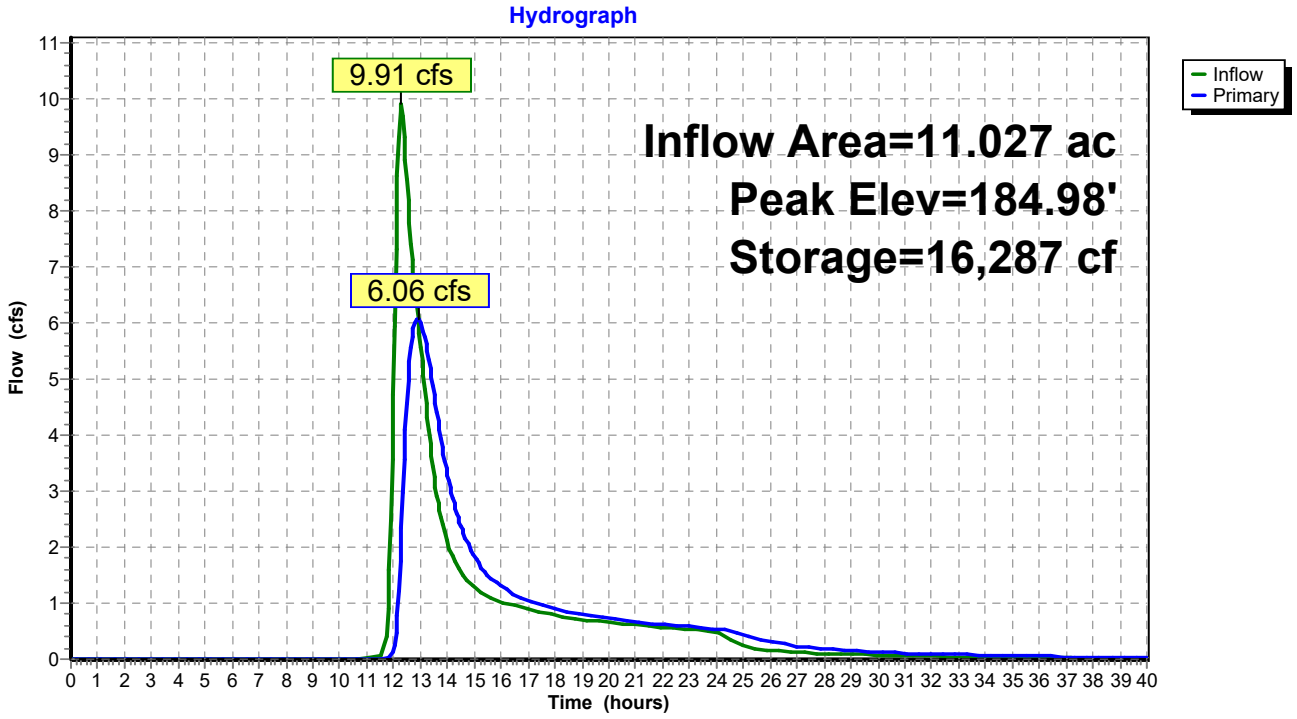
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
184.00	16,548	0	0
185.00	16,548	16,548	16,548
186.00	16,548	16,548	33,096
187.00	16,548	16,548	49,644
188.00	16,548	16,548	66,192
189.00	16,548	16,548	82,740
190.00	16,548	16,548	99,288

Device	Routing	Invert	Outlet Devices
#1	Primary	184.00'	**30.0" Round Culvert** L= 147.0' Ke= 0.500 Inlet / Outlet Invert= 184.00' / 182.00' S= 0.0136 '/' Cc= 0.900 n= 0.013, Flow Area= 4.91 sf
#2	Device 1	184.01'	**27.0" W x 12.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	189.00'	**8.0' long Sharp-Crested Rectangular Weir** 0 End Contraction(s)
#4	Primary	189.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=6.06 cfs @ 12.90 hrs HW=184.98' (Free Discharge)
- **1=Culvert** (Inlet Controls 6.06 cfs @ 3.38 fps)
  - **2=Orifice/Grate** (Passes 6.06 cfs of 6.94 cfs potential flow)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-51: Basin #51



Hydrograph for Pond B-51: Basin #51

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	184.00	0.00
0.10	0.00	0	184.00	0.00
0.20	0.00	0	184.00	0.00
0.30	0.00	0	184.00	0.00
0.40	0.00	0	184.00	0.00
0.50	0.00	0	184.00	0.00
0.60	0.00	0	184.00	0.00
0.70	0.00	0	184.00	0.00
0.80	0.00	0	184.00	0.00
0.90	0.00	0	184.00	0.00
1.00	0.00	0	184.00	0.00
1.10	0.00	0	184.00	0.00
1.20	0.00	0	184.00	0.00
1.30	0.00	0	184.00	0.00
1.40	0.00	0	184.00	0.00
1.50	0.00	0	184.00	0.00
1.60	0.00	0	184.00	0.00
1.70	0.00	0	184.00	0.00
1.80	0.00	0	184.00	0.00
1.90	0.00	0	184.00	0.00
2.00	0.00	0	184.00	0.00
2.10	0.00	0	184.00	0.00
2.20	0.00	0	184.00	0.00
2.30	0.00	0	184.00	0.00
2.40	0.00	0	184.00	0.00
2.50	0.00	0	184.00	0.00
2.60	0.00	0	184.00	0.00
2.70	0.00	0	184.00	0.00
2.80	0.00	0	184.00	0.00
2.90	0.00	0	184.00	0.00
3.00	0.00	0	184.00	0.00
3.10	0.00	0	184.00	0.00
3.20	0.00	0	184.00	0.00
3.30	0.00	0	184.00	0.00
3.40	0.00	0	184.00	0.00
3.50	0.00	0	184.00	0.00
3.60	0.00	0	184.00	0.00
3.70	0.00	0	184.00	0.00
3.80	0.00	0	184.00	0.00
3.90	0.00	0	184.00	0.00
4.00	0.00	0	184.00	0.00
4.10	0.00	0	184.00	0.00
4.20	0.00	0	184.00	0.00
4.30	0.00	0	184.00	0.00
4.40	0.00	0	184.00	0.00
4.50	0.00	0	184.00	0.00
4.60	0.00	0	184.00	0.00
4.70	0.00	0	184.00	0.00
4.80	0.00	0	184.00	0.00
4.90	0.00	0	184.00	0.00
5.00	0.00	0	184.00	0.00
5.10	0.00	0	184.00	0.00

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	0	184.00	0.00
5.30	0.00	0	184.00	0.00
5.40	0.00	0	184.00	0.00
5.50	0.00	0	184.00	0.00
5.60	0.00	0	184.00	0.00
5.70	0.00	0	184.00	0.00
5.80	0.00	0	184.00	0.00
5.90	0.00	0	184.00	0.00
6.00	0.00	0	184.00	0.00
6.10	0.00	0	184.00	0.00
6.20	0.00	0	184.00	0.00
6.30	0.00	0	184.00	0.00
6.40	0.00	0	184.00	0.00
6.50	0.00	0	184.00	0.00
6.60	0.00	0	184.00	0.00
6.70	0.00	0	184.00	0.00
6.80	0.00	0	184.00	0.00
6.90	0.00	0	184.00	0.00
7.00	0.00	0	184.00	0.00
7.10	0.00	0	184.00	0.00
7.20	0.00	0	184.00	0.00
7.30	0.00	0	184.00	0.00
7.40	0.00	0	184.00	0.00
7.50	0.00	0	184.00	0.00
7.60	0.00	0	184.00	0.00
7.70	0.00	0	184.00	0.00
7.80	0.00	0	184.00	0.00
7.90	0.00	0	184.00	0.00
8.00	0.00	0	184.00	0.00
8.10	0.00	0	184.00	0.00
8.20	0.00	0	184.00	0.00
8.30	0.00	0	184.00	0.00
8.40	0.00	0	184.00	0.00
8.50	0.00	0	184.00	0.00
8.60	0.00	0	184.00	0.00
8.70	0.00	0	184.00	0.00
8.80	0.00	0	184.00	0.00
8.90	0.00	0	184.00	0.00
9.00	0.00	0	184.00	0.00
9.10	0.00	0	184.00	0.00
9.20	0.00	0	184.00	0.00
9.30	0.00	0	184.00	0.00
9.40	0.00	0	184.00	0.00
9.50	0.00	0	184.00	0.00
9.60	0.00	0	184.00	0.00
9.70	0.00	0	184.00	0.00
9.80	0.00	0	184.00	0.00
9.90	0.00	0	184.00	0.00
10.00	0.00	0	184.00	0.00
10.10	0.00	0	184.00	0.00
10.20	0.00	0	184.00	0.00
10.30	0.00	1	184.00	0.00

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.00	2	184.00	0.00
10.50	0.00	3	184.00	0.00
10.60	0.01	5	184.00	0.00
10.70	0.01	8	184.00	0.00
10.80	0.01	12	184.00	0.00
10.90	0.02	17	184.00	0.00
11.00	0.02	23	184.00	0.00
11.10	0.02	31	184.00	0.00
11.20	0.03	41	184.00	0.00
11.30	0.04	54	184.00	0.00
11.40	0.05	70	184.00	0.00
11.50	0.06	90	184.01	0.00
11.60	0.09	116	184.01	0.00
11.70	0.15	156	184.01	0.00
11.80	0.92	327	184.02	0.00
11.90	2.48	917	184.06	0.02
12.00	4.73	2,185	184.13	0.13
12.10	7.33	4,242	184.26	0.46
12.20	9.31	6,999	184.42	1.22
12.30	**9.91**	9,855	184.60	2.36
12.40	9.31	12,260	184.74	3.57
12.50	8.56	14,000	184.85	4.58
12.60	7.78	15,158	184.92	5.31
12.70	7.12	15,836	184.96	5.76
12.80	6.58	16,183	184.98	5.99
12.90	6.07	**16,286**	**184.98**	**6.06**
13.00	5.57	16,205	184.98	6.01
13.10	5.07	15,982	184.97	5.86
13.20	4.58	15,648	184.95	5.63
13.30	4.09	15,227	184.92	5.36
13.40	3.64	14,744	184.89	5.05
13.50	3.25	14,224	184.86	4.72
13.60	2.92	13,693	184.83	4.40
13.70	2.64	13,167	184.80	4.09
13.80	2.42	12,661	184.77	3.80
13.90	2.25	12,182	184.74	3.53
14.00	2.09	11,736	184.71	3.29
14.10	1.95	11,319	184.68	3.07
14.20	1.82	10,928	184.66	2.87
14.30	1.71	10,562	184.64	2.69
14.40	1.62	10,222	184.62	2.53
14.50	1.55	9,909	184.60	2.38
14.60	1.48	9,619	184.58	2.25
14.70	1.42	9,352	184.57	2.14
14.80	1.37	9,106	184.55	2.03
14.90	1.32	8,880	184.54	1.93
15.00	1.28	8,669	184.52	1.84
15.10	1.23	8,471	184.51	1.77
15.20	1.19	8,286	184.50	1.69
15.30	1.16	8,113	184.49	1.62
15.40	1.13	7,954	184.48	1.56
15.50	1.11	7,806	184.47	1.51

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	1.09	7,668	184.46	1.46
15.70	1.07	7,540	184.46	1.41
15.80	1.05	7,421	184.45	1.37
15.90	1.03	7,310	184.44	1.33
16.00	1.02	7,208	184.44	1.29
16.10	1.01	7,114	184.43	1.26
16.20	0.99	7,027	184.42	1.23
16.30	0.98	6,946	184.42	1.20
16.40	0.97	6,870	184.42	1.18
16.50	0.96	6,799	184.41	1.15
16.60	0.95	6,731	184.41	1.13
16.70	0.94	6,666	184.40	1.11
16.80	0.92	6,604	184.40	1.09
16.90	0.91	6,545	184.40	1.07
17.00	0.90	6,489	184.39	1.06
17.10	0.89	6,435	184.39	1.04
17.20	0.88	6,382	184.39	1.02
17.30	0.87	6,331	184.38	1.01
17.40	0.86	6,282	184.38	0.99
17.50	0.84	6,234	184.38	0.98
17.60	0.83	6,187	184.37	0.96
17.70	0.82	6,141	184.37	0.95
17.80	0.81	6,096	184.37	0.93
17.90	0.80	6,052	184.37	0.92
18.00	0.79	6,009	184.36	0.91
18.10	0.77	5,966	184.36	0.89
18.20	0.76	5,924	184.36	0.88
18.30	0.75	5,882	184.36	0.87
18.40	0.74	5,841	184.35	0.86
18.50	0.74	5,800	184.35	0.85
18.60	0.73	5,761	184.35	0.84
18.70	0.72	5,723	184.35	0.83
18.80	0.72	5,687	184.34	0.82
18.90	0.71	5,651	184.34	0.81
19.00	0.70	5,617	184.34	0.80
19.10	0.70	5,584	184.34	0.79
19.20	0.69	5,553	184.34	0.78
19.30	0.69	5,523	184.33	0.77
19.40	0.68	5,493	184.33	0.76
19.50	0.68	5,465	184.33	0.76
19.60	0.68	5,438	184.33	0.75
19.70	0.67	5,412	184.33	0.74
19.80	0.67	5,386	184.33	0.74
19.90	0.66	5,362	184.32	0.73
20.00	0.66	5,338	184.32	0.72
20.10	0.65	5,315	184.32	0.72
20.20	0.65	5,292	184.32	0.71
20.30	0.64	5,271	184.32	0.70
20.40	0.64	5,249	184.32	0.70
20.50	0.64	5,228	184.32	0.69
20.60	0.63	5,208	184.31	0.69
20.70	0.63	5,188	184.31	0.68

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.62	5,169	184.31	0.68
20.90	0.62	5,149	184.31	0.67
21.00	0.61	5,130	184.31	0.67
21.10	0.61	5,112	184.31	0.66
21.20	0.61	5,093	184.31	0.66
21.30	0.60	5,075	184.31	0.65
21.40	0.60	5,057	184.31	0.65
21.50	0.59	5,040	184.30	0.64
21.60	0.59	5,022	184.30	0.64
21.70	0.58	5,005	184.30	0.63
21.80	0.58	4,987	184.30	0.63
21.90	0.58	4,970	184.30	0.62
22.00	0.57	4,953	184.30	0.62
22.10	0.57	4,936	184.30	0.62
22.20	0.56	4,919	184.30	0.61
22.30	0.56	4,901	184.30	0.61
22.40	0.56	4,884	184.30	0.60
22.50	0.55	4,866	184.29	0.60
22.60	0.55	4,848	184.29	0.60
22.70	0.54	4,830	184.29	0.59
22.80	0.54	4,813	184.29	0.59
22.90	0.53	4,794	184.29	0.58
23.00	0.53	4,776	184.29	0.58
23.10	0.53	4,758	184.29	0.58
23.20	0.52	4,740	184.29	0.57
23.30	0.52	4,722	184.29	0.57
23.40	0.51	4,703	184.28	0.56
23.50	0.51	4,685	184.28	0.56
23.60	0.51	4,667	184.28	0.56
23.70	0.50	4,649	184.28	0.55
23.80	0.50	4,631	184.28	0.55
23.90	0.49	4,613	184.28	0.54
24.00	0.50	4,596	184.28	0.54
24.10	0.47	4,577	184.28	0.54
24.20	0.43	4,547	184.27	0.53
24.30	0.39	4,505	184.27	0.52
24.40	0.37	4,457	184.27	0.51
24.50	0.34	4,403	184.27	0.50
24.60	0.32	4,345	184.26	0.48
24.70	0.30	4,284	184.26	0.47
24.80	0.28	4,222	184.26	0.46
24.90	0.26	4,158	184.25	0.44
25.00	0.25	4,093	184.25	0.43
25.10	0.24	4,029	184.24	0.41
25.20	0.22	3,964	184.24	0.40
25.30	0.21	3,900	184.24	0.39
25.40	0.20	3,837	184.23	0.38
25.50	0.19	3,774	184.23	0.37
25.60	0.19	3,712	184.22	0.36
25.70	0.18	3,651	184.22	0.35
25.80	0.17	3,592	184.22	0.33
25.90	0.17	3,534	184.21	0.32

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.16	3,478	184.21	0.31
26.10	0.16	3,423	184.21	0.31
26.20	0.15	3,370	184.20	0.30
26.30	0.15	3,319	184.20	0.29
26.40	0.14	3,270	184.20	0.28
26.50	0.14	3,222	184.19	0.27
26.60	0.14	3,176	184.19	0.26
26.70	0.13	3,131	184.19	0.25
26.80	0.13	3,089	184.19	0.25
26.90	0.13	3,048	184.18	0.24
27.00	0.12	3,008	184.18	0.23
27.10	0.12	2,970	184.18	0.23
27.20	0.12	2,933	184.18	0.22
27.30	0.12	2,896	184.18	0.22
27.40	0.12	2,861	184.17	0.21
27.50	0.11	2,826	184.17	0.21
27.60	0.11	2,792	184.17	0.20
27.70	0.11	2,759	184.17	0.20
27.80	0.11	2,727	184.16	0.20
27.90	0.11	2,695	184.16	0.19
28.00	0.10	2,664	184.16	0.19
28.10	0.10	2,634	184.16	0.18
28.20	0.10	2,605	184.16	0.18
28.30	0.10	2,577	184.16	0.18
28.40	0.10	2,549	184.15	0.17
28.50	0.09	2,521	184.15	0.17
28.60	0.09	2,495	184.15	0.17
28.70	0.09	2,469	184.15	0.16
28.80	0.09	2,444	184.15	0.16
28.90	0.09	2,419	184.15	0.16
29.00	0.09	2,395	184.14	0.15
29.10	0.09	2,371	184.14	0.15
29.20	0.08	2,348	184.14	0.15
29.30	0.08	2,326	184.14	0.14
29.40	0.08	2,304	184.14	0.14
29.50	0.08	2,282	184.14	0.14
29.60	0.08	2,261	184.14	0.14
29.70	0.08	2,241	184.14	0.13
29.80	0.08	2,221	184.13	0.13
29.90	0.08	2,201	184.13	0.13
30.00	0.07	2,182	184.13	0.13
30.10	0.07	2,163	184.13	0.12
30.20	0.07	2,145	184.13	0.12
30.30	0.07	2,127	184.13	0.12
30.40	0.07	2,110	184.13	0.12
30.50	0.07	2,092	184.13	0.12
30.60	0.07	2,076	184.13	0.11
30.70	0.07	2,059	184.12	0.11
30.80	0.06	2,043	184.12	0.11
30.90	0.06	2,027	184.12	0.11
31.00	0.06	2,012	184.12	0.11
31.10	0.06	1,997	184.12	0.10

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.06	1,982	184.12	0.10
31.30	0.06	1,967	184.12	0.10
31.40	0.06	1,953	184.12	0.10
31.50	0.06	1,938	184.12	0.10
31.60	0.06	1,924	184.12	0.10
31.70	0.06	1,909	184.12	0.10
31.80	0.05	1,895	184.11	0.09
31.90	0.05	1,880	184.11	0.09
32.00	0.05	1,866	184.11	0.09
32.10	0.05	1,852	184.11	0.09
32.20	0.05	1,837	184.11	0.09
32.30	0.05	1,823	184.11	0.09
32.40	0.05	1,808	184.11	0.09
32.50	0.05	1,794	184.11	0.09
32.60	0.05	1,780	184.11	0.09
32.70	0.05	1,765	184.11	0.08
32.80	0.04	1,751	184.11	0.08
32.90	0.04	1,737	184.10	0.08
33.00	0.04	1,723	184.10	0.08
33.10	0.04	1,708	184.10	0.08
33.20	0.04	1,694	184.10	0.08
33.30	0.04	1,680	184.10	0.08
33.40	0.04	1,666	184.10	0.08
33.50	0.04	1,652	184.10	0.08
33.60	0.04	1,638	184.10	0.08
33.70	0.04	1,625	184.10	0.07
33.80	0.03	1,611	184.10	0.07
33.90	0.03	1,597	184.10	0.07
34.00	0.03	1,584	184.10	0.07
34.10	0.03	1,570	184.09	0.07
34.20	0.03	1,557	184.09	0.07
34.30	0.03	1,543	184.09	0.07
34.40	0.03	1,530	184.09	0.07
34.50	0.03	1,517	184.09	0.07
34.60	0.03	1,504	184.09	0.06
34.70	0.03	1,491	184.09	0.06
34.80	0.03	1,478	184.09	0.06
34.90	0.03	1,465	184.09	0.06
35.00	0.03	1,453	184.09	0.06
35.10	0.03	1,440	184.09	0.06
35.20	0.02	1,428	184.09	0.06
35.30	0.02	1,416	184.09	0.06
35.40	0.02	1,404	184.08	0.06
35.50	0.02	1,392	184.08	0.06
35.60	0.02	1,380	184.08	0.06
35.70	0.02	1,369	184.08	0.05
35.80	0.02	1,357	184.08	0.05
35.90	0.02	1,346	184.08	0.05
36.00	0.02	1,335	184.08	0.05
36.10	0.02	1,324	184.08	0.05
36.20	0.02	1,313	184.08	0.05
36.30	0.02	1,302	184.08	0.05

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.02	1,292	184.08	0.05
36.50	0.02	1,281	184.08	0.05
36.60	0.02	1,271	184.08	0.05
36.70	0.02	1,261	184.08	0.05
36.80	0.02	1,251	184.08	0.05
36.90	0.02	1,241	184.07	0.04
37.00	0.02	1,231	184.07	0.04
37.10	0.02	1,222	184.07	0.04
37.20	0.02	1,212	184.07	0.04
37.30	0.02	1,203	184.07	0.04
37.40	0.02	1,194	184.07	0.04
37.50	0.02	1,185	184.07	0.04
37.60	0.02	1,176	184.07	0.04
37.70	0.01	1,167	184.07	0.04
37.80	0.01	1,159	184.07	0.04
37.90	0.01	1,150	184.07	0.04
38.00	0.01	1,142	184.07	0.04
38.10	0.01	1,133	184.07	0.04
38.20	0.01	1,125	184.07	0.04
38.30	0.01	1,117	184.07	0.04
38.40	0.01	1,109	184.07	0.03
38.50	0.01	1,102	184.07	0.03
38.60	0.01	1,094	184.07	0.03
38.70	0.01	1,087	184.07	0.03
38.80	0.01	1,079	184.07	0.03
38.90	0.01	1,072	184.06	0.03
39.00	0.01	1,065	184.06	0.03
39.10	0.01	1,058	184.06	0.03
39.20	0.01	1,051	184.06	0.03
39.30	0.01	1,045	184.06	0.03
39.40	0.01	1,038	184.06	0.03
39.50	0.01	1,032	184.06	0.03
39.60	0.01	1,025	184.06	0.03
39.70	0.01	1,019	184.06	0.03
39.80	0.01	1,013	184.06	0.03
39.90	0.01	1,007	184.06	0.03
40.00	0.01	1,001	184.06	0.03

Stage-Discharge for Pond B-51: Basin #51

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
184.00	0.00	184.52	1.81	185.04	6.71	185.56	10.99
184.01	0.00	184.53	1.88	185.05	6.83	185.57	11.05
184.02	0.00	184.54	1.95	185.06	6.94	185.58	11.10
184.03	0.01	184.55	2.02	185.07	7.06	185.59	11.15
184.04	0.01	184.56	2.09	185.08	7.19	185.60	11.21
184.05	0.02	184.57	2.17	185.09	7.31	185.61	11.26
184.06	0.03	184.58	2.24	185.10	7.43	185.62	11.31
184.07	0.03	184.59	2.31	185.11	7.55	185.63	11.37
184.08	0.05	184.60	2.39	185.12	7.67	185.64	11.42
184.09	0.06	184.61	2.47	185.13	7.80	185.65	11.47
184.10	0.07	184.62	2.54	185.14	7.92	185.66	11.52
184.11	0.09	184.63	2.62	185.15	8.05	185.67	11.57
184.12	0.10	184.64	2.70	185.16	8.18	185.68	11.63
184.13	0.12	184.65	2.78	185.17	8.30	185.69	11.68
184.14	0.14	184.66	2.87	185.18	8.43	185.70	11.73
184.15	0.16	184.67	2.95	185.19	8.56	185.71	11.78
184.16	0.18	184.68	3.03	185.20	8.69	185.72	11.83
184.17	0.20	184.69	3.12	185.21	8.82	185.73	11.88
184.18	0.23	184.70	3.21	185.22	8.92	185.74	11.93
184.19	0.25	184.71	3.29	185.23	8.99	185.75	11.98
184.20	0.28	184.72	3.38	185.24	9.06	185.76	12.03
184.21	0.31	184.73	3.47	185.25	9.12	185.77	12.08
184.22	0.34	184.74	3.56	185.26	9.19	185.78	12.13
184.23	0.37	184.75	3.65	185.27	9.26	185.79	12.18
184.24	0.40	184.76	3.74	185.28	9.32	185.80	12.23
184.25	0.43	184.77	3.84	185.29	9.39	185.81	12.27
184.26	0.47	184.78	3.93	185.30	9.45	185.82	12.32
184.27	0.51	184.79	4.03	185.31	9.52	185.83	12.37
184.28	0.54	184.80	4.12	185.32	9.58	185.84	12.42
184.29	0.58	184.81	4.22	185.33	9.65	185.85	12.47
184.30	0.62	184.82	4.32	185.34	9.71	185.86	12.51
184.31	0.66	184.83	4.42	185.35	9.77	185.87	12.56
184.32	0.71	184.84	4.52	185.36	9.83	185.88	12.61
184.33	0.75	184.85	4.62	185.37	9.89	185.89	12.66
184.34	0.80	184.86	4.72	185.38	9.96	185.90	12.70
184.35	0.84	184.87	4.82	185.39	10.02	185.91	12.75
184.36	0.89	184.88	4.93	185.40	10.08	185.92	12.80
184.37	0.94	184.89	5.03	185.41	10.14	185.93	12.84
184.38	0.99	184.90	5.14	185.42	10.20	185.94	12.89
184.39	1.04	184.91	5.25	185.43	10.26	185.95	12.93
184.40	1.09	184.92	5.35	185.44	10.31	185.96	12.98
184.41	1.15	184.93	5.46	185.45	10.37	185.97	13.02
184.42	1.20	184.94	5.57	185.46	10.43	185.98	13.07
184.43	1.26	184.95	5.68	185.47	10.49	185.99	13.12
184.44	1.31	184.96	5.79	185.48	10.55	186.00	13.16
184.45	1.37	184.97	5.90	185.49	10.60	186.01	13.21
184.46	1.43	184.98	6.02	185.50	10.66	186.02	13.25
184.47	1.49	184.99	6.13	185.51	10.71	186.03	13.30
184.48	1.55	185.00	6.24	185.52	10.77	186.04	13.34
184.49	1.62	185.01	6.36	185.53	10.83	186.05	13.38
184.50	1.68	185.02	6.47	185.54	10.88	186.06	13.43
184.51	1.75	185.03	6.59	185.55	10.94	186.07	13.47

Stage-Discharge for Pond B-51: Basin #51 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
186.08	13.52	186.60	15.62	187.12	17.48	187.64	19.15
186.09	13.56	186.61	15.66	187.13	17.51	187.65	19.18
186.10	13.60	186.62	15.70	187.14	17.54	187.66	19.21
186.11	13.65	186.63	15.74	187.15	17.58	187.67	19.24
186.12	13.69	186.64	15.77	187.16	17.61	187.68	19.27
186.13	13.73	186.65	15.81	187.17	17.64	187.69	19.30
186.14	13.78	186.66	15.85	187.18	17.68	187.70	19.33
186.15	13.82	186.67	15.89	187.19	17.71	187.71	19.36
186.16	13.86	186.68	15.92	187.20	17.74	187.72	19.39
186.17	13.90	186.69	15.96	187.21	17.78	187.73	19.42
186.18	13.95	186.70	16.00	187.22	17.81	187.74	19.45
186.19	13.99	186.71	16.03	187.23	17.84	187.75	19.48
186.20	14.03	186.72	16.07	187.24	17.88	187.76	19.51
186.21	14.07	186.73	16.11	187.25	17.91	187.77	19.54
186.22	14.12	186.74	16.14	187.26	17.94	187.78	19.57
186.23	14.16	186.75	16.18	187.27	17.97	187.79	19.60
186.24	14.20	186.76	16.22	187.28	18.01	187.80	19.63
186.25	14.24	186.77	16.25	187.29	18.04	187.81	19.66
186.26	14.28	186.78	16.29	187.30	18.07	187.82	19.69
186.27	14.32	186.79	16.33	187.31	18.10	187.83	19.72
186.28	14.36	186.80	16.36	187.32	18.14	187.84	19.75
186.29	14.41	186.81	16.40	187.33	18.17	187.85	19.78
186.30	14.45	186.82	16.43	187.34	18.20	187.86	19.81
186.31	14.49	186.83	16.47	187.35	18.23	187.87	19.84
186.32	14.53	186.84	16.50	187.36	18.27	187.88	19.87
186.33	14.57	186.85	16.54	187.37	18.30	187.89	19.90
186.34	14.61	186.86	16.58	187.38	18.33	187.90	19.93
186.35	14.65	186.87	16.61	187.39	18.36	187.91	19.96
186.36	14.69	186.88	16.65	187.40	18.39	187.92	19.99
186.37	14.73	186.89	16.68	187.41	18.43	187.93	20.02
186.38	14.77	186.90	16.72	187.42	18.46	187.94	20.05
186.39	14.81	186.91	16.75	187.43	18.49	187.95	20.08
186.40	14.85	186.92	16.79	187.44	18.52	187.96	20.11
186.41	14.89	186.93	16.82	187.45	18.55	187.97	20.13
186.42	14.93	186.94	16.86	187.46	18.59	187.98	20.16
186.43	14.97	186.95	16.89	187.47	18.62	187.99	20.19
186.44	15.01	186.96	16.93	187.48	18.65	188.00	20.22
186.45	15.05	186.97	16.96	187.49	18.68	188.01	20.25
186.46	15.09	186.98	17.00	187.50	18.71	188.02	20.28
186.47	15.13	186.99	17.03	187.51	18.74	188.03	20.31
186.48	15.16	187.00	17.07	187.52	18.77	188.04	20.34
186.49	15.20	187.01	17.10	187.53	18.81	188.05	20.37
186.50	15.24	187.02	17.14	187.54	18.84	188.06	20.40
186.51	15.28	187.03	17.17	187.55	18.87	188.07	20.42
186.52	15.32	187.04	17.20	187.56	18.90	188.08	20.45
186.53	15.36	187.05	17.24	187.57	18.93	188.09	20.48
186.54	15.40	187.06	17.27	187.58	18.96	188.10	20.51
186.55	15.43	187.07	17.31	187.59	18.99	188.11	20.54
186.56	15.47	187.08	17.34	187.60	19.02	188.12	20.57
186.57	15.51	187.09	17.37	187.61	19.05	188.13	20.60
186.58	15.55	187.10	17.41	187.62	19.08	188.14	20.62
186.59	15.59	187.11	17.44	187.63	19.12	188.15	20.65

Stage-Discharge for Pond B-51: Basin #51 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
188.16	20.68	188.68	22.11	189.20	25.79	189.72	52.99
188.17	20.71	188.69	22.14	189.21	25.99	189.73	54.24
188.18	20.74	188.70	22.16	189.22	26.20	189.74	55.52
188.19	20.77	188.71	22.19	189.23	26.41	189.75	56.83
188.20	20.79	188.72	22.22	189.24	26.63	189.76	58.17
188.21	20.82	188.73	22.24	189.25	26.85	189.77	59.54
188.22	20.85	188.74	22.27	189.26	27.07	189.78	60.93
188.23	20.88	188.75	22.29	189.27	27.30	189.79	62.35
188.24	20.91	188.76	22.32	189.28	27.53	189.80	63.80
188.25	20.94	188.77	22.35	189.29	27.76	189.81	65.27
188.26	20.96	188.78	22.37	189.30	28.00	189.82	66.77
188.27	20.99	188.79	22.40	189.31	28.24	189.83	68.29
188.28	21.02	188.80	22.43	189.32	28.48	189.84	69.84
188.29	21.05	188.81	22.45	189.33	28.73	189.85	71.42
188.30	21.08	188.82	22.48	189.34	28.99	189.86	73.03
188.31	21.10	188.83	22.50	189.35	29.24	189.87	74.66
188.32	21.13	188.84	22.53	189.36	29.50	189.88	76.32
188.33	21.16	188.85	22.56	189.37	29.76	189.89	78.00
188.34	21.19	188.86	22.58	189.38	30.03	189.90	79.71
188.35	21.21	188.87	22.61	189.39	30.29	189.91	81.47
188.36	21.24	188.88	22.63	189.40	30.56	189.92	83.26
188.37	21.27	188.89	22.66	189.41	30.84	189.93	85.08
188.38	21.30	188.90	22.69	189.42	31.12	189.94	86.93
188.39	21.33	188.91	22.71	189.43	31.40	189.95	88.80
188.40	21.35	188.92	22.74	189.44	31.68	189.96	90.70
188.41	21.38	188.93	22.76	189.45	31.97	189.97	92.64
188.42	21.41	188.94	22.79	189.46	32.25	189.98	94.60
188.43	21.44	188.95	22.82	189.47	32.55	189.99	96.58
188.44	21.46	188.96	22.84	189.48	32.84	190.00	**98.58**
188.45	21.49	188.97	22.87	189.49	33.14		
188.46	21.52	188.98	22.89	189.50	33.44		
188.47	21.54	188.99	22.92	189.51	33.86		
188.48	21.57	189.00	22.94	189.52	34.38		
188.49	21.60	189.01	23.00	189.53	34.97		
188.50	21.63	189.02	23.07	189.54	35.61		
188.51	21.65	189.03	23.16	189.55	36.29		
188.52	21.68	189.04	23.26	189.56	37.02		
188.53	21.71	189.05	23.36	189.57	37.79		
188.54	21.73	189.06	23.48	189.58	38.60		
188.55	21.76	189.07	23.61	189.59	39.44		
188.56	21.79	189.08	23.74	189.60	40.31		
188.57	21.82	189.09	23.88	189.61	41.21		
188.58	21.84	189.10	24.03	189.62	42.14		
188.59	21.87	189.11	24.18	189.63	43.10		
188.60	21.90	189.12	24.34	189.64	44.09		
188.61	21.92	189.13	24.50	189.65	45.11		
188.62	21.95	189.14	24.67	189.66	46.15		
188.63	21.98	189.15	24.84	189.67	47.21		
188.64	22.00	189.16	25.02	189.68	48.30		
188.65	22.03	189.17	25.21	189.69	49.42		
188.66	22.06	189.18	25.40	189.70	50.56		
188.67	22.08	189.19	25.59	189.71	51.76		

Stage-Area-Storage for Pond B-51: Basin #51

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
184.00	**16,548**	0	184.52	16,548	8,605
184.01	16,548	165	184.53	16,548	8,770
184.02	16,548	331	184.54	16,548	8,936
184.03	16,548	496	184.55	16,548	9,101
184.04	16,548	662	184.56	16,548	9,267
184.05	16,548	827	184.57	16,548	9,432
184.06	16,548	993	184.58	16,548	9,598
184.07	16,548	1,158	184.59	16,548	9,763
184.08	16,548	1,324	184.60	16,548	9,929
184.09	16,548	1,489	184.61	16,548	10,094
184.10	16,548	1,655	184.62	16,548	10,260
184.11	16,548	1,820	184.63	16,548	10,425
184.12	16,548	1,986	184.64	16,548	10,591
184.13	16,548	2,151	184.65	16,548	10,756
184.14	16,548	2,317	184.66	16,548	10,922
184.15	16,548	2,482	184.67	16,548	11,087
184.16	16,548	2,648	184.68	16,548	11,253
184.17	16,548	2,813	184.69	16,548	11,418
184.18	16,548	2,979	184.70	16,548	11,584
184.19	16,548	3,144	184.71	16,548	11,749
184.20	16,548	3,310	184.72	16,548	11,915
184.21	16,548	3,475	184.73	16,548	12,080
184.22	16,548	3,641	184.74	16,548	12,246
184.23	16,548	3,806	184.75	16,548	12,411
184.24	16,548	3,972	184.76	16,548	12,576
184.25	16,548	4,137	184.77	16,548	12,742
184.26	16,548	4,302	184.78	16,548	12,907
184.27	16,548	4,468	184.79	16,548	13,073
184.28	16,548	4,633	184.80	16,548	13,238
184.29	16,548	4,799	184.81	16,548	13,404
184.30	16,548	4,964	184.82	16,548	13,569
184.31	16,548	5,130	184.83	16,548	13,735
184.32	16,548	5,295	184.84	16,548	13,900
184.33	16,548	5,461	184.85	16,548	14,066
184.34	16,548	5,626	184.86	16,548	14,231
184.35	16,548	5,792	184.87	16,548	14,397
184.36	16,548	5,957	184.88	16,548	14,562
184.37	16,548	6,123	184.89	16,548	14,728
184.38	16,548	6,288	184.90	16,548	14,893
184.39	16,548	6,454	184.91	16,548	15,059
184.40	16,548	6,619	184.92	16,548	15,224
184.41	16,548	6,785	184.93	16,548	15,390
184.42	16,548	6,950	184.94	16,548	15,555
184.43	16,548	7,116	184.95	16,548	15,721
184.44	16,548	7,281	184.96	16,548	15,886
184.45	16,548	7,447	184.97	16,548	16,052
184.46	16,548	7,612	184.98	16,548	16,217
184.47	16,548	7,778	184.99	16,548	16,383
184.48	16,548	7,943	185.00	16,548	16,548
184.49	16,548	8,109	185.01	16,548	16,713
184.50	16,548	8,274	185.02	16,548	16,879
184.51	16,548	8,439	185.03	16,548	17,044

Stage-Area-Storage for Pond B-51: Basin #51 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
185.04	16,548	17,210	185.56	16,548	25,815
185.05	16,548	17,375	185.57	16,548	25,980
185.06	16,548	17,541	185.58	16,548	26,146
185.07	16,548	17,706	185.59	16,548	26,311
185.08	16,548	17,872	185.60	16,548	26,477
185.09	16,548	18,037	185.61	16,548	26,642
185.10	16,548	18,203	185.62	16,548	26,808
185.11	16,548	18,368	185.63	16,548	26,973
185.12	16,548	18,534	185.64	16,548	27,139
185.13	16,548	18,699	185.65	16,548	27,304
185.14	16,548	18,865	185.66	16,548	27,470
185.15	16,548	19,030	185.67	16,548	27,635
185.16	16,548	19,196	185.68	16,548	27,801
185.17	16,548	19,361	185.69	16,548	27,966
185.18	16,548	19,527	185.70	16,548	28,132
185.19	16,548	19,692	185.71	16,548	28,297
185.20	16,548	19,858	185.72	16,548	28,463
185.21	16,548	20,023	185.73	16,548	28,628
185.22	16,548	20,189	185.74	16,548	28,794
185.23	16,548	20,354	185.75	16,548	28,959
185.24	16,548	20,520	185.76	16,548	29,124
185.25	16,548	20,685	185.77	16,548	29,290
185.26	16,548	20,850	185.78	16,548	29,455
185.27	16,548	21,016	185.79	16,548	29,621
185.28	16,548	21,181	185.80	16,548	29,786
185.29	16,548	21,347	185.81	16,548	29,952
185.30	16,548	21,512	185.82	16,548	30,117
185.31	16,548	21,678	185.83	16,548	30,283
185.32	16,548	21,843	185.84	16,548	30,448
185.33	16,548	22,009	185.85	16,548	30,614
185.34	16,548	22,174	185.86	16,548	30,779
185.35	16,548	22,340	185.87	16,548	30,945
185.36	16,548	22,505	185.88	16,548	31,110
185.37	16,548	22,671	185.89	16,548	31,276
185.38	16,548	22,836	185.90	16,548	31,441
185.39	16,548	23,002	185.91	16,548	31,607
185.40	16,548	23,167	185.92	16,548	31,772
185.41	16,548	23,333	185.93	16,548	31,938
185.42	16,548	23,498	185.94	16,548	32,103
185.43	16,548	23,664	185.95	16,548	32,269
185.44	16,548	23,829	185.96	16,548	32,434
185.45	16,548	23,995	185.97	16,548	32,600
185.46	16,548	24,160	185.98	16,548	32,765
185.47	16,548	24,326	185.99	16,548	32,931
185.48	16,548	24,491	186.00	16,548	33,096
185.49	16,548	24,657	186.01	16,548	33,261
185.50	16,548	24,822	186.02	16,548	33,427
185.51	16,548	24,987	186.03	16,548	33,592
185.52	16,548	25,153	186.04	16,548	33,758
185.53	16,548	25,318	186.05	16,548	33,923
185.54	16,548	25,484	186.06	16,548	34,089
185.55	16,548	25,649	186.07	16,548	34,254

Stage-Area-Storage for Pond B-51: Basin #51 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
186.08	16,548	34,420	186.60	16,548	43,025
186.09	16,548	34,585	186.61	16,548	43,190
186.10	16,548	34,751	186.62	16,548	43,356
186.11	16,548	34,916	186.63	16,548	43,521
186.12	16,548	35,082	186.64	16,548	43,687
186.13	16,548	35,247	186.65	16,548	43,852
186.14	16,548	35,413	186.66	16,548	44,018
186.15	16,548	35,578	186.67	16,548	44,183
186.16	16,548	35,744	186.68	16,548	44,349
186.17	16,548	35,909	186.69	16,548	44,514
186.18	16,548	36,075	186.70	16,548	44,680
186.19	16,548	36,240	186.71	16,548	44,845
186.20	16,548	36,406	186.72	16,548	45,011
186.21	16,548	36,571	186.73	16,548	45,176
186.22	16,548	36,737	186.74	16,548	45,342
186.23	16,548	36,902	186.75	16,548	45,507
186.24	16,548	37,068	186.76	16,548	45,672
186.25	16,548	37,233	186.77	16,548	45,838
186.26	16,548	37,398	186.78	16,548	46,003
186.27	16,548	37,564	186.79	16,548	46,169
186.28	16,548	37,729	186.80	16,548	46,334
186.29	16,548	37,895	186.81	16,548	46,500
186.30	16,548	38,060	186.82	16,548	46,665
186.31	16,548	38,226	186.83	16,548	46,831
186.32	16,548	38,391	186.84	16,548	46,996
186.33	16,548	38,557	186.85	16,548	47,162
186.34	16,548	38,722	186.86	16,548	47,327
186.35	16,548	38,888	186.87	16,548	47,493
186.36	16,548	39,053	186.88	16,548	47,658
186.37	16,548	39,219	186.89	16,548	47,824
186.38	16,548	39,384	186.90	16,548	47,989
186.39	16,548	39,550	186.91	16,548	48,155
186.40	16,548	39,715	186.92	16,548	48,320
186.41	16,548	39,881	186.93	16,548	48,486
186.42	16,548	40,046	186.94	16,548	48,651
186.43	16,548	40,212	186.95	16,548	48,817
186.44	16,548	40,377	186.96	16,548	48,982
186.45	16,548	40,543	186.97	16,548	49,148
186.46	16,548	40,708	186.98	16,548	49,313
186.47	16,548	40,874	186.99	16,548	49,479
186.48	16,548	41,039	187.00	16,548	49,644
186.49	16,548	41,205	187.01	16,548	49,809
186.50	16,548	41,370	187.02	16,548	49,975
186.51	16,548	41,535	187.03	16,548	50,140
186.52	16,548	41,701	187.04	16,548	50,306
186.53	16,548	41,866	187.05	16,548	50,471
186.54	16,548	42,032	187.06	16,548	50,637
186.55	16,548	42,197	187.07	16,548	50,802
186.56	16,548	42,363	187.08	16,548	50,968
186.57	16,548	42,528	187.09	16,548	51,133
186.58	16,548	42,694	187.10	16,548	51,299
186.59	16,548	42,859	187.11	16,548	51,464

Stage-Area-Storage for Pond B-51: Basin #51 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
187.12	16,548	51,630	187.64	16,548	60,235
187.13	16,548	51,795	187.65	16,548	60,400
187.14	16,548	51,961	187.66	16,548	60,566
187.15	16,548	52,126	187.67	16,548	60,731
187.16	16,548	52,292	187.68	16,548	60,897
187.17	16,548	52,457	187.69	16,548	61,062
187.18	16,548	52,623	187.70	16,548	61,228
187.19	16,548	52,788	187.71	16,548	61,393
187.20	16,548	52,954	187.72	16,548	61,559
187.21	16,548	53,119	187.73	16,548	61,724
187.22	16,548	53,285	187.74	16,548	61,890
187.23	16,548	53,450	187.75	16,548	62,055
187.24	16,548	53,616	187.76	16,548	62,220
187.25	16,548	53,781	187.77	16,548	62,386
187.26	16,548	53,946	187.78	16,548	62,551
187.27	16,548	54,112	187.79	16,548	62,717
187.28	16,548	54,277	187.80	16,548	62,882
187.29	16,548	54,443	187.81	16,548	63,048
187.30	16,548	54,608	187.82	16,548	63,213
187.31	16,548	54,774	187.83	16,548	63,379
187.32	16,548	54,939	187.84	16,548	63,544
187.33	16,548	55,105	187.85	16,548	63,710
187.34	16,548	55,270	187.86	16,548	63,875
187.35	16,548	55,436	187.87	16,548	64,041
187.36	16,548	55,601	187.88	16,548	64,206
187.37	16,548	55,767	187.89	16,548	64,372
187.38	16,548	55,932	187.90	16,548	64,537
187.39	16,548	56,098	187.91	16,548	64,703
187.40	16,548	56,263	187.92	16,548	64,868
187.41	16,548	56,429	187.93	16,548	65,034
187.42	16,548	56,594	187.94	16,548	65,199
187.43	16,548	56,760	187.95	16,548	65,365
187.44	16,548	56,925	187.96	16,548	65,530
187.45	16,548	57,091	187.97	16,548	65,696
187.46	16,548	57,256	187.98	16,548	65,861
187.47	16,548	57,422	187.99	16,548	66,027
187.48	16,548	57,587	188.00	16,548	66,192
187.49	16,548	57,753	188.01	16,548	66,357
187.50	16,548	57,918	188.02	16,548	66,523
187.51	16,548	58,083	188.03	16,548	66,688
187.52	16,548	58,249	188.04	16,548	66,854
187.53	16,548	58,414	188.05	16,548	67,019
187.54	16,548	58,580	188.06	16,548	67,185
187.55	16,548	58,745	188.07	16,548	67,350
187.56	16,548	58,911	188.08	16,548	67,516
187.57	16,548	59,076	188.09	16,548	67,681
187.58	16,548	59,242	188.10	16,548	67,847
187.59	16,548	59,407	188.11	16,548	68,012
187.60	16,548	59,573	188.12	16,548	68,178
187.61	16,548	59,738	188.13	16,548	68,343
187.62	16,548	59,904	188.14	16,548	68,509
187.63	16,548	60,069	188.15	16,548	68,674

Stage-Area-Storage for Pond B-51: Basin #51 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
188.16	16,548	68,840	188.68	16,548	77,445
188.17	16,548	69,005	188.69	16,548	77,610
188.18	16,548	69,171	188.70	16,548	77,776
188.19	16,548	69,336	188.71	16,548	77,941
188.20	16,548	69,502	188.72	16,548	78,107
188.21	16,548	69,667	188.73	16,548	78,272
188.22	16,548	69,833	188.74	16,548	78,438
188.23	16,548	69,998	188.75	16,548	78,603
188.24	16,548	70,164	188.76	16,548	78,768
188.25	16,548	70,329	188.77	16,548	78,934
188.26	16,548	70,494	188.78	16,548	79,099
188.27	16,548	70,660	188.79	16,548	79,265
188.28	16,548	70,825	188.80	16,548	79,430
188.29	16,548	70,991	188.81	16,548	79,596
188.30	16,548	71,156	188.82	16,548	79,761
188.31	16,548	71,322	188.83	16,548	79,927
188.32	16,548	71,487	188.84	16,548	80,092
188.33	16,548	71,653	188.85	16,548	80,258
188.34	16,548	71,818	188.86	16,548	80,423
188.35	16,548	71,984	188.87	16,548	80,589
188.36	16,548	72,149	188.88	16,548	80,754
188.37	16,548	72,315	188.89	16,548	80,920
188.38	16,548	72,480	188.90	16,548	81,085
188.39	16,548	72,646	188.91	16,548	81,251
188.40	16,548	72,811	188.92	16,548	81,416
188.41	16,548	72,977	188.93	16,548	81,582
188.42	16,548	73,142	188.94	16,548	81,747
188.43	16,548	73,308	188.95	16,548	81,913
188.44	16,548	73,473	188.96	16,548	82,078
188.45	16,548	73,639	188.97	16,548	82,244
188.46	16,548	73,804	188.98	16,548	82,409
188.47	16,548	73,970	188.99	16,548	82,575
188.48	16,548	74,135	189.00	16,548	82,740
188.49	16,548	74,301	189.01	16,548	82,905
188.50	16,548	74,466	189.02	16,548	83,071
188.51	16,548	74,631	189.03	16,548	83,236
188.52	16,548	74,797	189.04	16,548	83,402
188.53	16,548	74,962	189.05	16,548	83,567
188.54	16,548	75,128	189.06	16,548	83,733
188.55	16,548	75,293	189.07	16,548	83,898
188.56	16,548	75,459	189.08	16,548	84,064
188.57	16,548	75,624	189.09	16,548	84,229
188.58	16,548	75,790	189.10	16,548	84,395
188.59	16,548	75,955	189.11	16,548	84,560
188.60	16,548	76,121	189.12	16,548	84,726
188.61	16,548	76,286	189.13	16,548	84,891
188.62	16,548	76,452	189.14	16,548	85,057
188.63	16,548	76,617	189.15	16,548	85,222
188.64	16,548	76,783	189.16	16,548	85,388
188.65	16,548	76,948	189.17	16,548	85,553
188.66	16,548	77,114	189.18	16,548	85,719
188.67	16,548	77,279	189.19	16,548	85,884

Stage-Area-Storage for Pond B-51: Basin #51 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
189.20	16,548	86,050
189.21	16,548	86,215
189.22	16,548	86,381
189.23	16,548	86,546
189.24	16,548	86,712
189.25	16,548	86,877
189.26	16,548	87,042
189.27	16,548	87,208
189.28	16,548	87,373
189.29	16,548	87,539
189.30	16,548	87,704
189.31	16,548	87,870
189.32	16,548	88,035
189.33	16,548	88,201
189.34	16,548	88,366
189.35	16,548	88,532
189.36	16,548	88,697
189.37	16,548	88,863
189.38	16,548	89,028
189.39	16,548	89,194
189.40	16,548	89,359
189.41	16,548	89,525
189.42	16,548	89,690
189.43	16,548	89,856
189.44	16,548	90,021
189.45	16,548	90,187
189.46	16,548	90,352
189.47	16,548	90,518
189.48	16,548	90,683
189.49	16,548	90,849
189.50	16,548	91,014
189.51	16,548	91,179
189.52	16,548	91,345
189.53	16,548	91,510
189.54	16,548	91,676
189.55	16,548	91,841
189.56	16,548	92,007
189.57	16,548	92,172
189.58	16,548	92,338
189.59	16,548	92,503
189.60	16,548	92,669
189.61	16,548	92,834
189.62	16,548	93,000
189.63	16,548	93,165
189.64	16,548	93,331
189.65	16,548	93,496
189.66	16,548	93,662
189.67	16,548	93,827
189.68	16,548	93,993
189.69	16,548	94,158
189.70	16,548	94,324
189.71	16,548	94,489
189.72	16,548	94,655
189.73	16,548	94,820
189.74	16,548	94,986
189.75	16,548	95,151
189.76	16,548	95,316
189.77	16,548	95,482
189.78	16,548	95,647
189.79	16,548	95,813
189.80	16,548	95,978
189.81	16,548	96,144
189.82	16,548	96,309
189.83	16,548	96,475
189.84	16,548	96,640
189.85	16,548	96,806
189.86	16,548	96,971
189.87	16,548	97,137
189.88	16,548	97,302
189.89	16,548	97,468
189.90	16,548	97,633
189.91	16,548	97,799
189.92	16,548	97,964
189.93	16,548	98,130
189.94	16,548	98,295
189.95	16,548	98,461
189.96	16,548	98,626
189.97	16,548	98,792
189.98	16,548	98,957
189.99	16,548	99,123
190.00	16,548	**99,288**

Summary for Pond B-52: Basin #52

Inflow Area = 1.423 ac, 34.43% Impervious, Inflow Depth = 2.22" for Future 2 yr event
Inflow = 2.97 cfs @ 12.08 hrs, Volume= 0.263 af
Outflow = 1.45 cfs @ 12.34 hrs, Volume= 0.215 af, Atten= 51%, Lag= 15.7 min
Primary = 1.45 cfs @ 12.34 hrs, Volume= 0.215 af
Routed to Pond B-51 : Basin #51

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 196.56' @ 12.34 hrs Surf.Area= 2,507 sf Storage= 5,098 cf

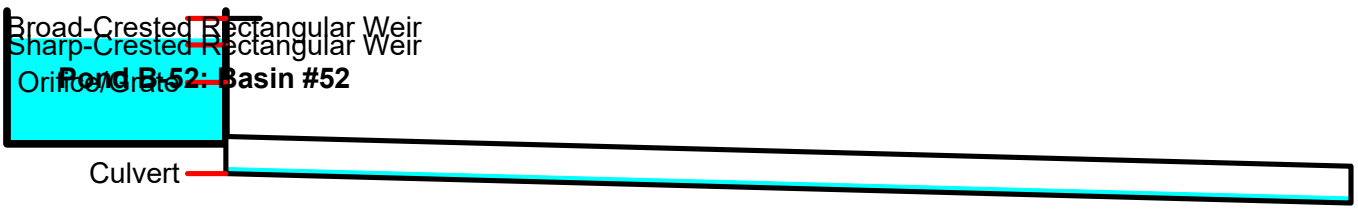
Plug-Flow detention time= 270.4 min calculated for 0.215 af (82% of inflow)
Center-of-Mass det. time= 191.4 min (989.9 - 798.5)

Volume	Invert	Avail.Storage	Storage Description
#1	193.00'	7,751 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

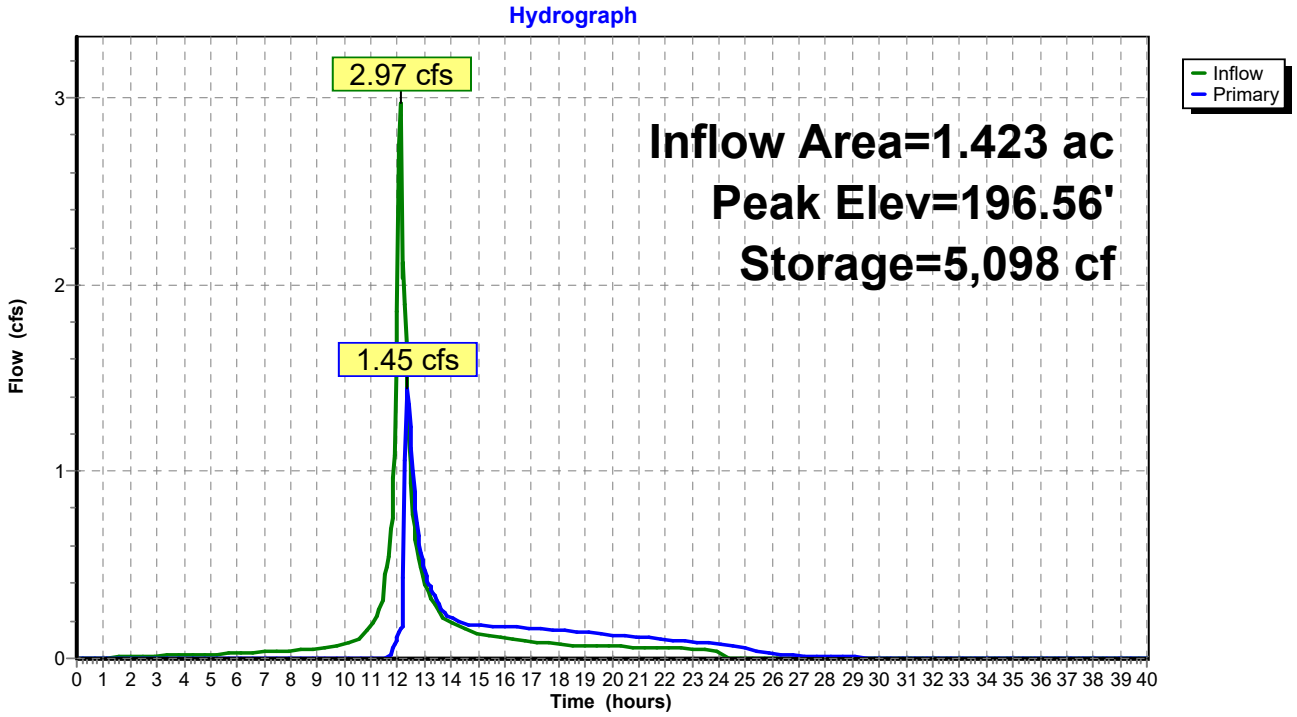
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
193.00	474	0	0
194.00	970	722	722
195.00	1,523	1,247	1,969
196.00	2,133	1,828	3,797
197.00	2,799	2,466	6,263
197.50	3,154	1,488	7,751

Device	Routing	Invert	Outlet Devices
#1	Primary	192.00'	**15.0" Round Culvert** L= 163.0' Ke= 0.500 Inlet / Outlet Invert= 192.00' / 191.00' S= 0.0061 '/' Cc= 0.900 n= 0.013, Flow Area= 1.23 sf
#2	Device 1	195.08'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	196.35'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	197.25'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=1.44 cfs @ 12.34 hrs HW=196.56' (Free Discharge)
- **1=Culvert** (Passes 1.44 cfs of 8.88 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.19 cfs @ 5.65 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 1.25 cfs @ 1.50 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-52: Basin #52



Hydrograph for Pond B-52: Basin #52

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	193.00	0.00
0.10	0.00	0	193.00	0.00
0.20	0.00	0	193.00	0.00
0.30	0.00	0	193.00	0.00
0.40	0.00	0	193.00	0.00
0.50	0.00	0	193.00	0.00
0.60	0.00	0	193.00	0.00
0.70	0.00	0	193.00	0.00
0.80	0.00	0	193.00	0.00
0.90	0.00	0	193.00	0.00
1.00	0.00	0	193.00	0.00
1.10	0.00	0	193.00	0.00
1.20	0.00	1	193.00	0.00
1.30	0.00	1	193.00	0.00
1.40	0.00	3	193.01	0.00
1.50	0.00	4	193.01	0.00
1.60	0.00	6	193.01	0.00
1.70	0.01	7	193.02	0.00
1.80	0.01	10	193.02	0.00
1.90	0.01	12	193.02	0.00
2.00	0.01	15	193.03	0.00
2.10	0.01	17	193.04	0.00
2.20	0.01	20	193.04	0.00
2.30	0.01	24	193.05	0.00
2.40	0.01	27	193.06	0.00
2.50	0.01	31	193.06	0.00
2.60	0.01	35	193.07	0.00
2.70	0.01	39	193.08	0.00
2.80	0.01	43	193.09	0.00
2.90	0.01	48	193.10	0.00
3.00	0.01	53	193.10	0.00
3.10	0.01	57	193.11	0.00
3.20	0.01	62	193.12	0.00
3.30	0.01	68	193.13	0.00
3.40	0.02	73	193.14	0.00
3.50	0.02	79	193.15	0.00
3.60	0.02	84	193.16	0.00
3.70	0.02	90	193.17	0.00
3.80	0.02	96	193.18	0.00
3.90	0.02	102	193.20	0.00
4.00	0.02	109	193.21	0.00
4.10	0.02	115	193.22	0.00
4.20	0.02	122	193.23	0.00
4.30	0.02	129	193.24	0.00
4.40	0.02	135	193.25	0.00
4.50	0.02	143	193.26	0.00
4.60	0.02	150	193.28	0.00
4.70	0.02	157	193.29	0.00
4.80	0.02	164	193.30	0.00
4.90	0.02	172	193.31	0.00
5.00	0.02	180	193.32	0.00
5.10	0.02	187	193.34	0.00

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.02	195	193.35	0.00
5.30	0.02	203	193.36	0.00
5.40	0.02	212	193.37	0.00
5.50	0.02	220	193.39	0.00
5.60	0.02	228	193.40	0.00
5.70	0.02	237	193.41	0.00
5.80	0.02	246	193.42	0.00
5.90	0.02	254	193.44	0.00
6.00	0.02	263	193.45	0.00
6.10	0.03	272	193.46	0.00
6.20	0.03	282	193.48	0.00
6.30	0.03	291	193.49	0.00
6.40	0.03	301	193.50	0.00
6.50	0.03	312	193.52	0.00
6.60	0.03	322	193.53	0.00
6.70	0.03	333	193.55	0.00
6.80	0.03	344	193.56	0.00
6.90	0.03	355	193.58	0.00
7.00	0.03	367	193.59	0.00
7.10	0.03	379	193.61	0.00
7.20	0.03	391	193.62	0.00
7.30	0.04	404	193.64	0.00
7.40	0.04	417	193.65	0.00
7.50	0.04	430	193.67	0.00
7.60	0.04	443	193.69	0.00
7.70	0.04	457	193.70	0.00
7.80	0.04	471	193.72	0.00
7.90	0.04	485	193.74	0.00
8.00	0.04	500	193.76	0.00
8.10	0.04	515	193.77	0.00
8.20	0.04	530	193.79	0.00
8.30	0.04	546	193.81	0.00
8.40	0.04	561	193.83	0.00
8.50	0.05	578	193.84	0.00
8.60	0.05	594	193.86	0.00
8.70	0.05	611	193.88	0.00
8.80	0.05	628	193.90	0.00
8.90	0.05	645	193.92	0.00
9.00	0.05	663	193.94	0.00
9.10	0.05	681	193.96	0.00
9.20	0.05	700	193.98	0.00
9.30	0.06	721	194.00	0.00
9.40	0.06	742	194.02	0.00
9.50	0.06	765	194.04	0.00
9.60	0.07	788	194.07	0.00
9.70	0.07	813	194.09	0.00
9.80	0.07	838	194.12	0.00
9.90	0.07	865	194.14	0.00
10.00	0.08	892	194.17	0.00
10.10	0.08	921	194.19	0.00
10.20	0.08	951	194.22	0.00
10.30	0.09	982	194.25	0.00

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.09	1,014	194.28	0.00
10.50	0.10	1,049	194.31	0.00
10.60	0.11	1,087	194.34	0.00
10.70	0.12	1,130	194.38	0.00
10.80	0.14	1,178	194.42	0.00
10.90	0.15	1,231	194.46	0.00
11.00	0.17	1,289	194.51	0.00
11.10	0.20	1,356	194.56	0.00
11.20	0.22	1,433	194.62	0.00
11.30	0.25	1,520	194.69	0.00
11.40	0.29	1,619	194.76	0.00
11.50	0.33	1,729	194.84	0.00
11.60	0.47	1,881	194.94	0.00
11.70	0.55	2,064	195.06	0.00
11.80	0.75	2,302	195.21	0.03
11.90	1.09	2,622	195.40	0.08
12.00	1.85	3,143	195.68	0.12
12.10	**2.91**	4,018	196.10	0.16
12.20	2.12	4,754	196.42	0.43
12.30	1.67	**5,082**	**196.55**	**1.39**
12.40	1.18	**5,072**	**196.55**	**1.36**
12.50	0.94	5,003	196.52	1.13
12.60	0.71	4,927	196.49	0.89
12.70	0.59	4,870	196.47	0.72
12.80	0.50	4,826	196.45	0.61
12.90	0.45	4,793	196.44	0.53
13.00	0.41	4,768	196.43	0.46
13.10	0.36	4,747	196.42	0.42
13.20	0.33	4,727	196.41	0.38
13.30	0.30	4,709	196.40	0.35
13.40	0.28	4,693	196.40	0.32
13.50	0.25	4,678	196.39	0.29
13.60	0.23	4,664	196.38	0.27
13.70	0.22	4,652	196.38	0.25
13.80	0.21	4,643	196.37	0.23
13.90	0.20	4,634	196.37	0.22
14.00	0.19	4,626	196.37	0.22
14.10	0.19	4,619	196.36	0.21
14.20	0.18	4,611	196.36	0.20
14.30	0.18	4,604	196.36	0.20
14.40	0.17	4,597	196.36	0.19
14.50	0.16	4,590	196.35	0.18
14.60	0.16	4,583	196.35	0.18
14.70	0.15	4,574	196.35	0.18
14.80	0.14	4,564	196.34	0.18
14.90	0.14	4,551	196.34	0.18
15.00	0.13	4,536	196.33	0.18
15.10	0.13	4,519	196.32	0.18
15.20	0.12	4,501	196.31	0.17
15.30	0.12	4,482	196.31	0.17
15.40	0.12	4,462	196.30	0.17
15.50	0.12	4,442	196.29	0.17

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.11	4,421	196.28	0.17
15.70	0.11	4,400	196.27	0.17
15.80	0.11	4,379	196.26	0.17
15.90	0.11	4,357	196.25	0.17
16.00	0.11	4,335	196.24	0.17
16.10	0.11	4,313	196.23	0.17
16.20	0.10	4,290	196.22	0.17
16.30	0.10	4,268	196.21	0.17
16.40	0.10	4,244	196.20	0.17
16.50	0.10	4,221	196.19	0.16
16.60	0.10	4,197	196.18	0.16
16.70	0.10	4,173	196.17	0.16
16.80	0.09	4,149	196.16	0.16
16.90	0.09	4,124	196.15	0.16
17.00	0.09	4,099	196.14	0.16
17.10	0.09	4,074	196.13	0.16
17.20	0.09	4,049	196.12	0.16
17.30	0.09	4,023	196.10	0.16
17.40	0.08	3,997	196.09	0.16
17.50	0.08	3,971	196.08	0.16
17.60	0.08	3,945	196.07	0.15
17.70	0.08	3,918	196.06	0.15
17.80	0.08	3,892	196.04	0.15
17.90	0.08	3,865	196.03	0.15
18.00	0.07	3,837	196.02	0.15
18.10	0.07	3,810	196.01	0.15
18.20	0.07	3,782	195.99	0.15
18.30	0.07	3,755	195.98	0.15
18.40	0.07	3,728	195.97	0.15
18.50	0.07	3,701	195.95	0.14
18.60	0.07	3,674	195.94	0.14
18.70	0.07	3,648	195.93	0.14
18.80	0.07	3,622	195.92	0.14
18.90	0.07	3,596	195.90	0.14
19.00	0.07	3,571	195.89	0.14
19.10	0.07	3,545	195.88	0.14
19.20	0.07	3,520	195.87	0.14
19.30	0.07	3,496	195.86	0.13
19.40	0.07	3,471	195.84	0.13
19.50	0.07	3,447	195.83	0.13
19.60	0.07	3,423	195.82	0.13
19.70	0.06	3,400	195.81	0.13
19.80	0.06	3,377	195.80	0.13
19.90	0.06	3,354	195.79	0.13
20.00	0.06	3,331	195.77	0.13
20.10	0.06	3,309	195.76	0.12
20.20	0.06	3,287	195.75	0.12
20.30	0.06	3,265	195.74	0.12
20.40	0.06	3,243	195.73	0.12
20.50	0.06	3,222	195.72	0.12
20.60	0.06	3,201	195.71	0.12
20.70	0.06	3,180	195.70	0.12

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.06	3,160	195.69	0.12
20.90	0.06	3,140	195.68	0.12
21.00	0.06	3,120	195.67	0.11
21.10	0.06	3,101	195.66	0.11
21.20	0.06	3,081	195.65	0.11
21.30	0.06	3,062	195.64	0.11
21.40	0.06	3,044	195.63	0.11
21.50	0.06	3,025	195.62	0.11
21.60	0.06	3,007	195.61	0.11
21.70	0.06	2,989	195.60	0.11
21.80	0.06	2,972	195.59	0.10
21.90	0.06	2,954	195.58	0.10
22.00	0.06	2,937	195.57	0.10
22.10	0.05	2,921	195.56	0.10
22.20	0.05	2,904	195.55	0.10
22.30	0.05	2,888	195.54	0.10
22.40	0.05	2,872	195.54	0.10
22.50	0.05	2,856	195.53	0.10
22.60	0.05	2,841	195.52	0.09
22.70	0.05	2,826	195.51	0.09
22.80	0.05	2,811	195.50	0.09
22.90	0.05	2,796	195.49	0.09
23.00	0.05	2,782	195.49	0.09
23.10	0.05	2,768	195.48	0.09
23.20	0.05	2,754	195.47	0.09
23.30	0.05	2,741	195.46	0.09
23.40	0.05	2,727	195.46	0.09
23.50	0.05	2,714	195.45	0.08
23.60	0.05	2,702	195.44	0.08
23.70	0.05	2,689	195.44	0.08
23.80	0.05	2,677	195.43	0.08
23.90	0.05	2,665	195.42	0.08
24.00	0.05	2,654	195.42	0.08
24.10	0.03	2,638	195.41	0.08
24.20	0.01	2,618	195.40	0.08
24.30	0.00	2,594	195.38	0.07
24.40	0.00	2,570	195.37	0.07
24.50	0.00	2,545	195.35	0.07
24.60	0.00	2,521	195.34	0.06
24.70	0.00	2,499	195.33	0.06
24.80	0.00	2,477	195.31	0.06
24.90	0.00	2,456	195.30	0.06
25.00	0.00	2,436	195.29	0.05
25.10	0.00	2,418	195.28	0.05
25.20	0.00	2,400	195.27	0.05
25.30	0.00	2,384	195.26	0.04
25.40	0.00	2,368	195.25	0.04
25.50	0.00	2,354	195.24	0.04
25.60	0.00	2,340	195.23	0.04
25.70	0.00	2,328	195.23	0.03
25.80	0.00	2,317	195.22	0.03
25.90	0.00	2,306	195.21	0.03

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	2,296	195.21	0.03
26.10	0.00	2,287	195.20	0.02
26.20	0.00	2,278	195.20	0.02
26.30	0.00	2,271	195.19	0.02
26.40	0.00	2,263	195.19	0.02
26.50	0.00	2,256	195.18	0.02
26.60	0.00	2,250	195.18	0.02
26.70	0.00	2,244	195.17	0.02
26.80	0.00	2,238	195.17	0.02
26.90	0.00	2,233	195.17	0.01
27.00	0.00	2,228	195.16	0.01
27.10	0.00	2,223	195.16	0.01
27.20	0.00	2,219	195.16	0.01
27.30	0.00	2,215	195.16	0.01
27.40	0.00	2,211	195.15	0.01
27.50	0.00	2,208	195.15	0.01
27.60	0.00	2,204	195.15	0.01
27.70	0.00	2,201	195.15	0.01
27.80	0.00	2,197	195.15	0.01
27.90	0.00	2,194	195.14	0.01
28.00	0.00	2,191	195.14	0.01
28.10	0.00	2,189	195.14	0.01
28.20	0.00	2,186	195.14	0.01
28.30	0.00	2,183	195.14	0.01
28.40	0.00	2,181	195.14	0.01
28.50	0.00	2,179	195.13	0.01
28.60	0.00	2,176	195.13	0.01
28.70	0.00	2,174	195.13	0.01
28.80	0.00	2,172	195.13	0.01
28.90	0.00	2,170	195.13	0.01
29.00	0.00	2,168	195.13	0.01
29.10	0.00	2,167	195.13	0.00
29.20	0.00	2,165	195.13	0.00
29.30	0.00	2,163	195.12	0.00
29.40	0.00	2,162	195.12	0.00
29.50	0.00	2,160	195.12	0.00
29.60	0.00	2,159	195.12	0.00
29.70	0.00	2,158	195.12	0.00
29.80	0.00	2,156	195.12	0.00
29.90	0.00	2,155	195.12	0.00
30.00	0.00	2,154	195.12	0.00
30.10	0.00	2,153	195.12	0.00
30.20	0.00	2,152	195.12	0.00
30.30	0.00	2,151	195.12	0.00
30.40	0.00	2,150	195.12	0.00
30.50	0.00	2,149	195.12	0.00
30.60	0.00	2,148	195.12	0.00
30.70	0.00	2,147	195.11	0.00
30.80	0.00	2,146	195.11	0.00
30.90	0.00	2,145	195.11	0.00
31.00	0.00	2,144	195.11	0.00
31.10	0.00	2,144	195.11	0.00

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	2,143	195.11	0.00
31.30	0.00	2,142	195.11	0.00
31.40	0.00	2,141	195.11	0.00
31.50	0.00	2,141	195.11	0.00
31.60	0.00	2,140	195.11	0.00
31.70	0.00	2,139	195.11	0.00
31.80	0.00	2,138	195.11	0.00
31.90	0.00	2,138	195.11	0.00
32.00	0.00	2,137	195.11	0.00
32.10	0.00	2,136	195.11	0.00
32.20	0.00	2,136	195.11	0.00
32.30	0.00	2,135	195.11	0.00
32.40	0.00	2,134	195.11	0.00
32.50	0.00	2,134	195.11	0.00
32.60	0.00	2,133	195.11	0.00
32.70	0.00	2,132	195.11	0.00
32.80	0.00	2,132	195.10	0.00
32.90	0.00	2,131	195.10	0.00
33.00	0.00	2,130	195.10	0.00
33.10	0.00	2,130	195.10	0.00
33.20	0.00	2,129	195.10	0.00
33.30	0.00	2,129	195.10	0.00
33.40	0.00	2,128	195.10	0.00
33.50	0.00	2,128	195.10	0.00
33.60	0.00	2,127	195.10	0.00
33.70	0.00	2,126	195.10	0.00
33.80	0.00	2,126	195.10	0.00
33.90	0.00	2,125	195.10	0.00
34.00	0.00	2,125	195.10	0.00
34.10	0.00	2,124	195.10	0.00
34.20	0.00	2,124	195.10	0.00
34.30	0.00	2,123	195.10	0.00
34.40	0.00	2,123	195.10	0.00
34.50	0.00	2,122	195.10	0.00
34.60	0.00	2,122	195.10	0.00
34.70	0.00	2,122	195.10	0.00
34.80	0.00	2,121	195.10	0.00
34.90	0.00	2,121	195.10	0.00
35.00	0.00	2,120	195.10	0.00
35.10	0.00	2,120	195.10	0.00
35.20	0.00	2,119	195.10	0.00
35.30	0.00	2,119	195.10	0.00
35.40	0.00	2,118	195.10	0.00
35.50	0.00	2,118	195.10	0.00
35.60	0.00	2,118	195.10	0.00
35.70	0.00	2,117	195.10	0.00
35.80	0.00	2,117	195.10	0.00
35.90	0.00	2,117	195.10	0.00
36.00	0.00	2,116	195.10	0.00
36.10	0.00	2,116	195.09	0.00
36.20	0.00	2,115	195.09	0.00
36.30	0.00	2,115	195.09	0.00

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	2,115	195.09	0.00
36.50	0.00	2,114	195.09	0.00
36.60	0.00	2,114	195.09	0.00
36.70	0.00	2,114	195.09	0.00
36.80	0.00	2,113	195.09	0.00
36.90	0.00	2,113	195.09	0.00
37.00	0.00	2,113	195.09	0.00
37.10	0.00	2,112	195.09	0.00
37.20	0.00	2,112	195.09	0.00
37.30	0.00	2,112	195.09	0.00
37.40	0.00	2,111	195.09	0.00
37.50	0.00	2,111	195.09	0.00
37.60	0.00	2,111	195.09	0.00
37.70	0.00	2,111	195.09	0.00
37.80	0.00	2,110	195.09	0.00
37.90	0.00	2,110	195.09	0.00
38.00	0.00	2,110	195.09	0.00
38.10	0.00	2,109	195.09	0.00
38.20	0.00	2,109	195.09	0.00
38.30	0.00	2,109	195.09	0.00
38.40	0.00	2,109	195.09	0.00
38.50	0.00	2,108	195.09	0.00
38.60	0.00	2,108	195.09	0.00
38.70	0.00	2,108	195.09	0.00
38.80	0.00	2,108	195.09	0.00
38.90	0.00	2,107	195.09	0.00
39.00	0.00	2,107	195.09	0.00
39.10	0.00	2,107	195.09	0.00
39.20	0.00	2,107	195.09	0.00
39.30	0.00	2,107	195.09	0.00
39.40	0.00	2,106	195.09	0.00
39.50	0.00	2,106	195.09	0.00
39.60	0.00	2,106	195.09	0.00
39.70	0.00	2,106	195.09	0.00
39.80	0.00	2,105	195.09	0.00
39.90	0.00	2,105	195.09	0.00
40.00	0.00	2,105	195.09	0.00

Stage-Discharge for Pond B-52: Basin #52

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
193.00	0.00	193.52	0.00	194.04	0.00	194.56	0.00
193.01	0.00	193.53	0.00	194.05	0.00	194.57	0.00
193.02	0.00	193.54	0.00	194.06	0.00	194.58	0.00
193.03	0.00	193.55	0.00	194.07	0.00	194.59	0.00
193.04	0.00	193.56	0.00	194.08	0.00	194.60	0.00
193.05	0.00	193.57	0.00	194.09	0.00	194.61	0.00
193.06	0.00	193.58	0.00	194.10	0.00	194.62	0.00
193.07	0.00	193.59	0.00	194.11	0.00	194.63	0.00
193.08	0.00	193.60	0.00	194.12	0.00	194.64	0.00
193.09	0.00	193.61	0.00	194.13	0.00	194.65	0.00
193.10	0.00	193.62	0.00	194.14	0.00	194.66	0.00
193.11	0.00	193.63	0.00	194.15	0.00	194.67	0.00
193.12	0.00	193.64	0.00	194.16	0.00	194.68	0.00
193.13	0.00	193.65	0.00	194.17	0.00	194.69	0.00
193.14	0.00	193.66	0.00	194.18	0.00	194.70	0.00
193.15	0.00	193.67	0.00	194.19	0.00	194.71	0.00
193.16	0.00	193.68	0.00	194.20	0.00	194.72	0.00
193.17	0.00	193.69	0.00	194.21	0.00	194.73	0.00
193.18	0.00	193.70	0.00	194.22	0.00	194.74	0.00
193.19	0.00	193.71	0.00	194.23	0.00	194.75	0.00
193.20	0.00	193.72	0.00	194.24	0.00	194.76	0.00
193.21	0.00	193.73	0.00	194.25	0.00	194.77	0.00
193.22	0.00	193.74	0.00	194.26	0.00	194.78	0.00
193.23	0.00	193.75	0.00	194.27	0.00	194.79	0.00
193.24	0.00	193.76	0.00	194.28	0.00	194.80	0.00
193.25	0.00	193.77	0.00	194.29	0.00	194.81	0.00
193.26	0.00	193.78	0.00	194.30	0.00	194.82	0.00
193.27	0.00	193.79	0.00	194.31	0.00	194.83	0.00
193.28	0.00	193.80	0.00	194.32	0.00	194.84	0.00
193.29	0.00	193.81	0.00	194.33	0.00	194.85	0.00
193.30	0.00	193.82	0.00	194.34	0.00	194.86	0.00
193.31	0.00	193.83	0.00	194.35	0.00	194.87	0.00
193.32	0.00	193.84	0.00	194.36	0.00	194.88	0.00
193.33	0.00	193.85	0.00	194.37	0.00	194.89	0.00
193.34	0.00	193.86	0.00	194.38	0.00	194.90	0.00
193.35	0.00	193.87	0.00	194.39	0.00	194.91	0.00
193.36	0.00	193.88	0.00	194.40	0.00	194.92	0.00
193.37	0.00	193.89	0.00	194.41	0.00	194.93	0.00
193.38	0.00	193.90	0.00	194.42	0.00	194.94	0.00
193.39	0.00	193.91	0.00	194.43	0.00	194.95	0.00
193.40	0.00	193.92	0.00	194.44	0.00	194.96	0.00
193.41	0.00	193.93	0.00	194.45	0.00	194.97	0.00
193.42	0.00	193.94	0.00	194.46	0.00	194.98	0.00
193.43	0.00	193.95	0.00	194.47	0.00	194.99	0.00
193.44	0.00	193.96	0.00	194.48	0.00	195.00	0.00
193.45	0.00	193.97	0.00	194.49	0.00	195.01	0.00
193.46	0.00	193.98	0.00	194.50	0.00	195.02	0.00
193.47	0.00	193.99	0.00	194.51	0.00	195.03	0.00
193.48	0.00	194.00	0.00	194.52	0.00	195.04	0.00
193.49	0.00	194.01	0.00	194.53	0.00	195.05	0.00
193.50	0.00	194.02	0.00	194.54	0.00	195.06	0.00
193.51	0.00	194.03	0.00	194.55	0.00	195.07	0.00

Stage-Discharge for Pond B-52: Basin #52 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
195.08	0.00	195.60	0.11	196.12	0.16	196.64	2.21
195.09	0.00	195.61	0.11	196.13	0.16	196.65	2.32
195.10	0.00	195.62	0.11	196.14	0.16	196.66	2.42
195.11	0.00	195.63	0.11	196.15	0.16	196.67	2.53
195.12	0.00	195.64	0.11	196.16	0.16	196.68	2.64
195.13	0.00	195.65	0.11	196.17	0.16	196.69	2.75
195.14	0.01	195.66	0.11	196.18	0.16	196.70	2.86
195.15	0.01	195.67	0.11	196.19	0.16	196.71	2.98
195.16	0.01	195.68	0.12	196.20	0.17	196.72	3.09
195.17	0.01	195.69	0.12	196.21	0.17	196.73	3.21
195.18	0.02	195.70	0.12	196.22	0.17	196.74	3.33
195.19	0.02	195.71	0.12	196.23	0.17	196.75	3.45
195.20	0.02	195.72	0.12	196.24	0.17	196.76	3.57
195.21	0.03	195.73	0.12	196.25	0.17	196.77	3.69
195.22	0.03	195.74	0.12	196.26	0.17	196.78	3.82
195.23	0.03	195.75	0.12	196.27	0.17	196.79	3.94
195.24	0.04	195.76	0.12	196.28	0.17	196.80	4.07
195.25	0.04	195.77	0.13	196.29	0.17	196.81	4.20
195.26	0.05	195.78	0.13	196.30	0.17	196.82	4.33
195.27	0.05	195.79	0.13	196.31	0.17	196.83	4.46
195.28	0.05	195.80	0.13	196.32	0.17	196.84	4.59
195.29	0.05	195.81	0.13	196.33	0.18	196.85	4.72
195.30	0.06	195.82	0.13	196.34	0.18	196.86	4.85
195.31	0.06	195.83	0.13	196.35	0.18	196.87	4.99
195.32	0.06	195.84	0.13	196.36	0.19	196.88	5.13
195.33	0.06	195.85	0.13	196.37	0.22	196.89	5.26
195.34	0.06	195.86	0.13	196.38	0.25	196.90	5.40
195.35	0.07	195.87	0.14	196.39	0.28	196.91	5.54
195.36	0.07	195.88	0.14	196.40	0.33	196.92	5.68
195.37	0.07	195.89	0.14	196.41	0.37	196.93	5.83
195.38	0.07	195.90	0.14	196.42	0.42	196.94	5.97
195.39	0.07	195.91	0.14	196.43	0.48	196.95	6.11
195.40	0.08	195.92	0.14	196.44	0.54	196.96	6.26
195.41	0.08	195.93	0.14	196.45	0.60	196.97	6.41
195.42	0.08	195.94	0.14	196.46	0.66	196.98	6.55
195.43	0.08	195.95	0.14	196.47	0.73	196.99	6.70
195.44	0.08	195.96	0.14	196.48	0.80	197.00	6.85
195.45	0.08	195.97	0.15	196.49	0.87	197.01	7.00
195.46	0.09	195.98	0.15	196.50	0.94	197.02	7.16
195.47	0.09	195.99	0.15	196.51	1.02	197.03	7.31
195.48	0.09	196.00	0.15	196.52	1.10	197.04	7.46
195.49	0.09	196.01	0.15	196.53	1.18	197.05	7.62
195.50	0.09	196.02	0.15	196.54	1.26	197.06	7.77
195.51	0.09	196.03	0.15	196.55	1.35	197.07	7.93
195.52	0.10	196.04	0.15	196.56	1.44	197.08	8.09
195.53	0.10	196.05	0.15	196.57	1.53	197.09	8.24
195.54	0.10	196.06	0.15	196.58	1.62	197.10	8.40
195.55	0.10	196.07	0.15	196.59	1.71	197.11	8.56
195.56	0.10	196.08	0.16	196.60	1.81	197.12	8.73
195.57	0.10	196.09	0.16	196.61	1.91	197.13	8.89
195.58	0.10	196.10	0.16	196.62	2.01	197.14	9.05
195.59	0.10	196.11	0.16	196.63	2.11	197.15	9.22

Stage-Discharge for Pond B-52: Basin #52 (continued)

Elevation (feet)	Primary (cfs)
197.16	9.38
197.17	9.49
197.18	9.50
197.19	9.51
197.20	9.52
197.21	9.53
197.22	9.54
197.23	9.55
197.24	9.55
197.25	9.56
197.26	9.69
197.27	9.91
197.28	10.20
197.29	10.54
197.30	10.92
197.31	11.35
197.32	11.81
197.33	12.30
197.34	12.82
197.35	13.38
197.36	13.96
197.37	14.57
197.38	15.21
197.39	15.87
197.40	16.55
197.41	17.26
197.42	17.99
197.43	18.75
197.44	19.52
197.45	20.32
197.46	21.17
197.47	22.06
197.48	22.96
197.49	23.90
197.50	**24.85**

Stage-Area-Storage for Pond B-52: Basin #52

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
193.00	474	0	193.52	732	314
193.01	479	5	193.53	737	321
193.02	484	10	193.54	742	328
193.03	489	14	193.55	747	336
193.04	494	19	193.56	752	343
193.05	499	24	193.57	757	351
193.06	504	29	193.58	762	358
193.07	509	34	193.59	767	366
193.08	514	40	193.60	772	374
193.09	519	45	193.61	777	381
193.10	524	50	193.62	782	389
193.11	529	55	193.63	786	397
193.12	534	60	193.64	791	405
193.13	538	66	193.65	796	413
193.14	543	71	193.66	801	421
193.15	548	77	193.67	806	429
193.16	553	82	193.68	811	437
193.17	558	88	193.69	816	445
193.18	563	93	193.70	821	453
193.19	568	99	193.71	826	462
193.20	573	105	193.72	831	470
193.21	578	110	193.73	836	478
193.22	583	116	193.74	841	487
193.23	588	122	193.75	846	495
193.24	593	128	193.76	851	503
193.25	598	134	193.77	856	512
193.26	603	140	193.78	861	521
193.27	608	146	193.79	866	529
193.28	613	152	193.80	871	538
193.29	618	158	193.81	876	547
193.30	623	165	193.82	881	555
193.31	628	171	193.83	886	564
193.32	633	177	193.84	891	573
193.33	638	183	193.85	896	582
193.34	643	190	193.86	901	591
193.35	648	196	193.87	906	600
193.36	653	203	193.88	910	609
193.37	658	209	193.89	915	618
193.38	662	216	193.90	920	627
193.39	667	223	193.91	925	637
193.40	672	229	193.92	930	646
193.41	677	236	193.93	935	655
193.42	682	243	193.94	940	665
193.43	687	250	193.95	945	674
193.44	692	257	193.96	950	684
193.45	697	264	193.97	955	693
193.46	702	271	193.98	960	703
193.47	707	278	193.99	965	712
193.48	712	285	194.00	970	722
193.49	717	292	194.01	976	732
193.50	722	299	194.02	981	742
193.51	727	306	194.03	987	751

Stage-Area-Storage for Pond B-52: Basin #52 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
194.04	992	761	194.56	1,280	1,352
194.05	998	771	194.57	1,285	1,365
194.06	1,003	781	194.58	1,291	1,378
194.07	1,009	791	194.59	1,296	1,391
194.08	1,014	801	194.60	1,302	1,404
194.09	1,020	812	194.61	1,307	1,417
194.10	1,025	822	194.62	1,313	1,430
194.11	1,031	832	194.63	1,318	1,443
194.12	1,036	842	194.64	1,324	1,456
194.13	1,042	853	194.65	1,329	1,469
194.14	1,047	863	194.66	1,335	1,483
194.15	1,053	874	194.67	1,341	1,496
194.16	1,058	884	194.68	1,346	1,509
194.17	1,064	895	194.69	1,352	1,523
194.18	1,070	906	194.70	1,357	1,536
194.19	1,075	916	194.71	1,363	1,550
194.20	1,081	927	194.72	1,368	1,564
194.21	1,086	938	194.73	1,374	1,577
194.22	1,092	949	194.74	1,379	1,591
194.23	1,097	960	194.75	1,385	1,605
194.24	1,103	971	194.76	1,390	1,619
194.25	1,108	982	194.77	1,396	1,633
194.26	1,114	993	194.78	1,401	1,647
194.27	1,119	1,004	194.79	1,407	1,661
194.28	1,125	1,015	194.80	1,412	1,675
194.29	1,130	1,027	194.81	1,418	1,689
194.30	1,136	1,038	194.82	1,423	1,703
194.31	1,141	1,049	194.83	1,429	1,718
194.32	1,147	1,061	194.84	1,435	1,732
194.33	1,152	1,072	194.85	1,440	1,746
194.34	1,158	1,084	194.86	1,446	1,761
194.35	1,164	1,095	194.87	1,451	1,775
194.36	1,169	1,107	194.88	1,457	1,790
194.37	1,175	1,119	194.89	1,462	1,804
194.38	1,180	1,131	194.90	1,468	1,819
194.39	1,186	1,142	194.91	1,473	1,834
194.40	1,191	1,154	194.92	1,479	1,848
194.41	1,197	1,166	194.93	1,484	1,863
194.42	1,202	1,178	194.94	1,490	1,878
194.43	1,208	1,190	194.95	1,495	1,893
194.44	1,213	1,202	194.96	1,501	1,908
194.45	1,219	1,214	194.97	1,506	1,923
194.46	1,224	1,227	194.98	1,512	1,938
194.47	1,230	1,239	194.99	1,517	1,953
194.48	1,235	1,251	195.00	1,523	1,969
194.49	1,241	1,264	195.01	1,529	1,984
194.50	1,247	1,276	195.02	1,535	1,999
194.51	1,252	1,289	195.03	1,541	2,014
194.52	1,258	1,301	195.04	1,547	2,030
194.53	1,263	1,314	195.05	1,554	2,045
194.54	1,269	1,326	195.06	1,560	2,061
194.55	1,274	1,339	195.07	1,566	2,077

Stage-Area-Storage for Pond B-52: Basin #52 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
195.08	1,572	2,092	195.60	1,889	2,992
195.09	1,578	2,108	195.61	1,895	3,011
195.10	1,584	2,124	195.62	1,901	3,030
195.11	1,590	2,140	195.63	1,907	3,049
195.12	1,596	2,156	195.64	1,913	3,068
195.13	1,602	2,172	195.65	1,920	3,087
195.14	1,608	2,188	195.66	1,926	3,107
195.15	1,615	2,204	195.67	1,932	3,126
195.16	1,621	2,220	195.68	1,938	3,145
195.17	1,627	2,236	195.69	1,944	3,165
195.18	1,633	2,253	195.70	1,950	3,184
195.19	1,639	2,269	195.71	1,956	3,204
195.20	1,645	2,285	195.72	1,962	3,223
195.21	1,651	2,302	195.73	1,968	3,243
195.22	1,657	2,318	195.74	1,974	3,263
195.23	1,663	2,335	195.75	1,981	3,282
195.24	1,669	2,352	195.76	1,987	3,302
195.25	1,676	2,368	195.77	1,993	3,322
195.26	1,682	2,385	195.78	1,999	3,342
195.27	1,688	2,402	195.79	2,005	3,362
195.28	1,694	2,419	195.80	2,011	3,382
195.29	1,700	2,436	195.81	2,017	3,402
195.30	1,706	2,453	195.82	2,023	3,422
195.31	1,712	2,470	195.83	2,029	3,443
195.32	1,718	2,487	195.84	2,035	3,463
195.33	1,724	2,504	195.85	2,041	3,483
195.34	1,730	2,522	195.86	2,048	3,504
195.35	1,736	2,539	195.87	2,054	3,524
195.36	1,743	2,556	195.88	2,060	3,545
195.37	1,749	2,574	195.89	2,066	3,566
195.38	1,755	2,591	195.90	2,072	3,586
195.39	1,761	2,609	195.91	2,078	3,607
195.40	1,767	2,627	195.92	2,084	3,628
195.41	1,773	2,644	195.93	2,090	3,649
195.42	1,779	2,662	195.94	2,096	3,670
195.43	1,785	2,680	195.95	2,102	3,691
195.44	1,791	2,698	195.96	2,109	3,712
195.45	1,797	2,716	195.97	2,115	3,733
195.46	1,804	2,734	195.98	2,121	3,754
195.47	1,810	2,752	195.99	2,127	3,775
195.48	1,816	2,770	196.00	2,133	3,797
195.49	1,822	2,788	196.01	2,140	3,818
195.50	1,828	2,806	196.02	2,146	3,839
195.51	1,834	2,825	196.03	2,153	3,861
195.52	1,840	2,843	196.04	2,160	3,882
195.53	1,846	2,861	196.05	2,166	3,904
195.54	1,852	2,880	196.06	2,173	3,926
195.55	1,859	2,898	196.07	2,180	3,947
195.56	1,865	2,917	196.08	2,186	3,969
195.57	1,871	2,936	196.09	2,193	3,991
195.58	1,877	2,954	196.10	2,200	4,013
195.59	1,883	2,973	196.11	2,206	4,035

Stage-Area-Storage for Pond B-52: Basin #52 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
196.12	2,213	4,057	196.64	2,559	5,298
196.13	2,220	4,079	196.65	2,566	5,324
196.14	2,226	4,102	196.66	2,573	5,349
196.15	2,233	4,124	196.67	2,579	5,375
196.16	2,240	4,146	196.68	2,586	5,401
196.17	2,246	4,169	196.69	2,593	5,427
196.18	2,253	4,191	196.70	2,599	5,453
196.19	2,260	4,214	196.71	2,606	5,479
196.20	2,266	4,236	196.72	2,613	5,505
196.21	2,273	4,259	196.73	2,619	5,531
196.22	2,280	4,282	196.74	2,626	5,557
196.23	2,286	4,305	196.75	2,633	5,584
196.24	2,293	4,328	196.76	2,639	5,610
196.25	2,300	4,351	196.77	2,646	5,636
196.26	2,306	4,374	196.78	2,652	5,663
196.27	2,313	4,397	196.79	2,659	5,689
196.28	2,319	4,420	196.80	2,666	5,716
196.29	2,326	4,443	196.81	2,672	5,743
196.30	2,333	4,466	196.82	2,679	5,769
196.31	2,339	4,490	196.83	2,686	5,796
196.32	2,346	4,513	196.84	2,692	5,823
196.33	2,353	4,537	196.85	2,699	5,850
196.34	2,359	4,560	196.86	2,706	5,877
196.35	2,366	4,584	196.87	2,712	5,904
196.36	2,373	4,608	196.88	2,719	5,931
196.37	2,379	4,631	196.89	2,726	5,959
196.38	2,386	4,655	196.90	2,732	5,986
196.39	2,393	4,679	196.91	2,739	6,013
196.40	2,399	4,703	196.92	2,746	6,041
196.41	2,406	4,727	196.93	2,752	6,068
196.42	2,413	4,751	196.94	2,759	6,096
196.43	2,419	4,775	196.95	2,766	6,123
196.44	2,426	4,799	196.96	2,772	6,151
196.45	2,433	4,824	196.97	2,779	6,179
196.46	2,439	4,848	196.98	2,786	6,207
196.47	2,446	4,873	196.99	2,792	6,235
196.48	2,453	4,897	197.00	2,799	6,263
196.49	2,459	4,922	197.01	2,806	6,291
196.50	2,466	4,946	197.02	2,813	6,319
196.51	2,473	4,971	197.03	2,820	6,347
196.52	2,479	4,996	197.04	2,827	6,375
196.53	2,486	5,021	197.05	2,835	6,403
196.54	2,493	5,045	197.06	2,842	6,432
196.55	2,499	5,070	197.07	2,849	6,460
196.56	2,506	5,095	197.08	2,856	6,489
196.57	2,513	5,121	197.09	2,863	6,517
196.58	2,519	5,146	197.10	2,870	6,546
196.59	2,526	5,171	197.11	2,877	6,575
196.60	2,533	5,196	197.12	2,884	6,603
196.61	2,539	5,222	197.13	2,891	6,632
196.62	2,546	5,247	197.14	2,898	6,661
196.63	2,553	5,272	197.15	2,906	6,690

Stage-Area-Storage for Pond B-52: Basin #52 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
197.16	2,913	6,719
197.17	2,920	6,749
197.18	2,927	6,778
197.19	2,934	6,807
197.20	2,941	6,836
197.21	2,948	6,866
197.22	2,955	6,895
197.23	2,962	6,925
197.24	2,969	6,955
197.25	2,977	6,984
197.26	2,984	7,014
197.27	2,991	7,044
197.28	2,998	7,074
197.29	3,005	7,104
197.30	3,012	7,134
197.31	3,019	7,164
197.32	3,026	7,195
197.33	3,033	7,225
197.34	3,040	7,255
197.35	3,047	7,286
197.36	3,055	7,316
197.37	3,062	7,347
197.38	3,069	7,377
197.39	3,076	7,408
197.40	3,083	7,439
197.41	3,090	7,470
197.42	3,097	7,501
197.43	3,104	7,532
197.44	3,111	7,563
197.45	3,118	7,594
197.46	3,126	7,625
197.47	3,133	7,656
197.48	3,140	7,688
197.49	3,147	7,719
197.50	**3,154**	**7,751**

Summary for Pond B-53: Basin #53

Inflow Area = 2.540 ac, 47.80% Impervious, Inflow Depth = 2.50" for Future 2 yr event
Inflow = 7.94 cfs @ 12.10 hrs, Volume= 0.530 af
Outflow = 2.54 cfs @ 12.28 hrs, Volume= 0.418 af, Atten= 68%, Lag= 10.7 min
Primary = 2.54 cfs @ 12.28 hrs, Volume= 0.418 af
Routed to Pond B-51 : Basin #51

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 202.10' @ 12.28 hrs Surf.Area= 4,749 sf Storage= 9,963 cf

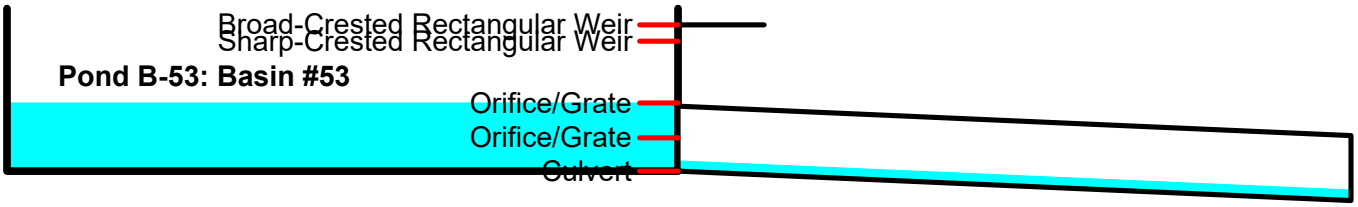
Plug-Flow detention time= 180.5 min calculated for 0.417 af (79% of inflow)
Center-of-Mass det. time= 95.6 min (878.6 - 783.0)

Volume	Invert	Avail.Storage	Storage Description
#1	200.00'	23,745 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

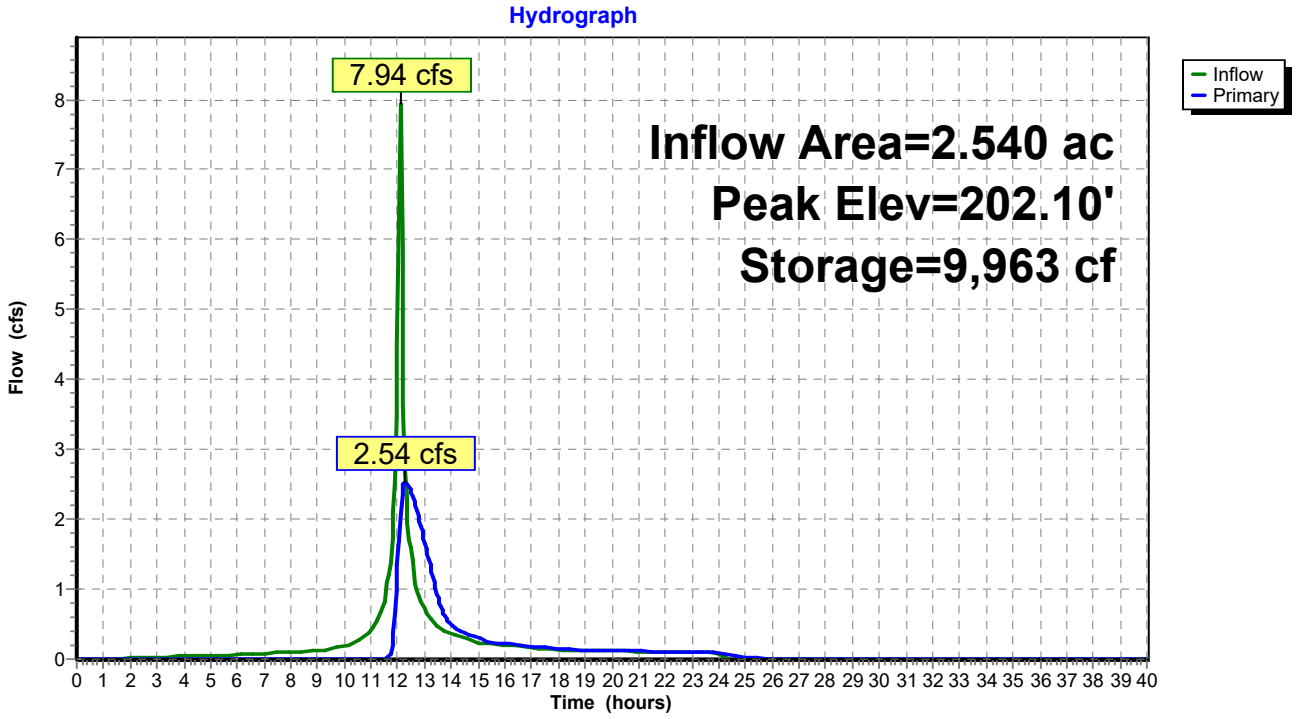
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
200.00	4,749	0	0
201.00	4,749	4,749	4,749
202.00	4,749	4,749	9,498
203.00	4,749	4,749	14,247
204.00	4,749	4,749	18,996
205.00	4,749	4,749	23,745

Device	Routing	Invert	Outlet Devices
#1	Primary	200.00'	**24.0" Round Culvert** L= 39.0' Ke= 0.500 Inlet / Outlet Invert= 200.00' / 199.10' S= 0.0231 '/' Cc= 0.900 n= 0.013, Flow Area= 3.14 sf
#2	Device 1	201.03'	**20.0" W x 4.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	202.10'	**29.0" W x 6.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Device 1	204.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#5	Primary	204.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=2.53 cfs @ 12.28 hrs HW=202.10' (Free Discharge)
- **1=Culvert** (Passes 2.53 cfs of 15.84 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 2.53 cfs @ 4.56 fps)
  - **3=Orifice/Grate** (Controls 0.00 cfs)
  - **4=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **5=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-53: Basin #53



Hydrograph for Pond B-53: Basin #53

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	200.00	0.00
0.10	0.00	0	200.00	0.00
0.20	0.00	0	200.00	0.00
0.30	0.00	0	200.00	0.00
0.40	0.00	0	200.00	0.00
0.50	0.00	0	200.00	0.00
0.60	0.00	0	200.00	0.00
0.70	0.00	0	200.00	0.00
0.80	0.00	0	200.00	0.00
0.90	0.00	0	200.00	0.00
1.00	0.00	0	200.00	0.00
1.10	0.00	0	200.00	0.00
1.20	0.00	1	200.00	0.00
1.30	0.01	3	200.00	0.00
1.40	0.01	5	200.00	0.00
1.50	0.01	8	200.00	0.00
1.60	0.01	12	200.00	0.00
1.70	0.01	16	200.00	0.00
1.80	0.01	21	200.00	0.00
1.90	0.02	27	200.01	0.00
2.00	0.02	33	200.01	0.00
2.10	0.02	40	200.01	0.00
2.20	0.02	47	200.01	0.00
2.30	0.02	55	200.01	0.00
2.40	0.02	64	200.01	0.00
2.50	0.03	73	200.02	0.00
2.60	0.03	82	200.02	0.00
2.70	0.03	92	200.02	0.00
2.80	0.03	103	200.02	0.00
2.90	0.03	113	200.02	0.00
3.00	0.03	125	200.03	0.00
3.10	0.03	137	200.03	0.00
3.20	0.03	149	200.03	0.00
3.30	0.04	162	200.03	0.00
3.40	0.04	175	200.04	0.00
3.50	0.04	188	200.04	0.00
3.60	0.04	202	200.04	0.00
3.70	0.04	217	200.05	0.00
3.80	0.04	231	200.05	0.00
3.90	0.04	247	200.05	0.00
4.00	0.04	262	200.06	0.00
4.10	0.04	278	200.06	0.00
4.20	0.05	294	200.06	0.00
4.30	0.05	311	200.07	0.00
4.40	0.05	328	200.07	0.00
4.50	0.05	345	200.07	0.00
4.60	0.05	363	200.08	0.00
4.70	0.05	381	200.08	0.00
4.80	0.05	399	200.08	0.00
4.90	0.05	417	200.09	0.00
5.00	0.05	436	200.09	0.00
5.10	0.05	455	200.10	0.00

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.05	475	200.10	0.00
5.30	0.06	495	200.10	0.00
5.40	0.06	515	200.11	0.00
5.50	0.06	535	200.11	0.00
5.60	0.06	556	200.12	0.00
5.70	0.06	577	200.12	0.00
5.80	0.06	598	200.13	0.00
5.90	0.06	620	200.13	0.00
6.00	0.06	642	200.14	0.00
6.10	0.06	664	200.14	0.00
6.20	0.06	687	200.14	0.00
6.30	0.07	711	200.15	0.00
6.40	0.07	735	200.15	0.00
6.50	0.07	760	200.16	0.00
6.60	0.07	786	200.17	0.00
6.70	0.07	812	200.17	0.00
6.80	0.08	840	200.18	0.00
6.90	0.08	867	200.18	0.00
7.00	0.08	896	200.19	0.00
7.10	0.08	925	200.19	0.00
7.20	0.08	956	200.20	0.00
7.30	0.09	986	200.21	0.00
7.40	0.09	1,018	200.21	0.00
7.50	0.09	1,050	200.22	0.00
7.60	0.09	1,083	200.23	0.00
7.70	0.09	1,117	200.24	0.00
7.80	0.10	1,151	200.24	0.00
7.90	0.10	1,186	200.25	0.00
8.00	0.10	1,222	200.26	0.00
8.10	0.10	1,259	200.27	0.00
8.20	0.10	1,296	200.27	0.00
8.30	0.11	1,334	200.28	0.00
8.40	0.11	1,373	200.29	0.00
8.50	0.11	1,412	200.30	0.00
8.60	0.11	1,453	200.31	0.00
8.70	0.12	1,494	200.31	0.00
8.80	0.12	1,536	200.32	0.00
8.90	0.12	1,578	200.33	0.00
9.00	0.12	1,621	200.34	0.00
9.10	0.13	1,666	200.35	0.00
9.20	0.13	1,713	200.36	0.00
9.30	0.14	1,762	200.37	0.00
9.40	0.15	1,814	200.38	0.00
9.50	0.15	1,869	200.39	0.00
9.60	0.16	1,926	200.41	0.00
9.70	0.17	1,985	200.42	0.00
9.80	0.18	2,047	200.43	0.00
9.90	0.18	2,112	200.44	0.00
10.00	0.19	2,179	200.46	0.00
10.10	0.20	2,248	200.47	0.00
10.20	0.21	2,322	200.49	0.00
10.30	0.22	2,398	200.50	0.00

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.23	2,478	200.52	0.00
10.50	0.24	2,562	200.54	0.00
10.60	0.27	2,652	200.56	0.00
10.70	0.30	2,753	200.58	0.00
10.80	0.33	2,866	200.60	0.00
10.90	0.36	2,991	200.63	0.00
11.00	0.40	3,129	200.66	0.00
11.10	0.46	3,283	200.69	0.00
11.20	0.53	3,460	200.73	0.00
11.30	0.59	3,661	200.77	0.00
11.40	0.67	3,888	200.82	0.00
11.50	0.73	4,139	200.87	0.00
11.60	1.11	4,467	200.94	0.00
11.70	1.26	4,896	201.03	0.00
11.80	1.73	5,402	201.14	0.19
11.90	2.51	6,024	201.27	0.63
12.00	4.50	6,928	201.46	1.34
12.10	**7.93**	8,567	201.80	2.08
12.20	3.63	9,831	202.07	2.50
12.30	2.32	**9,955**	**202.10**	**2.53**
12.40	1.70	9,766	202.06	2.48
12.50	1.57	9,474	201.99	2.39
12.60	1.07	9,108	201.92	2.27
12.70	0.96	8,681	201.83	2.12
12.80	0.88	8,277	201.74	1.97
12.90	0.80	7,898	201.66	1.82
13.00	0.72	7,545	201.59	1.66
13.10	0.64	7,218	201.52	1.50
13.20	0.59	6,926	201.46	1.34
13.30	0.54	6,675	201.41	1.18
13.40	0.50	6,467	201.36	1.01
13.50	0.45	6,300	201.33	0.87
13.60	0.41	6,165	201.30	0.74
13.70	0.39	6,059	201.28	0.65
13.80	0.38	5,976	201.26	0.58
13.90	0.37	5,910	201.24	0.53
14.00	0.36	5,857	201.23	0.49
14.10	0.35	5,813	201.22	0.46
14.20	0.34	5,776	201.22	0.43
14.30	0.32	5,743	201.21	0.41
14.40	0.31	5,715	201.20	0.39
14.50	0.30	5,689	201.20	0.37
14.60	0.29	5,665	201.19	0.35
14.70	0.28	5,642	201.19	0.34
14.80	0.27	5,621	201.18	0.32
14.90	0.25	5,599	201.18	0.31
15.00	0.24	5,579	201.17	0.30
15.10	0.23	5,558	201.17	0.28
15.20	0.23	5,540	201.17	0.27
15.30	0.22	5,524	201.16	0.26
15.40	0.22	5,510	201.16	0.25
15.50	0.22	5,499	201.16	0.25

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.21	5,488	201.16	0.24
15.70	0.21	5,479	201.15	0.23
15.80	0.21	5,471	201.15	0.23
15.90	0.20	5,463	201.15	0.22
16.00	0.20	5,456	201.15	0.22
16.10	0.20	5,449	201.15	0.22
16.20	0.19	5,443	201.15	0.21
16.30	0.19	5,436	201.14	0.21
16.40	0.19	5,430	201.14	0.21
16.50	0.18	5,423	201.14	0.20
16.60	0.18	5,417	201.14	0.20
16.70	0.18	5,410	201.14	0.20
16.80	0.17	5,404	201.14	0.19
16.90	0.17	5,398	201.14	0.19
17.00	0.17	5,392	201.14	0.19
17.10	0.17	5,385	201.13	0.18
17.20	0.16	5,379	201.13	0.18
17.30	0.16	5,373	201.13	0.18
17.40	0.16	5,367	201.13	0.17
17.50	0.15	5,360	201.13	0.17
17.60	0.15	5,354	201.13	0.17
17.70	0.15	5,348	201.13	0.16
17.80	0.14	5,342	201.12	0.16
17.90	0.14	5,336	201.12	0.16
18.00	0.14	5,330	201.12	0.15
18.10	0.13	5,323	201.12	0.15
18.20	0.13	5,317	201.12	0.15
18.30	0.13	5,312	201.12	0.15
18.40	0.13	5,308	201.12	0.14
18.50	0.13	5,304	201.12	0.14
18.60	0.13	5,300	201.12	0.14
18.70	0.13	5,297	201.12	0.14
18.80	0.13	5,294	201.11	0.14
18.90	0.13	5,291	201.11	0.13
19.00	0.13	5,289	201.11	0.13
19.10	0.13	5,287	201.11	0.13
19.20	0.12	5,284	201.11	0.13
19.30	0.12	5,282	201.11	0.13
19.40	0.12	5,280	201.11	0.13
19.50	0.12	5,279	201.11	0.13
19.60	0.12	5,277	201.11	0.13
19.70	0.12	5,275	201.11	0.13
19.80	0.12	5,273	201.11	0.12
19.90	0.12	5,272	201.11	0.12
20.00	0.12	5,270	201.11	0.12
20.10	0.12	5,268	201.11	0.12
20.20	0.12	5,267	201.11	0.12
20.30	0.12	5,265	201.11	0.12
20.40	0.12	5,263	201.11	0.12
20.50	0.11	5,262	201.11	0.12
20.60	0.11	5,260	201.11	0.12
20.70	0.11	5,259	201.11	0.12

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.11	5,257	201.11	0.12
20.90	0.11	5,256	201.11	0.12
21.00	0.11	5,254	201.11	0.11
21.10	0.11	5,252	201.11	0.11
21.20	0.11	5,251	201.11	0.11
21.30	0.11	5,249	201.11	0.11
21.40	0.11	5,248	201.11	0.11
21.50	0.11	5,246	201.10	0.11
21.60	0.11	5,245	201.10	0.11
21.70	0.10	5,243	201.10	0.11
21.80	0.10	5,242	201.10	0.11
21.90	0.10	5,240	201.10	0.11
22.00	0.10	5,239	201.10	0.11
22.10	0.10	5,237	201.10	0.11
22.20	0.10	5,236	201.10	0.11
22.30	0.10	5,234	201.10	0.10
22.40	0.10	5,232	201.10	0.10
22.50	0.10	5,231	201.10	0.10
22.60	0.10	5,229	201.10	0.10
22.70	0.10	5,228	201.10	0.10
22.80	0.10	5,226	201.10	0.10
22.90	0.09	5,225	201.10	0.10
23.00	0.09	5,223	201.10	0.10
23.10	0.09	5,221	201.10	0.10
23.20	0.09	5,220	201.10	0.10
23.30	0.09	5,218	201.10	0.10
23.40	0.09	5,216	201.10	0.10
23.50	0.09	5,214	201.10	0.10
23.60	0.09	5,212	201.10	0.09
23.70	0.09	5,210	201.10	0.09
23.80	0.09	5,208	201.10	0.09
23.90	0.09	5,206	201.10	0.09
24.00	0.10	5,207	201.10	0.09
24.10	0.01	5,194	201.09	0.09
24.20	0.00	5,166	201.09	0.08
24.30	0.00	5,139	201.08	0.07
24.40	0.00	5,116	201.08	0.06
24.50	0.00	5,095	201.07	0.05
24.60	0.00	5,077	201.07	0.05
24.70	0.00	5,061	201.07	0.04
24.80	0.00	5,047	201.06	0.04
24.90	0.00	5,035	201.06	0.03
25.00	0.00	5,024	201.06	0.03
25.10	0.00	5,014	201.06	0.02
25.20	0.00	5,006	201.05	0.02
25.30	0.00	4,998	201.05	0.02
25.40	0.00	4,992	201.05	0.02
25.50	0.00	4,986	201.05	0.02
25.60	0.00	4,981	201.05	0.01
25.70	0.00	4,976	201.05	0.01
25.80	0.00	4,971	201.05	0.01
25.90	0.00	4,967	201.05	0.01

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	4,962	201.04	0.01
26.10	0.00	4,959	201.04	0.01
26.20	0.00	4,955	201.04	0.01
26.30	0.00	4,951	201.04	0.01
26.40	0.00	4,948	201.04	0.01
26.50	0.00	4,945	201.04	0.01
26.60	0.00	4,942	201.04	0.01
26.70	0.00	4,939	201.04	0.01
26.80	0.00	4,936	201.04	0.01
26.90	0.00	4,934	201.04	0.01
27.00	0.00	4,931	201.04	0.01
27.10	0.00	4,929	201.04	0.01
27.20	0.00	4,927	201.04	0.01
27.30	0.00	4,925	201.04	0.01
27.40	0.00	4,923	201.04	0.01
27.50	0.00	4,921	201.04	0.00
27.60	0.00	4,920	201.04	0.00
27.70	0.00	4,918	201.04	0.00
27.80	0.00	4,917	201.04	0.00
27.90	0.00	4,915	201.04	0.00
28.00	0.00	4,914	201.03	0.00
28.10	0.00	4,913	201.03	0.00
28.20	0.00	4,912	201.03	0.00
28.30	0.00	4,910	201.03	0.00
28.40	0.00	4,909	201.03	0.00
28.50	0.00	4,908	201.03	0.00
28.60	0.00	4,907	201.03	0.00
28.70	0.00	4,907	201.03	0.00
28.80	0.00	4,906	201.03	0.00
28.90	0.00	4,905	201.03	0.00
29.00	0.00	4,904	201.03	0.00
29.10	0.00	4,903	201.03	0.00
29.20	0.00	4,903	201.03	0.00
29.30	0.00	4,902	201.03	0.00
29.40	0.00	4,902	201.03	0.00
29.50	0.00	4,901	201.03	0.00
29.60	0.00	4,900	201.03	0.00
29.70	0.00	4,900	201.03	0.00
29.80	0.00	4,899	201.03	0.00
29.90	0.00	4,899	201.03	0.00
30.00	0.00	4,899	201.03	0.00
30.10	0.00	4,898	201.03	0.00
30.20	0.00	4,898	201.03	0.00
30.30	0.00	4,897	201.03	0.00
30.40	0.00	4,897	201.03	0.00
30.50	0.00	4,897	201.03	0.00
30.60	0.00	4,897	201.03	0.00
30.70	0.00	4,896	201.03	0.00
30.80	0.00	4,896	201.03	0.00
30.90	0.00	4,896	201.03	0.00
31.00	0.00	4,896	201.03	0.00
31.10	0.00	4,895	201.03	0.00

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	4,895	201.03	0.00
31.30	0.00	4,895	201.03	0.00
31.40	0.00	4,895	201.03	0.00
31.50	0.00	4,894	201.03	0.00
31.60	0.00	4,894	201.03	0.00
31.70	0.00	4,894	201.03	0.00
31.80	0.00	4,894	201.03	0.00
31.90	0.00	4,894	201.03	0.00
32.00	0.00	4,894	201.03	0.00
32.10	0.00	4,894	201.03	0.00
32.20	0.00	4,893	201.03	0.00
32.30	0.00	4,893	201.03	0.00
32.40	0.00	4,893	201.03	0.00
32.50	0.00	4,893	201.03	0.00
32.60	0.00	4,893	201.03	0.00
32.70	0.00	4,893	201.03	0.00
32.80	0.00	4,893	201.03	0.00
32.90	0.00	4,893	201.03	0.00
33.00	0.00	4,893	201.03	0.00
33.10	0.00	4,893	201.03	0.00
33.20	0.00	4,893	201.03	0.00
33.30	0.00	4,893	201.03	0.00
33.40	0.00	4,892	201.03	0.00
33.50	0.00	4,892	201.03	0.00
33.60	0.00	4,892	201.03	0.00
33.70	0.00	4,892	201.03	0.00
33.80	0.00	4,892	201.03	0.00
33.90	0.00	4,892	201.03	0.00
34.00	0.00	4,892	201.03	0.00
34.10	0.00	4,892	201.03	0.00
34.20	0.00	4,892	201.03	0.00
34.30	0.00	4,892	201.03	0.00
34.40	0.00	4,892	201.03	0.00
34.50	0.00	4,892	201.03	0.00
34.60	0.00	4,892	201.03	0.00
34.70	0.00	4,892	201.03	0.00
34.80	0.00	4,892	201.03	0.00
34.90	0.00	4,892	201.03	0.00
35.00	0.00	4,892	201.03	0.00
35.10	0.00	4,892	201.03	0.00
35.20	0.00	4,892	201.03	0.00
35.30	0.00	4,892	201.03	0.00
35.40	0.00	4,892	201.03	0.00
35.50	0.00	4,892	201.03	0.00
35.60	0.00	4,892	201.03	0.00
35.70	0.00	4,892	201.03	0.00
35.80	0.00	4,892	201.03	0.00
35.90	0.00	4,892	201.03	0.00
36.00	0.00	4,892	201.03	0.00
36.10	0.00	4,892	201.03	0.00
36.20	0.00	4,892	201.03	0.00
36.30	0.00	4,892	201.03	0.00

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	4,892	201.03	0.00
36.50	0.00	4,892	201.03	0.00
36.60	0.00	4,892	201.03	0.00
36.70	0.00	4,892	201.03	0.00
36.80	0.00	4,892	201.03	0.00
36.90	0.00	4,892	201.03	0.00
37.00	0.00	4,892	201.03	0.00
37.10	0.00	4,892	201.03	0.00
37.20	0.00	4,892	201.03	0.00
37.30	0.00	4,892	201.03	0.00
37.40	0.00	4,892	201.03	0.00
37.50	0.00	4,892	201.03	0.00
37.60	0.00	4,892	201.03	0.00
37.70	0.00	4,892	201.03	0.00
37.80	0.00	4,892	201.03	0.00
37.90	0.00	4,892	201.03	0.00
38.00	0.00	4,892	201.03	0.00
38.10	0.00	4,892	201.03	0.00
38.20	0.00	4,892	201.03	0.00
38.30	0.00	4,892	201.03	0.00
38.40	0.00	4,892	201.03	0.00
38.50	0.00	4,892	201.03	0.00
38.60	0.00	4,892	201.03	0.00
38.70	0.00	4,892	201.03	0.00
38.80	0.00	4,892	201.03	0.00
38.90	0.00	4,892	201.03	0.00
39.00	0.00	4,892	201.03	0.00
39.10	0.00	4,892	201.03	0.00
39.20	0.00	4,892	201.03	0.00
39.30	0.00	4,892	201.03	0.00
39.40	0.00	4,892	201.03	0.00
39.50	0.00	4,892	201.03	0.00
39.60	0.00	4,891	201.03	0.00
39.70	0.00	4,891	201.03	0.00
39.80	0.00	4,891	201.03	0.00
39.90	0.00	4,891	201.03	0.00
40.00	0.00	4,891	201.03	0.00

Stage-Discharge for Pond B-53: Basin #53

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
200.00	0.00	200.52	0.00	201.04	0.01	201.56	1.60
200.01	0.00	200.53	0.00	201.05	0.02	201.57	1.62
200.02	0.00	200.54	0.00	201.06	0.03	201.58	1.64
200.03	0.00	200.55	0.00	201.07	0.04	201.59	1.66
200.04	0.00	200.56	0.00	201.08	0.06	201.60	1.69
200.05	0.00	200.57	0.00	201.09	0.08	201.61	1.71
200.06	0.00	200.58	0.00	201.10	0.10	201.62	1.73
200.07	0.00	200.59	0.00	201.11	0.12	201.63	1.75
200.08	0.00	200.60	0.00	201.12	0.14	201.64	1.77
200.09	0.00	200.61	0.00	201.13	0.17	201.65	1.79
200.10	0.00	200.62	0.00	201.14	0.20	201.66	1.81
200.11	0.00	200.63	0.00	201.15	0.22	201.67	1.83
200.12	0.00	200.64	0.00	201.16	0.25	201.68	1.85
200.13	0.00	200.65	0.00	201.17	0.28	201.69	1.87
200.14	0.00	200.66	0.00	201.18	0.31	201.70	1.89
200.15	0.00	200.67	0.00	201.19	0.34	201.71	1.91
200.16	0.00	200.68	0.00	201.20	0.37	201.72	1.93
200.17	0.00	200.69	0.00	201.21	0.41	201.73	1.95
200.18	0.00	200.70	0.00	201.22	0.44	201.74	1.96
200.19	0.00	200.71	0.00	201.23	0.48	201.75	1.98
200.20	0.00	200.72	0.00	201.24	0.51	201.76	2.00
200.21	0.00	200.73	0.00	201.25	0.55	201.77	2.02
200.22	0.00	200.74	0.00	201.26	0.59	201.78	2.04
200.23	0.00	200.75	0.00	201.27	0.63	201.79	2.05
200.24	0.00	200.76	0.00	201.28	0.67	201.80	2.07
200.25	0.00	200.77	0.00	201.29	0.71	201.81	2.09
200.26	0.00	200.78	0.00	201.30	0.75	201.82	2.11
200.27	0.00	200.79	0.00	201.31	0.79	201.83	2.12
200.28	0.00	200.80	0.00	201.32	0.84	201.84	2.14
200.29	0.00	200.81	0.00	201.33	0.88	201.85	2.16
200.30	0.00	200.82	0.00	201.34	0.92	201.86	2.17
200.31	0.00	200.83	0.00	201.35	0.97	201.87	2.19
200.32	0.00	200.84	0.00	201.36	1.01	201.88	2.21
200.33	0.00	200.85	0.00	201.37	1.06	201.89	2.22
200.34	0.00	200.86	0.00	201.38	1.10	201.90	2.24
200.35	0.00	200.87	0.00	201.39	1.13	201.91	2.25
200.36	0.00	200.88	0.00	201.40	1.17	201.92	2.27
200.37	0.00	200.89	0.00	201.41	1.20	201.93	2.29
200.38	0.00	200.90	0.00	201.42	1.23	201.94	2.30
200.39	0.00	200.91	0.00	201.43	1.26	201.95	2.32
200.40	0.00	200.92	0.00	201.44	1.29	201.96	2.33
200.41	0.00	200.93	0.00	201.45	1.32	201.97	2.35
200.42	0.00	200.94	0.00	201.46	1.35	201.98	2.36
200.43	0.00	200.95	0.00	201.47	1.38	201.99	2.38
200.44	0.00	200.96	0.00	201.48	1.40	202.00	2.39
200.45	0.00	200.97	0.00	201.49	1.43	202.01	2.41
200.46	0.00	200.98	0.00	201.50	1.45	202.02	2.42
200.47	0.00	200.99	0.00	201.51	1.48	202.03	2.44
200.48	0.00	201.00	0.00	201.52	1.50	202.04	2.45
200.49	0.00	201.01	0.00	201.53	1.53	202.05	2.47
200.50	0.00	201.02	0.00	201.54	1.55	202.06	2.48
200.51	0.00	201.03	0.00	201.55	1.57	202.07	2.50

Stage-Discharge for Pond B-53: Basin #53 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
202.08	2.51	202.60	5.91	203.12	8.79	203.64	10.78
202.09	2.52	202.61	6.00	203.13	8.83	203.65	10.81
202.10	2.54	202.62	6.08	203.14	8.88	203.66	10.85
202.11	2.56	202.63	6.15	203.15	8.92	203.67	10.88
202.12	2.59	202.64	6.23	203.16	8.96	203.68	10.91
202.13	2.62	202.65	6.30	203.17	9.00	203.69	10.95
202.14	2.66	202.66	6.37	203.18	9.05	203.70	10.98
202.15	2.70	202.67	6.44	203.19	9.09	203.71	11.02
202.16	2.74	202.68	6.51	203.20	9.13	203.72	11.05
202.17	2.78	202.69	6.57	203.21	9.17	203.73	11.08
202.18	2.82	202.70	6.64	203.22	9.21	203.74	11.12
202.19	2.87	202.71	6.70	203.23	9.25	203.75	11.15
202.20	2.92	202.72	6.76	203.24	9.29	203.76	11.18
202.21	2.97	202.73	6.83	203.25	9.33	203.77	11.21
202.22	3.03	202.74	6.89	203.26	9.37	203.78	11.25
202.23	3.08	202.75	6.95	203.27	9.41	203.79	11.28
202.24	3.14	202.76	7.01	203.28	9.45	203.80	11.31
202.25	3.19	202.77	7.06	203.29	9.49	203.81	11.34
202.26	3.25	202.78	7.12	203.30	9.53	203.82	11.38
202.27	3.31	202.79	7.18	203.31	9.57	203.83	11.41
202.28	3.37	202.80	7.24	203.32	9.61	203.84	11.44
202.29	3.44	202.81	7.29	203.33	9.65	203.85	11.47
202.30	3.50	202.82	7.35	203.34	9.69	203.86	11.51
202.31	3.57	202.83	7.40	203.35	9.73	203.87	11.54
202.32	3.63	202.84	7.45	203.36	9.77	203.88	11.57
202.33	3.70	202.85	7.51	203.37	9.80	203.89	11.60
202.34	3.77	202.86	7.56	203.38	9.84	203.90	11.63
202.35	3.84	202.87	7.61	203.39	9.88	203.91	11.66
202.36	3.91	202.88	7.66	203.40	9.92	203.92	11.70
202.37	3.98	202.89	7.72	203.41	9.95	203.93	11.73
202.38	4.06	202.90	7.77	203.42	9.99	203.94	11.76
202.39	4.13	202.91	7.82	203.43	10.03	203.95	11.79
202.40	4.21	202.92	7.87	203.44	10.07	203.96	11.82
202.41	4.28	202.93	7.92	203.45	10.10	203.97	11.85
202.42	4.36	202.94	7.96	203.46	10.14	203.98	11.88
202.43	4.44	202.95	8.01	203.47	10.18	203.99	11.91
202.44	4.52	202.96	8.06	203.48	10.21	204.00	11.94
202.45	4.60	202.97	8.11	203.49	10.25	204.01	11.99
202.46	4.68	202.98	8.16	203.50	10.29	204.02	12.04
202.47	4.76	202.99	8.20	203.51	10.32	204.03	12.10
202.48	4.85	203.00	8.25	203.52	10.36	204.04	12.17
202.49	4.93	203.01	8.30	203.53	10.39	204.05	12.24
202.50	5.01	203.02	8.34	203.54	10.43	204.06	12.32
202.51	5.10	203.03	8.39	203.55	10.46	204.07	12.40
202.52	5.19	203.04	8.44	203.56	10.50	204.08	12.48
202.53	5.27	203.05	8.48	203.57	10.54	204.09	12.57
202.54	5.36	203.06	8.53	203.58	10.57	204.10	12.66
202.55	5.45	203.07	8.57	203.59	10.61	204.11	12.75
202.56	5.54	203.08	8.62	203.60	10.64	204.12	12.85
202.57	5.63	203.09	8.66	203.61	10.67	204.13	12.95
202.58	5.72	203.10	8.70	203.62	10.71	204.14	13.05
202.59	5.82	203.11	8.75	203.63	10.74	204.15	13.15

Stage-Discharge for Pond B-53: Basin #53 (continued)

Elevation (feet)	Primary (cfs)
204.16	13.26
204.17	13.36
204.18	13.47
204.19	13.59
204.20	13.70
204.21	13.82
204.22	13.94
204.23	14.06
204.24	14.18
204.25	14.30
204.26	14.43
204.27	14.56
204.28	14.68
204.29	14.82
204.30	14.95
204.31	15.08
204.32	15.22
204.33	15.35
204.34	15.49
204.35	15.63
204.36	15.77
204.37	15.92
204.38	16.06
204.39	16.21
204.40	16.36
204.41	16.50
204.42	16.65
204.43	16.80
204.44	16.96
204.45	17.11
204.46	17.27
204.47	17.42
204.48	17.58
204.49	17.74
204.50	17.90
204.51	18.17
204.52	18.55
204.53	18.99
204.54	19.48
204.55	20.02
204.56	20.60
204.57	21.22
204.58	21.87
204.59	22.56
204.60	23.27
204.61	24.02
204.62	24.79
204.63	25.59
204.64	26.42
204.65	27.27
204.66	28.14
204.67	29.04
204.68	29.97
204.69	30.91
204.70	31.88
204.71	32.91
204.72	33.96
204.73	35.04
204.74	36.15
204.75	37.28
204.76	38.44
204.77	39.63
204.78	40.84
204.79	42.07
204.80	43.33
204.81	44.62
204.82	45.93
204.83	47.27
204.84	48.63
204.85	50.02
204.86	51.43
204.87	52.87
204.88	54.33
204.89	55.82
204.90	57.33
204.91	58.89
204.92	60.48
204.93	62.10
204.94	63.74
204.95	65.42
204.96	67.11
204.97	68.84
204.98	70.59
204.99	72.37
205.00	**74.18**

Stage-Area-Storage for Pond B-53: Basin #53

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
200.00	**4,749**	0	200.52	4,749	2,469
200.01	4,749	47	200.53	4,749	2,517
200.02	4,749	95	200.54	4,749	2,564
200.03	4,749	142	200.55	4,749	2,612
200.04	4,749	190	200.56	4,749	2,659
200.05	4,749	237	200.57	4,749	2,707
200.06	4,749	285	200.58	4,749	2,754
200.07	4,749	332	200.59	4,749	2,802
200.08	4,749	380	200.60	4,749	2,849
200.09	4,749	427	200.61	4,749	2,897
200.10	4,749	475	200.62	4,749	2,944
200.11	4,749	522	200.63	4,749	2,992
200.12	4,749	570	200.64	4,749	3,039
200.13	4,749	617	200.65	4,749	3,087
200.14	4,749	665	200.66	4,749	3,134
200.15	4,749	712	200.67	4,749	3,182
200.16	4,749	760	200.68	4,749	3,229
200.17	4,749	807	200.69	4,749	3,277
200.18	4,749	855	200.70	4,749	3,324
200.19	4,749	902	200.71	4,749	3,372
200.20	4,749	950	200.72	4,749	3,419
200.21	4,749	997	200.73	4,749	3,467
200.22	4,749	1,045	200.74	4,749	3,514
200.23	4,749	1,092	200.75	4,749	3,562
200.24	4,749	1,140	200.76	4,749	3,609
200.25	4,749	1,187	200.77	4,749	3,657
200.26	4,749	1,235	200.78	4,749	3,704
200.27	4,749	1,282	200.79	4,749	3,752
200.28	4,749	1,330	200.80	4,749	3,799
200.29	4,749	1,377	200.81	4,749	3,847
200.30	4,749	1,425	200.82	4,749	3,894
200.31	4,749	1,472	200.83	4,749	3,942
200.32	4,749	1,520	200.84	4,749	3,989
200.33	4,749	1,567	200.85	4,749	4,037
200.34	4,749	1,615	200.86	4,749	4,084
200.35	4,749	1,662	200.87	4,749	4,132
200.36	4,749	1,710	200.88	4,749	4,179
200.37	4,749	1,757	200.89	4,749	4,227
200.38	4,749	1,805	200.90	4,749	4,274
200.39	4,749	1,852	200.91	4,749	4,322
200.40	4,749	1,900	200.92	4,749	4,369
200.41	4,749	1,947	200.93	4,749	4,417
200.42	4,749	1,995	200.94	4,749	4,464
200.43	4,749	2,042	200.95	4,749	4,512
200.44	4,749	2,090	200.96	4,749	4,559
200.45	4,749	2,137	200.97	4,749	4,607
200.46	4,749	2,185	200.98	4,749	4,654
200.47	4,749	2,232	200.99	4,749	4,702
200.48	4,749	2,280	201.00	4,749	4,749
200.49	4,749	2,327	201.01	4,749	4,796
200.50	4,749	2,375	201.02	4,749	4,844
200.51	4,749	2,422	201.03	4,749	4,891

Stage-Area-Storage for Pond B-53: Basin #53 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
201.04	4,749	4,939	201.56	4,749	7,408
201.05	4,749	4,986	201.57	4,749	7,456
201.06	4,749	5,034	201.58	4,749	7,503
201.07	4,749	5,081	201.59	4,749	7,551
201.08	4,749	5,129	201.60	4,749	7,598
201.09	4,749	5,176	201.61	4,749	7,646
201.10	4,749	5,224	201.62	4,749	7,693
201.11	4,749	5,271	201.63	4,749	7,741
201.12	4,749	5,319	201.64	4,749	7,788
201.13	4,749	5,366	201.65	4,749	7,836
201.14	4,749	5,414	201.66	4,749	7,883
201.15	4,749	5,461	201.67	4,749	7,931
201.16	4,749	5,509	201.68	4,749	7,978
201.17	4,749	5,556	201.69	4,749	8,026
201.18	4,749	5,604	201.70	4,749	8,073
201.19	4,749	5,651	201.71	4,749	8,121
201.20	4,749	5,699	201.72	4,749	8,168
201.21	4,749	5,746	201.73	4,749	8,216
201.22	4,749	5,794	201.74	4,749	8,263
201.23	4,749	5,841	201.75	4,749	8,311
201.24	4,749	5,889	201.76	4,749	8,358
201.25	4,749	5,936	201.77	4,749	8,406
201.26	4,749	5,984	201.78	4,749	8,453
201.27	4,749	6,031	201.79	4,749	8,501
201.28	4,749	6,079	201.80	4,749	8,548
201.29	4,749	6,126	201.81	4,749	8,596
201.30	4,749	6,174	201.82	4,749	8,643
201.31	4,749	6,221	201.83	4,749	8,691
201.32	4,749	6,269	201.84	4,749	8,738
201.33	4,749	6,316	201.85	4,749	8,786
201.34	4,749	6,364	201.86	4,749	8,833
201.35	4,749	6,411	201.87	4,749	8,881
201.36	4,749	6,459	201.88	4,749	8,928
201.37	4,749	6,506	201.89	4,749	8,976
201.38	4,749	6,554	201.90	4,749	9,023
201.39	4,749	6,601	201.91	4,749	9,071
201.40	4,749	6,649	201.92	4,749	9,118
201.41	4,749	6,696	201.93	4,749	9,166
201.42	4,749	6,744	201.94	4,749	9,213
201.43	4,749	6,791	201.95	4,749	9,261
201.44	4,749	6,839	201.96	4,749	9,308
201.45	4,749	6,886	201.97	4,749	9,356
201.46	4,749	6,934	201.98	4,749	9,403
201.47	4,749	6,981	201.99	4,749	9,451
201.48	4,749	7,029	202.00	4,749	9,498
201.49	4,749	7,076	202.01	4,749	9,545
201.50	4,749	7,124	202.02	4,749	9,593
201.51	4,749	7,171	202.03	4,749	9,640
201.52	4,749	7,218	202.04	4,749	9,688
201.53	4,749	7,266	202.05	4,749	9,735
201.54	4,749	7,313	202.06	4,749	9,783
201.55	4,749	7,361	202.07	4,749	9,830

Stage-Area-Storage for Pond B-53: Basin #53 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
202.08	4,749	9,878	202.60	4,749	12,347
202.09	4,749	9,925	202.61	4,749	12,395
202.10	4,749	9,973	202.62	4,749	12,442
202.11	4,749	10,020	202.63	4,749	12,490
202.12	4,749	10,068	202.64	4,749	12,537
202.13	4,749	10,115	202.65	4,749	12,585
202.14	4,749	10,163	202.66	4,749	12,632
202.15	4,749	10,210	202.67	4,749	12,680
202.16	4,749	10,258	202.68	4,749	12,727
202.17	4,749	10,305	202.69	4,749	12,775
202.18	4,749	10,353	202.70	4,749	12,822
202.19	4,749	10,400	202.71	4,749	12,870
202.20	4,749	10,448	202.72	4,749	12,917
202.21	4,749	10,495	202.73	4,749	12,965
202.22	4,749	10,543	202.74	4,749	13,012
202.23	4,749	10,590	202.75	4,749	13,060
202.24	4,749	10,638	202.76	4,749	13,107
202.25	4,749	10,685	202.77	4,749	13,155
202.26	4,749	10,733	202.78	4,749	13,202
202.27	4,749	10,780	202.79	4,749	13,250
202.28	4,749	10,828	202.80	4,749	13,297
202.29	4,749	10,875	202.81	4,749	13,345
202.30	4,749	10,923	202.82	4,749	13,392
202.31	4,749	10,970	202.83	4,749	13,440
202.32	4,749	11,018	202.84	4,749	13,487
202.33	4,749	11,065	202.85	4,749	13,535
202.34	4,749	11,113	202.86	4,749	13,582
202.35	4,749	11,160	202.87	4,749	13,630
202.36	4,749	11,208	202.88	4,749	13,677
202.37	4,749	11,255	202.89	4,749	13,725
202.38	4,749	11,303	202.90	4,749	13,772
202.39	4,749	11,350	202.91	4,749	13,820
202.40	4,749	11,398	202.92	4,749	13,867
202.41	4,749	11,445	202.93	4,749	13,915
202.42	4,749	11,493	202.94	4,749	13,962
202.43	4,749	11,540	202.95	4,749	14,010
202.44	4,749	11,588	202.96	4,749	14,057
202.45	4,749	11,635	202.97	4,749	14,105
202.46	4,749	11,683	202.98	4,749	14,152
202.47	4,749	11,730	202.99	4,749	14,200
202.48	4,749	11,778	203.00	4,749	14,247
202.49	4,749	11,825	203.01	4,749	14,294
202.50	4,749	11,873	203.02	4,749	14,342
202.51	4,749	11,920	203.03	4,749	14,389
202.52	4,749	11,967	203.04	4,749	14,437
202.53	4,749	12,015	203.05	4,749	14,484
202.54	4,749	12,062	203.06	4,749	14,532
202.55	4,749	12,110	203.07	4,749	14,579
202.56	4,749	12,157	203.08	4,749	14,627
202.57	4,749	12,205	203.09	4,749	14,674
202.58	4,749	12,252	203.10	4,749	14,722
202.59	4,749	12,300	203.11	4,749	14,769

Stage-Area-Storage for Pond B-53: Basin #53 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
203.12	4,749	14,817	203.64	4,749	17,286
203.13	4,749	14,864	203.65	4,749	17,334
203.14	4,749	14,912	203.66	4,749	17,381
203.15	4,749	14,959	203.67	4,749	17,429
203.16	4,749	15,007	203.68	4,749	17,476
203.17	4,749	15,054	203.69	4,749	17,524
203.18	4,749	15,102	203.70	4,749	17,571
203.19	4,749	15,149	203.71	4,749	17,619
203.20	4,749	15,197	203.72	4,749	17,666
203.21	4,749	15,244	203.73	4,749	17,714
203.22	4,749	15,292	203.74	4,749	17,761
203.23	4,749	15,339	203.75	4,749	17,809
203.24	4,749	15,387	203.76	4,749	17,856
203.25	4,749	15,434	203.77	4,749	17,904
203.26	4,749	15,482	203.78	4,749	17,951
203.27	4,749	15,529	203.79	4,749	17,999
203.28	4,749	15,577	203.80	4,749	18,046
203.29	4,749	15,624	203.81	4,749	18,094
203.30	4,749	15,672	203.82	4,749	18,141
203.31	4,749	15,719	203.83	4,749	18,189
203.32	4,749	15,767	203.84	4,749	18,236
203.33	4,749	15,814	203.85	4,749	18,284
203.34	4,749	15,862	203.86	4,749	18,331
203.35	4,749	15,909	203.87	4,749	18,379
203.36	4,749	15,957	203.88	4,749	18,426
203.37	4,749	16,004	203.89	4,749	18,474
203.38	4,749	16,052	203.90	4,749	18,521
203.39	4,749	16,099	203.91	4,749	18,569
203.40	4,749	16,147	203.92	4,749	18,616
203.41	4,749	16,194	203.93	4,749	18,664
203.42	4,749	16,242	203.94	4,749	18,711
203.43	4,749	16,289	203.95	4,749	18,759
203.44	4,749	16,337	203.96	4,749	18,806
203.45	4,749	16,384	203.97	4,749	18,854
203.46	4,749	16,432	203.98	4,749	18,901
203.47	4,749	16,479	203.99	4,749	18,949
203.48	4,749	16,527	204.00	4,749	18,996
203.49	4,749	16,574	204.01	4,749	19,043
203.50	4,749	16,622	204.02	4,749	19,091
203.51	4,749	16,669	204.03	4,749	19,138
203.52	4,749	16,716	204.04	4,749	19,186
203.53	4,749	16,764	204.05	4,749	19,233
203.54	4,749	16,811	204.06	4,749	19,281
203.55	4,749	16,859	204.07	4,749	19,328
203.56	4,749	16,906	204.08	4,749	19,376
203.57	4,749	16,954	204.09	4,749	19,423
203.58	4,749	17,001	204.10	4,749	19,471
203.59	4,749	17,049	204.11	4,749	19,518
203.60	4,749	17,096	204.12	4,749	19,566
203.61	4,749	17,144	204.13	4,749	19,613
203.62	4,749	17,191	204.14	4,749	19,661
203.63	4,749	17,239	204.15	4,749	19,708

Stage-Area-Storage for Pond B-53: Basin #53 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
204.16	4,749	19,756
204.17	4,749	19,803
204.18	4,749	19,851
204.19	4,749	19,898
204.20	4,749	19,946
204.21	4,749	19,993
204.22	4,749	20,041
204.23	4,749	20,088
204.24	4,749	20,136
204.25	4,749	20,183
204.26	4,749	20,231
204.27	4,749	20,278
204.28	4,749	20,326
204.29	4,749	20,373
204.30	4,749	20,421
204.31	4,749	20,468
204.32	4,749	20,516
204.33	4,749	20,563
204.34	4,749	20,611
204.35	4,749	20,658
204.36	4,749	20,706
204.37	4,749	20,753
204.38	4,749	20,801
204.39	4,749	20,848
204.40	4,749	20,896
204.41	4,749	20,943
204.42	4,749	20,991
204.43	4,749	21,038
204.44	4,749	21,086
204.45	4,749	21,133
204.46	4,749	21,181
204.47	4,749	21,228
204.48	4,749	21,276
204.49	4,749	21,323
204.50	4,749	21,371
204.51	4,749	21,418
204.52	4,749	21,465
204.53	4,749	21,513
204.54	4,749	21,560
204.55	4,749	21,608
204.56	4,749	21,655
204.57	4,749	21,703
204.58	4,749	21,750
204.59	4,749	21,798
204.60	4,749	21,845
204.61	4,749	21,893
204.62	4,749	21,940
204.63	4,749	21,988
204.64	4,749	22,035
204.65	4,749	22,083
204.66	4,749	22,130
204.67	4,749	22,178
204.68	4,749	22,225
204.69	4,749	22,273
204.70	4,749	22,320
204.71	4,749	22,368
204.72	4,749	22,415
204.73	4,749	22,463
204.74	4,749	22,510
204.75	4,749	22,558
204.76	4,749	22,605
204.77	4,749	22,653
204.78	4,749	22,700
204.79	4,749	22,748
204.80	4,749	22,795
204.81	4,749	22,843
204.82	4,749	22,890
204.83	4,749	22,938
204.84	4,749	22,985
204.85	4,749	23,033
204.86	4,749	23,080
204.87	4,749	23,128
204.88	4,749	23,175
204.89	4,749	23,223
204.90	4,749	23,270
204.91	4,749	23,318
204.92	4,749	23,365
204.93	4,749	23,413
204.94	4,749	23,460
204.95	4,749	23,508
204.96	4,749	23,555
204.97	4,749	23,603
204.98	4,749	23,650
204.99	4,749	23,698
205.00	4,749	**23,745**

Summary for Pond B-54: Basin #54

Inflow Area = 2.570 ac, 60.47% Impervious, Inflow Depth = 2.77" for Future 2 yr event
Inflow = 8.20 cfs @ 12.09 hrs, Volume= 0.594 af
Outflow = 2.96 cfs @ 12.28 hrs, Volume= 0.454 af, Atten= 64%, Lag= 11.2 min
Primary = 2.96 cfs @ 12.28 hrs, Volume= 0.454 af
Routed to Pond B-51 : Basin #51

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 200.21' @ 12.28 hrs Surf.Area= 5,114 sf Storage= 11,312 cf

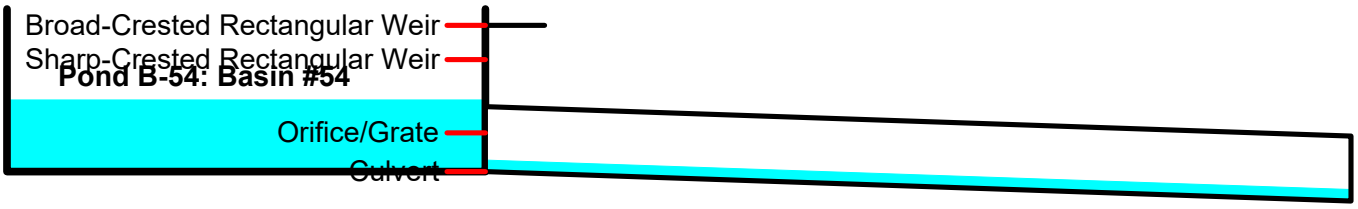
Plug-Flow detention time= 189.4 min calculated for 0.454 af (76% of inflow)
Center-of-Mass det. time= 99.4 min (872.6 - 773.2)

Volume	Invert	Avail.Storage	Storage Description
#1	198.00'	25,570 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

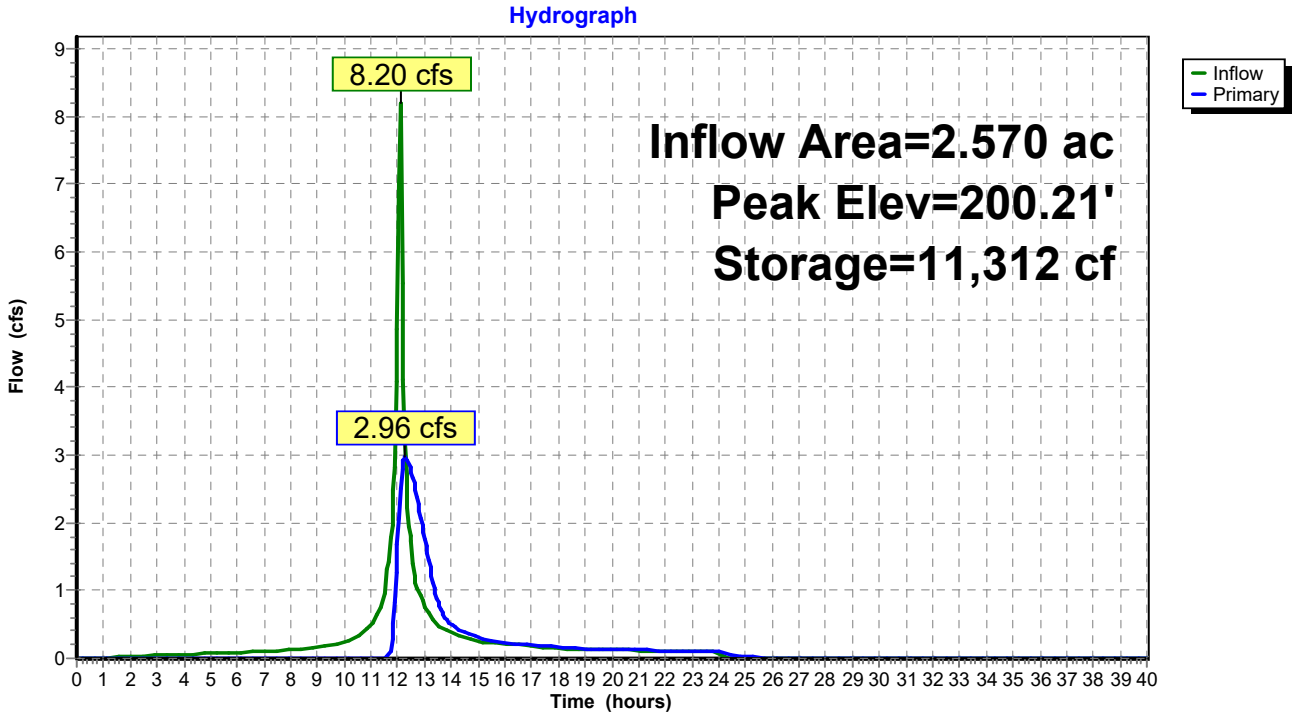
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
198.00	5,114	0	0
199.00	5,114	5,114	5,114
200.00	5,114	5,114	10,228
201.00	5,114	5,114	15,342
202.00	5,114	5,114	20,456
203.00	5,114	5,114	25,570

Device	Routing	Invert	Outlet Devices
#1	Primary	198.00'	**24.0" Round Culvert** L= 73.0' Ke= 0.500 Inlet / Outlet Invert= 198.00' / 197.10' S= 0.0123 '/' Cc= 0.900 n= 0.013, Flow Area= 3.14 sf
#2	Device 1	199.19'	**24.0" W x 4.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	201.45'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	202.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=2.96 cfs @ 12.28 hrs HW=200.21' (Free Discharge)
- **1=Culvert** (Passes 2.96 cfs of 16.64 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 2.96 cfs @ 4.44 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-54: Basin #54



Hydrograph for Pond B-54: Basin #54

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	198.00	0.00
0.10	0.00	0	198.00	0.00
0.20	0.00	0	198.00	0.00
0.30	0.00	0	198.00	0.00
0.40	0.00	0	198.00	0.00
0.50	0.00	0	198.00	0.00
0.60	0.00	0	198.00	0.00
0.70	0.00	0	198.00	0.00
0.80	0.00	0	198.00	0.00
0.90	0.00	0	198.00	0.00
1.00	0.00	0	198.00	0.00
1.10	0.00	0	198.00	0.00
1.20	0.01	2	198.00	0.00
1.30	0.01	4	198.00	0.00
1.40	0.01	7	198.00	0.00
1.50	0.01	12	198.00	0.00
1.60	0.02	17	198.00	0.00
1.70	0.02	22	198.00	0.00
1.80	0.02	29	198.01	0.00
1.90	0.02	37	198.01	0.00
2.00	0.02	45	198.01	0.00
2.10	0.03	54	198.01	0.00
2.20	0.03	63	198.01	0.00
2.30	0.03	74	198.01	0.00
2.40	0.03	85	198.02	0.00
2.50	0.03	96	198.02	0.00
2.60	0.04	109	198.02	0.00
2.70	0.04	122	198.02	0.00
2.80	0.04	135	198.03	0.00
2.90	0.04	149	198.03	0.00
3.00	0.04	164	198.03	0.00
3.10	0.04	180	198.04	0.00
3.20	0.04	195	198.04	0.00
3.30	0.05	212	198.04	0.00
3.40	0.05	229	198.04	0.00
3.50	0.05	246	198.05	0.00
3.60	0.05	264	198.05	0.00
3.70	0.05	283	198.06	0.00
3.80	0.05	302	198.06	0.00
3.90	0.05	321	198.06	0.00
4.00	0.06	341	198.07	0.00
4.10	0.06	362	198.07	0.00
4.20	0.06	383	198.07	0.00
4.30	0.06	404	198.08	0.00
4.40	0.06	426	198.08	0.00
4.50	0.06	448	198.09	0.00
4.60	0.06	471	198.09	0.00
4.70	0.06	494	198.10	0.00
4.80	0.07	517	198.10	0.00
4.90	0.07	541	198.11	0.00
5.00	0.07	566	198.11	0.00
5.10	0.07	590	198.12	0.00

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.07	615	198.12	0.00
5.30	0.07	641	198.13	0.00
5.40	0.07	667	198.13	0.00
5.50	0.07	693	198.14	0.00
5.60	0.07	720	198.14	0.00
5.70	0.08	747	198.15	0.00
5.80	0.08	774	198.15	0.00
5.90	0.08	802	198.16	0.00
6.00	0.08	830	198.16	0.00
6.10	0.08	859	198.17	0.00
6.20	0.08	888	198.17	0.00
6.30	0.09	919	198.18	0.00
6.40	0.09	950	198.19	0.00
6.50	0.09	983	198.19	0.00
6.60	0.09	1,016	198.20	0.00
6.70	0.10	1,050	198.21	0.00
6.80	0.10	1,085	198.21	0.00
6.90	0.10	1,121	198.22	0.00
7.00	0.10	1,158	198.23	0.00
7.10	0.11	1,196	198.23	0.00
7.20	0.11	1,235	198.24	0.00
7.30	0.11	1,274	198.25	0.00
7.40	0.11	1,315	198.26	0.00
7.50	0.12	1,356	198.27	0.00
7.60	0.12	1,399	198.27	0.00
7.70	0.12	1,442	198.28	0.00
7.80	0.12	1,486	198.29	0.00
7.90	0.13	1,532	198.30	0.00
8.00	0.13	1,578	198.31	0.00
8.10	0.13	1,625	198.32	0.00
8.20	0.13	1,673	198.33	0.00
8.30	0.14	1,722	198.34	0.00
8.40	0.14	1,772	198.35	0.00
8.50	0.14	1,823	198.36	0.00
8.60	0.14	1,875	198.37	0.00
8.70	0.15	1,928	198.38	0.00
8.80	0.15	1,981	198.39	0.00
8.90	0.15	2,036	198.40	0.00
9.00	0.16	2,092	198.41	0.00
9.10	0.16	2,150	198.42	0.00
9.20	0.17	2,211	198.43	0.00
9.30	0.18	2,275	198.44	0.00
9.40	0.19	2,342	198.46	0.00
9.50	0.20	2,413	198.47	0.00
9.60	0.21	2,487	198.49	0.00
9.70	0.22	2,564	198.50	0.00
9.80	0.23	2,644	198.52	0.00
9.90	0.24	2,728	198.53	0.00
10.00	0.24	2,815	198.55	0.00
10.10	0.25	2,905	198.57	0.00
10.20	0.26	2,998	198.59	0.00
10.30	0.28	3,096	198.61	0.00

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.29	3,197	198.63	0.00
10.50	0.30	3,303	198.65	0.00
10.60	0.33	3,417	198.67	0.00
10.70	0.37	3,546	198.69	0.00
10.80	0.41	3,687	198.72	0.00
10.90	0.45	3,843	198.75	0.00
11.00	0.49	4,013	198.78	0.00
11.10	0.56	4,204	198.82	0.00
11.20	0.63	4,421	198.86	0.00
11.30	0.71	4,665	198.91	0.00
11.40	0.79	4,937	198.97	0.00
11.50	0.86	5,236	199.02	0.00
11.60	1.31	5,639	199.10	0.00
11.70	1.44	6,136	199.20	0.01
11.80	1.98	6,719	199.31	0.28
11.90	2.81	7,402	199.45	0.84
12.00	4.86	8,374	199.64	1.67
12.10	**8.13**	10,057	199.97	2.50
12.20	4.12	11,167	200.18	2.91
12.30	2.73	**11,302**	**200.21**	**2.96**
12.40	1.95	11,070	200.16	2.88
12.50	1.72	10,712	200.09	2.75
12.60	1.22	10,267	200.01	2.58
12.70	1.06	9,780	199.91	2.38
12.80	0.96	9,321	199.82	2.18
12.90	0.87	8,902	199.74	1.97
13.00	0.78	8,525	199.67	1.76
13.10	0.69	8,191	199.60	1.55
13.20	0.64	7,909	199.55	1.34
13.30	0.59	7,686	199.50	1.12
13.40	0.54	7,516	199.47	0.95
13.50	0.49	7,382	199.44	0.82
13.60	0.44	7,273	199.42	0.72
13.70	0.42	7,184	199.40	0.64
13.80	0.41	7,115	199.39	0.58
13.90	0.40	7,059	199.38	0.54
14.00	0.38	7,013	199.37	0.50
14.10	0.37	6,975	199.36	0.47
14.20	0.36	6,943	199.36	0.44
14.30	0.35	6,915	199.35	0.42
14.40	0.33	6,890	199.35	0.40
14.50	0.32	6,866	199.34	0.38
14.60	0.31	6,844	199.34	0.37
14.70	0.30	6,822	199.33	0.35
14.80	0.28	6,802	199.33	0.34
14.90	0.27	6,781	199.33	0.33
15.00	0.26	6,762	199.32	0.31
15.10	0.25	6,742	199.32	0.30
15.20	0.24	6,724	199.31	0.29
15.30	0.24	6,709	199.31	0.28
15.40	0.23	6,695	199.31	0.27
15.50	0.23	6,684	199.31	0.26

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.23	6,674	199.31	0.25
15.70	0.22	6,666	199.30	0.25
15.80	0.22	6,658	199.30	0.24
15.90	0.22	6,650	199.30	0.24
16.00	0.21	6,643	199.30	0.23
16.10	0.21	6,637	199.30	0.23
16.20	0.21	6,630	199.30	0.22
16.30	0.20	6,624	199.30	0.22
16.40	0.20	6,617	199.29	0.22
16.50	0.20	6,611	199.29	0.21
16.60	0.19	6,605	199.29	0.21
16.70	0.19	6,598	199.29	0.21
16.80	0.19	6,592	199.29	0.20
16.90	0.18	6,586	199.29	0.20
17.00	0.18	6,580	199.29	0.20
17.10	0.18	6,573	199.29	0.19
17.20	0.17	6,567	199.28	0.19
17.30	0.17	6,561	199.28	0.19
17.40	0.17	6,555	199.28	0.18
17.50	0.16	6,548	199.28	0.18
17.60	0.16	6,542	199.28	0.18
17.70	0.16	6,536	199.28	0.17
17.80	0.15	6,530	199.28	0.17
17.90	0.15	6,523	199.28	0.17
18.00	0.15	6,517	199.27	0.16
18.10	0.14	6,511	199.27	0.16
18.20	0.14	6,505	199.27	0.16
18.30	0.14	6,500	199.27	0.15
18.40	0.14	6,495	199.27	0.15
18.50	0.14	6,491	199.27	0.15
18.60	0.14	6,488	199.27	0.15
18.70	0.14	6,484	199.27	0.14
18.80	0.14	6,481	199.27	0.14
18.90	0.13	6,479	199.27	0.14
19.00	0.13	6,476	199.27	0.14
19.10	0.13	6,474	199.27	0.14
19.20	0.13	6,472	199.27	0.14
19.30	0.13	6,470	199.27	0.14
19.40	0.13	6,468	199.26	0.14
19.50	0.13	6,466	199.26	0.13
19.60	0.13	6,464	199.26	0.13
19.70	0.13	6,462	199.26	0.13
19.80	0.13	6,461	199.26	0.13
19.90	0.13	6,459	199.26	0.13
20.00	0.13	6,457	199.26	0.13
20.10	0.12	6,456	199.26	0.13
20.20	0.12	6,454	199.26	0.13
20.30	0.12	6,452	199.26	0.13
20.40	0.12	6,451	199.26	0.13
20.50	0.12	6,449	199.26	0.13
20.60	0.12	6,448	199.26	0.12
20.70	0.12	6,446	199.26	0.12

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.12	6,444	199.26	0.12
20.90	0.12	6,443	199.26	0.12
21.00	0.12	6,441	199.26	0.12
21.10	0.12	6,440	199.26	0.12
21.20	0.11	6,438	199.26	0.12
21.30	0.11	6,437	199.26	0.12
21.40	0.11	6,435	199.26	0.12
21.50	0.11	6,433	199.26	0.12
21.60	0.11	6,432	199.26	0.12
21.70	0.11	6,430	199.26	0.12
21.80	0.11	6,429	199.26	0.11
21.90	0.11	6,427	199.26	0.11
22.00	0.11	6,426	199.26	0.11
22.10	0.11	6,424	199.26	0.11
22.20	0.11	6,423	199.26	0.11
22.30	0.11	6,421	199.26	0.11
22.40	0.10	6,419	199.26	0.11
22.50	0.10	6,418	199.25	0.11
22.60	0.10	6,416	199.25	0.11
22.70	0.10	6,415	199.25	0.11
22.80	0.10	6,413	199.25	0.11
22.90	0.10	6,411	199.25	0.10
23.00	0.10	6,410	199.25	0.10
23.10	0.10	6,408	199.25	0.10
23.20	0.10	6,407	199.25	0.10
23.30	0.10	6,405	199.25	0.10
23.40	0.10	6,404	199.25	0.10
23.50	0.10	6,402	199.25	0.10
23.60	0.09	6,400	199.25	0.10
23.70	0.09	6,399	199.25	0.10
23.80	0.09	6,397	199.25	0.10
23.90	0.09	6,396	199.25	0.10
24.00	0.11	6,397	199.25	0.10
24.10	0.03	6,385	199.25	0.09
24.20	0.01	6,359	199.24	0.08
24.30	0.00	6,332	199.24	0.07
24.40	0.00	6,307	199.23	0.06
24.50	0.00	6,285	199.23	0.06
24.60	0.00	6,266	199.23	0.05
24.70	0.00	6,248	199.22	0.04
24.80	0.00	6,233	199.22	0.04
24.90	0.00	6,220	199.22	0.03
25.00	0.00	6,208	199.21	0.03
25.10	0.00	6,197	199.21	0.03
25.20	0.00	6,188	199.21	0.02
25.30	0.00	6,180	199.21	0.02
25.40	0.00	6,173	199.21	0.02
25.50	0.00	6,166	199.21	0.02
25.60	0.00	6,161	199.20	0.01
25.70	0.00	6,156	199.20	0.01
25.80	0.00	6,151	199.20	0.01
25.90	0.00	6,148	199.20	0.01

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	6,144	199.20	0.01
26.10	0.00	6,141	199.20	0.01
26.20	0.00	6,138	199.20	0.01
26.30	0.00	6,136	199.20	0.01
26.40	0.00	6,134	199.20	0.01
26.50	0.00	6,132	199.20	0.01
26.60	0.00	6,130	199.20	0.01
26.70	0.00	6,128	199.20	0.01
26.80	0.00	6,126	199.20	0.01
26.90	0.00	6,124	199.20	0.00
27.00	0.00	6,122	199.20	0.00
27.10	0.00	6,121	199.20	0.00
27.20	0.00	6,119	199.20	0.00
27.30	0.00	6,118	199.20	0.00
27.40	0.00	6,116	199.20	0.00
27.50	0.00	6,115	199.20	0.00
27.60	0.00	6,114	199.20	0.00
27.70	0.00	6,112	199.20	0.00
27.80	0.00	6,111	199.20	0.00
27.90	0.00	6,110	199.19	0.00
28.00	0.00	6,109	199.19	0.00
28.10	0.00	6,108	199.19	0.00
28.20	0.00	6,107	199.19	0.00
28.30	0.00	6,106	199.19	0.00
28.40	0.00	6,105	199.19	0.00
28.50	0.00	6,104	199.19	0.00
28.60	0.00	6,103	199.19	0.00
28.70	0.00	6,103	199.19	0.00
28.80	0.00	6,102	199.19	0.00
28.90	0.00	6,101	199.19	0.00
29.00	0.00	6,101	199.19	0.00
29.10	0.00	6,100	199.19	0.00
29.20	0.00	6,099	199.19	0.00
29.30	0.00	6,099	199.19	0.00
29.40	0.00	6,098	199.19	0.00
29.50	0.00	6,098	199.19	0.00
29.60	0.00	6,097	199.19	0.00
29.70	0.00	6,097	199.19	0.00
29.80	0.00	6,096	199.19	0.00
29.90	0.00	6,096	199.19	0.00
30.00	0.00	6,095	199.19	0.00
30.10	0.00	6,095	199.19	0.00
30.20	0.00	6,094	199.19	0.00
30.30	0.00	6,094	199.19	0.00
30.40	0.00	6,094	199.19	0.00
30.50	0.00	6,093	199.19	0.00
30.60	0.00	6,093	199.19	0.00
30.70	0.00	6,093	199.19	0.00
30.80	0.00	6,092	199.19	0.00
30.90	0.00	6,092	199.19	0.00
31.00	0.00	6,092	199.19	0.00
31.10	0.00	6,091	199.19	0.00

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	6,091	199.19	0.00
31.30	0.00	6,091	199.19	0.00
31.40	0.00	6,091	199.19	0.00
31.50	0.00	6,090	199.19	0.00
31.60	0.00	6,090	199.19	0.00
31.70	0.00	6,090	199.19	0.00
31.80	0.00	6,090	199.19	0.00
31.90	0.00	6,090	199.19	0.00
32.00	0.00	6,089	199.19	0.00
32.10	0.00	6,089	199.19	0.00
32.20	0.00	6,089	199.19	0.00
32.30	0.00	6,089	199.19	0.00
32.40	0.00	6,089	199.19	0.00
32.50	0.00	6,089	199.19	0.00
32.60	0.00	6,089	199.19	0.00
32.70	0.00	6,088	199.19	0.00
32.80	0.00	6,088	199.19	0.00
32.90	0.00	6,088	199.19	0.00
33.00	0.00	6,088	199.19	0.00
33.10	0.00	6,088	199.19	0.00
33.20	0.00	6,088	199.19	0.00
33.30	0.00	6,088	199.19	0.00
33.40	0.00	6,088	199.19	0.00
33.50	0.00	6,088	199.19	0.00
33.60	0.00	6,088	199.19	0.00
33.70	0.00	6,087	199.19	0.00
33.80	0.00	6,087	199.19	0.00
33.90	0.00	6,087	199.19	0.00
34.00	0.00	6,087	199.19	0.00
34.10	0.00	6,087	199.19	0.00
34.20	0.00	6,087	199.19	0.00
34.30	0.00	6,087	199.19	0.00
34.40	0.00	6,087	199.19	0.00
34.50	0.00	6,087	199.19	0.00
34.60	0.00	6,087	199.19	0.00
34.70	0.00	6,087	199.19	0.00
34.80	0.00	6,087	199.19	0.00
34.90	0.00	6,087	199.19	0.00
35.00	0.00	6,087	199.19	0.00
35.10	0.00	6,087	199.19	0.00
35.20	0.00	6,087	199.19	0.00
35.30	0.00	6,087	199.19	0.00
35.40	0.00	6,086	199.19	0.00
35.50	0.00	6,086	199.19	0.00
35.60	0.00	6,086	199.19	0.00
35.70	0.00	6,086	199.19	0.00
35.80	0.00	6,086	199.19	0.00
35.90	0.00	6,086	199.19	0.00
36.00	0.00	6,086	199.19	0.00
36.10	0.00	6,086	199.19	0.00
36.20	0.00	6,086	199.19	0.00
36.30	0.00	6,086	199.19	0.00

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	6,086	199.19	0.00
36.50	0.00	6,086	199.19	0.00
36.60	0.00	6,086	199.19	0.00
36.70	0.00	6,086	199.19	0.00
36.80	0.00	6,086	199.19	0.00
36.90	0.00	6,086	199.19	0.00
37.00	0.00	6,086	199.19	0.00
37.10	0.00	6,086	199.19	0.00
37.20	0.00	6,086	199.19	0.00
37.30	0.00	6,086	199.19	0.00
37.40	0.00	6,086	199.19	0.00
37.50	0.00	6,086	199.19	0.00
37.60	0.00	6,086	199.19	0.00
37.70	0.00	6,086	199.19	0.00
37.80	0.00	6,086	199.19	0.00
37.90	0.00	6,086	199.19	0.00
38.00	0.00	6,086	199.19	0.00
38.10	0.00	6,086	199.19	0.00
38.20	0.00	6,086	199.19	0.00
38.30	0.00	6,086	199.19	0.00
38.40	0.00	6,086	199.19	0.00
38.50	0.00	6,086	199.19	0.00
38.60	0.00	6,086	199.19	0.00
38.70	0.00	6,086	199.19	0.00
38.80	0.00	6,086	199.19	0.00
38.90	0.00	6,086	199.19	0.00
39.00	0.00	6,086	199.19	0.00
39.10	0.00	6,086	199.19	0.00
39.20	0.00	6,086	199.19	0.00
39.30	0.00	6,086	199.19	0.00
39.40	0.00	6,086	199.19	0.00
39.50	0.00	6,086	199.19	0.00
39.60	0.00	6,086	199.19	0.00
39.70	0.00	6,086	199.19	0.00
39.80	0.00	6,086	199.19	0.00
39.90	0.00	6,086	199.19	0.00
40.00	0.00	6,086	199.19	0.00

Stage-Discharge for Pond B-54: Basin #54

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
198.00	0.00	198.52	0.00	199.04	0.00	199.56	1.40
198.01	0.00	198.53	0.00	199.05	0.00	199.57	1.44
198.02	0.00	198.54	0.00	199.06	0.00	199.58	1.48
198.03	0.00	198.55	0.00	199.07	0.00	199.59	1.51
198.04	0.00	198.56	0.00	199.08	0.00	199.60	1.55
198.05	0.00	198.57	0.00	199.09	0.00	199.61	1.58
198.06	0.00	198.58	0.00	199.10	0.00	199.62	1.62
198.07	0.00	198.59	0.00	199.11	0.00	199.63	1.65
198.08	0.00	198.60	0.00	199.12	0.00	199.64	1.68
198.09	0.00	198.61	0.00	199.13	0.00	199.65	1.71
198.10	0.00	198.62	0.00	199.14	0.00	199.66	1.74
198.11	0.00	198.63	0.00	199.15	0.00	199.67	1.77
198.12	0.00	198.64	0.00	199.16	0.00	199.68	1.80
198.13	0.00	198.65	0.00	199.17	0.00	199.69	1.83
198.14	0.00	198.66	0.00	199.18	0.00	199.70	1.86
198.15	0.00	198.67	0.00	199.19	0.00	199.71	1.89
198.16	0.00	198.68	0.00	199.20	0.01	199.72	1.92
198.17	0.00	198.69	0.00	199.21	0.02	199.73	1.94
198.18	0.00	198.70	0.00	199.22	0.03	199.74	1.97
198.19	0.00	198.71	0.00	199.23	0.05	199.75	2.00
198.20	0.00	198.72	0.00	199.24	0.07	199.76	2.02
198.21	0.00	198.73	0.00	199.25	0.09	199.77	2.05
198.22	0.00	198.74	0.00	199.26	0.12	199.78	2.07
198.23	0.00	198.75	0.00	199.27	0.15	199.79	2.10
198.24	0.00	198.76	0.00	199.28	0.17	199.80	2.12
198.25	0.00	198.77	0.00	199.29	0.20	199.81	2.15
198.26	0.00	198.78	0.00	199.30	0.23	199.82	2.17
198.27	0.00	198.79	0.00	199.31	0.27	199.83	2.20
198.28	0.00	198.80	0.00	199.32	0.30	199.84	2.22
198.29	0.00	198.81	0.00	199.33	0.34	199.85	2.24
198.30	0.00	198.82	0.00	199.34	0.37	199.86	2.27
198.31	0.00	198.83	0.00	199.35	0.41	199.87	2.29
198.32	0.00	198.84	0.00	199.36	0.45	199.88	2.31
198.33	0.00	198.85	0.00	199.37	0.49	199.89	2.33
198.34	0.00	198.86	0.00	199.38	0.53	199.90	2.36
198.35	0.00	198.87	0.00	199.39	0.57	199.91	2.38
198.36	0.00	198.88	0.00	199.40	0.62	199.92	2.40
198.37	0.00	198.89	0.00	199.41	0.66	199.93	2.42
198.38	0.00	198.90	0.00	199.42	0.71	199.94	2.44
198.39	0.00	198.91	0.00	199.43	0.75	199.95	2.46
198.40	0.00	198.92	0.00	199.44	0.80	199.96	2.49
198.41	0.00	198.93	0.00	199.45	0.85	199.97	2.51
198.42	0.00	198.94	0.00	199.46	0.90	199.98	2.53
198.43	0.00	198.95	0.00	199.47	0.95	199.99	2.55
198.44	0.00	198.96	0.00	199.48	1.00	200.00	2.57
198.45	0.00	198.97	0.00	199.49	1.05	200.01	2.59
198.46	0.00	198.98	0.00	199.50	1.11	200.02	2.61
198.47	0.00	198.99	0.00	199.51	1.16	200.03	2.63
198.48	0.00	199.00	0.00	199.52	1.22	200.04	2.65
198.49	0.00	199.01	0.00	199.53	1.27	200.05	2.67
198.50	0.00	199.02	0.00	199.54	1.32	200.06	2.69
198.51	0.00	199.03	0.00	199.55	1.36	200.07	2.70

Stage-Discharge for Pond B-54: Basin #54 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
200.08	2.72	200.60	3.58	201.12	4.26	201.64	5.92
200.09	2.74	200.61	3.59	201.13	4.27	201.65	6.02
200.10	2.76	200.62	3.61	201.14	4.29	201.66	6.12
200.11	2.78	200.63	3.62	201.15	4.30	201.67	6.22
200.12	2.80	200.64	3.63	201.16	4.31	201.68	6.32
200.13	2.82	200.65	3.65	201.17	4.32	201.69	6.42
200.14	2.84	200.66	3.66	201.18	4.33	201.70	6.53
200.15	2.85	200.67	3.68	201.19	4.34	201.71	6.63
200.16	2.87	200.68	3.69	201.20	4.36	201.72	6.74
200.17	2.89	200.69	3.70	201.21	4.37	201.73	6.85
200.18	2.91	200.70	3.72	201.22	4.38	201.74	6.97
200.19	2.93	200.71	3.73	201.23	4.39	201.75	7.08
200.20	2.94	200.72	3.75	201.24	4.40	201.76	7.20
200.21	2.96	200.73	3.76	201.25	4.42	201.77	7.32
200.22	2.98	200.74	3.77	201.26	4.43	201.78	7.43
200.23	3.00	200.75	3.79	201.27	4.44	201.79	7.56
200.24	3.01	200.76	3.80	201.28	4.45	201.80	7.68
200.25	3.03	200.77	3.81	201.29	4.46	201.81	7.80
200.26	3.05	200.78	3.83	201.30	4.47	201.82	7.93
200.27	3.06	200.79	3.84	201.31	4.48	201.83	8.05
200.28	3.08	200.80	3.85	201.32	4.50	201.84	8.18
200.29	3.10	200.81	3.87	201.33	4.51	201.85	8.31
200.30	3.11	200.82	3.88	201.34	4.52	201.86	8.44
200.31	3.13	200.83	3.89	201.35	4.53	201.87	8.57
200.32	3.15	200.84	3.91	201.36	4.54	201.88	8.71
200.33	3.16	200.85	3.92	201.37	4.55	201.89	8.84
200.34	3.18	200.86	3.93	201.38	4.56	201.90	8.98
200.35	3.20	200.87	3.95	201.39	4.58	201.91	9.12
200.36	3.21	200.88	3.96	201.40	4.59	201.92	9.25
200.37	3.23	200.89	3.97	201.41	4.60	201.93	9.39
200.38	3.24	200.90	3.99	201.42	4.61	201.94	9.53
200.39	3.26	200.91	4.00	201.43	4.62	201.95	9.68
200.40	3.28	200.92	4.01	201.44	4.63	201.96	9.82
200.41	3.29	200.93	4.02	201.45	4.64	201.97	9.97
200.42	3.31	200.94	4.04	201.46	4.67	201.98	10.11
200.43	3.32	200.95	4.05	201.47	4.70	201.99	10.26
200.44	3.34	200.96	4.06	201.48	4.74	202.00	10.41
200.45	3.35	200.97	4.08	201.49	4.79	202.01	10.56
200.46	3.37	200.98	4.09	201.50	4.84	202.02	10.71
200.47	3.38	200.99	4.10	201.51	4.90	202.03	10.86
200.48	3.40	201.00	4.11	201.52	4.96	202.04	11.01
200.49	3.41	201.01	4.13	201.53	5.03	202.05	11.16
200.50	3.43	201.02	4.14	201.54	5.09	202.06	11.32
200.51	3.44	201.03	4.15	201.55	5.16	202.07	11.47
200.52	3.46	201.04	4.16	201.56	5.24	202.08	11.63
200.53	3.47	201.05	4.18	201.57	5.31	202.09	11.79
200.54	3.49	201.06	4.19	201.58	5.39	202.10	11.95
200.55	3.50	201.07	4.20	201.59	5.48	202.11	12.11
200.56	3.52	201.08	4.21	201.60	5.56	202.12	12.27
200.57	3.53	201.09	4.22	201.61	5.65	202.13	12.43
200.58	3.55	201.10	4.24	201.62	5.74	202.14	12.59
200.59	3.56	201.11	4.25	201.63	5.83	202.15	12.76

Stage-Discharge for Pond B-54: Basin #54 (continued)

Elevation (feet)	Primary (cfs)
202.16	12.92
202.17	13.09
202.18	13.25
202.19	13.42
202.20	13.59
202.21	13.76
202.22	13.93
202.23	14.10
202.24	14.27
202.25	14.44
202.26	14.62
202.27	14.79
202.28	14.97
202.29	15.14
202.30	15.32
202.31	15.50
202.32	15.68
202.33	15.86
202.34	16.04
202.35	16.22
202.36	16.40
202.37	16.58
202.38	16.77
202.39	16.95
202.40	17.14
202.41	17.32
202.42	17.51
202.43	17.69
202.44	17.88
202.45	18.07
202.46	18.26
202.47	18.45
202.48	18.64
202.49	18.83
202.50	19.02
202.51	19.33
202.52	19.74
202.53	20.21
202.54	20.74
202.55	21.31
202.56	21.92
202.57	22.56
202.58	23.24
202.59	23.96
202.60	24.70
202.61	25.47
202.62	26.27
202.63	27.10
202.64	27.96
202.65	28.83
202.66	29.74
202.67	30.66
202.68	31.61
202.69	32.58
202.70	33.57
202.71	34.62
202.72	35.70
202.73	36.81
202.74	37.94
202.75	39.09
202.76	40.28
202.77	41.48
202.78	42.72
202.79	43.97
202.80	45.26
202.81	46.56
202.82	47.90
202.83	49.26
202.84	50.64
202.85	52.05
202.86	53.48
202.87	54.94
202.88	56.42
202.89	57.92
202.90	59.45
202.91	61.04
202.92	62.65
202.93	64.28
202.94	65.94
202.95	67.63
202.96	69.35
202.97	71.09
202.98	72.86
202.99	74.65
203.00	**76.48**

Stage-Area-Storage for Pond B-54: Basin #54

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
198.00	**5,114**	0	198.52	5,114	2,659
198.01	5,114	51	198.53	5,114	2,710
198.02	5,114	102	198.54	5,114	2,762
198.03	5,114	153	198.55	5,114	2,813
198.04	5,114	205	198.56	5,114	2,864
198.05	5,114	256	198.57	5,114	2,915
198.06	5,114	307	198.58	5,114	2,966
198.07	5,114	358	198.59	5,114	3,017
198.08	5,114	409	198.60	5,114	3,068
198.09	5,114	460	198.61	5,114	3,120
198.10	5,114	511	198.62	5,114	3,171
198.11	5,114	563	198.63	5,114	3,222
198.12	5,114	614	198.64	5,114	3,273
198.13	5,114	665	198.65	5,114	3,324
198.14	5,114	716	198.66	5,114	3,375
198.15	5,114	767	198.67	5,114	3,426
198.16	5,114	818	198.68	5,114	3,478
198.17	5,114	869	198.69	5,114	3,529
198.18	5,114	921	198.70	5,114	3,580
198.19	5,114	972	198.71	5,114	3,631
198.20	5,114	1,023	198.72	5,114	3,682
198.21	5,114	1,074	198.73	5,114	3,733
198.22	5,114	1,125	198.74	5,114	3,784
198.23	5,114	1,176	198.75	5,114	3,836
198.24	5,114	1,227	198.76	5,114	3,887
198.25	5,114	1,279	198.77	5,114	3,938
198.26	5,114	1,330	198.78	5,114	3,989
198.27	5,114	1,381	198.79	5,114	4,040
198.28	5,114	1,432	198.80	5,114	4,091
198.29	5,114	1,483	198.81	5,114	4,142
198.30	5,114	1,534	198.82	5,114	4,193
198.31	5,114	1,585	198.83	5,114	4,245
198.32	5,114	1,636	198.84	5,114	4,296
198.33	5,114	1,688	198.85	5,114	4,347
198.34	5,114	1,739	198.86	5,114	4,398
198.35	5,114	1,790	198.87	5,114	4,449
198.36	5,114	1,841	198.88	5,114	4,500
198.37	5,114	1,892	198.89	5,114	4,551
198.38	5,114	1,943	198.90	5,114	4,603
198.39	5,114	1,994	198.91	5,114	4,654
198.40	5,114	2,046	198.92	5,114	4,705
198.41	5,114	2,097	198.93	5,114	4,756
198.42	5,114	2,148	198.94	5,114	4,807
198.43	5,114	2,199	198.95	5,114	4,858
198.44	5,114	2,250	198.96	5,114	4,909
198.45	5,114	2,301	198.97	5,114	4,961
198.46	5,114	2,352	198.98	5,114	5,012
198.47	5,114	2,404	198.99	5,114	5,063
198.48	5,114	2,455	199.00	5,114	5,114
198.49	5,114	2,506	199.01	5,114	5,165
198.50	5,114	2,557	199.02	5,114	5,216
198.51	5,114	2,608	199.03	5,114	5,267

Stage-Area-Storage for Pond B-54: Basin #54 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
199.04	5,114	5,319	199.56	5,114	7,978
199.05	5,114	5,370	199.57	5,114	8,029
199.06	5,114	5,421	199.58	5,114	8,080
199.07	5,114	5,472	199.59	5,114	8,131
199.08	5,114	5,523	199.60	5,114	8,182
199.09	5,114	5,574	199.61	5,114	8,234
199.10	5,114	5,625	199.62	5,114	8,285
199.11	5,114	5,677	199.63	5,114	8,336
199.12	5,114	5,728	199.64	5,114	8,387
199.13	5,114	5,779	199.65	5,114	8,438
199.14	5,114	5,830	199.66	5,114	8,489
199.15	5,114	5,881	199.67	5,114	8,540
199.16	5,114	5,932	199.68	5,114	8,592
199.17	5,114	5,983	199.69	5,114	8,643
199.18	5,114	6,035	199.70	5,114	8,694
199.19	5,114	6,086	199.71	5,114	8,745
199.20	5,114	6,137	199.72	5,114	8,796
199.21	5,114	6,188	199.73	5,114	8,847
199.22	5,114	6,239	199.74	5,114	8,898
199.23	5,114	6,290	199.75	5,114	8,950
199.24	5,114	6,341	199.76	5,114	9,001
199.25	5,114	6,393	199.77	5,114	9,052
199.26	5,114	6,444	199.78	5,114	9,103
199.27	5,114	6,495	199.79	5,114	9,154
199.28	5,114	6,546	199.80	5,114	9,205
199.29	5,114	6,597	199.81	5,114	9,256
199.30	5,114	6,648	199.82	5,114	9,307
199.31	5,114	6,699	199.83	5,114	9,359
199.32	5,114	6,750	199.84	5,114	9,410
199.33	5,114	6,802	199.85	5,114	9,461
199.34	5,114	6,853	199.86	5,114	9,512
199.35	5,114	6,904	199.87	5,114	9,563
199.36	5,114	6,955	199.88	5,114	9,614
199.37	5,114	7,006	199.89	5,114	9,665
199.38	5,114	7,057	199.90	5,114	9,717
199.39	5,114	7,108	199.91	5,114	9,768
199.40	5,114	7,160	199.92	5,114	9,819
199.41	5,114	7,211	199.93	5,114	9,870
199.42	5,114	7,262	199.94	5,114	9,921
199.43	5,114	7,313	199.95	5,114	9,972
199.44	5,114	7,364	199.96	5,114	10,023
199.45	5,114	7,415	199.97	5,114	10,075
199.46	5,114	7,466	199.98	5,114	10,126
199.47	5,114	7,518	199.99	5,114	10,177
199.48	5,114	7,569	200.00	5,114	10,228
199.49	5,114	7,620	200.01	5,114	10,279
199.50	5,114	7,671	200.02	5,114	10,330
199.51	5,114	7,722	200.03	5,114	10,381
199.52	5,114	7,773	200.04	5,114	10,433
199.53	5,114	7,824	200.05	5,114	10,484
199.54	5,114	7,876	200.06	5,114	10,535
199.55	5,114	7,927	200.07	5,114	10,586

Stage-Area-Storage for Pond B-54: Basin #54 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
200.08	5,114	10,637	200.60	5,114	13,296
200.09	5,114	10,688	200.61	5,114	13,348
200.10	5,114	10,739	200.62	5,114	13,399
200.11	5,114	10,791	200.63	5,114	13,450
200.12	5,114	10,842	200.64	5,114	13,501
200.13	5,114	10,893	200.65	5,114	13,552
200.14	5,114	10,944	200.66	5,114	13,603
200.15	5,114	10,995	200.67	5,114	13,654
200.16	5,114	11,046	200.68	5,114	13,706
200.17	5,114	11,097	200.69	5,114	13,757
200.18	5,114	11,149	200.70	5,114	13,808
200.19	5,114	11,200	200.71	5,114	13,859
200.20	5,114	11,251	200.72	5,114	13,910
200.21	5,114	11,302	200.73	5,114	13,961
200.22	5,114	11,353	200.74	5,114	14,012
200.23	5,114	11,404	200.75	5,114	14,064
200.24	5,114	11,455	200.76	5,114	14,115
200.25	5,114	11,507	200.77	5,114	14,166
200.26	5,114	11,558	200.78	5,114	14,217
200.27	5,114	11,609	200.79	5,114	14,268
200.28	5,114	11,660	200.80	5,114	14,319
200.29	5,114	11,711	200.81	5,114	14,370
200.30	5,114	11,762	200.82	5,114	14,421
200.31	5,114	11,813	200.83	5,114	14,473
200.32	5,114	11,864	200.84	5,114	14,524
200.33	5,114	11,916	200.85	5,114	14,575
200.34	5,114	11,967	200.86	5,114	14,626
200.35	5,114	12,018	200.87	5,114	14,677
200.36	5,114	12,069	200.88	5,114	14,728
200.37	5,114	12,120	200.89	5,114	14,779
200.38	5,114	12,171	200.90	5,114	14,831
200.39	5,114	12,222	200.91	5,114	14,882
200.40	5,114	12,274	200.92	5,114	14,933
200.41	5,114	12,325	200.93	5,114	14,984
200.42	5,114	12,376	200.94	5,114	15,035
200.43	5,114	12,427	200.95	5,114	15,086
200.44	5,114	12,478	200.96	5,114	15,137
200.45	5,114	12,529	200.97	5,114	15,189
200.46	5,114	12,580	200.98	5,114	15,240
200.47	5,114	12,632	200.99	5,114	15,291
200.48	5,114	12,683	201.00	5,114	15,342
200.49	5,114	12,734	201.01	5,114	15,393
200.50	5,114	12,785	201.02	5,114	15,444
200.51	5,114	12,836	201.03	5,114	15,495
200.52	5,114	12,887	201.04	5,114	15,547
200.53	5,114	12,938	201.05	5,114	15,598
200.54	5,114	12,990	201.06	5,114	15,649
200.55	5,114	13,041	201.07	5,114	15,700
200.56	5,114	13,092	201.08	5,114	15,751
200.57	5,114	13,143	201.09	5,114	15,802
200.58	5,114	13,194	201.10	5,114	15,853
200.59	5,114	13,245	201.11	5,114	15,905

Stage-Area-Storage for Pond B-54: Basin #54 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
201.12	5,114	15,956	201.64	5,114	18,615
201.13	5,114	16,007	201.65	5,114	18,666
201.14	5,114	16,058	201.66	5,114	18,717
201.15	5,114	16,109	201.67	5,114	18,768
201.16	5,114	16,160	201.68	5,114	18,820
201.17	5,114	16,211	201.69	5,114	18,871
201.18	5,114	16,263	201.70	5,114	18,922
201.19	5,114	16,314	201.71	5,114	18,973
201.20	5,114	16,365	201.72	5,114	19,024
201.21	5,114	16,416	201.73	5,114	19,075
201.22	5,114	16,467	201.74	5,114	19,126
201.23	5,114	16,518	201.75	5,114	19,178
201.24	5,114	16,569	201.76	5,114	19,229
201.25	5,114	16,621	201.77	5,114	19,280
201.26	5,114	16,672	201.78	5,114	19,331
201.27	5,114	16,723	201.79	5,114	19,382
201.28	5,114	16,774	201.80	5,114	19,433
201.29	5,114	16,825	201.81	5,114	19,484
201.30	5,114	16,876	201.82	5,114	19,535
201.31	5,114	16,927	201.83	5,114	19,587
201.32	5,114	16,978	201.84	5,114	19,638
201.33	5,114	17,030	201.85	5,114	19,689
201.34	5,114	17,081	201.86	5,114	19,740
201.35	5,114	17,132	201.87	5,114	19,791
201.36	5,114	17,183	201.88	5,114	19,842
201.37	5,114	17,234	201.89	5,114	19,893
201.38	5,114	17,285	201.90	5,114	19,945
201.39	5,114	17,336	201.91	5,114	19,996
201.40	5,114	17,388	201.92	5,114	20,047
201.41	5,114	17,439	201.93	5,114	20,098
201.42	5,114	17,490	201.94	5,114	20,149
201.43	5,114	17,541	201.95	5,114	20,200
201.44	5,114	17,592	201.96	5,114	20,251
201.45	5,114	17,643	201.97	5,114	20,303
201.46	5,114	17,694	201.98	5,114	20,354
201.47	5,114	17,746	201.99	5,114	20,405
201.48	5,114	17,797	202.00	5,114	20,456
201.49	5,114	17,848	202.01	5,114	20,507
201.50	5,114	17,899	202.02	5,114	20,558
201.51	5,114	17,950	202.03	5,114	20,609
201.52	5,114	18,001	202.04	5,114	20,661
201.53	5,114	18,052	202.05	5,114	20,712
201.54	5,114	18,104	202.06	5,114	20,763
201.55	5,114	18,155	202.07	5,114	20,814
201.56	5,114	18,206	202.08	5,114	20,865
201.57	5,114	18,257	202.09	5,114	20,916
201.58	5,114	18,308	202.10	5,114	20,967
201.59	5,114	18,359	202.11	5,114	21,019
201.60	5,114	18,410	202.12	5,114	21,070
201.61	5,114	18,462	202.13	5,114	21,121
201.62	5,114	18,513	202.14	5,114	21,172
201.63	5,114	18,564	202.15	5,114	21,223

Stage-Area-Storage for Pond B-54: Basin #54 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
202.16	5,114	21,274
202.17	5,114	21,325
202.18	5,114	21,377
202.19	5,114	21,428
202.20	5,114	21,479
202.21	5,114	21,530
202.22	5,114	21,581
202.23	5,114	21,632
202.24	5,114	21,683
202.25	5,114	21,735
202.26	5,114	21,786
202.27	5,114	21,837
202.28	5,114	21,888
202.29	5,114	21,939
202.30	5,114	21,990
202.31	5,114	22,041
202.32	5,114	22,092
202.33	5,114	22,144
202.34	5,114	22,195
202.35	5,114	22,246
202.36	5,114	22,297
202.37	5,114	22,348
202.38	5,114	22,399
202.39	5,114	22,450
202.40	5,114	22,502
202.41	5,114	22,553
202.42	5,114	22,604
202.43	5,114	22,655
202.44	5,114	22,706
202.45	5,114	22,757
202.46	5,114	22,808
202.47	5,114	22,860
202.48	5,114	22,911
202.49	5,114	22,962
202.50	5,114	23,013
202.51	5,114	23,064
202.52	5,114	23,115
202.53	5,114	23,166
202.54	5,114	23,218
202.55	5,114	23,269
202.56	5,114	23,320
202.57	5,114	23,371
202.58	5,114	23,422
202.59	5,114	23,473
202.60	5,114	23,524
202.61	5,114	23,576
202.62	5,114	23,627
202.63	5,114	23,678
202.64	5,114	23,729
202.65	5,114	23,780
202.66	5,114	23,831
202.67	5,114	23,882
202.68	5,114	23,934
202.69	5,114	23,985
202.70	5,114	24,036
202.71	5,114	24,087
202.72	5,114	24,138
202.73	5,114	24,189
202.74	5,114	24,240
202.75	5,114	24,292
202.76	5,114	24,343
202.77	5,114	24,394
202.78	5,114	24,445
202.79	5,114	24,496
202.80	5,114	24,547
202.81	5,114	24,598
202.82	5,114	24,649
202.83	5,114	24,701
202.84	5,114	24,752
202.85	5,114	24,803
202.86	5,114	24,854
202.87	5,114	24,905
202.88	5,114	24,956
202.89	5,114	25,007
202.90	5,114	25,059
202.91	5,114	25,110
202.92	5,114	25,161
202.93	5,114	25,212
202.94	5,114	25,263
202.95	5,114	25,314
202.96	5,114	25,365
202.97	5,114	25,417
202.98	5,114	25,468
202.99	5,114	25,519
203.00	5,114	**25,570**

Summary for Pond B-55: Basin #55

Inflow Area = 2.301 ac, 47.33% Impervious, Inflow Depth = 2.49" for Future 2 yr event
Inflow = 7.53 cfs @ 12.09 hrs, Volume= 0.478 af
Outflow = 2.35 cfs @ 12.25 hrs, Volume= 0.377 af, Atten= 69%, Lag= 9.8 min
Primary = 2.35 cfs @ 12.25 hrs, Volume= 0.377 af
Routed to Pond B-51 : Basin #51

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 193.95' @ 12.25 hrs Surf.Area= 5,233 sf Storage= 9,258 cf

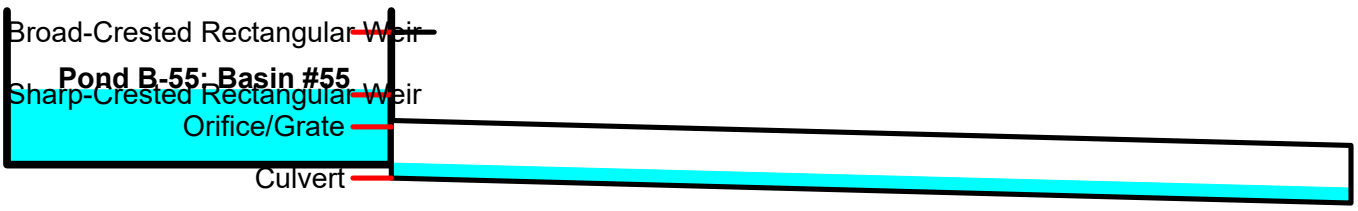
Plug-Flow detention time= 184.5 min calculated for 0.377 af (79% of inflow)
Center-of-Mass det. time= 99.5 min (881.7 - 782.2)

Volume	Invert	Avail.Storage	Storage Description
#1	192.00'	21,076 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

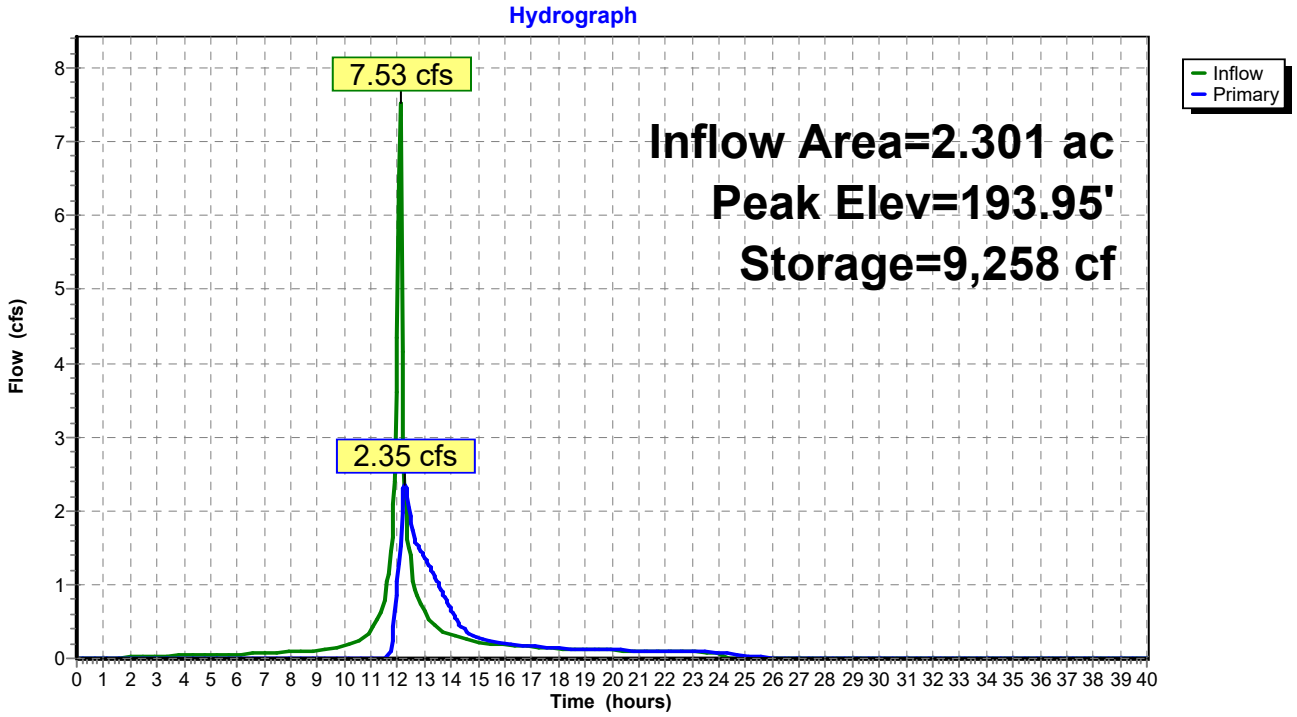
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
192.00	4,250	0	0
193.00	4,746	4,498	4,498
194.00	5,257	5,002	9,500
195.00	5,784	5,521	15,020
196.00	6,327	6,056	21,076

Device	Routing	Invert	Outlet Devices
#1	Primary	191.65'	**18.0" Round Culvert** L= 112.0' Ke= 0.500 Inlet / Outlet Invert= 191.65' / 191.00' S= 0.0058 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	192.98'	**22.0" W x 2.5" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	193.82'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	195.45'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=2.35 cfs @ 12.25 hrs HW=193.95' (Free Discharge)
- **1=Culvert** (Passes 2.35 cfs of 9.08 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 1.71 cfs @ 4.49 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 0.64 cfs @ 1.20 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-55: Basin #55



Hydrograph for Pond B-55: Basin #55

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	192.00	0.00
0.10	0.00	0	192.00	0.00
0.20	0.00	0	192.00	0.00
0.30	0.00	0	192.00	0.00
0.40	0.00	0	192.00	0.00
0.50	0.00	0	192.00	0.00
0.60	0.00	0	192.00	0.00
0.70	0.00	0	192.00	0.00
0.80	0.00	0	192.00	0.00
0.90	0.00	0	192.00	0.00
1.00	0.00	0	192.00	0.00
1.10	0.00	0	192.00	0.00
1.20	0.00	1	192.00	0.00
1.30	0.01	3	192.00	0.00
1.40	0.01	5	192.00	0.00
1.50	0.01	8	192.00	0.00
1.60	0.01	11	192.00	0.00
1.70	0.01	15	192.00	0.00
1.80	0.01	20	192.00	0.00
1.90	0.02	25	192.01	0.00
2.00	0.02	31	192.01	0.00
2.10	0.02	37	192.01	0.00
2.20	0.02	44	192.01	0.00
2.30	0.02	51	192.01	0.00
2.40	0.02	59	192.01	0.00
2.50	0.02	67	192.02	0.00
2.60	0.02	76	192.02	0.00
2.70	0.03	85	192.02	0.00
2.80	0.03	94	192.02	0.00
2.90	0.03	104	192.02	0.00
3.00	0.03	114	192.03	0.00
3.10	0.03	125	192.03	0.00
3.20	0.03	136	192.03	0.00
3.30	0.03	148	192.03	0.00
3.40	0.03	160	192.04	0.00
3.50	0.03	172	192.04	0.00
3.60	0.04	184	192.04	0.00
3.70	0.04	197	192.05	0.00
3.80	0.04	211	192.05	0.00
3.90	0.04	224	192.05	0.00
4.00	0.04	238	192.06	0.00
4.10	0.04	253	192.06	0.00
4.20	0.04	267	192.06	0.00
4.30	0.04	282	192.07	0.00
4.40	0.04	298	192.07	0.00
4.50	0.04	313	192.07	0.00
4.60	0.04	329	192.08	0.00
4.70	0.05	345	192.08	0.00
4.80	0.05	362	192.08	0.00
4.90	0.05	378	192.09	0.00
5.00	0.05	395	192.09	0.00
5.10	0.05	413	192.10	0.00

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.05	430	192.10	0.00
5.30	0.05	448	192.10	0.00
5.40	0.05	466	192.11	0.00
5.50	0.05	485	192.11	0.00
5.60	0.05	503	192.12	0.00
5.70	0.05	522	192.12	0.00
5.80	0.05	541	192.13	0.00
5.90	0.05	561	192.13	0.00
6.00	0.05	580	192.14	0.00
6.10	0.06	600	192.14	0.00
6.20	0.06	621	192.14	0.00
6.30	0.06	643	192.15	0.00
6.40	0.06	665	192.15	0.00
6.50	0.06	687	192.16	0.00
6.60	0.07	710	192.17	0.00
6.70	0.07	734	192.17	0.00
6.80	0.07	759	192.18	0.00
6.90	0.07	784	192.18	0.00
7.00	0.07	810	192.19	0.00
7.10	0.07	836	192.19	0.00
7.20	0.08	863	192.20	0.00
7.30	0.08	891	192.21	0.00
7.40	0.08	920	192.21	0.00
7.50	0.08	949	192.22	0.00
7.60	0.08	978	192.23	0.00
7.70	0.09	1,009	192.23	0.00
7.80	0.09	1,040	192.24	0.00
7.90	0.09	1,071	192.25	0.00
8.00	0.09	1,104	192.26	0.00
8.10	0.09	1,137	192.26	0.00
8.20	0.09	1,170	192.27	0.00
8.30	0.10	1,205	192.28	0.00
8.40	0.10	1,240	192.29	0.00
8.50	0.10	1,275	192.29	0.00
8.60	0.10	1,312	192.30	0.00
8.70	0.10	1,349	192.31	0.00
8.80	0.11	1,386	192.32	0.00
8.90	0.11	1,424	192.33	0.00
9.00	0.11	1,463	192.34	0.00
9.10	0.11	1,504	192.35	0.00
9.20	0.12	1,546	192.36	0.00
9.30	0.13	1,591	192.37	0.00
9.40	0.13	1,638	192.38	0.00
9.50	0.14	1,688	192.39	0.00
9.60	0.15	1,739	192.40	0.00
9.70	0.15	1,793	192.41	0.00
9.80	0.16	1,849	192.42	0.00
9.90	0.17	1,908	192.44	0.00
10.00	0.17	1,969	192.45	0.00
10.10	0.18	2,032	192.47	0.00
10.20	0.19	2,098	192.48	0.00
10.30	0.20	2,167	192.50	0.00

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.21	2,240	192.51	0.00
10.50	0.22	2,316	192.53	0.00
10.60	0.24	2,399	192.55	0.00
10.70	0.27	2,492	192.57	0.00
10.80	0.30	2,595	192.59	0.00
10.90	0.33	2,710	192.62	0.00
11.00	0.37	2,836	192.64	0.00
11.10	0.42	2,979	192.67	0.00
11.20	0.48	3,142	192.71	0.00
11.30	0.54	3,328	192.75	0.00
11.40	0.61	3,536	192.80	0.00
11.50	0.67	3,767	192.84	0.00
11.60	1.05	4,086	192.91	0.00
11.70	1.16	4,482	193.00	0.01
11.80	1.63	4,955	193.10	0.23
11.90	2.39	5,537	193.22	0.65
12.00	4.34	6,489	193.41	1.05
12.10	**7.36**	8,255	193.76	1.51
12.20	2.83	**9,223**	**193.95**	**2.30**
12.30	2.00	**9,218**	**193.95**	**2.30**
12.40	1.48	9,041	193.91	2.04
12.50	1.39	8,863	193.88	1.82
12.60	0.93	8,641	193.84	1.62
12.70	0.86	8,393	193.79	1.54
12.80	0.79	8,143	193.74	1.49
12.90	0.72	7,887	193.69	1.43
13.00	0.64	7,625	193.64	1.37
13.10	0.57	7,360	193.58	1.30
13.20	0.53	7,101	193.53	1.23
13.30	0.49	6,852	193.48	1.16
13.40	0.45	6,614	193.44	1.09
13.50	0.41	6,389	193.39	1.01
13.60	0.37	6,175	193.35	0.94
13.70	0.35	5,981	193.31	0.86
13.80	0.34	5,811	193.27	0.79
13.90	0.33	5,662	193.24	0.72
14.00	0.32	5,536	193.22	0.64
14.10	0.31	5,430	193.19	0.58
14.20	0.30	5,344	193.18	0.51
14.30	0.29	5,276	193.16	0.46
14.40	0.28	5,221	193.15	0.42
14.50	0.27	5,176	193.14	0.39
14.60	0.26	5,138	193.13	0.36
14.70	0.25	5,105	193.13	0.33
14.80	0.24	5,076	193.12	0.31
14.90	0.23	5,051	193.12	0.30
15.00	0.22	5,027	193.11	0.28
15.10	0.21	5,004	193.11	0.27
15.20	0.20	4,985	193.10	0.25
15.30	0.20	4,968	193.10	0.24
15.40	0.20	4,954	193.10	0.23
15.50	0.19	4,942	193.09	0.23

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.19	4,931	193.09	0.22
15.70	0.19	4,922	193.09	0.21
15.80	0.19	4,914	193.09	0.21
15.90	0.18	4,906	193.09	0.20
16.00	0.18	4,900	193.08	0.20
16.10	0.18	4,893	193.08	0.19
16.20	0.18	4,887	193.08	0.19
16.30	0.17	4,882	193.08	0.19
16.40	0.17	4,876	193.08	0.18
16.50	0.17	4,871	193.08	0.18
16.60	0.16	4,865	193.08	0.18
16.70	0.16	4,860	193.08	0.18
16.80	0.16	4,854	193.07	0.17
16.90	0.16	4,849	193.07	0.17
17.00	0.15	4,843	193.07	0.17
17.10	0.15	4,838	193.07	0.16
17.20	0.15	4,832	193.07	0.16
17.30	0.14	4,827	193.07	0.16
17.40	0.14	4,821	193.07	0.16
17.50	0.14	4,816	193.07	0.15
17.60	0.14	4,810	193.07	0.15
17.70	0.13	4,805	193.06	0.15
17.80	0.13	4,799	193.06	0.14
17.90	0.13	4,794	193.06	0.14
18.00	0.12	4,788	193.06	0.14
18.10	0.12	4,783	193.06	0.14
18.20	0.12	4,777	193.06	0.13
18.30	0.12	4,773	193.06	0.13
18.40	0.12	4,769	193.06	0.13
18.50	0.12	4,765	193.06	0.13
18.60	0.12	4,762	193.06	0.13
18.70	0.12	4,760	193.05	0.12
18.80	0.12	4,757	193.05	0.12
18.90	0.11	4,755	193.05	0.12
19.00	0.11	4,752	193.05	0.12
19.10	0.11	4,750	193.05	0.12
19.20	0.11	4,748	193.05	0.12
19.30	0.11	4,747	193.05	0.12
19.40	0.11	4,745	193.05	0.12
19.50	0.11	4,743	193.05	0.12
19.60	0.11	4,741	193.05	0.11
19.70	0.11	4,740	193.05	0.11
19.80	0.11	4,738	193.05	0.11
19.90	0.11	4,737	193.05	0.11
20.00	0.11	4,735	193.05	0.11
20.10	0.11	4,734	193.05	0.11
20.20	0.11	4,732	193.05	0.11
20.30	0.10	4,731	193.05	0.11
20.40	0.10	4,730	193.05	0.11
20.50	0.10	4,728	193.05	0.11
20.60	0.10	4,727	193.05	0.11
20.70	0.10	4,725	193.05	0.11

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.10	4,724	193.05	0.11
20.90	0.10	4,723	193.05	0.10
21.00	0.10	4,721	193.05	0.10
21.10	0.10	4,720	193.05	0.10
21.20	0.10	4,718	193.05	0.10
21.30	0.10	4,717	193.05	0.10
21.40	0.10	4,716	193.05	0.10
21.50	0.10	4,714	193.05	0.10
21.60	0.10	4,713	193.05	0.10
21.70	0.09	4,711	193.04	0.10
21.80	0.09	4,710	193.04	0.10
21.90	0.09	4,709	193.04	0.10
22.00	0.09	4,707	193.04	0.10
22.10	0.09	4,706	193.04	0.10
22.20	0.09	4,704	193.04	0.09
22.30	0.09	4,703	193.04	0.09
22.40	0.09	4,702	193.04	0.09
22.50	0.09	4,700	193.04	0.09
22.60	0.09	4,699	193.04	0.09
22.70	0.09	4,697	193.04	0.09
22.80	0.09	4,696	193.04	0.09
22.90	0.09	4,695	193.04	0.09
23.00	0.09	4,693	193.04	0.09
23.10	0.08	4,692	193.04	0.09
23.20	0.08	4,690	193.04	0.09
23.30	0.08	4,689	193.04	0.09
23.40	0.08	4,688	193.04	0.09
23.50	0.08	4,686	193.04	0.09
23.60	0.08	4,684	193.04	0.09
23.70	0.08	4,683	193.04	0.08
23.80	0.08	4,681	193.04	0.08
23.90	0.08	4,680	193.04	0.08
24.00	0.09	4,682	193.04	0.08
24.10	0.00	4,665	193.04	0.08
24.20	0.00	4,639	193.03	0.07
24.30	0.00	4,616	193.02	0.06
24.40	0.00	4,596	193.02	0.05
24.50	0.00	4,578	193.02	0.05
24.60	0.00	4,563	193.01	0.04
24.70	0.00	4,549	193.01	0.04
24.80	0.00	4,537	193.01	0.03
24.90	0.00	4,527	193.01	0.03
25.00	0.00	4,517	193.00	0.02
25.10	0.00	4,509	193.00	0.02
25.20	0.00	4,502	193.00	0.02
25.30	0.00	4,496	193.00	0.02
25.40	0.00	4,490	193.00	0.02
25.50	0.00	4,485	193.00	0.01
25.60	0.00	4,480	193.00	0.01
25.70	0.00	4,475	193.00	0.01
25.80	0.00	4,471	192.99	0.01
25.90	0.00	4,467	192.99	0.01

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	4,463	192.99	0.01
26.10	0.00	4,459	192.99	0.01
26.20	0.00	4,456	192.99	0.01
26.30	0.00	4,453	192.99	0.01
26.40	0.00	4,450	192.99	0.01
26.50	0.00	4,447	192.99	0.01
26.60	0.00	4,444	192.99	0.01
26.70	0.00	4,442	192.99	0.01
26.80	0.00	4,439	192.99	0.01
26.90	0.00	4,437	192.99	0.01
27.00	0.00	4,435	192.99	0.01
27.10	0.00	4,433	192.99	0.01
27.20	0.00	4,431	192.99	0.00
27.30	0.00	4,429	192.99	0.00
27.40	0.00	4,428	192.99	0.00
27.50	0.00	4,426	192.98	0.00
27.60	0.00	4,425	192.98	0.00
27.70	0.00	4,424	192.98	0.00
27.80	0.00	4,422	192.98	0.00
27.90	0.00	4,421	192.98	0.00
28.00	0.00	4,420	192.98	0.00
28.10	0.00	4,419	192.98	0.00
28.20	0.00	4,418	192.98	0.00
28.30	0.00	4,417	192.98	0.00
28.40	0.00	4,416	192.98	0.00
28.50	0.00	4,415	192.98	0.00
28.60	0.00	4,415	192.98	0.00
28.70	0.00	4,414	192.98	0.00
28.80	0.00	4,413	192.98	0.00
28.90	0.00	4,413	192.98	0.00
29.00	0.00	4,412	192.98	0.00
29.10	0.00	4,412	192.98	0.00
29.20	0.00	4,411	192.98	0.00
29.30	0.00	4,411	192.98	0.00
29.40	0.00	4,410	192.98	0.00
29.50	0.00	4,410	192.98	0.00
29.60	0.00	4,409	192.98	0.00
29.70	0.00	4,409	192.98	0.00
29.80	0.00	4,409	192.98	0.00
29.90	0.00	4,408	192.98	0.00
30.00	0.00	4,408	192.98	0.00
30.10	0.00	4,408	192.98	0.00
30.20	0.00	4,407	192.98	0.00
30.30	0.00	4,407	192.98	0.00
30.40	0.00	4,407	192.98	0.00
30.50	0.00	4,407	192.98	0.00
30.60	0.00	4,406	192.98	0.00
30.70	0.00	4,406	192.98	0.00
30.80	0.00	4,406	192.98	0.00
30.90	0.00	4,406	192.98	0.00
31.00	0.00	4,406	192.98	0.00
31.10	0.00	4,406	192.98	0.00

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	4,405	192.98	0.00
31.30	0.00	4,405	192.98	0.00
31.40	0.00	4,405	192.98	0.00
31.50	0.00	4,405	192.98	0.00
31.60	0.00	4,405	192.98	0.00
31.70	0.00	4,405	192.98	0.00
31.80	0.00	4,405	192.98	0.00
31.90	0.00	4,405	192.98	0.00
32.00	0.00	4,405	192.98	0.00
32.10	0.00	4,404	192.98	0.00
32.20	0.00	4,404	192.98	0.00
32.30	0.00	4,404	192.98	0.00
32.40	0.00	4,404	192.98	0.00
32.50	0.00	4,404	192.98	0.00
32.60	0.00	4,404	192.98	0.00
32.70	0.00	4,404	192.98	0.00
32.80	0.00	4,404	192.98	0.00
32.90	0.00	4,404	192.98	0.00
33.00	0.00	4,404	192.98	0.00
33.10	0.00	4,404	192.98	0.00
33.20	0.00	4,404	192.98	0.00
33.30	0.00	4,404	192.98	0.00
33.40	0.00	4,404	192.98	0.00
33.50	0.00	4,404	192.98	0.00
33.60	0.00	4,404	192.98	0.00
33.70	0.00	4,404	192.98	0.00
33.80	0.00	4,404	192.98	0.00
33.90	0.00	4,404	192.98	0.00
34.00	0.00	4,404	192.98	0.00
34.10	0.00	4,404	192.98	0.00
34.20	0.00	4,404	192.98	0.00
34.30	0.00	4,403	192.98	0.00
34.40	0.00	4,403	192.98	0.00
34.50	0.00	4,403	192.98	0.00
34.60	0.00	4,403	192.98	0.00
34.70	0.00	4,403	192.98	0.00
34.80	0.00	4,403	192.98	0.00
34.90	0.00	4,403	192.98	0.00
35.00	0.00	4,403	192.98	0.00
35.10	0.00	4,403	192.98	0.00
35.20	0.00	4,403	192.98	0.00
35.30	0.00	4,403	192.98	0.00
35.40	0.00	4,403	192.98	0.00
35.50	0.00	4,403	192.98	0.00
35.60	0.00	4,403	192.98	0.00
35.70	0.00	4,403	192.98	0.00
35.80	0.00	4,403	192.98	0.00
35.90	0.00	4,403	192.98	0.00
36.00	0.00	4,403	192.98	0.00
36.10	0.00	4,403	192.98	0.00
36.20	0.00	4,403	192.98	0.00
36.30	0.00	4,403	192.98	0.00

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	4,403	192.98	0.00
36.50	0.00	4,403	192.98	0.00
36.60	0.00	4,403	192.98	0.00
36.70	0.00	4,403	192.98	0.00
36.80	0.00	4,403	192.98	0.00
36.90	0.00	4,403	192.98	0.00
37.00	0.00	4,403	192.98	0.00
37.10	0.00	4,403	192.98	0.00
37.20	0.00	4,403	192.98	0.00
37.30	0.00	4,403	192.98	0.00
37.40	0.00	4,403	192.98	0.00
37.50	0.00	4,403	192.98	0.00
37.60	0.00	4,403	192.98	0.00
37.70	0.00	4,403	192.98	0.00
37.80	0.00	4,403	192.98	0.00
37.90	0.00	4,403	192.98	0.00
38.00	0.00	4,403	192.98	0.00
38.10	0.00	4,403	192.98	0.00
38.20	0.00	4,403	192.98	0.00
38.30	0.00	4,403	192.98	0.00
38.40	0.00	4,403	192.98	0.00
38.50	0.00	4,403	192.98	0.00
38.60	0.00	4,403	192.98	0.00
38.70	0.00	4,403	192.98	0.00
38.80	0.00	4,403	192.98	0.00
38.90	0.00	4,403	192.98	0.00
39.00	0.00	4,403	192.98	0.00
39.10	0.00	4,403	192.98	0.00
39.20	0.00	4,403	192.98	0.00
39.30	0.00	4,403	192.98	0.00
39.40	0.00	4,403	192.98	0.00
39.50	0.00	4,403	192.98	0.00
39.60	0.00	4,403	192.98	0.00
39.70	0.00	4,403	192.98	0.00
39.80	0.00	4,403	192.98	0.00
39.90	0.00	4,403	192.98	0.00
40.00	0.00	4,403	192.98	0.00

Stage-Discharge for Pond B-55: Basin #55

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
192.00	0.00	192.52	0.00	193.04	0.09	193.56	1.27
192.01	0.00	192.53	0.00	193.05	0.11	193.57	1.28
192.02	0.00	192.54	0.00	193.06	0.13	193.58	1.29
192.03	0.00	192.55	0.00	193.07	0.16	193.59	1.31
192.04	0.00	192.56	0.00	193.08	0.19	193.60	1.32
192.05	0.00	192.57	0.00	193.09	0.21	193.61	1.33
192.06	0.00	192.58	0.00	193.10	0.24	193.62	1.34
192.07	0.00	192.59	0.00	193.11	0.28	193.63	1.36
192.08	0.00	192.60	0.00	193.12	0.31	193.64	1.37
192.09	0.00	192.61	0.00	193.13	0.34	193.65	1.38
192.10	0.00	192.62	0.00	193.14	0.38	193.66	1.39
192.11	0.00	192.63	0.00	193.15	0.41	193.67	1.41
192.12	0.00	192.64	0.00	193.16	0.45	193.68	1.42
192.13	0.00	192.65	0.00	193.17	0.49	193.69	1.43
192.14	0.00	192.66	0.00	193.18	0.53	193.70	1.44
192.15	0.00	192.67	0.00	193.19	0.57	193.71	1.45
192.16	0.00	192.68	0.00	193.20	0.60	193.72	1.46
192.17	0.00	192.69	0.00	193.21	0.63	193.73	1.48
192.18	0.00	192.70	0.00	193.22	0.66	193.74	1.49
192.19	0.00	192.71	0.00	193.23	0.69	193.75	1.50
192.20	0.00	192.72	0.00	193.24	0.71	193.76	1.51
192.21	0.00	192.73	0.00	193.25	0.74	193.77	1.52
192.22	0.00	192.74	0.00	193.26	0.76	193.78	1.53
192.23	0.00	192.75	0.00	193.27	0.78	193.79	1.54
192.24	0.00	192.76	0.00	193.28	0.80	193.80	1.55
192.25	0.00	192.77	0.00	193.29	0.82	193.81	1.57
192.26	0.00	192.78	0.00	193.30	0.85	193.82	1.58
192.27	0.00	192.79	0.00	193.31	0.87	193.83	1.60
192.28	0.00	192.80	0.00	193.32	0.89	193.84	1.63
192.29	0.00	192.81	0.00	193.33	0.90	193.85	1.68
192.30	0.00	192.82	0.00	193.34	0.92	193.86	1.72
192.31	0.00	192.83	0.00	193.35	0.94	193.87	1.77
192.32	0.00	192.84	0.00	193.36	0.96	193.88	1.83
192.33	0.00	192.85	0.00	193.37	0.98	193.89	1.89
192.34	0.00	192.86	0.00	193.38	0.99	193.90	1.95
192.35	0.00	192.87	0.00	193.39	1.01	193.91	2.02
192.36	0.00	192.88	0.00	193.40	1.03	193.92	2.09
192.37	0.00	192.89	0.00	193.41	1.05	193.93	2.16
192.38	0.00	192.90	0.00	193.42	1.06	193.94	2.24
192.39	0.00	192.91	0.00	193.43	1.08	193.95	2.32
192.40	0.00	192.92	0.00	193.44	1.09	193.96	2.40
192.41	0.00	192.93	0.00	193.45	1.11	193.97	2.48
192.42	0.00	192.94	0.00	193.46	1.12	193.98	2.57
192.43	0.00	192.95	0.00	193.47	1.14	193.99	2.66
192.44	0.00	192.96	0.00	193.48	1.15	194.00	2.75
192.45	0.00	192.97	0.00	193.49	1.17	194.01	2.84
192.46	0.00	192.98	0.00	193.50	1.18	194.02	2.94
192.47	0.00	192.99	0.01	193.51	1.20	194.03	3.03
192.48	0.00	193.00	0.02	193.52	1.21	194.04	3.13
192.49	0.00	193.01	0.03	193.53	1.23	194.05	3.23
192.50	0.00	193.02	0.05	193.54	1.24	194.06	3.34
192.51	0.00	193.03	0.07	193.55	1.25	194.07	3.44

Stage-Discharge for Pond B-55: Basin #55 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
194.08	3.55	194.60	10.91	195.12	12.19	195.64	23.12
194.09	3.65	194.61	10.94	195.13	12.21	195.65	23.93
194.10	3.76	194.62	10.96	195.14	12.23	195.66	24.79
194.11	3.87	194.63	10.99	195.15	12.26	195.67	25.69
194.12	3.99	194.64	11.01	195.16	12.28	195.68	26.61
194.13	4.10	194.65	11.04	195.17	12.30	195.69	27.55
194.14	4.22	194.66	11.06	195.18	12.32	195.70	28.52
194.15	4.34	194.67	11.09	195.19	12.35	195.71	29.52
194.16	4.46	194.68	11.12	195.20	12.37	195.72	30.53
194.17	4.58	194.69	11.14	195.21	12.39	195.73	31.58
194.18	4.70	194.70	11.17	195.22	12.42	195.74	32.65
194.19	4.82	194.71	11.19	195.23	12.44	195.75	33.74
194.20	4.95	194.72	11.22	195.24	12.46	195.76	34.86
194.21	5.07	194.73	11.24	195.25	12.48	195.77	36.00
194.22	5.20	194.74	11.27	195.26	12.51	195.78	37.17
194.23	5.33	194.75	11.29	195.27	12.53	195.79	38.36
194.24	5.46	194.76	11.32	195.28	12.55	195.80	39.57
194.25	5.59	194.77	11.34	195.29	12.58	195.81	40.81
194.26	5.73	194.78	11.37	195.30	12.60	195.82	42.08
194.27	5.86	194.79	11.39	195.31	12.62	195.83	43.36
194.28	6.00	194.80	11.42	195.32	12.64	195.84	44.67
194.29	6.13	194.81	11.44	195.33	12.66	195.85	46.01
194.30	6.27	194.82	11.47	195.34	12.69	195.86	47.40
194.31	6.41	194.83	11.49	195.35	12.71	195.87	48.81
194.32	6.55	194.84	11.52	195.36	12.73	195.88	50.25
194.33	6.69	194.85	11.54	195.37	12.75	195.89	51.71
194.34	6.84	194.86	11.57	195.38	12.78	195.90	53.20
194.35	6.98	194.87	11.59	195.39	12.80	195.91	54.72
194.36	7.13	194.88	11.61	195.40	12.82	195.92	56.26
194.37	7.27	194.89	11.64	195.41	12.84	195.93	57.83
194.38	7.42	194.90	11.66	195.42	12.86	195.94	59.43
194.39	7.57	194.91	11.69	195.43	12.89	195.95	61.05
194.40	7.72	194.92	11.71	195.44	12.91	195.96	62.70
194.41	7.87	194.93	11.74	195.45	12.93	195.97	64.37
194.42	8.02	194.94	11.76	195.46	13.07	195.98	66.07
194.43	8.17	194.95	11.78	195.47	13.31	195.99	67.80
194.44	8.33	194.96	11.81	195.48	13.61	196.00	**69.56**
194.45	8.48	194.97	11.83	195.49	13.96		
194.46	8.64	194.98	11.86	195.50	14.35		
194.47	8.80	194.99	11.88	195.51	14.79		
194.48	8.95	195.00	11.90	195.52	15.26		
194.49	9.11	195.01	11.93	195.53	15.76		
194.50	9.27	195.02	11.95	195.54	16.30		
194.51	9.43	195.03	11.97	195.55	16.87		
194.52	9.60	195.04	12.00	195.56	17.46		
194.53	9.76	195.05	12.02	195.57	18.08		
194.54	9.92	195.06	12.05	195.58	18.73		
194.55	10.09	195.07	12.07	195.59	19.40		
194.56	10.25	195.08	12.09	195.60	20.10		
194.57	10.42	195.09	12.12	195.61	20.82		
194.58	10.59	195.10	12.14	195.62	21.57		
194.59	10.75	195.11	12.16	195.63	22.33		

Stage-Area-Storage for Pond B-55: Basin #55

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
192.00	4,250	0	192.52	4,508	2,277
192.01	4,255	43	192.53	4,513	2,322
192.02	4,260	85	192.54	4,518	2,367
192.03	4,265	128	192.55	4,523	2,413
192.04	4,270	170	192.56	4,528	2,458
192.05	4,275	213	192.57	4,533	2,503
192.06	4,280	256	192.58	4,538	2,548
192.07	4,285	299	192.59	4,543	2,594
192.08	4,290	342	192.60	4,548	2,639
192.09	4,295	385	192.61	4,553	2,685
192.10	4,300	427	192.62	4,558	2,730
192.11	4,305	471	192.63	4,562	2,776
192.12	4,310	514	192.64	4,567	2,822
192.13	4,314	557	192.65	4,572	2,867
192.14	4,319	600	192.66	4,577	2,913
192.15	4,324	643	192.67	4,582	2,959
192.16	4,329	686	192.68	4,587	3,005
192.17	4,334	730	192.69	4,592	3,051
192.18	4,339	773	192.70	4,597	3,097
192.19	4,344	816	192.71	4,602	3,143
192.20	4,349	860	192.72	4,607	3,189
192.21	4,354	903	192.73	4,612	3,235
192.22	4,359	947	192.74	4,617	3,281
192.23	4,364	991	192.75	4,622	3,327
192.24	4,369	1,034	192.76	4,627	3,373
192.25	4,374	1,078	192.77	4,632	3,420
192.26	4,379	1,122	192.78	4,637	3,466
192.27	4,384	1,166	192.79	4,642	3,512
192.28	4,389	1,209	192.80	4,647	3,559
192.29	4,394	1,253	192.81	4,652	3,605
192.30	4,399	1,297	192.82	4,657	3,652
192.31	4,404	1,341	192.83	4,662	3,698
192.32	4,409	1,385	192.84	4,667	3,745
192.33	4,414	1,430	192.85	4,672	3,792
192.34	4,419	1,474	192.86	4,677	3,838
192.35	4,424	1,518	192.87	4,682	3,885
192.36	4,429	1,562	192.88	4,686	3,932
192.37	4,434	1,606	192.89	4,691	3,979
192.38	4,438	1,651	192.90	4,696	4,026
192.39	4,443	1,695	192.91	4,701	4,073
192.40	4,448	1,740	192.92	4,706	4,120
192.41	4,453	1,784	192.93	4,711	4,167
192.42	4,458	1,829	192.94	4,716	4,214
192.43	4,463	1,873	192.95	4,721	4,261
192.44	4,468	1,918	192.96	4,726	4,309
192.45	4,473	1,963	192.97	4,731	4,356
192.46	4,478	2,007	192.98	4,736	4,403
192.47	4,483	2,052	192.99	4,741	4,451
192.48	4,488	2,097	193.00	4,746	4,498
192.49	4,493	2,142	193.01	4,751	4,545
192.50	4,498	2,187	193.02	4,756	4,593
192.51	4,503	2,232	193.03	4,761	4,641

Stage-Area-Storage for Pond B-55: Basin #55 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
193.04	4,766	4,688	193.56	5,032	7,236
193.05	4,772	4,736	193.57	5,037	7,286
193.06	4,777	4,784	193.58	5,042	7,337
193.07	4,782	4,831	193.59	5,047	7,387
193.08	4,787	4,879	193.60	5,053	7,438
193.09	4,792	4,927	193.61	5,058	7,488
193.10	4,797	4,975	193.62	5,063	7,539
193.11	4,802	5,023	193.63	5,068	7,589
193.12	4,807	5,071	193.64	5,073	7,640
193.13	4,812	5,119	193.65	5,078	7,691
193.14	4,818	5,167	193.66	5,083	7,742
193.15	4,823	5,216	193.67	5,088	7,793
193.16	4,828	5,264	193.68	5,093	7,843
193.17	4,833	5,312	193.69	5,099	7,894
193.18	4,838	5,361	193.70	5,104	7,945
193.19	4,843	5,409	193.71	5,109	7,996
193.20	4,848	5,457	193.72	5,114	8,048
193.21	4,853	5,506	193.73	5,119	8,099
193.22	4,858	5,554	193.74	5,124	8,150
193.23	4,864	5,603	193.75	5,129	8,201
193.24	4,869	5,652	193.76	5,134	8,253
193.25	4,874	5,700	193.77	5,139	8,304
193.26	4,879	5,749	193.78	5,145	8,355
193.27	4,884	5,798	193.79	5,150	8,407
193.28	4,889	5,847	193.80	5,155	8,458
193.29	4,894	5,896	193.81	5,160	8,510
193.30	4,899	5,945	193.82	5,165	8,562
193.31	4,904	5,994	193.83	5,170	8,613
193.32	4,910	6,043	193.84	5,175	8,665
193.33	4,915	6,092	193.85	5,180	8,717
193.34	4,920	6,141	193.86	5,185	8,769
193.35	4,925	6,190	193.87	5,191	8,820
193.36	4,930	6,240	193.88	5,196	8,872
193.37	4,935	6,289	193.89	5,201	8,924
193.38	4,940	6,338	193.90	5,206	8,976
193.39	4,945	6,388	193.91	5,211	9,028
193.40	4,950	6,437	193.92	5,216	9,081
193.41	4,956	6,487	193.93	5,221	9,133
193.42	4,961	6,536	193.94	5,226	9,185
193.43	4,966	6,586	193.95	5,231	9,237
193.44	4,971	6,636	193.96	5,237	9,290
193.45	4,976	6,685	193.97	5,242	9,342
193.46	4,981	6,735	193.98	5,247	9,394
193.47	4,986	6,785	193.99	5,252	9,447
193.48	4,991	6,835	194.00	5,257	9,500
193.49	4,996	6,885	194.01	5,262	9,552
193.50	5,002	6,935	194.02	5,268	9,605
193.51	5,007	6,985	194.03	5,273	9,657
193.52	5,012	7,035	194.04	5,278	9,710
193.53	5,017	7,085	194.05	5,283	9,763
193.54	5,022	7,135	194.06	5,289	9,816
193.55	5,027	7,186	194.07	5,294	9,869

Stage-Area-Storage for Pond B-55: Basin #55 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
194.08	5,299	9,922	194.60	5,573	12,749
194.09	5,304	9,975	194.61	5,578	12,804
194.10	5,310	10,028	194.62	5,584	12,860
194.11	5,315	10,081	194.63	5,589	12,916
194.12	5,320	10,134	194.64	5,594	12,972
194.13	5,326	10,187	194.65	5,600	13,028
194.14	5,331	10,241	194.66	5,605	13,084
194.15	5,336	10,294	194.67	5,610	13,140
194.16	5,341	10,347	194.68	5,615	13,196
194.17	5,347	10,401	194.69	5,621	13,252
194.18	5,352	10,454	194.70	5,626	13,309
194.19	5,357	10,508	194.71	5,631	13,365
194.20	5,362	10,561	194.72	5,636	13,421
194.21	5,368	10,615	194.73	5,642	13,478
194.22	5,373	10,669	194.74	5,647	13,534
194.23	5,378	10,723	194.75	5,652	13,590
194.24	5,383	10,776	194.76	5,658	13,647
194.25	5,389	10,830	194.77	5,663	13,704
194.26	5,394	10,884	194.78	5,668	13,760
194.27	5,399	10,938	194.79	5,673	13,817
194.28	5,405	10,992	194.80	5,679	13,874
194.29	5,410	11,046	194.81	5,684	13,931
194.30	5,415	11,100	194.82	5,689	13,987
194.31	5,420	11,154	194.83	5,694	14,044
194.32	5,426	11,209	194.84	5,700	14,101
194.33	5,431	11,263	194.85	5,705	14,158
194.34	5,436	11,317	194.86	5,710	14,215
194.35	5,441	11,372	194.87	5,715	14,273
194.36	5,447	11,426	194.88	5,721	14,330
194.37	5,452	11,481	194.89	5,726	14,387
194.38	5,457	11,535	194.90	5,731	14,444
194.39	5,463	11,590	194.91	5,737	14,502
194.40	5,468	11,644	194.92	5,742	14,559
194.41	5,473	11,699	194.93	5,747	14,616
194.42	5,478	11,754	194.94	5,752	14,674
194.43	5,484	11,809	194.95	5,758	14,731
194.44	5,489	11,864	194.96	5,763	14,789
194.45	5,494	11,919	194.97	5,768	14,847
194.46	5,499	11,973	194.98	5,773	14,904
194.47	5,505	12,028	194.99	5,779	14,962
194.48	5,510	12,084	195.00	5,784	15,020
194.49	5,515	12,139	195.01	5,789	15,078
194.50	5,521	12,194	195.02	5,795	15,136
194.51	5,526	12,249	195.03	5,800	15,194
194.52	5,531	12,304	195.04	5,806	15,252
194.53	5,536	12,360	195.05	5,811	15,310
194.54	5,542	12,415	195.06	5,817	15,368
194.55	5,547	12,471	195.07	5,822	15,426
194.56	5,552	12,526	195.08	5,827	15,484
194.57	5,557	12,582	195.09	5,833	15,543
194.58	5,563	12,637	195.10	5,838	15,601
194.59	5,568	12,693	195.11	5,844	15,660

Stage-Area-Storage for Pond B-55: Basin #55 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
195.12	5,849	15,718
195.13	5,855	15,777
195.14	5,860	15,835
195.15	5,865	15,894
195.16	5,871	15,952
195.17	5,876	16,011
195.18	5,882	16,070
195.19	5,887	16,129
195.20	5,893	16,188
195.21	5,898	16,247
195.22	5,903	16,306
195.23	5,909	16,365
195.24	5,914	16,424
195.25	5,920	16,483
195.26	5,925	16,542
195.27	5,931	16,601
195.28	5,936	16,661
195.29	5,941	16,720
195.30	5,947	16,780
195.31	5,952	16,839
195.32	5,958	16,899
195.33	5,963	16,958
195.34	5,969	17,018
195.35	5,974	17,078
195.36	5,979	17,137
195.37	5,985	17,197
195.38	5,990	17,257
195.39	5,996	17,317
195.40	6,001	17,377
195.41	6,007	17,437
195.42	6,012	17,497
195.43	6,017	17,557
195.44	6,023	17,618
195.45	6,028	17,678
195.46	6,034	17,738
195.47	6,039	17,798
195.48	6,045	17,859
195.49	6,050	17,919
195.50	6,056	17,980
195.51	6,061	18,040
195.52	6,066	18,101
195.53	6,072	18,162
195.54	6,077	18,223
195.55	6,083	18,283
195.56	6,088	18,344
195.57	6,094	18,405
195.58	6,099	18,466
195.59	6,104	18,527
195.60	6,110	18,588
195.61	6,115	18,649
195.62	6,121	18,710
195.63	6,126	18,772
195.64	6,132	18,833
195.65	6,137	18,894
195.66	6,142	18,956
195.67	6,148	19,017
195.68	6,153	19,079
195.69	6,159	19,140
195.70	6,164	19,202
195.71	6,170	19,264
195.72	6,175	19,325
195.73	6,180	19,387
195.74	6,186	19,449
195.75	6,191	19,511
195.76	6,197	19,573
195.77	6,202	19,635
195.78	6,208	19,697
195.79	6,213	19,759
195.80	6,218	19,821
195.81	6,224	19,883
195.82	6,229	19,945
195.83	6,235	20,008
195.84	6,240	20,070
195.85	6,246	20,133
195.86	6,251	20,195
195.87	6,256	20,258
195.88	6,262	20,320
195.89	6,267	20,383
195.90	6,273	20,446
195.91	6,278	20,508
195.92	6,284	20,571
195.93	6,289	20,634
195.94	6,294	20,697
195.95	6,300	20,760
195.96	6,305	20,823
195.97	6,311	20,886
195.98	6,316	20,949
195.99	6,322	21,012
196.00	**6,327**	**21,076**

Summary for Pond B-56: Basin #56

Inflow Area = 1.512 ac, 31.08% Impervious, Inflow Depth = 2.15" for Future 2 yr event
Inflow = 4.40 cfs @ 12.09 hrs, Volume= 0.271 af
Outflow = 0.16 cfs @ 14.60 hrs, Volume= 0.215 af, Atten= 96%, Lag= 150.9 min
Primary = 0.16 cfs @ 14.60 hrs, Volume= 0.215 af
Routed to Pond B-51 : Basin #51

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 193.44' @ 14.60 hrs Surf.Area= 5,704 sf Storage= 7,717 cf

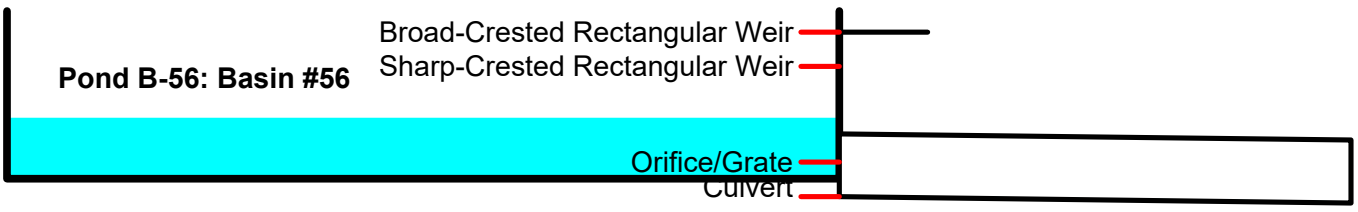
Plug-Flow detention time= 579.2 min calculated for 0.215 af (80% of inflow)
Center-of-Mass det. time= 493.8 min (1,292.4 - 798.6)

Volume	Invert	Avail.Storage	Storage Description
#1	192.00'	23,952 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

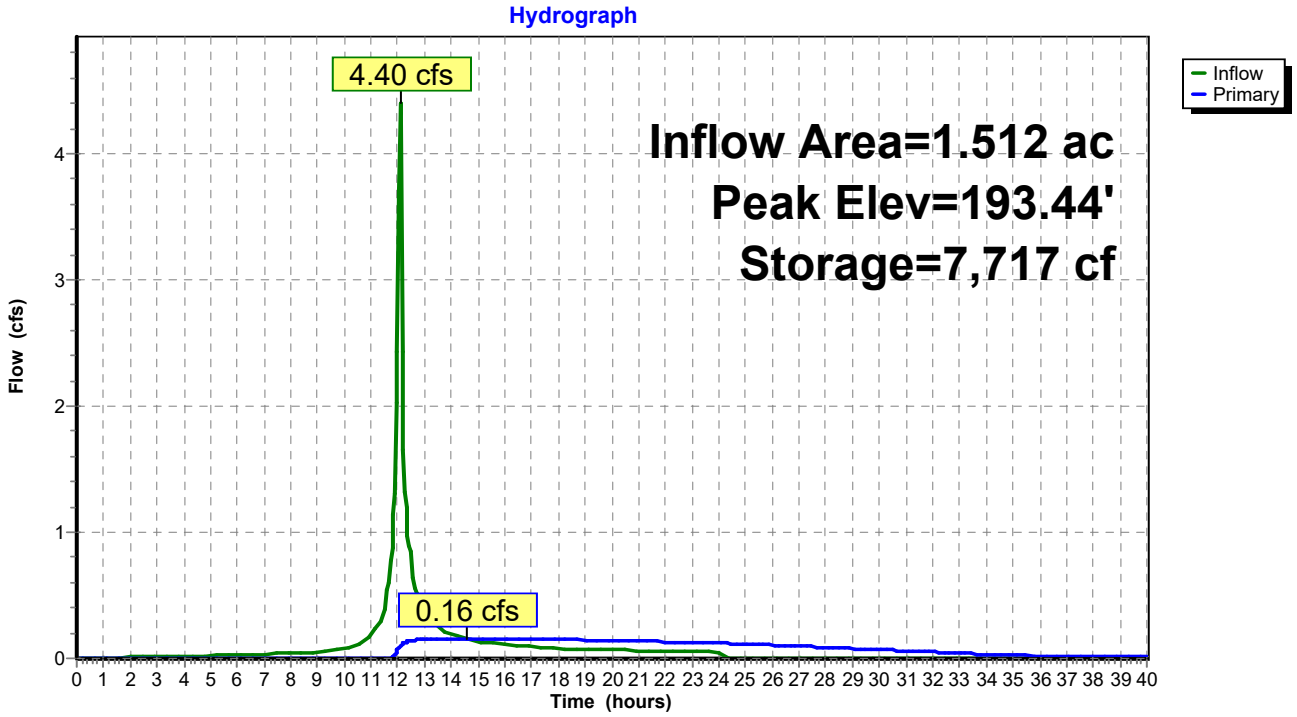
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
192.00	5,021	0	0
193.00	5,490	5,256	5,256
194.00	5,976	5,733	10,989
195.00	6,478	6,227	17,216
196.00	6,995	6,737	23,952

Device	Routing	Invert	Outlet Devices
#1	Primary	191.57'	**18.0" Round Culvert** L= 29.0' Ke= 0.500 Inlet / Outlet Invert= 191.57' / 191.42' S= 0.0052 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	192.40'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	194.68'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	195.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.16 cfs @ 14.60 hrs HW=193.44' (Free Discharge)
- **1=Culvert** (Passes 0.16 cfs of 7.79 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.16 cfs @ 4.66 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-56: Basin #56



Hydrograph for Pond B-56: Basin #56

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	192.00	0.00
0.10	0.00	0	192.00	0.00
0.20	0.00	0	192.00	0.00
0.30	0.00	0	192.00	0.00
0.40	0.00	0	192.00	0.00
0.50	0.00	0	192.00	0.00
0.60	0.00	0	192.00	0.00
0.70	0.00	0	192.00	0.00
0.80	0.00	0	192.00	0.00
0.90	0.00	0	192.00	0.00
1.00	0.00	0	192.00	0.00
1.10	0.00	0	192.00	0.00
1.20	0.00	1	192.00	0.00
1.30	0.00	1	192.00	0.00
1.40	0.00	2	192.00	0.00
1.50	0.00	4	192.00	0.00
1.60	0.00	5	192.00	0.00
1.70	0.01	7	192.00	0.00
1.80	0.01	9	192.00	0.00
1.90	0.01	11	192.00	0.00
2.00	0.01	14	192.00	0.00
2.10	0.01	16	192.00	0.00
2.20	0.01	19	192.00	0.00
2.30	0.01	22	192.00	0.00
2.40	0.01	26	192.01	0.00
2.50	0.01	29	192.01	0.00
2.60	0.01	33	192.01	0.00
2.70	0.01	37	192.01	0.00
2.80	0.01	41	192.01	0.00
2.90	0.01	45	192.01	0.00
3.00	0.01	50	192.01	0.00
3.10	0.01	54	192.01	0.00
3.20	0.01	59	192.01	0.00
3.30	0.01	64	192.01	0.00
3.40	0.01	69	192.01	0.00
3.50	0.02	75	192.01	0.00
3.60	0.02	80	192.02	0.00
3.70	0.02	86	192.02	0.00
3.80	0.02	91	192.02	0.00
3.90	0.02	97	192.02	0.00
4.00	0.02	103	192.02	0.00
4.10	0.02	110	192.02	0.00
4.20	0.02	116	192.02	0.00
4.30	0.02	122	192.02	0.00
4.40	0.02	129	192.03	0.00
4.50	0.02	136	192.03	0.00
4.60	0.02	142	192.03	0.00
4.70	0.02	149	192.03	0.00
4.80	0.02	157	192.03	0.00
4.90	0.02	164	192.03	0.00
5.00	0.02	171	192.03	0.00
5.10	0.02	179	192.04	0.00

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.02	186	192.04	0.00
5.30	0.02	194	192.04	0.00
5.40	0.02	202	192.04	0.00
5.50	0.02	210	192.04	0.00
5.60	0.02	218	192.04	0.00
5.70	0.02	226	192.04	0.00
5.80	0.02	234	192.05	0.00
5.90	0.02	243	192.05	0.00
6.00	0.02	251	192.05	0.00
6.10	0.02	260	192.05	0.00
6.20	0.03	269	192.05	0.00
6.30	0.03	278	192.06	0.00
6.40	0.03	288	192.06	0.00
6.50	0.03	297	192.06	0.00
6.60	0.03	307	192.06	0.00
6.70	0.03	318	192.06	0.00
6.80	0.03	328	192.07	0.00
6.90	0.03	339	192.07	0.00
7.00	0.03	350	192.07	0.00
7.10	0.03	362	192.07	0.00
7.20	0.03	374	192.07	0.00
7.30	0.03	386	192.08	0.00
7.40	0.03	398	192.08	0.00
7.50	0.04	410	192.08	0.00
7.60	0.04	423	192.08	0.00
7.70	0.04	436	192.09	0.00
7.80	0.04	450	192.09	0.00
7.90	0.04	463	192.09	0.00
8.00	0.04	477	192.09	0.00
8.10	0.04	492	192.10	0.00
8.20	0.04	506	192.10	0.00
8.30	0.04	521	192.10	0.00
8.40	0.04	536	192.11	0.00
8.50	0.04	552	192.11	0.00
8.60	0.04	567	192.11	0.00
8.70	0.04	583	192.12	0.00
8.80	0.05	600	192.12	0.00
8.90	0.05	616	192.12	0.00
9.00	0.05	633	192.13	0.00
9.10	0.05	650	192.13	0.00
9.20	0.05	669	192.13	0.00
9.30	0.06	688	192.14	0.00
9.40	0.06	709	192.14	0.00
9.50	0.06	730	192.14	0.00
9.60	0.06	752	192.15	0.00
9.70	0.07	776	192.15	0.00
9.80	0.07	800	192.16	0.00
9.90	0.07	825	192.16	0.00
10.00	0.07	852	192.17	0.00
10.10	0.08	879	192.17	0.00
10.20	0.08	908	192.18	0.00
10.30	0.09	939	192.19	0.00

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.09	971	192.19	0.00
10.50	0.10	1,005	192.20	0.00
10.60	0.11	1,043	192.21	0.00
10.70	0.13	1,086	192.21	0.00
10.80	0.14	1,135	192.22	0.00
10.90	0.16	1,189	192.23	0.00
11.00	0.18	1,249	192.25	0.00
11.10	0.20	1,318	192.26	0.00
11.20	0.24	1,399	192.28	0.00
11.30	0.27	1,491	192.29	0.00
11.40	0.31	1,595	192.31	0.00
11.50	0.34	1,712	192.34	0.00
11.60	0.54	1,879	192.37	0.00
11.70	0.61	2,087	192.41	0.00
11.80	0.87	2,359	192.46	0.01
11.90	1.30	2,755	192.54	0.03
12.00	2.43	3,438	192.66	0.07
12.10	**4.32**	4,686	192.90	0.10
12.20	1.65	5,620	193.07	0.12
12.30	1.19	6,067	193.15	0.13
12.40	0.89	6,380	193.20	0.14
12.50	0.84	6,640	193.25	0.14
12.60	0.56	6,830	193.28	0.14
12.70	0.52	6,970	193.31	0.15
12.80	0.48	7,095	193.33	0.15
12.90	0.43	7,203	193.35	0.15
13.00	0.39	7,295	193.37	0.15
13.10	0.35	7,371	193.38	0.15
13.20	0.32	7,434	193.39	0.15
13.30	0.30	7,489	193.40	0.16
13.40	0.27	7,534	193.41	0.16
13.50	0.25	7,571	193.41	0.16
13.60	0.22	7,598	193.42	0.16
13.70	0.22	7,621	193.42	0.16
13.80	0.21	7,641	193.43	0.16
13.90	0.20	7,658	193.43	0.16
14.00	0.20	7,674	193.43	0.16
14.10	0.19	7,687	193.43	0.16
14.20	0.19	7,698	193.44	0.16
14.30	0.18	7,706	193.44	0.16
14.40	0.17	7,712	193.44	0.16
14.50	0.17	7,715	193.44	0.16
14.60	0.16	**7,717**	**193.44**	**0.16**
14.70	0.15	7,716	193.44	0.16
14.80	0.15	7,712	193.44	0.16
14.90	0.14	7,706	193.44	0.16
15.00	0.13	7,698	193.44	0.16
15.10	0.13	7,688	193.43	0.16
15.20	0.12	7,676	193.43	0.16
15.30	0.12	7,664	193.43	0.16
15.40	0.12	7,651	193.43	0.16
15.50	0.12	7,638	193.43	0.16

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.12	7,624	193.42	0.16
15.70	0.12	7,610	193.42	0.16
15.80	0.11	7,595	193.42	0.16
15.90	0.11	7,579	193.42	0.16
16.00	0.11	7,563	193.41	0.16
16.10	0.11	7,547	193.41	0.16
16.20	0.11	7,530	193.41	0.16
16.30	0.11	7,512	193.40	0.16
16.40	0.10	7,494	193.40	0.16
16.50	0.10	7,476	193.40	0.16
16.60	0.10	7,456	193.39	0.15
16.70	0.10	7,437	193.39	0.15
16.80	0.10	7,417	193.39	0.15
16.90	0.10	7,396	193.38	0.15
17.00	0.09	7,375	193.38	0.15
17.10	0.09	7,353	193.38	0.15
17.20	0.09	7,331	193.37	0.15
17.30	0.09	7,308	193.37	0.15
17.40	0.09	7,285	193.36	0.15
17.50	0.09	7,261	193.36	0.15
17.60	0.08	7,237	193.36	0.15
17.70	0.08	7,212	193.35	0.15
17.80	0.08	7,187	193.35	0.15
17.90	0.08	7,161	193.34	0.15
18.00	0.08	7,135	193.34	0.15
18.10	0.07	7,108	193.33	0.15
18.20	0.07	7,081	193.33	0.15
18.30	0.07	7,054	193.32	0.15
18.40	0.07	7,027	193.32	0.15
18.50	0.07	7,000	193.31	0.15
18.60	0.07	6,973	193.31	0.15
18.70	0.07	6,946	193.30	0.15
18.80	0.07	6,919	193.30	0.15
18.90	0.07	6,892	193.29	0.15
19.00	0.07	6,865	193.29	0.15
19.10	0.07	6,838	193.28	0.15
19.20	0.07	6,812	193.28	0.14
19.30	0.07	6,785	193.28	0.14
19.40	0.07	6,758	193.27	0.14
19.50	0.07	6,731	193.27	0.14
19.60	0.07	6,704	193.26	0.14
19.70	0.07	6,677	193.26	0.14
19.80	0.07	6,650	193.25	0.14
19.90	0.07	6,623	193.25	0.14
20.00	0.07	6,596	193.24	0.14
20.10	0.07	6,570	193.24	0.14
20.20	0.07	6,543	193.23	0.14
20.30	0.07	6,516	193.23	0.14
20.40	0.06	6,489	193.22	0.14
20.50	0.06	6,462	193.22	0.14
20.60	0.06	6,435	193.21	0.14
20.70	0.06	6,409	193.21	0.14

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.06	6,382	193.20	0.14
20.90	0.06	6,355	193.20	0.14
21.00	0.06	6,328	193.19	0.14
21.10	0.06	6,302	193.19	0.14
21.20	0.06	6,275	193.18	0.14
21.30	0.06	6,248	193.18	0.13
21.40	0.06	6,221	193.17	0.13
21.50	0.06	6,195	193.17	0.13
21.60	0.06	6,168	193.16	0.13
21.70	0.06	6,141	193.16	0.13
21.80	0.06	6,115	193.16	0.13
21.90	0.06	6,088	193.15	0.13
22.00	0.06	6,061	193.15	0.13
22.10	0.06	6,035	193.14	0.13
22.20	0.06	6,008	193.14	0.13
22.30	0.06	5,982	193.13	0.13
22.40	0.06	5,955	193.13	0.13
22.50	0.06	5,928	193.12	0.13
22.60	0.06	5,902	193.12	0.13
22.70	0.05	5,875	193.11	0.13
22.80	0.05	5,849	193.11	0.13
22.90	0.05	5,822	193.10	0.13
23.00	0.05	5,796	193.10	0.13
23.10	0.05	5,769	193.09	0.13
23.20	0.05	5,743	193.09	0.13
23.30	0.05	5,717	193.08	0.12
23.40	0.05	5,690	193.08	0.12
23.50	0.05	5,664	193.07	0.12
23.60	0.05	5,637	193.07	0.12
23.70	0.05	5,611	193.06	0.12
23.80	0.05	5,585	193.06	0.12
23.90	0.05	5,559	193.06	0.12
24.00	0.06	5,535	193.05	0.12
24.10	0.00	5,500	193.04	0.12
24.20	0.00	5,457	193.04	0.12
24.30	0.00	5,414	193.03	0.12
24.40	0.00	5,371	193.02	0.12
24.50	0.00	5,329	193.01	0.12
24.60	0.00	5,287	193.01	0.12
24.70	0.00	5,245	193.00	0.12
24.80	0.00	5,204	192.99	0.11
24.90	0.00	5,163	192.98	0.11
25.00	0.00	5,122	192.98	0.11
25.10	0.00	5,082	192.97	0.11
25.20	0.00	5,041	192.96	0.11
25.30	0.00	5,002	192.95	0.11
25.40	0.00	4,962	192.95	0.11
25.50	0.00	4,923	192.94	0.11
25.60	0.00	4,884	192.93	0.11
25.70	0.00	4,846	192.93	0.11
25.80	0.00	4,808	192.92	0.11
25.90	0.00	4,770	192.91	0.10

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	4,732	192.90	0.10
26.10	0.00	4,695	192.90	0.10
26.20	0.00	4,658	192.89	0.10
26.30	0.00	4,622	192.88	0.10
26.40	0.00	4,585	192.88	0.10
26.50	0.00	4,549	192.87	0.10
26.60	0.00	4,514	192.86	0.10
26.70	0.00	4,479	192.86	0.10
26.80	0.00	4,444	192.85	0.10
26.90	0.00	4,409	192.84	0.10
27.00	0.00	4,375	192.84	0.09
27.10	0.00	4,341	192.83	0.09
27.20	0.00	4,307	192.83	0.09
27.30	0.00	4,274	192.82	0.09
27.40	0.00	4,241	192.81	0.09
27.50	0.00	4,208	192.81	0.09
27.60	0.00	4,176	192.80	0.09
27.70	0.00	4,143	192.80	0.09
27.80	0.00	4,112	192.79	0.09
27.90	0.00	4,080	192.78	0.09
28.00	0.00	4,049	192.78	0.09
28.10	0.00	4,019	192.77	0.08
28.20	0.00	3,988	192.77	0.08
28.30	0.00	3,958	192.76	0.08
28.40	0.00	3,928	192.76	0.08
28.50	0.00	3,899	192.75	0.08
28.60	0.00	3,870	192.74	0.08
28.70	0.00	3,841	192.74	0.08
28.80	0.00	3,812	192.73	0.08
28.90	0.00	3,784	192.73	0.08
29.00	0.00	3,756	192.72	0.08
29.10	0.00	3,729	192.72	0.08
29.20	0.00	3,702	192.71	0.08
29.30	0.00	3,675	192.71	0.07
29.40	0.00	3,648	192.70	0.07
29.50	0.00	3,622	192.70	0.07
29.60	0.00	3,596	192.69	0.07
29.70	0.00	3,571	192.69	0.07
29.80	0.00	3,546	192.68	0.07
29.90	0.00	3,521	192.68	0.07
30.00	0.00	3,496	192.67	0.07
30.10	0.00	3,472	192.67	0.07
30.20	0.00	3,448	192.67	0.07
30.30	0.00	3,424	192.66	0.06
30.40	0.00	3,401	192.66	0.06
30.50	0.00	3,378	192.65	0.06
30.60	0.00	3,356	192.65	0.06
30.70	0.00	3,333	192.64	0.06
30.80	0.00	3,311	192.64	0.06
30.90	0.00	3,290	192.64	0.06
31.00	0.00	3,268	192.63	0.06
31.10	0.00	3,247	192.63	0.06

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	3,227	192.62	0.06
31.30	0.00	3,207	192.62	0.06
31.40	0.00	3,187	192.62	0.06
31.50	0.00	3,167	192.61	0.05
31.60	0.00	3,147	192.61	0.05
31.70	0.00	3,128	192.61	0.05
31.80	0.00	3,110	192.60	0.05
31.90	0.00	3,091	192.60	0.05
32.00	0.00	3,073	192.60	0.05
32.10	0.00	3,055	192.59	0.05
32.20	0.00	3,038	192.59	0.05
32.30	0.00	3,021	192.59	0.05
32.40	0.00	3,004	192.58	0.05
32.50	0.00	2,988	192.58	0.04
32.60	0.00	2,972	192.58	0.04
32.70	0.00	2,957	192.57	0.04
32.80	0.00	2,942	192.57	0.04
32.90	0.00	2,927	192.57	0.04
33.00	0.00	2,912	192.57	0.04
33.10	0.00	2,898	192.56	0.04
33.20	0.00	2,884	192.56	0.04
33.30	0.00	2,871	192.56	0.04
33.40	0.00	2,857	192.55	0.04
33.50	0.00	2,844	192.55	0.04
33.60	0.00	2,832	192.55	0.03
33.70	0.00	2,819	192.55	0.03
33.80	0.00	2,807	192.55	0.03
33.90	0.00	2,796	192.54	0.03
34.00	0.00	2,784	192.54	0.03
34.10	0.00	2,773	192.54	0.03
34.20	0.00	2,762	192.54	0.03
34.30	0.00	2,752	192.53	0.03
34.40	0.00	2,741	192.53	0.03
34.50	0.00	2,731	192.53	0.03
34.60	0.00	2,721	192.53	0.03
34.70	0.00	2,711	192.53	0.03
34.80	0.00	2,702	192.53	0.03
34.90	0.00	2,693	192.52	0.03
35.00	0.00	2,684	192.52	0.02
35.10	0.00	2,675	192.52	0.02
35.20	0.00	2,667	192.52	0.02
35.30	0.00	2,658	192.52	0.02
35.40	0.00	2,650	192.52	0.02
35.50	0.00	2,642	192.51	0.02
35.60	0.00	2,634	192.51	0.02
35.70	0.00	2,626	192.51	0.02
35.80	0.00	2,619	192.51	0.02
35.90	0.00	2,611	192.51	0.02
36.00	0.00	2,604	192.51	0.02
36.10	0.00	2,597	192.51	0.02
36.20	0.00	2,590	192.50	0.02
36.30	0.00	2,583	192.50	0.02

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	2,577	192.50	0.02
36.50	0.00	2,570	192.50	0.02
36.60	0.00	2,564	192.50	0.02
36.70	0.00	2,558	192.50	0.02
36.80	0.00	2,552	192.50	0.02
36.90	0.00	2,546	192.50	0.02
37.00	0.00	2,540	192.49	0.02
37.10	0.00	2,534	192.49	0.02
37.20	0.00	2,529	192.49	0.02
37.30	0.00	2,523	192.49	0.02
37.40	0.00	2,518	192.49	0.01
37.50	0.00	2,512	192.49	0.01
37.60	0.00	2,507	192.49	0.01
37.70	0.00	2,502	192.49	0.01
37.80	0.00	2,497	192.49	0.01
37.90	0.00	2,492	192.49	0.01
38.00	0.00	2,488	192.48	0.01
38.10	0.00	2,483	192.48	0.01
38.20	0.00	2,479	192.48	0.01
38.30	0.00	2,474	192.48	0.01
38.40	0.00	2,470	192.48	0.01
38.50	0.00	2,466	192.48	0.01
38.60	0.00	2,461	192.48	0.01
38.70	0.00	2,457	192.48	0.01
38.80	0.00	2,453	192.48	0.01
38.90	0.00	2,449	192.48	0.01
39.00	0.00	2,445	192.48	0.01
39.10	0.00	2,441	192.48	0.01
39.20	0.00	2,438	192.47	0.01
39.30	0.00	2,434	192.47	0.01
39.40	0.00	2,430	192.47	0.01
39.50	0.00	2,426	192.47	0.01
39.60	0.00	2,423	192.47	0.01
39.70	0.00	2,419	192.47	0.01
39.80	0.00	2,416	192.47	0.01
39.90	0.00	2,412	192.47	0.01
40.00	0.00	2,409	192.47	0.01

Stage-Discharge for Pond B-56: Basin #56

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
192.00	0.00	192.52	0.02	193.04	0.12	193.56	0.17
192.01	0.00	192.53	0.03	193.05	0.12	193.57	0.17
192.02	0.00	192.54	0.03	193.06	0.12	193.58	0.17
192.03	0.00	192.55	0.03	193.07	0.12	193.59	0.17
192.04	0.00	192.56	0.04	193.08	0.12	193.60	0.17
192.05	0.00	192.57	0.04	193.09	0.13	193.61	0.17
192.06	0.00	192.58	0.05	193.10	0.13	193.62	0.17
192.07	0.00	192.59	0.05	193.11	0.13	193.63	0.17
192.08	0.00	192.60	0.05	193.12	0.13	193.64	0.17
192.09	0.00	192.61	0.05	193.13	0.13	193.65	0.18
192.10	0.00	192.62	0.06	193.14	0.13	193.66	0.18
192.11	0.00	192.63	0.06	193.15	0.13	193.67	0.18
192.12	0.00	192.64	0.06	193.16	0.13	193.68	0.18
192.13	0.00	192.65	0.06	193.17	0.13	193.69	0.18
192.14	0.00	192.66	0.06	193.18	0.13	193.70	0.18
192.15	0.00	192.67	0.07	193.19	0.14	193.71	0.18
192.16	0.00	192.68	0.07	193.20	0.14	193.72	0.18
192.17	0.00	192.69	0.07	193.21	0.14	193.73	0.18
192.18	0.00	192.70	0.07	193.22	0.14	193.74	0.18
192.19	0.00	192.71	0.07	193.23	0.14	193.75	0.18
192.20	0.00	192.72	0.08	193.24	0.14	193.76	0.18
192.21	0.00	192.73	0.08	193.25	0.14	193.77	0.18
192.22	0.00	192.74	0.08	193.26	0.14	193.78	0.19
192.23	0.00	192.75	0.08	193.27	0.14	193.79	0.19
192.24	0.00	192.76	0.08	193.28	0.14	193.80	0.19
192.25	0.00	192.77	0.08	193.29	0.15	193.81	0.19
192.26	0.00	192.78	0.09	193.30	0.15	193.82	0.19
192.27	0.00	192.79	0.09	193.31	0.15	193.83	0.19
192.28	0.00	192.80	0.09	193.32	0.15	193.84	0.19
192.29	0.00	192.81	0.09	193.33	0.15	193.85	0.19
192.30	0.00	192.82	0.09	193.34	0.15	193.86	0.19
192.31	0.00	192.83	0.09	193.35	0.15	193.87	0.19
192.32	0.00	192.84	0.10	193.36	0.15	193.88	0.19
192.33	0.00	192.85	0.10	193.37	0.15	193.89	0.19
192.34	0.00	192.86	0.10	193.38	0.15	193.90	0.19
192.35	0.00	192.87	0.10	193.39	0.15	193.91	0.19
192.36	0.00	192.88	0.10	193.40	0.16	193.92	0.20
192.37	0.00	192.89	0.10	193.41	0.16	193.93	0.20
192.38	0.00	192.90	0.10	193.42	0.16	193.94	0.20
192.39	0.00	192.91	0.10	193.43	0.16	193.95	0.20
192.40	0.00	192.92	0.11	193.44	0.16	193.96	0.20
192.41	0.00	192.93	0.11	193.45	0.16	193.97	0.20
192.42	0.00	192.94	0.11	193.46	0.16	193.98	0.20
192.43	0.00	192.95	0.11	193.47	0.16	193.99	0.20
192.44	0.00	192.96	0.11	193.48	0.16	194.00	0.20
192.45	0.00	192.97	0.11	193.49	0.16	194.01	0.20
192.46	0.01	192.98	0.11	193.50	0.16	194.02	0.20
192.47	0.01	192.99	0.11	193.51	0.16	194.03	0.20
192.48	0.01	193.00	0.12	193.52	0.17	194.04	0.20
192.49	0.01	193.01	0.12	193.53	0.17	194.05	0.20
192.50	0.02	193.02	0.12	193.54	0.17	194.06	0.20
192.51	0.02	193.03	0.12	193.55	0.17	194.07	0.21

Stage-Discharge for Pond B-56: Basin #56 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
194.08	0.21	194.60	0.24	195.12	4.00	195.64	18.17
194.09	0.21	194.61	0.24	195.13	4.13	195.65	19.03
194.10	0.21	194.62	0.24	195.14	4.25	195.66	19.90
194.11	0.21	194.63	0.24	195.15	4.38	195.67	20.81
194.12	0.21	194.64	0.24	195.16	4.51	195.68	21.73
194.13	0.21	194.65	0.24	195.17	4.64	195.69	22.68
194.14	0.21	194.66	0.24	195.18	4.78	195.70	23.65
194.15	0.21	194.67	0.24	195.19	4.91	195.71	24.67
194.16	0.21	194.68	0.24	195.20	5.05	195.72	25.73
194.17	0.21	194.69	0.26	195.21	5.18	195.73	26.81
194.18	0.21	194.70	0.28	195.22	5.32	195.74	27.92
194.19	0.21	194.71	0.31	195.23	5.46	195.75	29.05
194.20	0.21	194.72	0.35	195.24	5.60	195.76	30.21
194.21	0.21	194.73	0.39	195.25	5.74	195.77	31.40
194.22	0.22	194.74	0.44	195.26	5.88	195.78	32.61
194.23	0.22	194.75	0.49	195.27	6.03	195.79	33.84
194.24	0.22	194.76	0.54	195.28	6.17	195.80	35.10
194.25	0.22	194.77	0.60	195.29	6.32	195.81	36.39
194.26	0.22	194.78	0.66	195.30	6.46	195.82	37.70
194.27	0.22	194.79	0.72	195.31	6.61	195.83	39.04
194.28	0.22	194.80	0.79	195.32	6.76	195.84	40.40
194.29	0.22	194.81	0.86	195.33	6.91	195.85	41.78
194.30	0.22	194.82	0.93	195.34	7.06	195.86	43.12
194.31	0.22	194.83	1.00	195.35	7.21	195.87	44.39
194.32	0.22	194.84	1.08	195.36	7.36	195.88	45.68
194.33	0.22	194.85	1.16	195.37	7.52	195.89	46.99
194.34	0.22	194.86	1.24	195.38	7.67	195.90	48.33
194.35	0.22	194.87	1.33	195.39	7.83	195.91	49.72
194.36	0.22	194.88	1.41	195.40	7.98	195.92	51.13
194.37	0.22	194.89	1.50	195.41	8.14	195.93	52.57
194.38	0.22	194.90	1.59	195.42	8.30	195.94	54.04
194.39	0.23	194.91	1.68	195.43	8.46	195.95	55.53
194.40	0.23	194.92	1.77	195.44	8.62	195.96	57.05
194.41	0.23	194.93	1.87	195.45	8.78	195.97	58.59
194.42	0.23	194.94	1.97	195.46	8.94	195.98	60.17
194.43	0.23	194.95	2.07	195.47	9.10	195.99	61.76
194.44	0.23	194.96	2.17	195.48	9.27	196.00	**63.39**
194.45	0.23	194.97	2.27	195.49	9.43		
194.46	0.23	194.98	2.38	195.50	9.60		
194.47	0.23	194.99	2.48	195.51	9.88		
194.48	0.23	195.00	2.59	195.52	10.26		
194.49	0.23	195.01	2.70	195.53	10.71		
194.50	0.23	195.02	2.81	195.54	11.21		
194.51	0.23	195.03	2.92	195.55	11.75		
194.52	0.23	195.04	3.04	195.56	12.33		
194.53	0.23	195.05	3.15	195.57	12.96		
194.54	0.23	195.06	3.27	195.58	13.61		
194.55	0.23	195.07	3.39	195.59	14.30		
194.56	0.24	195.08	3.51	195.60	15.02		
194.57	0.24	195.09	3.63	195.61	15.77		
194.58	0.24	195.10	3.75	195.62	16.54		
194.59	0.24	195.11	3.87	195.63	17.34		

Stage-Area-Storage for Pond B-56: Basin #56

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
192.00	5,021	0	192.52	5,265	2,674
192.01	5,026	50	192.53	5,270	2,727
192.02	5,030	101	192.54	5,274	2,780
192.03	5,035	151	192.55	5,279	2,832
192.04	5,040	201	192.56	5,284	2,885
192.05	5,044	252	192.57	5,288	2,938
192.06	5,049	302	192.58	5,293	2,991
192.07	5,054	353	192.59	5,298	3,044
192.08	5,059	403	192.60	5,302	3,097
192.09	5,063	454	192.61	5,307	3,150
192.10	5,068	504	192.62	5,312	3,203
192.11	5,073	555	192.63	5,316	3,256
192.12	5,077	606	192.64	5,321	3,309
192.13	5,082	657	192.65	5,326	3,363
192.14	5,087	708	192.66	5,331	3,416
192.15	5,091	758	192.67	5,335	3,469
192.16	5,096	809	192.68	5,340	3,523
192.17	5,101	860	192.69	5,345	3,576
192.18	5,105	911	192.70	5,349	3,630
192.19	5,110	962	192.71	5,354	3,683
192.20	5,115	1,014	192.72	5,359	3,737
192.21	5,119	1,065	192.73	5,363	3,790
192.22	5,124	1,116	192.74	5,368	3,844
192.23	5,129	1,167	192.75	5,373	3,898
192.24	5,134	1,219	192.76	5,377	3,951
192.25	5,138	1,270	192.77	5,382	4,005
192.26	5,143	1,321	192.78	5,387	4,059
192.27	5,148	1,373	192.79	5,392	4,113
192.28	5,152	1,424	192.80	5,396	4,167
192.29	5,157	1,476	192.81	5,401	4,221
192.30	5,162	1,527	192.82	5,406	4,275
192.31	5,166	1,579	192.83	5,410	4,329
192.32	5,171	1,631	192.84	5,415	4,383
192.33	5,176	1,682	192.85	5,420	4,437
192.34	5,180	1,734	192.86	5,424	4,491
192.35	5,185	1,786	192.87	5,429	4,546
192.36	5,190	1,838	192.88	5,434	4,600
192.37	5,195	1,890	192.89	5,438	4,654
192.38	5,199	1,942	192.90	5,443	4,709
192.39	5,204	1,994	192.91	5,448	4,763
192.40	5,209	2,046	192.92	5,452	4,818
192.41	5,213	2,098	192.93	5,457	4,872
192.42	5,218	2,150	192.94	5,462	4,927
192.43	5,223	2,202	192.95	5,467	4,982
192.44	5,227	2,255	192.96	5,471	5,036
192.45	5,232	2,307	192.97	5,476	5,091
192.46	5,237	2,359	192.98	5,481	5,146
192.47	5,241	2,412	192.99	5,485	5,201
192.48	5,246	2,464	193.00	5,490	5,256
192.49	5,251	2,517	193.01	5,495	5,310
192.50	5,256	2,569	193.02	5,500	5,365
192.51	5,260	2,622	193.03	5,505	5,420

Stage-Area-Storage for Pond B-56: Basin #56 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
193.04	5,509	5,475	193.56	5,762	8,406
193.05	5,514	5,531	193.57	5,767	8,464
193.06	5,519	5,586	193.58	5,772	8,521
193.07	5,524	5,641	193.59	5,777	8,579
193.08	5,529	5,696	193.60	5,782	8,637
193.09	5,534	5,752	193.61	5,786	8,695
193.10	5,539	5,807	193.62	5,791	8,753
193.11	5,543	5,862	193.63	5,796	8,811
193.12	5,548	5,918	193.64	5,801	8,869
193.13	5,553	5,973	193.65	5,806	8,927
193.14	5,558	6,029	193.66	5,811	8,985
193.15	5,563	6,084	193.67	5,816	9,043
193.16	5,568	6,140	193.68	5,820	9,101
193.17	5,573	6,196	193.69	5,825	9,159
193.18	5,577	6,252	193.70	5,830	9,218
193.19	5,582	6,307	193.71	5,835	9,276
193.20	5,587	6,363	193.72	5,840	9,334
193.21	5,592	6,419	193.73	5,845	9,393
193.22	5,597	6,475	193.74	5,850	9,451
193.23	5,602	6,531	193.75	5,855	9,510
193.24	5,607	6,587	193.76	5,859	9,568
193.25	5,612	6,643	193.77	5,864	9,627
193.26	5,616	6,699	193.78	5,869	9,686
193.27	5,621	6,756	193.79	5,874	9,744
193.28	5,626	6,812	193.80	5,879	9,803
193.29	5,631	6,868	193.81	5,884	9,862
193.30	5,636	6,924	193.82	5,889	9,921
193.31	5,641	6,981	193.83	5,893	9,980
193.32	5,646	7,037	193.84	5,898	10,039
193.33	5,650	7,094	193.85	5,903	10,098
193.34	5,655	7,150	193.86	5,908	10,157
193.35	5,660	7,207	193.87	5,913	10,216
193.36	5,665	7,263	193.88	5,918	10,275
193.37	5,670	7,320	193.89	5,923	10,334
193.38	5,675	7,377	193.90	5,927	10,393
193.39	5,680	7,434	193.91	5,932	10,453
193.40	5,684	7,490	193.92	5,937	10,512
193.41	5,689	7,547	193.93	5,942	10,571
193.42	5,694	7,604	193.94	5,947	10,631
193.43	5,699	7,661	193.95	5,952	10,690
193.44	5,704	7,718	193.96	5,957	10,750
193.45	5,709	7,775	193.97	5,961	10,809
193.46	5,714	7,832	193.98	5,966	10,869
193.47	5,718	7,889	193.99	5,971	10,929
193.48	5,723	7,947	194.00	5,976	10,989
193.49	5,728	8,004	194.01	5,981	11,048
193.50	5,733	8,061	194.02	5,986	11,108
193.51	5,738	8,119	194.03	5,991	11,168
193.52	5,743	8,176	194.04	5,996	11,228
193.53	5,748	8,233	194.05	6,001	11,288
193.54	5,752	8,291	194.06	6,006	11,348
193.55	5,757	8,349	194.07	6,011	11,408

Stage-Area-Storage for Pond B-56: Basin #56 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
194.08	6,016	11,468	194.60	6,277	14,664
194.09	6,021	11,528	194.61	6,282	14,727
194.10	6,026	11,589	194.62	6,287	14,790
194.11	6,031	11,649	194.63	6,292	14,853
194.12	6,036	11,709	194.64	6,297	14,916
194.13	6,041	11,770	194.65	6,302	14,979
194.14	6,046	11,830	194.66	6,307	15,042
194.15	6,051	11,891	194.67	6,312	15,105
194.16	6,056	11,951	194.68	6,317	15,168
194.17	6,061	12,012	194.69	6,322	15,231
194.18	6,066	12,072	194.70	6,327	15,295
194.19	6,071	12,133	194.71	6,332	15,358
194.20	6,076	12,194	194.72	6,337	15,421
194.21	6,081	12,255	194.73	6,342	15,485
194.22	6,086	12,315	194.74	6,347	15,548
194.23	6,091	12,376	194.75	6,353	15,612
194.24	6,096	12,437	194.76	6,358	15,675
194.25	6,102	12,498	194.77	6,363	15,739
194.26	6,107	12,559	194.78	6,368	15,802
194.27	6,112	12,620	194.79	6,373	15,866
194.28	6,117	12,681	194.80	6,378	15,930
194.29	6,122	12,743	194.81	6,383	15,994
194.30	6,127	12,804	194.82	6,388	16,058
194.31	6,132	12,865	194.83	6,393	16,121
194.32	6,137	12,927	194.84	6,398	16,185
194.33	6,142	12,988	194.85	6,403	16,249
194.34	6,147	13,049	194.86	6,408	16,313
194.35	6,152	13,111	194.87	6,413	16,378
194.36	6,157	13,172	194.88	6,418	16,442
194.37	6,162	13,234	194.89	6,423	16,506
194.38	6,167	13,296	194.90	6,428	16,570
194.39	6,172	13,357	194.91	6,433	16,635
194.40	6,177	13,419	194.92	6,438	16,699
194.41	6,182	13,481	194.93	6,443	16,763
194.42	6,187	13,543	194.94	6,448	16,828
194.43	6,192	13,605	194.95	6,453	16,892
194.44	6,197	13,667	194.96	6,458	16,957
194.45	6,202	13,729	194.97	6,463	17,021
194.46	6,207	13,791	194.98	6,468	17,086
194.47	6,212	13,853	194.99	6,473	17,151
194.48	6,217	13,915	195.00	6,478	17,216
194.49	6,222	13,977	195.01	6,483	17,280
194.50	6,227	14,039	195.02	6,488	17,345
194.51	6,232	14,102	195.03	6,494	17,410
194.52	6,237	14,164	195.04	6,499	17,475
194.53	6,242	14,226	195.05	6,504	17,540
194.54	6,247	14,289	195.06	6,509	17,605
194.55	6,252	14,351	195.07	6,514	17,670
194.56	6,257	14,414	195.08	6,519	17,735
194.57	6,262	14,476	195.09	6,525	17,801
194.58	6,267	14,539	195.10	6,530	17,866
194.59	6,272	14,602	195.11	6,535	17,931

Stage-Area-Storage for Pond B-56: Basin #56 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
195.12	6,540	17,997
195.13	6,545	18,062
195.14	6,550	18,127
195.15	6,556	18,193
195.16	6,561	18,259
195.17	6,566	18,324
195.18	6,571	18,390
195.19	6,576	18,456
195.20	6,581	18,521
195.21	6,587	18,587
195.22	6,592	18,653
195.23	6,597	18,719
195.24	6,602	18,785
195.25	6,607	18,851
195.26	6,612	18,917
195.27	6,618	18,983
195.28	6,623	19,050
195.29	6,628	19,116
195.30	6,633	19,182
195.31	6,638	19,249
195.32	6,643	19,315
195.33	6,649	19,381
195.34	6,654	19,448
195.35	6,659	19,514
195.36	6,664	19,581
195.37	6,669	19,648
195.38	6,674	19,714
195.39	6,680	19,781
195.40	6,685	19,848
195.41	6,690	19,915
195.42	6,695	19,982
195.43	6,700	20,049
195.44	6,705	20,116
195.45	6,711	20,183
195.46	6,716	20,250
195.47	6,721	20,317
195.48	6,726	20,384
195.49	6,731	20,452
195.50	6,737	20,519
195.51	6,742	20,587
195.52	6,747	20,654
195.53	6,752	20,721
195.54	6,757	20,789
195.55	6,762	20,857
195.56	6,768	20,924
195.57	6,773	20,992
195.58	6,778	21,060
195.59	6,783	21,128
195.60	6,788	21,195
195.61	6,793	21,263
195.62	6,799	21,331
195.63	6,804	21,399
195.64	6,809	21,467
195.65	6,814	21,535
195.66	6,819	21,604
195.67	6,824	21,672
195.68	6,830	21,740
195.69	6,835	21,808
195.70	6,840	21,877
195.71	6,845	21,945
195.72	6,850	22,014
195.73	6,855	22,082
195.74	6,861	22,151
195.75	6,866	22,219
195.76	6,871	22,288
195.77	6,876	22,357
195.78	6,881	22,426
195.79	6,886	22,494
195.80	6,892	22,563
195.81	6,897	22,632
195.82	6,902	22,701
195.83	6,907	22,770
195.84	6,912	22,839
195.85	6,917	22,909
195.86	6,923	22,978
195.87	6,928	23,047
195.88	6,933	23,116
195.89	6,938	23,186
195.90	6,943	23,255
195.91	6,948	23,325
195.92	6,954	23,394
195.93	6,959	23,464
195.94	6,964	23,533
195.95	6,969	23,603
195.96	6,974	23,673
195.97	6,979	23,742
195.98	6,985	23,812
195.99	6,990	23,882
196.00	**6,995**	**23,952**

Summary for Pond B-57: Basin #57

Inflow Area = 1.434 ac, 47.56% Impervious, Inflow Depth = 2.50" for Future 2 yr event
Inflow = 4.09 cfs @ 12.10 hrs, Volume= 0.299 af
Outflow = 1.29 cfs @ 12.33 hrs, Volume= 0.218 af, Atten= 68%, Lag= 14.0 min
Primary = 1.29 cfs @ 12.33 hrs, Volume= 0.218 af
Routed to Pond B-58 : Basin #58

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 203.50' @ 12.33 hrs Surf.Area= 4,761 sf Storage= 6,545 cf

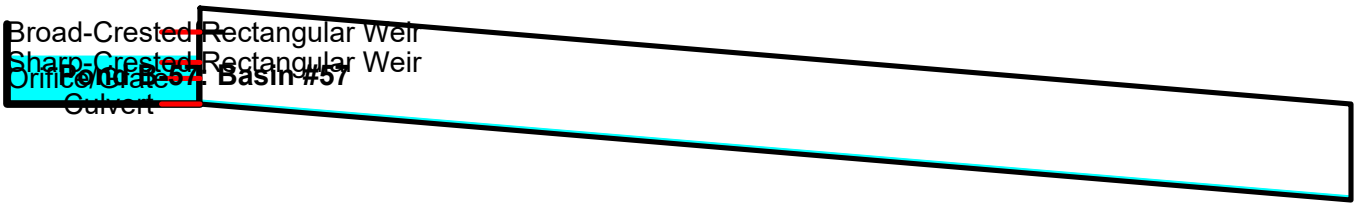
Plug-Flow detention time= 353.5 min calculated for 0.218 af (73% of inflow)
Center-of-Mass det. time= 257.6 min (1,041.3 - 783.7)

Volume	Invert	Avail.Storage	Storage Description
#1	202.00'	11,650 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

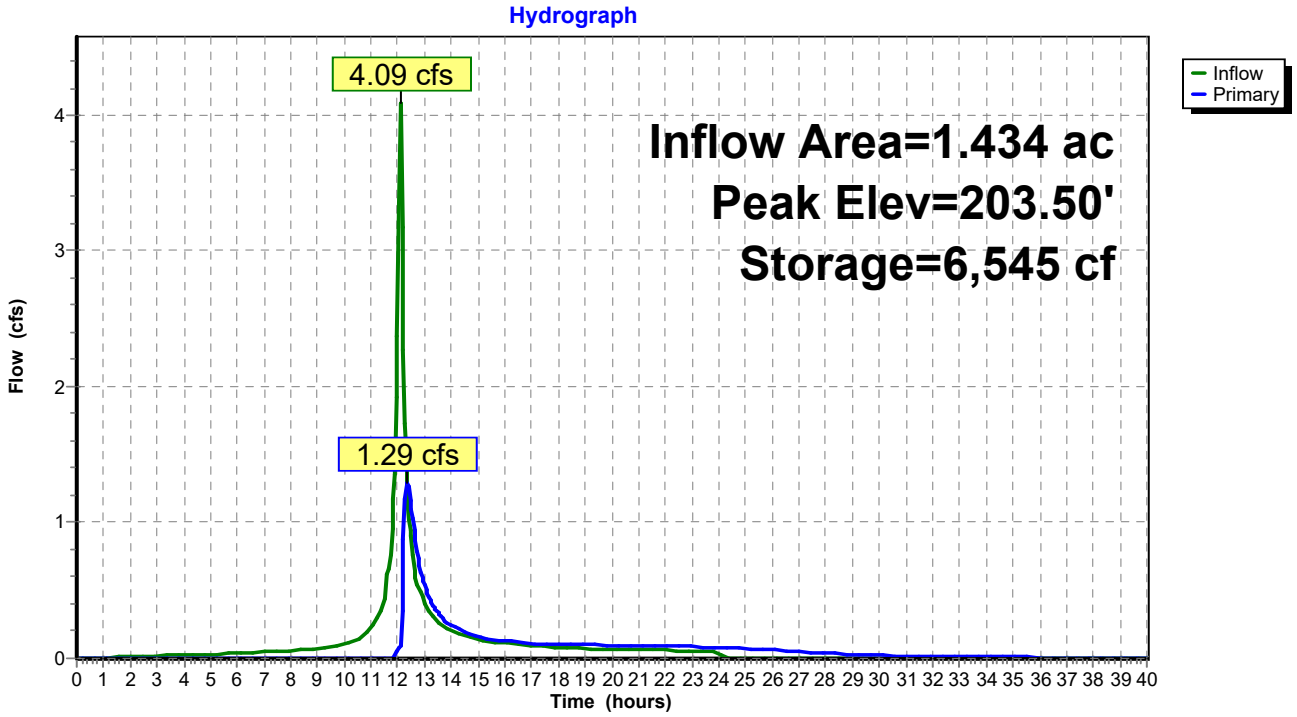
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
202.00	3,969	0	0
203.00	4,488	4,229	4,229
204.00	5,034	4,761	8,990
204.50	5,608	2,661	11,650

Device	Routing	Invert	Outlet Devices
#1	Primary	202.00'	**36.0" Round Culvert** L= 252.0' Ke= 0.500 Inlet / Outlet Invert= 202.00' / 199.00' S= 0.0119 '/' Cc= 0.900 n= 0.013, Flow Area= 7.07 sf
#2	Device 1	202.80'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	203.30'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	204.25'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=1.29 cfs @ 12.33 hrs HW=203.50' (Free Discharge)
- **1=Culvert** (Passes 1.29 cfs of 14.74 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.13 cfs @ 3.72 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 1.16 cfs @ 1.46 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-57: Basin #57



Hydrograph for Pond B-57: Basin #57

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	202.00	0.00
0.10	0.00	0	202.00	0.00
0.20	0.00	0	202.00	0.00
0.30	0.00	0	202.00	0.00
0.40	0.00	0	202.00	0.00
0.50	0.00	0	202.00	0.00
0.60	0.00	0	202.00	0.00
0.70	0.00	0	202.00	0.00
0.80	0.00	0	202.00	0.00
0.90	0.00	0	202.00	0.00
1.00	0.00	0	202.00	0.00
1.10	0.00	0	202.00	0.00
1.20	0.00	1	202.00	0.00
1.30	0.00	2	202.00	0.00
1.40	0.00	3	202.00	0.00
1.50	0.01	5	202.00	0.00
1.60	0.01	7	202.00	0.00
1.70	0.01	10	202.00	0.00
1.80	0.01	13	202.00	0.00
1.90	0.01	16	202.00	0.00
2.00	0.01	19	202.00	0.00
2.10	0.01	23	202.01	0.00
2.20	0.01	28	202.01	0.00
2.30	0.01	32	202.01	0.00
2.40	0.01	37	202.01	0.00
2.50	0.01	42	202.01	0.00
2.60	0.02	47	202.01	0.00
2.70	0.02	53	202.01	0.00
2.80	0.02	59	202.01	0.00
2.90	0.02	65	202.02	0.00
3.00	0.02	72	202.02	0.00
3.10	0.02	78	202.02	0.00
3.20	0.02	85	202.02	0.00
3.30	0.02	93	202.02	0.00
3.40	0.02	100	202.03	0.00
3.50	0.02	108	202.03	0.00
3.60	0.02	116	202.03	0.00
3.70	0.02	124	202.03	0.00
3.80	0.02	132	202.03	0.00
3.90	0.02	141	202.04	0.00
4.00	0.02	149	202.04	0.00
4.10	0.03	158	202.04	0.00
4.20	0.03	168	202.04	0.00
4.30	0.03	177	202.04	0.00
4.40	0.03	186	202.05	0.00
4.50	0.03	196	202.05	0.00
4.60	0.03	206	202.05	0.00
4.70	0.03	216	202.05	0.00
4.80	0.03	227	202.06	0.00
4.90	0.03	237	202.06	0.00
5.00	0.03	248	202.06	0.00
5.10	0.03	259	202.06	0.00

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.03	270	202.07	0.00
5.30	0.03	281	202.07	0.00
5.40	0.03	292	202.07	0.00
5.50	0.03	304	202.08	0.00
5.60	0.03	315	202.08	0.00
5.70	0.03	327	202.08	0.00
5.80	0.03	339	202.08	0.00
5.90	0.03	351	202.09	0.00
6.00	0.03	364	202.09	0.00
6.10	0.04	376	202.09	0.00
6.20	0.04	389	202.10	0.00
6.30	0.04	403	202.10	0.00
6.40	0.04	416	202.10	0.00
6.50	0.04	431	202.11	0.00
6.60	0.04	445	202.11	0.00
6.70	0.04	460	202.12	0.00
6.80	0.04	475	202.12	0.00
6.90	0.04	491	202.12	0.00
7.00	0.05	507	202.13	0.00
7.10	0.05	524	202.13	0.00
7.20	0.05	541	202.14	0.00
7.30	0.05	558	202.14	0.00
7.40	0.05	576	202.14	0.00
7.50	0.05	594	202.15	0.00
7.60	0.05	613	202.15	0.00
7.70	0.05	632	202.16	0.00
7.80	0.05	651	202.16	0.00
7.90	0.06	671	202.17	0.00
8.00	0.06	692	202.17	0.00
8.10	0.06	712	202.18	0.00
8.20	0.06	733	202.18	0.00
8.30	0.06	755	202.19	0.00
8.40	0.06	777	202.19	0.00
8.50	0.06	799	202.20	0.00
8.60	0.06	822	202.20	0.00
8.70	0.06	845	202.21	0.00
8.80	0.07	868	202.22	0.00
8.90	0.07	892	202.22	0.00
9.00	0.07	917	202.23	0.00
9.10	0.07	942	202.23	0.00
9.20	0.08	969	202.24	0.00
9.30	0.08	997	202.25	0.00
9.40	0.08	1,027	202.25	0.00
9.50	0.09	1,057	202.26	0.00
9.60	0.09	1,090	202.27	0.00
9.70	0.10	1,124	202.28	0.00
9.80	0.10	1,159	202.29	0.00
9.90	0.10	1,195	202.30	0.00
10.00	0.11	1,233	202.30	0.00
10.10	0.11	1,273	202.31	0.00
10.20	0.12	1,314	202.32	0.00
10.30	0.12	1,357	202.33	0.00

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.13	1,402	202.35	0.00
10.50	0.13	1,449	202.36	0.00
10.60	0.15	1,500	202.37	0.00
10.70	0.17	1,557	202.38	0.00
10.80	0.19	1,621	202.40	0.00
10.90	0.20	1,692	202.41	0.00
11.00	0.22	1,769	202.43	0.00
11.10	0.26	1,856	202.45	0.00
11.20	0.29	1,956	202.48	0.00
11.30	0.33	2,069	202.50	0.00
11.40	0.37	2,195	202.53	0.00
11.50	0.41	2,335	202.57	0.00
11.60	0.61	2,522	202.61	0.00
11.70	0.69	2,759	202.67	0.00
11.80	0.95	3,057	202.73	0.00
11.90	1.36	3,476	202.83	0.00
12.00	2.37	4,149	202.98	0.05
12.10	**4.08**	5,307	203.24	0.09
12.20	2.27	6,300	203.45	0.87
12.30	1.43	**6,539**	**203.50**	**1.28**
12.40	1.02	**6,513**	**203.49**	**1.24**
12.50	0.90	6,435	203.48	1.10
12.60	0.65	6,343	203.46	0.94
12.70	0.56	6,247	203.44	0.79
12.80	0.51	6,174	203.42	0.68
12.90	0.46	6,118	203.41	0.60
13.00	0.41	6,071	203.40	0.54
13.10	0.37	6,029	203.39	0.48
13.20	0.34	5,991	203.38	0.43
13.30	0.31	5,959	203.38	0.39
13.40	0.29	5,931	203.37	0.36
13.50	0.26	5,904	203.37	0.33
13.60	0.24	5,878	203.36	0.30
13.70	0.22	5,856	203.35	0.28
13.80	0.22	5,838	203.35	0.26
13.90	0.21	5,823	203.35	0.25
14.00	0.20	5,810	203.35	0.24
14.10	0.20	5,799	203.34	0.23
14.20	0.19	5,788	203.34	0.22
14.30	0.18	5,778	203.34	0.21
14.40	0.18	5,768	203.34	0.20
14.50	0.17	5,759	203.33	0.20
14.60	0.16	5,750	203.33	0.19
14.70	0.16	5,741	203.33	0.18
14.80	0.15	5,732	203.33	0.17
14.90	0.14	5,724	203.33	0.17
15.00	0.14	5,715	203.32	0.16
15.10	0.13	5,707	203.32	0.15
15.20	0.13	5,699	203.32	0.15
15.30	0.13	5,692	203.32	0.14
15.40	0.12	5,686	203.32	0.14
15.50	0.12	5,680	203.32	0.14

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.12	5,675	203.32	0.14
15.70	0.12	5,670	203.32	0.13
15.80	0.12	5,665	203.31	0.13
15.90	0.12	5,660	203.31	0.13
16.00	0.11	5,655	203.31	0.13
16.10	0.11	5,650	203.31	0.12
16.20	0.11	5,645	203.31	0.12
16.30	0.11	5,641	203.31	0.12
16.40	0.11	5,636	203.31	0.12
16.50	0.10	5,632	203.31	0.12
16.60	0.10	5,627	203.31	0.12
16.70	0.10	5,623	203.31	0.11
16.80	0.10	5,618	203.30	0.11
16.90	0.10	5,614	203.30	0.11
17.00	0.10	5,610	203.30	0.11
17.10	0.09	5,605	203.30	0.11
17.20	0.09	5,601	203.30	0.10
17.30	0.09	5,597	203.30	0.10
17.40	0.09	5,592	203.30	0.10
17.50	0.09	5,586	203.30	0.10
17.60	0.08	5,580	203.30	0.10
17.70	0.08	5,573	203.29	0.10
17.80	0.08	5,566	203.29	0.10
17.90	0.08	5,558	203.29	0.10
18.00	0.08	5,549	203.29	0.10
18.10	0.08	5,540	203.29	0.10
18.20	0.07	5,531	203.29	0.10
18.30	0.07	5,521	203.28	0.10
18.40	0.07	5,512	203.28	0.10
18.50	0.07	5,502	203.28	0.10
18.60	0.07	5,492	203.28	0.10
18.70	0.07	5,483	203.27	0.10
18.80	0.07	5,473	203.27	0.10
18.90	0.07	5,463	203.27	0.10
19.00	0.07	5,453	203.27	0.10
19.10	0.07	5,443	203.27	0.10
19.20	0.07	5,433	203.26	0.10
19.30	0.07	5,423	203.26	0.10
19.40	0.07	5,412	203.26	0.10
19.50	0.07	5,402	203.26	0.10
19.60	0.07	5,392	203.26	0.10
19.70	0.07	5,382	203.25	0.10
19.80	0.07	5,371	203.25	0.10
19.90	0.07	5,361	203.25	0.10
20.00	0.07	5,350	203.25	0.10
20.10	0.07	5,340	203.24	0.10
20.20	0.07	5,329	203.24	0.10
20.30	0.07	5,319	203.24	0.10
20.40	0.07	5,308	203.24	0.09
20.50	0.06	5,297	203.23	0.09
20.60	0.06	5,287	203.23	0.09
20.70	0.06	5,276	203.23	0.09

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.06	5,265	203.23	0.09
20.90	0.06	5,254	203.23	0.09
21.00	0.06	5,243	203.22	0.09
21.10	0.06	5,232	203.22	0.09
21.20	0.06	5,221	203.22	0.09
21.30	0.06	5,211	203.22	0.09
21.40	0.06	5,200	203.21	0.09
21.50	0.06	5,188	203.21	0.09
21.60	0.06	5,177	203.21	0.09
21.70	0.06	5,166	203.21	0.09
21.80	0.06	5,155	203.20	0.09
21.90	0.06	5,144	203.20	0.09
22.00	0.06	5,133	203.20	0.09
22.10	0.06	5,121	203.20	0.09
22.20	0.06	5,110	203.19	0.09
22.30	0.06	5,099	203.19	0.09
22.40	0.06	5,087	203.19	0.09
22.50	0.06	5,076	203.19	0.09
22.60	0.06	5,065	203.18	0.09
22.70	0.05	5,053	203.18	0.09
22.80	0.05	5,042	203.18	0.09
22.90	0.05	5,030	203.18	0.09
23.00	0.05	5,019	203.17	0.09
23.10	0.05	5,007	203.17	0.08
23.20	0.05	4,996	203.17	0.08
23.30	0.05	4,984	203.17	0.08
23.40	0.05	4,973	203.16	0.08
23.50	0.05	4,961	203.16	0.08
23.60	0.05	4,949	203.16	0.08
23.70	0.05	4,938	203.16	0.08
23.80	0.05	4,926	203.15	0.08
23.90	0.05	4,914	203.15	0.08
24.00	0.06	4,904	203.15	0.08
24.10	0.02	4,888	203.15	0.08
24.20	0.00	4,862	203.14	0.08
24.30	0.00	4,834	203.13	0.08
24.40	0.00	4,806	203.13	0.08
24.50	0.00	4,778	203.12	0.08
24.60	0.00	4,751	203.12	0.08
24.70	0.00	4,724	203.11	0.07
24.80	0.00	4,697	203.10	0.07
24.90	0.00	4,671	203.10	0.07
25.00	0.00	4,645	203.09	0.07
25.10	0.00	4,620	203.09	0.07
25.20	0.00	4,595	203.08	0.07
25.30	0.00	4,570	203.08	0.07
25.40	0.00	4,546	203.07	0.07
25.50	0.00	4,522	203.07	0.07
25.60	0.00	4,499	203.06	0.06
25.70	0.00	4,476	203.05	0.06
25.80	0.00	4,453	203.05	0.06
25.90	0.00	4,430	203.04	0.06

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	4,408	203.04	0.06
26.10	0.00	4,387	203.04	0.06
26.20	0.00	4,366	203.03	0.06
26.30	0.00	4,345	203.03	0.06
26.40	0.00	4,325	203.02	0.06
26.50	0.00	4,305	203.02	0.06
26.60	0.00	4,285	203.01	0.05
26.70	0.00	4,266	203.01	0.05
26.80	0.00	4,247	203.00	0.05
26.90	0.00	4,228	203.00	0.05
27.00	0.00	4,210	203.00	0.05
27.10	0.00	4,192	202.99	0.05
27.20	0.00	4,175	202.99	0.05
27.30	0.00	4,158	202.98	0.05
27.40	0.00	4,141	202.98	0.05
27.50	0.00	4,125	202.98	0.04
27.60	0.00	4,109	202.97	0.04
27.70	0.00	4,094	202.97	0.04
27.80	0.00	4,079	202.97	0.04
27.90	0.00	4,065	202.96	0.04
28.00	0.00	4,051	202.96	0.04
28.10	0.00	4,037	202.96	0.04
28.20	0.00	4,024	202.95	0.04
28.30	0.00	4,011	202.95	0.04
28.40	0.00	3,999	202.95	0.03
28.50	0.00	3,987	202.95	0.03
28.60	0.00	3,975	202.94	0.03
28.70	0.00	3,964	202.94	0.03
28.80	0.00	3,952	202.94	0.03
28.90	0.00	3,942	202.94	0.03
29.00	0.00	3,931	202.93	0.03
29.10	0.00	3,921	202.93	0.03
29.20	0.00	3,911	202.93	0.03
29.30	0.00	3,901	202.93	0.03
29.40	0.00	3,892	202.92	0.03
29.50	0.00	3,883	202.92	0.02
29.60	0.00	3,874	202.92	0.02
29.70	0.00	3,865	202.92	0.02
29.80	0.00	3,857	202.92	0.02
29.90	0.00	3,849	202.91	0.02
30.00	0.00	3,841	202.91	0.02
30.10	0.00	3,833	202.91	0.02
30.20	0.00	3,826	202.91	0.02
30.30	0.00	3,818	202.91	0.02
30.40	0.00	3,811	202.91	0.02
30.50	0.00	3,804	202.90	0.02
30.60	0.00	3,797	202.90	0.02
30.70	0.00	3,791	202.90	0.02
30.80	0.00	3,784	202.90	0.02
30.90	0.00	3,778	202.90	0.02
31.00	0.00	3,772	202.90	0.02
31.10	0.00	3,766	202.90	0.02

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	3,760	202.90	0.02
31.30	0.00	3,754	202.89	0.02
31.40	0.00	3,749	202.89	0.02
31.50	0.00	3,743	202.89	0.01
31.60	0.00	3,738	202.89	0.01
31.70	0.00	3,733	202.89	0.01
31.80	0.00	3,728	202.89	0.01
31.90	0.00	3,723	202.89	0.01
32.00	0.00	3,718	202.89	0.01
32.10	0.00	3,713	202.88	0.01
32.20	0.00	3,709	202.88	0.01
32.30	0.00	3,704	202.88	0.01
32.40	0.00	3,700	202.88	0.01
32.50	0.00	3,695	202.88	0.01
32.60	0.00	3,691	202.88	0.01
32.70	0.00	3,687	202.88	0.01
32.80	0.00	3,683	202.88	0.01
32.90	0.00	3,679	202.88	0.01
33.00	0.00	3,675	202.88	0.01
33.10	0.00	3,671	202.87	0.01
33.20	0.00	3,667	202.87	0.01
33.30	0.00	3,664	202.87	0.01
33.40	0.00	3,660	202.87	0.01
33.50	0.00	3,657	202.87	0.01
33.60	0.00	3,653	202.87	0.01
33.70	0.00	3,650	202.87	0.01
33.80	0.00	3,647	202.87	0.01
33.90	0.00	3,644	202.87	0.01
34.00	0.00	3,640	202.87	0.01
34.10	0.00	3,637	202.87	0.01
34.20	0.00	3,634	202.87	0.01
34.30	0.00	3,631	202.87	0.01
34.40	0.00	3,628	202.87	0.01
34.50	0.00	3,626	202.86	0.01
34.60	0.00	3,623	202.86	0.01
34.70	0.00	3,620	202.86	0.01
34.80	0.00	3,617	202.86	0.01
34.90	0.00	3,614	202.86	0.01
35.00	0.00	3,612	202.86	0.01
35.10	0.00	3,609	202.86	0.01
35.20	0.00	3,606	202.86	0.01
35.30	0.00	3,604	202.86	0.01
35.40	0.00	3,601	202.86	0.01
35.50	0.00	3,599	202.86	0.01
35.60	0.00	3,597	202.86	0.01
35.70	0.00	3,594	202.86	0.01
35.80	0.00	3,592	202.86	0.01
35.90	0.00	3,589	202.86	0.01
36.00	0.00	3,587	202.86	0.01
36.10	0.00	3,585	202.86	0.01
36.20	0.00	3,583	202.85	0.01
36.30	0.00	3,581	202.85	0.01

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	3,578	202.85	0.01
36.50	0.00	3,576	202.85	0.01
36.60	0.00	3,574	202.85	0.01
36.70	0.00	3,572	202.85	0.01
36.80	0.00	3,570	202.85	0.01
36.90	0.00	3,568	202.85	0.01
37.00	0.00	3,566	202.85	0.01
37.10	0.00	3,564	202.85	0.01
37.20	0.00	3,563	202.85	0.01
37.30	0.00	3,561	202.85	0.01
37.40	0.00	3,559	202.85	0.00
37.50	0.00	3,557	202.85	0.00
37.60	0.00	3,555	202.85	0.00
37.70	0.00	3,554	202.85	0.00
37.80	0.00	3,552	202.85	0.00
37.90	0.00	3,550	202.85	0.00
38.00	0.00	3,549	202.85	0.00
38.10	0.00	3,547	202.85	0.00
38.20	0.00	3,545	202.85	0.00
38.30	0.00	3,544	202.85	0.00
38.40	0.00	3,542	202.85	0.00
38.50	0.00	3,541	202.85	0.00
38.60	0.00	3,539	202.85	0.00
38.70	0.00	3,538	202.84	0.00
38.80	0.00	3,536	202.84	0.00
38.90	0.00	3,535	202.84	0.00
39.00	0.00	3,534	202.84	0.00
39.10	0.00	3,532	202.84	0.00
39.20	0.00	3,531	202.84	0.00
39.30	0.00	3,530	202.84	0.00
39.40	0.00	3,528	202.84	0.00
39.50	0.00	3,527	202.84	0.00
39.60	0.00	3,526	202.84	0.00
39.70	0.00	3,524	202.84	0.00
39.80	0.00	3,523	202.84	0.00
39.90	0.00	3,522	202.84	0.00
40.00	0.00	3,521	202.84	0.00

Stage-Discharge for Pond B-57: Basin #57

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
202.00	0.00	202.52	0.00	203.04	0.06	203.56	1.84
202.01	0.00	202.53	0.00	203.05	0.06	203.57	1.94
202.02	0.00	202.54	0.00	203.06	0.06	203.58	2.05
202.03	0.00	202.55	0.00	203.07	0.07	203.59	2.15
202.04	0.00	202.56	0.00	203.08	0.07	203.60	2.25
202.05	0.00	202.57	0.00	203.09	0.07	203.61	2.36
202.06	0.00	202.58	0.00	203.10	0.07	203.62	2.47
202.07	0.00	202.59	0.00	203.11	0.07	203.63	2.58
202.08	0.00	202.60	0.00	203.12	0.08	203.64	2.69
202.09	0.00	202.61	0.00	203.13	0.08	203.65	2.80
202.10	0.00	202.62	0.00	203.14	0.08	203.66	2.92
202.11	0.00	202.63	0.00	203.15	0.08	203.67	3.03
202.12	0.00	202.64	0.00	203.16	0.08	203.68	3.15
202.13	0.00	202.65	0.00	203.17	0.08	203.69	3.27
202.14	0.00	202.66	0.00	203.18	0.09	203.70	3.39
202.15	0.00	202.67	0.00	203.19	0.09	203.71	3.51
202.16	0.00	202.68	0.00	203.20	0.09	203.72	3.63
202.17	0.00	202.69	0.00	203.21	0.09	203.73	3.76
202.18	0.00	202.70	0.00	203.22	0.09	203.74	3.88
202.19	0.00	202.71	0.00	203.23	0.09	203.75	4.01
202.20	0.00	202.72	0.00	203.24	0.10	203.76	4.14
202.21	0.00	202.73	0.00	203.25	0.10	203.77	4.27
202.22	0.00	202.74	0.00	203.26	0.10	203.78	4.40
202.23	0.00	202.75	0.00	203.27	0.10	203.79	4.53
202.24	0.00	202.76	0.00	203.28	0.10	203.80	4.66
202.25	0.00	202.77	0.00	203.29	0.10	203.81	4.80
202.26	0.00	202.78	0.00	203.30	0.10	203.82	4.93
202.27	0.00	202.79	0.00	203.31	0.12	203.83	5.07
202.28	0.00	202.80	0.00	203.32	0.14	203.84	5.21
202.29	0.00	202.81	0.00	203.33	0.17	203.85	5.35
202.30	0.00	202.82	0.00	203.34	0.21	203.86	5.49
202.31	0.00	202.83	0.00	203.35	0.26	203.87	5.63
202.32	0.00	202.84	0.00	203.36	0.30	203.88	5.77
202.33	0.00	202.85	0.00	203.37	0.35	203.89	5.92
202.34	0.00	202.86	0.01	203.38	0.41	203.90	6.06
202.35	0.00	202.87	0.01	203.39	0.47	203.91	6.21
202.36	0.00	202.88	0.01	203.40	0.53	203.92	6.35
202.37	0.00	202.89	0.01	203.41	0.59	203.93	6.50
202.38	0.00	202.90	0.02	203.42	0.66	203.94	6.65
202.39	0.00	202.91	0.02	203.43	0.73	203.95	6.80
202.40	0.00	202.92	0.02	203.44	0.80	203.96	6.95
202.41	0.00	202.93	0.03	203.45	0.88	203.97	7.10
202.42	0.00	202.94	0.03	203.46	0.95	203.98	7.26
202.43	0.00	202.95	0.03	203.47	1.03	203.99	7.41
202.44	0.00	202.96	0.04	203.48	1.11	204.00	7.56
202.45	0.00	202.97	0.04	203.49	1.20	204.01	7.72
202.46	0.00	202.98	0.05	203.50	1.28	204.02	7.88
202.47	0.00	202.99	0.05	203.51	1.37	204.03	8.03
202.48	0.00	203.00	0.05	203.52	1.46	204.04	8.19
202.49	0.00	203.01	0.05	203.53	1.56	204.05	8.35
202.50	0.00	203.02	0.06	203.54	1.65	204.06	8.51
202.51	0.00	203.03	0.06	203.55	1.75	204.07	8.67

Stage-Discharge for Pond B-57: Basin #57 (continued)

Elevation (feet)	Primary (cfs)
204.08	8.84
204.09	9.00
204.10	9.16
204.11	9.33
204.12	9.50
204.13	9.66
204.14	9.83
204.15	10.00
204.16	10.17
204.17	10.34
204.18	10.51
204.19	10.68
204.20	10.85
204.21	11.03
204.22	11.20
204.23	11.37
204.24	11.55
204.25	11.73
204.26	12.02
204.27	12.41
204.28	12.87
204.29	13.38
204.30	13.93
204.31	14.53
204.32	15.16
204.33	15.82
204.34	16.52
204.35	17.25
204.36	18.01
204.37	18.79
204.38	19.61
204.39	20.44
204.40	21.31
204.41	22.19
204.42	23.11
204.43	24.04
204.44	24.99
204.45	25.97
204.46	27.01
204.47	28.07
204.48	29.16
204.49	30.28
204.50	31.42
204.51	32.59
204.52	33.78
204.53	35.00
204.54	36.25
204.55	37.52
204.56	38.81
204.57	40.13
204.58	41.47
204.59	42.84
204.60	44.24
204.61	45.66
204.62	47.10
204.63	48.57
204.64	50.06
204.65	51.58
204.66	53.15
204.67	54.74
204.68	56.37
204.69	58.01
204.70	59.69
204.71	61.39
204.72	63.12
204.73	64.88
204.74	66.66
204.75	68.47
204.76	70.31
204.77	72.17
204.78	74.06
204.79	75.98
204.80	77.93
204.81	79.90
204.82	81.90
204.83	83.93
204.84	85.98
204.85	88.06
204.86	89.90
204.87	91.76
204.88	93.63
204.89	95.51
204.90	97.40
204.91	99.31
204.92	101.24
204.93	103.17
204.94	105.12
204.95	107.09
204.96	109.07
204.97	111.06
204.98	113.06
204.99	115.07
205.00	**117.10**

Stage-Area-Storage for Pond B-57: Basin #57

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
202.00	3,969	0	202.52	4,239	2,134
202.01	3,974	40	202.53	4,244	2,176
202.02	3,979	79	202.54	4,249	2,219
202.03	3,985	119	202.55	4,254	2,261
202.04	3,990	159	202.56	4,260	2,304
202.05	3,995	199	202.57	4,265	2,347
202.06	4,000	239	202.58	4,270	2,389
202.07	4,005	279	202.59	4,275	2,432
202.08	4,011	319	202.60	4,280	2,475
202.09	4,016	359	202.61	4,286	2,518
202.10	4,021	399	202.62	4,291	2,561
202.11	4,026	440	202.63	4,296	2,603
202.12	4,031	480	202.64	4,301	2,646
202.13	4,036	520	202.65	4,306	2,689
202.14	4,042	561	202.66	4,312	2,733
202.15	4,047	601	202.67	4,317	2,776
202.16	4,052	642	202.68	4,322	2,819
202.17	4,057	682	202.69	4,327	2,862
202.18	4,062	723	202.70	4,332	2,905
202.19	4,068	763	202.71	4,337	2,949
202.20	4,073	804	202.72	4,343	2,992
202.21	4,078	845	202.73	4,348	3,036
202.22	4,083	886	202.74	4,353	3,079
202.23	4,088	927	202.75	4,358	3,123
202.24	4,094	968	202.76	4,363	3,166
202.25	4,099	1,008	202.77	4,369	3,210
202.26	4,104	1,049	202.78	4,374	3,254
202.27	4,109	1,091	202.79	4,379	3,297
202.28	4,114	1,132	202.80	4,384	3,341
202.29	4,120	1,173	202.81	4,389	3,385
202.30	4,125	1,214	202.82	4,395	3,429
202.31	4,130	1,255	202.83	4,400	3,473
202.32	4,135	1,297	202.84	4,405	3,517
202.33	4,140	1,338	202.85	4,410	3,561
202.34	4,145	1,379	202.86	4,415	3,605
202.35	4,151	1,421	202.87	4,421	3,649
202.36	4,156	1,462	202.88	4,426	3,694
202.37	4,161	1,504	202.89	4,431	3,738
202.38	4,166	1,546	202.90	4,436	3,782
202.39	4,171	1,587	202.91	4,441	3,827
202.40	4,177	1,629	202.92	4,446	3,871
202.41	4,182	1,671	202.93	4,452	3,916
202.42	4,187	1,713	202.94	4,457	3,960
202.43	4,192	1,755	202.95	4,462	4,005
202.44	4,197	1,797	202.96	4,467	4,049
202.45	4,203	1,839	202.97	4,472	4,094
202.46	4,208	1,881	202.98	4,478	4,139
202.47	4,213	1,923	202.99	4,483	4,184
202.48	4,218	1,965	203.00	4,488	4,229
202.49	4,223	2,007	203.01	4,493	4,273
202.50	4,229	2,049	203.02	4,499	4,318
202.51	4,234	2,092	203.03	4,504	4,363

Stage-Area-Storage for Pond B-57: Basin #57 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
203.04	4,510	4,408
203.05	4,515	4,454
203.06	4,521	4,499
203.07	4,526	4,544
203.08	4,532	4,589
203.09	4,537	4,635
203.10	4,543	4,680
203.11	4,548	4,725
203.12	4,554	4,771
203.13	4,559	4,817
203.14	4,564	4,862
203.15	4,570	4,908
203.16	4,575	4,954
203.17	4,581	4,999
203.18	4,586	5,045
203.19	4,592	5,091
203.20	4,597	5,137
203.21	4,603	5,183
203.22	4,608	5,229
203.23	4,614	5,275
203.24	4,619	5,321
203.25	4,625	5,368
203.26	4,630	5,414
203.27	4,635	5,460
203.28	4,641	5,507
203.29	4,646	5,553
203.30	4,652	5,599
203.31	4,657	5,646
203.32	4,663	5,693
203.33	4,668	5,739
203.34	4,674	5,786
203.35	4,679	5,833
203.36	4,685	5,880
203.37	4,690	5,926
203.38	4,695	5,973
203.39	4,701	6,020
203.40	4,706	6,067
203.41	4,712	6,114
203.42	4,717	6,162
203.43	4,723	6,209
203.44	4,728	6,256
203.45	4,734	6,303
203.46	4,739	6,351
203.47	4,745	6,398
203.48	4,750	6,446
203.49	4,756	6,493
203.50	4,761	6,541
203.51	4,766	6,588
203.52	4,772	6,636
203.53	4,777	6,684
203.54	4,783	6,732
203.55	4,788	6,779
203.56	4,794	6,827
203.57	4,799	6,875
203.58	4,805	6,923
203.59	4,810	6,971
203.60	4,816	7,020
203.61	4,821	7,068
203.62	4,827	7,116
203.63	4,832	7,164
203.64	4,837	7,213
203.65	4,843	7,261
203.66	4,848	7,309
203.67	4,854	7,358
203.68	4,859	7,407
203.69	4,865	7,455
203.70	4,870	7,504
203.71	4,876	7,553
203.72	4,881	7,601
203.73	4,887	7,650
203.74	4,892	7,699
203.75	4,898	7,748
203.76	4,903	7,797
203.77	4,908	7,846
203.78	4,914	7,895
203.79	4,919	7,944
203.80	4,925	7,994
203.81	4,930	8,043
203.82	4,936	8,092
203.83	4,941	8,142
203.84	4,947	8,191
203.85	4,952	8,241
203.86	4,958	8,290
203.87	4,963	8,340
203.88	4,968	8,389
203.89	4,974	8,439
203.90	4,979	8,489
203.91	4,985	8,539
203.92	4,990	8,589
203.93	4,996	8,638
203.94	5,001	8,688
203.95	5,007	8,738
203.96	5,012	8,789
203.97	5,018	8,839
203.98	5,023	8,889
203.99	5,029	8,939
204.00	5,034	8,990
204.01	5,045	9,040
204.02	5,057	9,090
204.03	5,068	9,141
204.04	5,080	9,192
204.05	5,091	9,243
204.06	5,103	9,294
204.07	5,114	9,345

Stage-Area-Storage for Pond B-57: Basin #57 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
204.08	5,126	9,396
204.09	5,137	9,447
204.10	5,149	9,499
204.11	5,160	9,550
204.12	5,172	9,602
204.13	5,183	9,654
204.14	5,195	9,706
204.15	5,206	9,758
204.16	5,218	9,810
204.17	5,229	9,862
204.18	5,241	9,914
204.19	5,252	9,967
204.20	5,264	10,019
204.21	5,275	10,072
204.22	5,287	10,125
204.23	5,298	10,178
204.24	5,310	10,231
204.25	5,321	10,284
204.26	5,332	10,337
204.27	5,344	10,391
204.28	5,355	10,444
204.29	5,367	10,498
204.30	5,378	10,551
204.31	5,390	10,605
204.32	5,401	10,659
204.33	5,413	10,713
204.34	5,424	10,767
204.35	5,436	10,822
204.36	5,447	10,876
204.37	5,459	10,931
204.38	5,470	10,985
204.39	5,482	11,040
204.40	5,493	11,095
204.41	5,505	11,150
204.42	5,516	11,205
204.43	5,528	11,260
204.44	5,539	11,316
204.45	5,551	11,371
204.46	5,562	11,427
204.47	5,574	11,482
204.48	5,585	11,538
204.49	5,597	11,594
204.50	**5,608**	**11,650**
204.51	5,608	11,650
204.52	5,608	11,650
204.53	5,608	11,650
204.54	5,608	11,650
204.55	5,608	11,650
204.56	5,608	11,650
204.57	5,608	11,650
204.58	5,608	11,650
204.59	5,608	11,650
204.60	5,608	11,650
204.61	5,608	11,650
204.62	5,608	11,650
204.63	5,608	11,650
204.64	5,608	11,650
204.65	5,608	11,650
204.66	5,608	11,650
204.67	5,608	11,650
204.68	5,608	11,650
204.69	5,608	11,650
204.70	5,608	11,650
204.71	5,608	11,650
204.72	5,608	11,650
204.73	5,608	11,650
204.74	5,608	11,650
204.75	5,608	11,650
204.76	5,608	11,650
204.77	5,608	11,650
204.78	5,608	11,650
204.79	5,608	11,650
204.80	5,608	11,650
204.81	5,608	11,650
204.82	5,608	11,650
204.83	5,608	11,650
204.84	5,608	11,650
204.85	5,608	11,650
204.86	5,608	11,650
204.87	5,608	11,650
204.88	5,608	11,650
204.89	5,608	11,650
204.90	5,608	11,650
204.91	5,608	11,650
204.92	5,608	11,650
204.93	5,608	11,650
204.94	5,608	11,650
204.95	5,608	11,650
204.96	5,608	11,650
204.97	5,608	11,650
204.98	5,608	11,650
204.99	5,608	11,650
205.00	5,608	11,650

Summary for Pond B-58: Basin #58

Inflow Area = 3.083 ac, 36.46% Impervious, Inflow Depth > 1.95" for Future 2 yr event
Inflow = 3.39 cfs @ 12.25 hrs, Volume= 0.501 af
Outflow = 1.98 cfs @ 12.54 hrs, Volume= 0.429 af, Atten= 42%, Lag= 17.7 min
Primary = 1.98 cfs @ 12.54 hrs, Volume= 0.429 af
Routed to Link PDA-6ON : Proposed Onsite Drainage Area #6

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 199.69' @ 12.54 hrs Surf.Area= 9,090 sf Storage= 6,260 cf

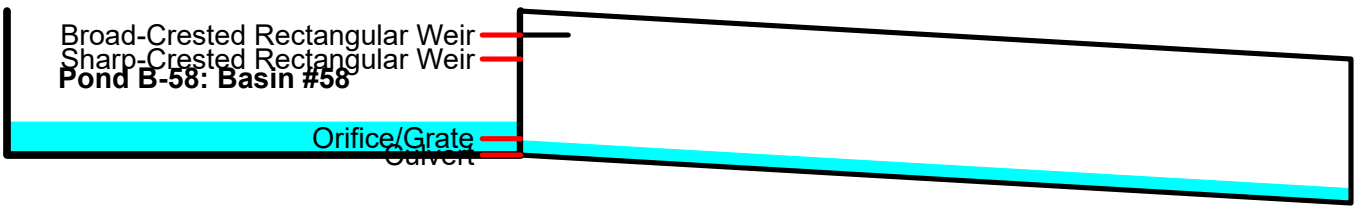
Plug-Flow detention time= 188.9 min calculated for 0.429 af (86% of inflow)
Center-of-Mass det. time= 91.5 min (1,001.4 - 909.8)

Volume	Invert	Avail.Storage	Storage Description
#1	199.00'	27,270 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

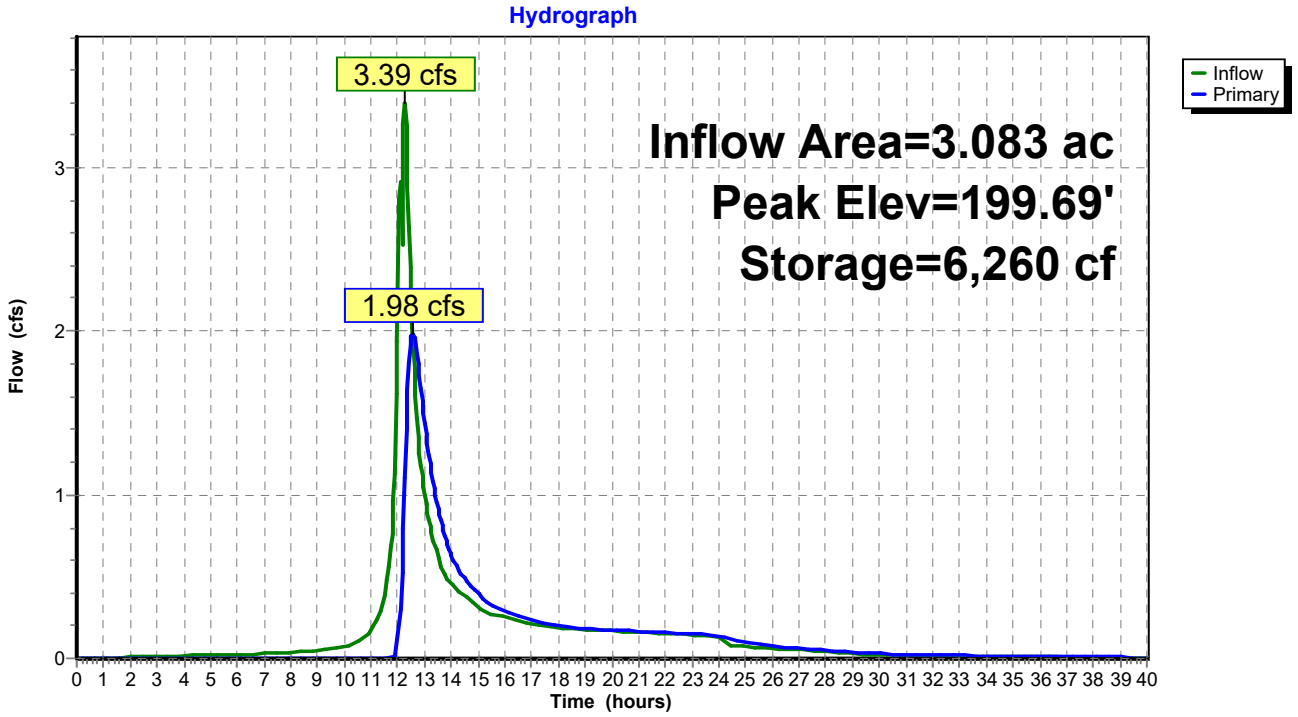
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
199.00	9,090	0	0
200.00	9,090	9,090	9,090
201.00	9,090	9,090	18,180
202.00	9,090	9,090	27,270

Device	Routing	Invert	Outlet Devices
#1	Primary	199.00'	**36.0" Round Culvert** L= 87.0' Ke= 0.500 Inlet / Outlet Invert= 199.00' / 198.00' S= 0.0115 '/' Cc= 0.900 n= 0.013, Flow Area= 7.07 sf
#2	Device 1	199.34'	**36.0" W x 6.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	201.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	201.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=1.98 cfs @ 12.54 hrs HW=199.69' (Free Discharge)
- **1=Culvert** (Passes 1.98 cfs of 3.46 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 1.98 cfs @ 1.89 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-58: Basin #58



Hydrograph for Pond B-58: Basin #58

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	199.00	0.00
0.10	0.00	0	199.00	0.00
0.20	0.00	0	199.00	0.00
0.30	0.00	0	199.00	0.00
0.40	0.00	0	199.00	0.00
0.50	0.00	0	199.00	0.00
0.60	0.00	0	199.00	0.00
0.70	0.00	0	199.00	0.00
0.80	0.00	0	199.00	0.00
0.90	0.00	0	199.00	0.00
1.00	0.00	0	199.00	0.00
1.10	0.00	0	199.00	0.00
1.20	0.00	1	199.00	0.00
1.30	0.00	1	199.00	0.00
1.40	0.00	2	199.00	0.00
1.50	0.00	4	199.00	0.00
1.60	0.00	5	199.00	0.00
1.70	0.01	7	199.00	0.00
1.80	0.01	9	199.00	0.00
1.90	0.01	11	199.00	0.00
2.00	0.01	13	199.00	0.00
2.10	0.01	16	199.00	0.00
2.20	0.01	19	199.00	0.00
2.30	0.01	22	199.00	0.00
2.40	0.01	25	199.00	0.00
2.50	0.01	28	199.00	0.00
2.60	0.01	32	199.00	0.00
2.70	0.01	35	199.00	0.00
2.80	0.01	39	199.00	0.00
2.90	0.01	43	199.00	0.00
3.00	0.01	48	199.01	0.00
3.10	0.01	52	199.01	0.00
3.20	0.01	57	199.01	0.00
3.30	0.01	61	199.01	0.00
3.40	0.01	66	199.01	0.00
3.50	0.01	71	199.01	0.00
3.60	0.01	76	199.01	0.00
3.70	0.01	82	199.01	0.00
3.80	0.02	87	199.01	0.00
3.90	0.02	93	199.01	0.00
4.00	0.02	98	199.01	0.00
4.10	0.02	104	199.01	0.00
4.20	0.02	110	199.01	0.00
4.30	0.02	116	199.01	0.00
4.40	0.02	123	199.01	0.00
4.50	0.02	129	199.01	0.00
4.60	0.02	135	199.01	0.00
4.70	0.02	142	199.02	0.00
4.80	0.02	149	199.02	0.00
4.90	0.02	156	199.02	0.00
5.00	0.02	162	199.02	0.00
5.10	0.02	170	199.02	0.00

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.02	177	199.02	0.00
5.30	0.02	184	199.02	0.00
5.40	0.02	191	199.02	0.00
5.50	0.02	199	199.02	0.00
5.60	0.02	206	199.02	0.00
5.70	0.02	214	199.02	0.00
5.80	0.02	222	199.02	0.00
5.90	0.02	230	199.03	0.00
6.00	0.02	238	199.03	0.00
6.10	0.02	246	199.03	0.00
6.20	0.02	255	199.03	0.00
6.30	0.02	263	199.03	0.00
6.40	0.03	272	199.03	0.00
6.50	0.03	282	199.03	0.00
6.60	0.03	291	199.03	0.00
6.70	0.03	301	199.03	0.00
6.80	0.03	311	199.03	0.00
6.90	0.03	321	199.04	0.00
7.00	0.03	332	199.04	0.00
7.10	0.03	343	199.04	0.00
7.20	0.03	354	199.04	0.00
7.30	0.03	365	199.04	0.00
7.40	0.03	377	199.04	0.00
7.50	0.03	389	199.04	0.00
7.60	0.03	401	199.04	0.00
7.70	0.03	413	199.05	0.00
7.80	0.04	426	199.05	0.00
7.90	0.04	439	199.05	0.00
8.00	0.04	452	199.05	0.00
8.10	0.04	465	199.05	0.00
8.20	0.04	479	199.05	0.00
8.30	0.04	493	199.05	0.00
8.40	0.04	507	199.06	0.00
8.50	0.04	522	199.06	0.00
8.60	0.04	537	199.06	0.00
8.70	0.04	552	199.06	0.00
8.80	0.04	567	199.06	0.00
8.90	0.04	583	199.06	0.00
9.00	0.04	599	199.07	0.00
9.10	0.05	615	199.07	0.00
9.20	0.05	633	199.07	0.00
9.30	0.05	651	199.07	0.00
9.40	0.05	671	199.07	0.00
9.50	0.06	691	199.08	0.00
9.60	0.06	712	199.08	0.00
9.70	0.06	734	199.08	0.00
9.80	0.06	757	199.08	0.00
9.90	0.07	781	199.09	0.00
10.00	0.07	806	199.09	0.00
10.10	0.07	832	199.09	0.00
10.20	0.08	859	199.09	0.00
10.30	0.08	887	199.10	0.00

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.08	917	199.10	0.00
10.50	0.09	949	199.10	0.00
10.60	0.10	984	199.11	0.00
10.70	0.12	1,024	199.11	0.00
10.80	0.13	1,069	199.12	0.00
10.90	0.15	1,119	199.12	0.00
11.00	0.16	1,175	199.13	0.00
11.10	0.19	1,239	199.14	0.00
11.20	0.22	1,313	199.14	0.00
11.30	0.25	1,398	199.15	0.00
11.40	0.28	1,494	199.16	0.00
11.50	0.33	1,603	199.18	0.00
11.60	0.46	1,753	199.19	0.00
11.70	0.55	1,934	199.21	0.00
11.80	0.76	2,176	199.24	0.00
11.90	1.12	2,518	199.28	0.00
12.00	1.94	3,084	199.34	0.00
12.10	2.91	3,981	199.44	0.30
12.20	**3.26**	4,799	199.53	0.79
12.30	**3.25**	5,601	199.62	1.40
12.40	2.63	6,068	199.67	1.81
12.50	2.18	**6,246**	**199.69**	**1.97**
12.60	1.77	**6,237**	**199.69**	**1.96**
12.70	1.47	6,129	199.67	1.86
12.80	1.26	5,971	199.66	1.72
12.90	1.11	5,803	199.64	1.57
13.00	1.00	5,640	199.62	1.43
13.10	0.89	5,487	199.60	1.30
13.20	0.81	5,343	199.59	1.19
13.30	0.74	5,210	199.57	1.09
13.40	0.68	5,090	199.56	1.00
13.50	0.62	4,980	199.55	0.91
13.60	0.57	4,878	199.54	0.84
13.70	0.53	4,784	199.53	0.78
13.80	0.49	4,699	199.52	0.72
13.90	0.47	4,624	199.51	0.67
14.00	0.46	4,558	199.50	0.63
14.10	0.44	4,500	199.50	0.59
14.20	0.42	4,449	199.49	0.56
14.30	0.41	4,403	199.48	0.53
14.40	0.39	4,362	199.48	0.50
14.50	0.38	4,324	199.48	0.48
14.60	0.37	4,288	199.47	0.46
14.70	0.35	4,254	199.47	0.44
14.80	0.34	4,222	199.46	0.43
14.90	0.32	4,191	199.46	0.41
15.00	0.31	4,161	199.46	0.39
15.10	0.30	4,133	199.45	0.38
15.20	0.29	4,105	199.45	0.36
15.30	0.28	4,080	199.45	0.35
15.40	0.27	4,056	199.45	0.33
15.50	0.27	4,035	199.44	0.32

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.26	4,015	199.44	0.31
15.70	0.26	3,998	199.44	0.31
15.80	0.26	3,982	199.44	0.30
15.90	0.25	3,967	199.44	0.29
16.00	0.25	3,954	199.43	0.28
16.10	0.24	3,941	199.43	0.28
16.20	0.24	3,929	199.43	0.27
16.30	0.24	3,918	199.43	0.27
16.40	0.23	3,907	199.43	0.26
16.50	0.23	3,897	199.43	0.26
16.60	0.23	3,887	199.43	0.25
16.70	0.22	3,878	199.43	0.25
16.80	0.22	3,868	199.43	0.24
16.90	0.21	3,860	199.42	0.24
17.00	0.21	3,851	199.42	0.23
17.10	0.21	3,842	199.42	0.23
17.20	0.20	3,834	199.42	0.23
17.30	0.20	3,826	199.42	0.22
17.40	0.20	3,818	199.42	0.22
17.50	0.20	3,811	199.42	0.22
17.60	0.19	3,805	199.42	0.21
17.70	0.19	3,798	199.42	0.21
17.80	0.19	3,792	199.42	0.21
17.90	0.19	3,785	199.42	0.20
18.00	0.19	3,779	199.42	0.20
18.10	0.18	3,773	199.42	0.20
18.20	0.18	3,767	199.41	0.20
18.30	0.18	3,762	199.41	0.20
18.40	0.18	3,757	199.41	0.19
18.50	0.18	3,752	199.41	0.19
18.60	0.18	3,748	199.41	0.19
18.70	0.18	3,744	199.41	0.19
18.80	0.18	3,740	199.41	0.19
18.90	0.18	3,737	199.41	0.19
19.00	0.18	3,734	199.41	0.18
19.10	0.17	3,731	199.41	0.18
19.20	0.17	3,728	199.41	0.18
19.30	0.17	3,725	199.41	0.18
19.40	0.17	3,723	199.41	0.18
19.50	0.17	3,720	199.41	0.18
19.60	0.17	3,718	199.41	0.18
19.70	0.17	3,715	199.41	0.18
19.80	0.17	3,713	199.41	0.18
19.90	0.17	3,711	199.41	0.17
20.00	0.17	3,709	199.41	0.17
20.10	0.17	3,706	199.41	0.17
20.20	0.17	3,704	199.41	0.17
20.30	0.17	3,702	199.41	0.17
20.40	0.16	3,700	199.41	0.17
20.50	0.16	3,698	199.41	0.17
20.60	0.16	3,696	199.41	0.17
20.70	0.16	3,694	199.41	0.17

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.16	3,692	199.41	0.17
20.90	0.16	3,690	199.41	0.17
21.00	0.16	3,688	199.41	0.17
21.10	0.16	3,686	199.41	0.16
21.20	0.16	3,684	199.41	0.16
21.30	0.16	3,682	199.41	0.16
21.40	0.16	3,680	199.40	0.16
21.50	0.16	3,678	199.40	0.16
21.60	0.15	3,675	199.40	0.16
21.70	0.15	3,673	199.40	0.16
21.80	0.15	3,671	199.40	0.16
21.90	0.15	3,669	199.40	0.16
22.00	0.15	3,667	199.40	0.16
22.10	0.15	3,665	199.40	0.16
22.20	0.15	3,663	199.40	0.16
22.30	0.15	3,661	199.40	0.15
22.40	0.15	3,659	199.40	0.15
22.50	0.15	3,657	199.40	0.15
22.60	0.15	3,655	199.40	0.15
22.70	0.15	3,653	199.40	0.15
22.80	0.14	3,651	199.40	0.15
22.90	0.14	3,649	199.40	0.15
23.00	0.14	3,646	199.40	0.15
23.10	0.14	3,644	199.40	0.15
23.20	0.14	3,642	199.40	0.15
23.30	0.14	3,640	199.40	0.15
23.40	0.14	3,638	199.40	0.15
23.50	0.14	3,636	199.40	0.14
23.60	0.14	3,633	199.40	0.14
23.70	0.14	3,631	199.40	0.14
23.80	0.14	3,629	199.40	0.14
23.90	0.14	3,627	199.40	0.14
24.00	0.14	3,626	199.40	0.14
24.10	0.12	3,620	199.40	0.14
24.20	0.10	3,609	199.40	0.13
24.30	0.08	3,595	199.40	0.13
24.40	0.08	3,579	199.39	0.12
24.50	0.08	3,565	199.39	0.12
24.60	0.08	3,552	199.39	0.11
24.70	0.07	3,540	199.39	0.11
24.80	0.07	3,529	199.39	0.10
24.90	0.07	3,519	199.39	0.10
25.00	0.07	3,509	199.39	0.10
25.10	0.07	3,500	199.39	0.09
25.20	0.07	3,491	199.38	0.09
25.30	0.07	3,483	199.38	0.09
25.40	0.07	3,476	199.38	0.09
25.50	0.07	3,469	199.38	0.09
25.60	0.06	3,462	199.38	0.08
25.70	0.06	3,455	199.38	0.08
25.80	0.06	3,449	199.38	0.08
25.90	0.06	3,443	199.38	0.08

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.06	3,438	199.38	0.08
26.10	0.06	3,432	199.38	0.07
26.20	0.06	3,427	199.38	0.07
26.30	0.06	3,422	199.38	0.07
26.40	0.06	3,417	199.38	0.07
26.50	0.06	3,412	199.38	0.07
26.60	0.05	3,407	199.37	0.07
26.70	0.05	3,403	199.37	0.07
26.80	0.05	3,398	199.37	0.06
26.90	0.05	3,394	199.37	0.06
27.00	0.05	3,390	199.37	0.06
27.10	0.05	3,385	199.37	0.06
27.20	0.05	3,381	199.37	0.06
27.30	0.05	3,377	199.37	0.06
27.40	0.05	3,373	199.37	0.06
27.50	0.04	3,369	199.37	0.06
27.60	0.04	3,364	199.37	0.05
27.70	0.04	3,360	199.37	0.05
27.80	0.04	3,356	199.37	0.05
27.90	0.04	3,352	199.37	0.05
28.00	0.04	3,348	199.37	0.05
28.10	0.04	3,344	199.37	0.05
28.20	0.04	3,340	199.37	0.05
28.30	0.04	3,336	199.37	0.05
28.40	0.03	3,332	199.37	0.04
28.50	0.03	3,328	199.37	0.04
28.60	0.03	3,325	199.37	0.04
28.70	0.03	3,321	199.37	0.04
28.80	0.03	3,317	199.36	0.04
28.90	0.03	3,314	199.36	0.04
29.00	0.03	3,310	199.36	0.04
29.10	0.03	3,307	199.36	0.04
29.20	0.03	3,303	199.36	0.04
29.30	0.03	3,300	199.36	0.04
29.40	0.03	3,297	199.36	0.03
29.50	0.02	3,294	199.36	0.03
29.60	0.02	3,291	199.36	0.03
29.70	0.02	3,288	199.36	0.03
29.80	0.02	3,285	199.36	0.03
29.90	0.02	3,282	199.36	0.03
30.00	0.02	3,279	199.36	0.03
30.10	0.02	3,277	199.36	0.03
30.20	0.02	3,274	199.36	0.03
30.30	0.02	3,272	199.36	0.03
30.40	0.02	3,269	199.36	0.03
30.50	0.02	3,266	199.36	0.03
30.60	0.02	3,264	199.36	0.03
30.70	0.02	3,261	199.36	0.03
30.80	0.02	3,258	199.36	0.03
30.90	0.02	3,256	199.36	0.02
31.00	0.02	3,253	199.36	0.02
31.10	0.02	3,250	199.36	0.02

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.02	3,248	199.36	0.02
31.30	0.02	3,245	199.36	0.02
31.40	0.02	3,242	199.36	0.02
31.50	0.01	3,240	199.36	0.02
31.60	0.01	3,237	199.36	0.02
31.70	0.01	3,234	199.36	0.02
31.80	0.01	3,232	199.36	0.02
31.90	0.01	3,229	199.36	0.02
32.00	0.01	3,227	199.35	0.02
32.10	0.01	3,224	199.35	0.02
32.20	0.01	3,222	199.35	0.02
32.30	0.01	3,219	199.35	0.02
32.40	0.01	3,217	199.35	0.02
32.50	0.01	3,214	199.35	0.02
32.60	0.01	3,212	199.35	0.02
32.70	0.01	3,210	199.35	0.02
32.80	0.01	3,207	199.35	0.02
32.90	0.01	3,205	199.35	0.02
33.00	0.01	3,203	199.35	0.02
33.10	0.01	3,201	199.35	0.02
33.20	0.01	3,198	199.35	0.02
33.30	0.01	3,196	199.35	0.02
33.40	0.01	3,194	199.35	0.02
33.50	0.01	3,192	199.35	0.02
33.60	0.01	3,190	199.35	0.01
33.70	0.01	3,188	199.35	0.01
33.80	0.01	3,186	199.35	0.01
33.90	0.01	3,184	199.35	0.01
34.00	0.01	3,182	199.35	0.01
34.10	0.01	3,181	199.35	0.01
34.20	0.01	3,179	199.35	0.01
34.30	0.01	3,177	199.35	0.01
34.40	0.01	3,175	199.35	0.01
34.50	0.01	3,174	199.35	0.01
34.60	0.01	3,172	199.35	0.01
34.70	0.01	3,171	199.35	0.01
34.80	0.01	3,169	199.35	0.01
34.90	0.01	3,168	199.35	0.01
35.00	0.01	3,166	199.35	0.01
35.10	0.01	3,165	199.35	0.01
35.20	0.01	3,163	199.35	0.01
35.30	0.01	3,162	199.35	0.01
35.40	0.01	3,161	199.35	0.01
35.50	0.01	3,159	199.35	0.01
35.60	0.01	3,158	199.35	0.01
35.70	0.01	3,157	199.35	0.01
35.80	0.01	3,156	199.35	0.01
35.90	0.01	3,155	199.35	0.01
36.00	0.01	3,153	199.35	0.01
36.10	0.01	3,152	199.35	0.01
36.20	0.01	3,151	199.35	0.01
36.30	0.01	3,150	199.35	0.01

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.01	3,149	199.35	0.01
36.50	0.01	3,148	199.35	0.01
36.60	0.01	3,147	199.35	0.01
36.70	0.01	3,146	199.35	0.01
36.80	0.01	3,145	199.35	0.01
36.90	0.01	3,144	199.35	0.01
37.00	0.01	3,143	199.35	0.01
37.10	0.01	3,142	199.35	0.01
37.20	0.01	3,141	199.35	0.01
37.30	0.01	3,141	199.35	0.01
37.40	0.00	3,140	199.35	0.01
37.50	0.00	3,139	199.35	0.01
37.60	0.00	3,138	199.35	0.01
37.70	0.00	3,137	199.35	0.01
37.80	0.00	3,136	199.35	0.01
37.90	0.00	3,136	199.34	0.01
38.00	0.00	3,135	199.34	0.01
38.10	0.00	3,134	199.34	0.01
38.20	0.00	3,133	199.34	0.01
38.30	0.00	3,133	199.34	0.01
38.40	0.00	3,132	199.34	0.01
38.50	0.00	3,131	199.34	0.01
38.60	0.00	3,131	199.34	0.01
38.70	0.00	3,130	199.34	0.01
38.80	0.00	3,129	199.34	0.01
38.90	0.00	3,129	199.34	0.01
39.00	0.00	3,128	199.34	0.01
39.10	0.00	3,127	199.34	0.01
39.20	0.00	3,127	199.34	0.01
39.30	0.00	3,126	199.34	0.01
39.40	0.00	3,126	199.34	0.01
39.50	0.00	3,125	199.34	0.01
39.60	0.00	3,124	199.34	0.01
39.70	0.00	3,124	199.34	0.00
39.80	0.00	3,123	199.34	0.00
39.90	0.00	3,123	199.34	0.00
40.00	0.00	3,122	199.34	0.00

Stage-Discharge for Pond B-58: Basin #58

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
199.00	0.00	199.52	0.74	200.04	4.78	200.56	7.09
199.01	0.00	199.53	0.80	200.05	4.83	200.57	7.13
199.02	0.00	199.54	0.86	200.06	4.89	200.58	7.17
199.03	0.00	199.55	0.93	200.07	4.94	200.59	7.20
199.04	0.00	199.56	0.99	200.08	5.00	200.60	7.24
199.05	0.00	199.57	1.06	200.09	5.05	200.61	7.28
199.06	0.00	199.58	1.13	200.10	5.10	200.62	7.31
199.07	0.00	199.59	1.20	200.11	5.16	200.63	7.35
199.08	0.00	199.60	1.28	200.12	5.21	200.64	7.38
199.09	0.00	199.61	1.35	200.13	5.26	200.65	7.42
199.10	0.00	199.62	1.43	200.14	5.31	200.66	7.45
199.11	0.00	199.63	1.50	200.15	5.36	200.67	7.49
199.12	0.00	199.64	1.58	200.16	5.41	200.68	7.52
199.13	0.00	199.65	1.66	200.17	5.46	200.69	7.56
199.14	0.00	199.66	1.74	200.18	5.50	200.70	7.59
199.15	0.00	199.67	1.83	200.19	5.55	200.71	7.63
199.16	0.00	199.68	1.91	200.20	5.60	200.72	7.66
199.17	0.00	199.69	1.99	200.21	5.65	200.73	7.70
199.18	0.00	199.70	2.08	200.22	5.69	200.74	7.73
199.19	0.00	199.71	2.17	200.23	5.74	200.75	7.76
199.20	0.00	199.72	2.26	200.24	5.79	200.76	7.80
199.21	0.00	199.73	2.35	200.25	5.83	200.77	7.83
199.22	0.00	199.74	2.44	200.26	5.88	200.78	7.86
199.23	0.00	199.75	2.53	200.27	5.92	200.79	7.90
199.24	0.00	199.76	2.62	200.28	5.97	200.80	7.93
199.25	0.00	199.77	2.72	200.29	6.01	200.81	7.96
199.26	0.00	199.78	2.81	200.30	6.05	200.82	8.00
199.27	0.00	199.79	2.91	200.31	6.10	200.83	8.03
199.28	0.00	199.80	3.00	200.32	6.14	200.84	8.06
199.29	0.00	199.81	3.10	200.33	6.18	200.85	8.09
199.30	0.00	199.82	3.20	200.34	6.23	200.86	8.13
199.31	0.00	199.83	3.30	200.35	6.27	200.87	8.16
199.32	0.00	199.84	3.40	200.36	6.31	200.88	8.19
199.33	0.00	199.85	3.50	200.37	6.35	200.89	8.22
199.34	0.00	199.86	3.58	200.38	6.39	200.90	8.25
199.35	0.01	199.87	3.67	200.39	6.43	200.91	8.29
199.36	0.03	199.88	3.74	200.40	6.47	200.92	8.32
199.37	0.05	199.89	3.82	200.41	6.51	200.93	8.35
199.38	0.08	199.90	3.89	200.42	6.55	200.94	8.38
199.39	0.11	199.91	3.97	200.43	6.59	200.95	8.41
199.40	0.14	199.92	4.04	200.44	6.63	200.96	8.44
199.41	0.18	199.93	4.10	200.45	6.67	200.97	8.47
199.42	0.22	199.94	4.17	200.46	6.71	200.98	8.50
199.43	0.26	199.95	4.24	200.47	6.75	200.99	8.53
199.44	0.30	199.96	4.30	200.48	6.79	201.00	8.56
199.45	0.35	199.97	4.36	200.49	6.83	201.01	8.61
199.46	0.40	199.98	4.43	200.50	6.87	201.02	8.66
199.47	0.45	199.99	4.49	200.51	6.91	201.03	8.72
199.48	0.50	200.00	4.55	200.52	6.94	201.04	8.79
199.49	0.56	200.01	4.61	200.53	6.98	201.05	8.86
199.50	0.62	200.02	4.66	200.54	7.02	201.06	8.94
199.51	0.67	200.03	4.72	200.55	7.06	201.07	9.02

Stage-Discharge for Pond B-58: Basin #58 (continued)

Elevation (feet)	Primary (cfs)
201.08	9.10
201.09	9.19
201.10	9.28
201.11	9.37
201.12	9.46
201.13	9.56
201.14	9.66
201.15	9.77
201.16	9.87
201.17	9.98
201.18	10.09
201.19	10.20
201.20	10.31
201.21	10.43
201.22	10.55
201.23	10.67
201.24	10.79
201.25	10.91
201.26	11.04
201.27	11.16
201.28	11.29
201.29	11.42
201.30	11.55
201.31	11.69
201.32	11.82
201.33	11.96
201.34	12.10
201.35	12.23
201.36	12.38
201.37	12.52
201.38	12.66
201.39	12.81
201.40	12.95
201.41	13.10
201.42	13.25
201.43	13.40
201.44	13.55
201.45	13.70
201.46	13.86
201.47	14.01
201.48	14.17
201.49	14.32
201.50	14.48
201.51	14.76
201.52	15.14
201.53	15.57
201.54	16.07
201.55	16.60
201.56	17.18
201.57	17.80
201.58	18.45
201.59	19.13
201.60	19.85
201.61	20.59
201.62	21.36
201.63	22.16
201.64	22.99
201.65	23.84
201.66	24.71
201.67	25.61
201.68	26.53
201.69	27.48
201.70	28.44
201.71	29.47
201.72	30.52
201.73	31.60
201.74	32.71
201.75	33.84
201.76	35.00
201.77	36.18
201.78	37.39
201.79	38.62
201.80	39.88
201.81	41.17
201.82	42.48
201.83	43.82
201.84	45.18
201.85	46.56
201.86	47.97
201.87	49.41
201.88	50.87
201.89	52.36
201.90	53.87
201.91	55.43
201.92	57.02
201.93	58.63
201.94	60.28
201.95	61.95
201.96	63.64
201.97	65.37
201.98	67.12
201.99	68.89
202.00	**70.70**

Stage-Area-Storage for Pond B-58: Basin #58

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
199.00	**9,090**	0	199.52	9,090	4,727
199.01	9,090	91	199.53	9,090	4,818
199.02	9,090	182	199.54	9,090	4,909
199.03	9,090	273	199.55	9,090	5,000
199.04	9,090	364	199.56	9,090	5,090
199.05	9,090	455	199.57	9,090	5,181
199.06	9,090	545	199.58	9,090	5,272
199.07	9,090	636	199.59	9,090	5,363
199.08	9,090	727	199.60	9,090	5,454
199.09	9,090	818	199.61	9,090	5,545
199.10	9,090	909	199.62	9,090	5,636
199.11	9,090	1,000	199.63	9,090	5,727
199.12	9,090	1,091	199.64	9,090	5,818
199.13	9,090	1,182	199.65	9,090	5,909
199.14	9,090	1,273	199.66	9,090	5,999
199.15	9,090	1,364	199.67	9,090	6,090
199.16	9,090	1,454	199.68	9,090	6,181
199.17	9,090	1,545	199.69	9,090	6,272
199.18	9,090	1,636	199.70	9,090	6,363
199.19	9,090	1,727	199.71	9,090	6,454
199.20	9,090	1,818	199.72	9,090	6,545
199.21	9,090	1,909	199.73	9,090	6,636
199.22	9,090	2,000	199.74	9,090	6,727
199.23	9,090	2,091	199.75	9,090	6,818
199.24	9,090	2,182	199.76	9,090	6,908
199.25	9,090	2,273	199.77	9,090	6,999
199.26	9,090	2,363	199.78	9,090	7,090
199.27	9,090	2,454	199.79	9,090	7,181
199.28	9,090	2,545	199.80	9,090	7,272
199.29	9,090	2,636	199.81	9,090	7,363
199.30	9,090	2,727	199.82	9,090	7,454
199.31	9,090	2,818	199.83	9,090	7,545
199.32	9,090	2,909	199.84	9,090	7,636
199.33	9,090	3,000	199.85	9,090	7,726
199.34	9,090	3,091	199.86	9,090	7,817
199.35	9,090	3,181	199.87	9,090	7,908
199.36	9,090	3,272	199.88	9,090	7,999
199.37	9,090	3,363	199.89	9,090	8,090
199.38	9,090	3,454	199.90	9,090	8,181
199.39	9,090	3,545	199.91	9,090	8,272
199.40	9,090	3,636	199.92	9,090	8,363
199.41	9,090	3,727	199.93	9,090	8,454
199.42	9,090	3,818	199.94	9,090	8,545
199.43	9,090	3,909	199.95	9,090	8,635
199.44	9,090	4,000	199.96	9,090	8,726
199.45	9,090	4,090	199.97	9,090	8,817
199.46	9,090	4,181	199.98	9,090	8,908
199.47	9,090	4,272	199.99	9,090	8,999
199.48	9,090	4,363	200.00	9,090	9,090
199.49	9,090	4,454	200.01	9,090	9,181
199.50	9,090	4,545	200.02	9,090	9,272
199.51	9,090	4,636	200.03	9,090	9,363

Stage-Area-Storage for Pond B-58: Basin #58 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
200.04	9,090	9,454
200.05	9,090	9,545
200.06	9,090	9,635
200.07	9,090	9,726
200.08	9,090	9,817
200.09	9,090	9,908
200.10	9,090	9,999
200.11	9,090	10,090
200.12	9,090	10,181
200.13	9,090	10,272
200.14	9,090	10,363
200.15	9,090	10,454
200.16	9,090	10,544
200.17	9,090	10,635
200.18	9,090	10,726
200.19	9,090	10,817
200.20	9,090	10,908
200.21	9,090	10,999
200.22	9,090	11,090
200.23	9,090	11,181
200.24	9,090	11,272
200.25	9,090	11,363
200.26	9,090	11,453
200.27	9,090	11,544
200.28	9,090	11,635
200.29	9,090	11,726
200.30	9,090	11,817
200.31	9,090	11,908
200.32	9,090	11,999
200.33	9,090	12,090
200.34	9,090	12,181
200.35	9,090	12,271
200.36	9,090	12,362
200.37	9,090	12,453
200.38	9,090	12,544
200.39	9,090	12,635
200.40	9,090	12,726
200.41	9,090	12,817
200.42	9,090	12,908
200.43	9,090	12,999
200.44	9,090	13,090
200.45	9,090	13,180
200.46	9,090	13,271
200.47	9,090	13,362
200.48	9,090	13,453
200.49	9,090	13,544
200.50	9,090	13,635
200.51	9,090	13,726
200.52	9,090	13,817
200.53	9,090	13,908
200.54	9,090	13,999
200.55	9,090	14,090
200.56	9,090	14,180
200.57	9,090	14,271
200.58	9,090	14,362
200.59	9,090	14,453
200.60	9,090	14,544
200.61	9,090	14,635
200.62	9,090	14,726
200.63	9,090	14,817
200.64	9,090	14,908
200.65	9,090	14,999
200.66	9,090	15,089
200.67	9,090	15,180
200.68	9,090	15,271
200.69	9,090	15,362
200.70	9,090	15,453
200.71	9,090	15,544
200.72	9,090	15,635
200.73	9,090	15,726
200.74	9,090	15,817
200.75	9,090	15,908
200.76	9,090	15,998
200.77	9,090	16,089
200.78	9,090	16,180
200.79	9,090	16,271
200.80	9,090	16,362
200.81	9,090	16,453
200.82	9,090	16,544
200.83	9,090	16,635
200.84	9,090	16,726
200.85	9,090	16,816
200.86	9,090	16,907
200.87	9,090	16,998
200.88	9,090	17,089
200.89	9,090	17,180
200.90	9,090	17,271
200.91	9,090	17,362
200.92	9,090	17,453
200.93	9,090	17,544
200.94	9,090	17,635
200.95	9,090	17,725
200.96	9,090	17,816
200.97	9,090	17,907
200.98	9,090	17,998
200.99	9,090	18,089
201.00	9,090	18,180
201.01	9,090	18,271
201.02	9,090	18,362
201.03	9,090	18,453
201.04	9,090	18,544
201.05	9,090	18,635
201.06	9,090	18,725
201.07	9,090	18,816

Stage-Area-Storage for Pond B-58: Basin #58 (continued)

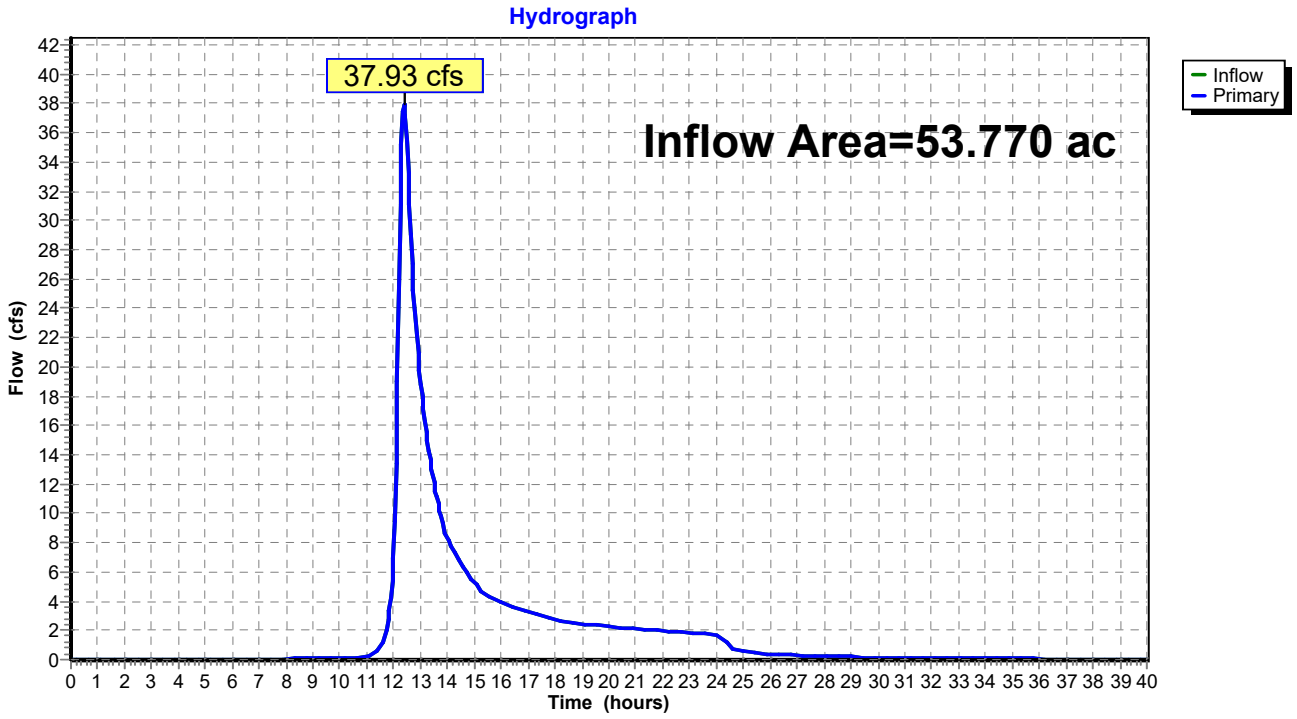
Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
201.08	9,090	18,907
201.09	9,090	18,998
201.10	9,090	19,089
201.11	9,090	19,180
201.12	9,090	19,271
201.13	9,090	19,362
201.14	9,090	19,453
201.15	9,090	19,544
201.16	9,090	19,634
201.17	9,090	19,725
201.18	9,090	19,816
201.19	9,090	19,907
201.20	9,090	19,998
201.21	9,090	20,089
201.22	9,090	20,180
201.23	9,090	20,271
201.24	9,090	20,362
201.25	9,090	20,453
201.26	9,090	20,543
201.27	9,090	20,634
201.28	9,090	20,725
201.29	9,090	20,816
201.30	9,090	20,907
201.31	9,090	20,998
201.32	9,090	21,089
201.33	9,090	21,180
201.34	9,090	21,271
201.35	9,090	21,361
201.36	9,090	21,452
201.37	9,090	21,543
201.38	9,090	21,634
201.39	9,090	21,725
201.40	9,090	21,816
201.41	9,090	21,907
201.42	9,090	21,998
201.43	9,090	22,089
201.44	9,090	22,180
201.45	9,090	22,270
201.46	9,090	22,361
201.47	9,090	22,452
201.48	9,090	22,543
201.49	9,090	22,634
201.50	9,090	22,725
201.51	9,090	22,816
201.52	9,090	22,907
201.53	9,090	22,998
201.54	9,090	23,089
201.55	9,090	23,180
201.56	9,090	23,270
201.57	9,090	23,361
201.58	9,090	23,452
201.59	9,090	23,543
201.60	9,090	23,634
201.61	9,090	23,725
201.62	9,090	23,816
201.63	9,090	23,907
201.64	9,090	23,998
201.65	9,090	24,089
201.66	9,090	24,179
201.67	9,090	24,270
201.68	9,090	24,361
201.69	9,090	24,452
201.70	9,090	24,543
201.71	9,090	24,634
201.72	9,090	24,725
201.73	9,090	24,816
201.74	9,090	24,907
201.75	9,090	24,998
201.76	9,090	25,088
201.77	9,090	25,179
201.78	9,090	25,270
201.79	9,090	25,361
201.80	9,090	25,452
201.81	9,090	25,543
201.82	9,090	25,634
201.83	9,090	25,725
201.84	9,090	25,816
201.85	9,090	25,906
201.86	9,090	25,997
201.87	9,090	26,088
201.88	9,090	26,179
201.89	9,090	26,270
201.90	9,090	26,361
201.91	9,090	26,452
201.92	9,090	26,543
201.93	9,090	26,634
201.94	9,090	26,725
201.95	9,090	26,815
201.96	9,090	26,906
201.97	9,090	26,997
201.98	9,090	27,088
201.99	9,090	27,179
202.00	9,090	**27,270**

Summary for Link PDA-6: Proposed Drainage Area #6

Inflow Area = 53.770 ac, 12.46% Impervious, Inflow Depth > 1.38" for Future 2 yr event
Inflow = 37.93 cfs @ 12.40 hrs, Volume= 6.171 af
Primary = 37.93 cfs @ 12.40 hrs, Volume= 6.171 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link PDA-6: Proposed Drainage Area #6



Hydrograph for Link PDA-6: Proposed Drainage Area #6

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.01	0.00	0.01
0.05	0.00	0.00	0.00	2.65	0.01	0.00	0.01
0.10	0.00	0.00	0.00	2.70	0.01	0.00	0.01
0.15	0.00	0.00	0.00	2.75	0.02	0.00	0.02
0.20	0.00	0.00	0.00	2.80	0.02	0.00	0.02
0.25	0.00	0.00	0.00	2.85	0.02	0.00	0.02
0.30	0.00	0.00	0.00	2.90	0.02	0.00	0.02
0.35	0.00	0.00	0.00	2.95	0.02	0.00	0.02
0.40	0.00	0.00	0.00	3.00	0.02	0.00	0.02
0.45	0.00	0.00	0.00	3.05	0.02	0.00	0.02
0.50	0.00	0.00	0.00	3.10	0.02	0.00	0.02
0.55	0.00	0.00	0.00	3.15	0.02	0.00	0.02
0.60	0.00	0.00	0.00	3.20	0.02	0.00	0.02
0.65	0.00	0.00	0.00	3.25	0.02	0.00	0.02
0.70	0.00	0.00	0.00	3.30	0.02	0.00	0.02
0.75	0.00	0.00	0.00	3.35	0.02	0.00	0.02
0.80	0.00	0.00	0.00	3.40	0.02	0.00	0.02
0.85	0.00	0.00	0.00	3.45	0.02	0.00	0.02
0.90	0.00	0.00	0.00	3.50	0.02	0.00	0.02
0.95	0.00	0.00	0.00	3.55	0.02	0.00	0.02
1.00	0.00	0.00	0.00	3.60	0.02	0.00	0.02
1.05	0.00	0.00	0.00	3.65	0.02	0.00	0.02
1.10	0.00	0.00	0.00	3.70	0.02	0.00	0.02
1.15	0.00	0.00	0.00	3.75	0.02	0.00	0.02
1.20	0.00	0.00	0.00	3.80	0.02	0.00	0.02
1.25	0.00	0.00	0.00	3.85	0.02	0.00	0.02
1.30	0.00	0.00	0.00	3.90	0.02	0.00	0.02
1.35	0.00	0.00	0.00	3.95	0.02	0.00	0.02
1.40	0.00	0.00	0.00	4.00	0.03	0.00	0.03
1.45	0.00	0.00	0.00	4.05	0.03	0.00	0.03
1.50	0.00	0.00	0.00	4.10	0.03	0.00	0.03
1.55	0.00	0.00	0.00	4.15	0.03	0.00	0.03
1.60	0.00	0.00	0.00	4.20	0.03	0.00	0.03
1.65	0.00	0.00	0.00	4.25	0.03	0.00	0.03
1.70	0.00	0.00	0.00	4.30	0.03	0.00	0.03
1.75	0.00	0.00	0.00	4.35	0.03	0.00	0.03
1.80	0.01	0.00	0.01	4.40	0.03	0.00	0.03
1.85	0.01	0.00	0.01	4.45	0.03	0.00	0.03
1.90	0.01	0.00	0.01	4.50	0.03	0.00	0.03
1.95	0.01	0.00	0.01	4.55	0.03	0.00	0.03
2.00	0.01	0.00	0.01	4.60	0.03	0.00	0.03
2.05	0.01	0.00	0.01	4.65	0.03	0.00	0.03
2.10	0.01	0.00	0.01	4.70	0.03	0.00	0.03
2.15	0.01	0.00	0.01	4.75	0.03	0.00	0.03
2.20	0.01	0.00	0.01	4.80	0.03	0.00	0.03
2.25	0.01	0.00	0.01	4.85	0.03	0.00	0.03
2.30	0.01	0.00	0.01	4.90	0.03	0.00	0.03
2.35	0.01	0.00	0.01	4.95	0.03	0.00	0.03
2.40	0.01	0.00	0.01	5.00	0.03	0.00	0.03
2.45	0.01	0.00	0.01	5.05	0.03	0.00	0.03
2.50	0.01	0.00	0.01	5.10	0.03	0.00	0.03
2.55	0.01	0.00	0.01	5.15	0.03	0.00	0.03

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.03	0.00	0.03	7.80	0.06	0.00	0.06
5.25	0.03	0.00	0.03	7.85	0.06	0.00	0.06
5.30	0.03	0.00	0.03	7.90	0.06	0.00	0.06
5.35	0.03	0.00	0.03	7.95	0.06	0.00	0.06
5.40	0.03	0.00	0.03	8.00	0.06	0.00	0.06
5.45	0.03	0.00	0.03	8.05	0.06	0.00	0.06
5.50	0.03	0.00	0.03	8.10	0.06	0.00	0.06
5.55	0.03	0.00	0.03	8.15	0.06	0.00	0.06
5.60	0.03	0.00	0.03	8.20	0.06	0.00	0.06
5.65	0.03	0.00	0.03	8.25	0.06	0.00	0.06
5.70	0.04	0.00	0.04	8.30	0.06	0.00	0.06
5.75	0.04	0.00	0.04	8.35	0.06	0.00	0.06
5.80	0.04	0.00	0.04	8.40	0.06	0.00	0.06
5.85	0.04	0.00	0.04	8.45	0.06	0.00	0.06
5.90	0.04	0.00	0.04	8.50	0.07	0.00	0.07
5.95	0.04	0.00	0.04	8.55	0.07	0.00	0.07
6.00	0.04	0.00	0.04	8.60	0.07	0.00	0.07
6.05	0.04	0.00	0.04	8.65	0.07	0.00	0.07
6.10	0.04	0.00	0.04	8.70	0.07	0.00	0.07
6.15	0.04	0.00	0.04	8.75	0.07	0.00	0.07
6.20	0.04	0.00	0.04	8.80	0.07	0.00	0.07
6.25	0.04	0.00	0.04	8.85	0.07	0.00	0.07
6.30	0.04	0.00	0.04	8.90	0.07	0.00	0.07
6.35	0.04	0.00	0.04	8.95	0.07	0.00	0.07
6.40	0.04	0.00	0.04	9.00	0.07	0.00	0.07
6.45	0.04	0.00	0.04	9.05	0.07	0.00	0.07
6.50	0.04	0.00	0.04	9.10	0.07	0.00	0.07
6.55	0.04	0.00	0.04	9.15	0.07	0.00	0.07
6.60	0.04	0.00	0.04	9.20	0.07	0.00	0.07
6.65	0.04	0.00	0.04	9.25	0.08	0.00	0.08
6.70	0.04	0.00	0.04	9.30	0.08	0.00	0.08
6.75	0.04	0.00	0.04	9.35	0.08	0.00	0.08
6.80	0.04	0.00	0.04	9.40	0.08	0.00	0.08
6.85	0.04	0.00	0.04	9.45	0.08	0.00	0.08
6.90	0.05	0.00	0.05	9.50	0.08	0.00	0.08
6.95	0.05	0.00	0.05	9.55	0.09	0.00	0.09
7.00	0.05	0.00	0.05	9.60	0.09	0.00	0.09
7.05	0.05	0.00	0.05	9.65	0.09	0.00	0.09
7.10	0.05	0.00	0.05	9.70	0.09	0.00	0.09
7.15	0.05	0.00	0.05	9.75	0.09	0.00	0.09
7.20	0.05	0.00	0.05	9.80	0.10	0.00	0.10
7.25	0.05	0.00	0.05	9.85	0.10	0.00	0.10
7.30	0.05	0.00	0.05	9.90	0.10	0.00	0.10
7.35	0.05	0.00	0.05	9.95	0.10	0.00	0.10
7.40	0.05	0.00	0.05	10.00	0.10	0.00	0.10
7.45	0.05	0.00	0.05	10.05	0.11	0.00	0.11
7.50	0.05	0.00	0.05	10.10	0.11	0.00	0.11
7.55	0.05	0.00	0.05	10.15	0.11	0.00	0.11
7.60	0.05	0.00	0.05	10.20	0.11	0.00	0.11
7.65	0.05	0.00	0.05	10.25	0.12	0.00	0.12
7.70	0.05	0.00	0.05	10.30	0.12	0.00	0.12
7.75	0.06	0.00	0.06	10.35	0.12	0.00	0.12

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.12	0.00	0.12	13.00	18.78	0.00	18.78
10.45	0.12	0.00	0.12	13.05	17.89	0.00	17.89
10.50	0.13	0.00	0.13	13.10	17.07	0.00	17.07
10.55	0.13	0.00	0.13	13.15	16.31	0.00	16.31
10.60	0.13	0.00	0.13	13.20	15.59	0.00	15.59
10.65	0.13	0.00	0.13	13.25	14.92	0.00	14.92
10.70	0.14	0.00	0.14	13.30	14.28	0.00	14.28
10.75	0.14	0.00	0.14	13.35	13.67	0.00	13.67
10.80	0.15	0.00	0.15	13.40	13.10	0.00	13.10
10.85	0.15	0.00	0.15	13.45	12.56	0.00	12.56
10.90	0.16	0.00	0.16	13.50	12.04	0.00	12.04
10.95	0.17	0.00	0.17	13.55	11.55	0.00	11.55
11.00	0.18	0.00	0.18	13.60	11.08	0.00	11.08
11.05	0.20	0.00	0.20	13.65	10.64	0.00	10.64
11.10	0.23	0.00	0.23	13.70	10.21	0.00	10.21
11.15	0.27	0.00	0.27	13.75	9.81	0.00	9.81
11.20	0.31	0.00	0.31	13.80	9.44	0.00	9.44
11.25	0.37	0.00	0.37	13.85	9.11	0.00	9.11
11.30	0.45	0.00	0.45	13.90	8.80	0.00	8.80
11.35	0.53	0.00	0.53	13.95	8.52	0.00	8.52
11.40	0.63	0.00	0.63	14.00	8.28	0.00	8.28
11.45	0.74	0.00	0.74	14.05	8.05	0.00	8.05
11.50	0.87	0.00	0.87	14.10	7.84	0.00	7.84
11.55	1.03	0.00	1.03	14.15	7.64	0.00	7.64
11.60	1.22	0.00	1.22	14.20	7.45	0.00	7.45
11.65	1.47	0.00	1.47	14.25	7.28	0.00	7.28
11.70	1.79	0.00	1.79	14.30	7.11	0.00	7.11
11.75	2.20	0.00	2.20	14.35	6.95	0.00	6.95
11.80	2.71	0.00	2.71	14.40	6.79	0.00	6.79
11.85	3.35	0.00	3.35	14.45	6.64	0.00	6.64
11.90	4.19	0.00	4.19	14.50	6.50	0.00	6.50
11.95	5.33	0.00	5.33	14.55	6.36	0.00	6.36
12.00	6.97	0.00	6.97	14.60	6.23	0.00	6.23
12.05	9.51	0.00	9.51	14.65	6.10	0.00	6.10
12.10	13.45	0.00	13.45	14.70	5.97	0.00	5.97
12.15	19.00	0.00	19.00	14.75	5.85	0.00	5.85
12.20	25.35	0.00	25.35	14.80	5.72	0.00	5.72
12.25	31.07	0.00	31.07	14.85	5.60	0.00	5.60
12.30	35.22	0.00	35.22	14.90	5.49	0.00	5.49
12.35	37.40	0.00	37.40	14.95	5.37	0.00	5.37
12.40	**37.92**	0.00	**37.92**	15.00	5.26	0.00	5.26
12.45	37.18	0.00	37.18	15.05	5.15	0.00	5.15
12.50	35.49	0.00	35.49	15.10	5.04	0.00	5.04
12.55	33.31	0.00	33.31	15.15	4.94	0.00	4.94
12.60	31.07	0.00	31.07	15.20	4.83	0.00	4.83
12.65	29.02	0.00	29.02	15.25	4.73	0.00	4.73
12.70	27.09	0.00	27.09	15.30	4.64	0.00	4.64
12.75	25.30	0.00	25.30	15.35	4.56	0.00	4.56
12.80	23.67	0.00	23.67	15.40	4.48	0.00	4.48
12.85	22.22	0.00	22.22	15.45	4.41	0.00	4.41
12.90	20.94	0.00	20.94	15.50	4.35	0.00	4.35
12.95	19.79	0.00	19.79	15.55	4.29	0.00	4.29

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	4.24	0.00	4.24	18.20	2.66	0.00	2.66
15.65	4.19	0.00	4.19	18.25	2.64	0.00	2.64
15.70	4.15	0.00	4.15	18.30	2.62	0.00	2.62
15.75	4.10	0.00	4.10	18.35	2.60	0.00	2.60
15.80	4.06	0.00	4.06	18.40	2.58	0.00	2.58
15.85	4.02	0.00	4.02	18.45	2.57	0.00	2.57
15.90	3.98	0.00	3.98	18.50	2.55	0.00	2.55
15.95	3.94	0.00	3.94	18.55	2.54	0.00	2.54
16.00	3.90	0.00	3.90	18.60	2.53	0.00	2.53
16.05	3.86	0.00	3.86	18.65	2.52	0.00	2.52
16.10	3.83	0.00	3.83	18.70	2.51	0.00	2.51
16.15	3.79	0.00	3.79	18.75	2.49	0.00	2.49
16.20	3.76	0.00	3.76	18.80	2.48	0.00	2.48
16.25	3.73	0.00	3.73	18.85	2.47	0.00	2.47
16.30	3.69	0.00	3.69	18.90	2.46	0.00	2.46
16.35	3.66	0.00	3.66	18.95	2.46	0.00	2.46
16.40	3.63	0.00	3.63	19.00	2.45	0.00	2.45
16.45	3.60	0.00	3.60	19.05	2.44	0.00	2.44
16.50	3.57	0.00	3.57	19.10	2.43	0.00	2.43
16.55	3.54	0.00	3.54	19.15	2.42	0.00	2.42
16.60	3.51	0.00	3.51	19.20	2.41	0.00	2.41
16.65	3.48	0.00	3.48	19.25	2.40	0.00	2.40
16.70	3.46	0.00	3.46	19.30	2.39	0.00	2.39
16.75	3.43	0.00	3.43	19.35	2.38	0.00	2.38
16.80	3.40	0.00	3.40	19.40	2.38	0.00	2.38
16.85	3.37	0.00	3.37	19.45	2.37	0.00	2.37
16.90	3.34	0.00	3.34	19.50	2.36	0.00	2.36
16.95	3.32	0.00	3.32	19.55	2.35	0.00	2.35
17.00	3.29	0.00	3.29	19.60	2.34	0.00	2.34
17.05	3.26	0.00	3.26	19.65	2.33	0.00	2.33
17.10	3.23	0.00	3.23	19.70	2.33	0.00	2.33
17.15	3.21	0.00	3.21	19.75	2.32	0.00	2.32
17.20	3.18	0.00	3.18	19.80	2.31	0.00	2.31
17.25	3.15	0.00	3.15	19.85	2.30	0.00	2.30
17.30	3.13	0.00	3.13	19.90	2.30	0.00	2.30
17.35	3.10	0.00	3.10	19.95	2.29	0.00	2.29
17.40	3.07	0.00	3.07	20.00	2.28	0.00	2.28
17.45	3.05	0.00	3.05	20.05	2.27	0.00	2.27
17.50	3.02	0.00	3.02	20.10	2.27	0.00	2.27
17.55	2.99	0.00	2.99	20.15	2.26	0.00	2.26
17.60	2.97	0.00	2.97	20.20	2.25	0.00	2.25
17.65	2.94	0.00	2.94	20.25	2.24	0.00	2.24
17.70	2.92	0.00	2.92	20.30	2.23	0.00	2.23
17.75	2.89	0.00	2.89	20.35	2.23	0.00	2.23
17.80	2.87	0.00	2.87	20.40	2.22	0.00	2.22
17.85	2.84	0.00	2.84	20.45	2.21	0.00	2.21
17.90	2.82	0.00	2.82	20.50	2.20	0.00	2.20
17.95	2.79	0.00	2.79	20.55	2.20	0.00	2.20
18.00	2.76	0.00	2.76	20.60	2.19	0.00	2.19
18.05	2.74	0.00	2.74	20.65	2.18	0.00	2.18
18.10	2.71	0.00	2.71	20.70	2.18	0.00	2.18
18.15	2.69	0.00	2.69	20.75	2.17	0.00	2.17

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	2.16	0.00	2.16	23.40	1.80	0.00	1.80
20.85	2.16	0.00	2.16	23.45	1.79	0.00	1.79
20.90	2.15	0.00	2.15	23.50	1.79	0.00	1.79
20.95	2.14	0.00	2.14	23.55	1.78	0.00	1.78
21.00	2.13	0.00	2.13	23.60	1.77	0.00	1.77
21.05	2.13	0.00	2.13	23.65	1.77	0.00	1.77
21.10	2.12	0.00	2.12	23.70	1.76	0.00	1.76
21.15	2.11	0.00	2.11	23.75	1.75	0.00	1.75
21.20	2.10	0.00	2.10	23.80	1.74	0.00	1.74
21.25	2.10	0.00	2.10	23.85	1.74	0.00	1.74
21.30	2.09	0.00	2.09	23.90	1.73	0.00	1.73
21.35	2.08	0.00	2.08	23.95	1.72	0.00	1.72
21.40	2.08	0.00	2.08	24.00	1.72	0.00	1.72
21.45	2.07	0.00	2.07	24.05	1.73	0.00	1.73
21.50	2.06	0.00	2.06	24.10	1.71	0.00	1.71
21.55	2.06	0.00	2.06	24.15	1.66	0.00	1.66
21.60	2.05	0.00	2.05	24.20	1.56	0.00	1.56
21.65	2.04	0.00	2.04	24.25	1.43	0.00	1.43
21.70	2.03	0.00	2.03	24.30	1.29	0.00	1.29
21.75	2.03	0.00	2.03	24.35	1.16	0.00	1.16
21.80	2.02	0.00	2.02	24.40	1.03	0.00	1.03
21.85	2.01	0.00	2.01	24.45	0.93	0.00	0.93
21.90	2.01	0.00	2.01	24.50	0.84	0.00	0.84
21.95	2.00	0.00	2.00	24.55	0.77	0.00	0.77
22.00	1.99	0.00	1.99	24.60	0.72	0.00	0.72
22.05	1.99	0.00	1.99	24.65	0.68	0.00	0.68
22.10	1.98	0.00	1.98	24.70	0.65	0.00	0.65
22.15	1.97	0.00	1.97	24.75	0.62	0.00	0.62
22.20	1.96	0.00	1.96	24.80	0.60	0.00	0.60
22.25	1.96	0.00	1.96	24.85	0.58	0.00	0.58
22.30	1.95	0.00	1.95	24.90	0.57	0.00	0.57
22.35	1.95	0.00	1.95	24.95	0.55	0.00	0.55
22.40	1.94	0.00	1.94	25.00	0.54	0.00	0.54
22.45	1.93	0.00	1.93	25.05	0.53	0.00	0.53
22.50	1.92	0.00	1.92	25.10	0.52	0.00	0.52
22.55	1.92	0.00	1.92	25.15	0.50	0.00	0.50
22.60	1.91	0.00	1.91	25.20	0.50	0.00	0.50
22.65	1.90	0.00	1.90	25.25	0.49	0.00	0.49
22.70	1.90	0.00	1.90	25.30	0.48	0.00	0.48
22.75	1.89	0.00	1.89	25.35	0.47	0.00	0.47
22.80	1.88	0.00	1.88	25.40	0.47	0.00	0.47
22.85	1.88	0.00	1.88	25.45	0.46	0.00	0.46
22.90	1.87	0.00	1.87	25.50	0.45	0.00	0.45
22.95	1.86	0.00	1.86	25.55	0.45	0.00	0.45
23.00	1.85	0.00	1.85	25.60	0.44	0.00	0.44
23.05	1.85	0.00	1.85	25.65	0.43	0.00	0.43
23.10	1.84	0.00	1.84	25.70	0.43	0.00	0.43
23.15	1.84	0.00	1.84	25.75	0.42	0.00	0.42
23.20	1.83	0.00	1.83	25.80	0.41	0.00	0.41
23.25	1.82	0.00	1.82	25.85	0.41	0.00	0.41
23.30	1.81	0.00	1.81	25.90	0.40	0.00	0.40
23.35	1.81	0.00	1.81	25.95	0.40	0.00	0.40

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.39	0.00	0.39	28.60	0.21	0.00	0.21
26.05	0.39	0.00	0.39	28.65	0.21	0.00	0.21
26.10	0.38	0.00	0.38	28.70	0.20	0.00	0.20
26.15	0.37	0.00	0.37	28.75	0.20	0.00	0.20
26.20	0.37	0.00	0.37	28.80	0.20	0.00	0.20
26.25	0.36	0.00	0.36	28.85	0.20	0.00	0.20
26.30	0.36	0.00	0.36	28.90	0.20	0.00	0.20
26.35	0.35	0.00	0.35	28.95	0.19	0.00	0.19
26.40	0.35	0.00	0.35	29.00	0.19	0.00	0.19
26.45	0.34	0.00	0.34	29.05	0.19	0.00	0.19
26.50	0.34	0.00	0.34	29.10	0.19	0.00	0.19
26.55	0.33	0.00	0.33	29.15	0.19	0.00	0.19
26.60	0.33	0.00	0.33	29.20	0.18	0.00	0.18
26.65	0.32	0.00	0.32	29.25	0.18	0.00	0.18
26.70	0.32	0.00	0.32	29.30	0.18	0.00	0.18
26.75	0.32	0.00	0.32	29.35	0.18	0.00	0.18
26.80	0.31	0.00	0.31	29.40	0.18	0.00	0.18
26.85	0.31	0.00	0.31	29.45	0.17	0.00	0.17
26.90	0.30	0.00	0.30	29.50	0.17	0.00	0.17
26.95	0.30	0.00	0.30	29.55	0.17	0.00	0.17
27.00	0.29	0.00	0.29	29.60	0.17	0.00	0.17
27.05	0.29	0.00	0.29	29.65	0.17	0.00	0.17
27.10	0.29	0.00	0.29	29.70	0.17	0.00	0.17
27.15	0.28	0.00	0.28	29.75	0.16	0.00	0.16
27.20	0.28	0.00	0.28	29.80	0.16	0.00	0.16
27.25	0.28	0.00	0.28	29.85	0.16	0.00	0.16
27.30	0.28	0.00	0.28	29.90	0.16	0.00	0.16
27.35	0.27	0.00	0.27	29.95	0.16	0.00	0.16
27.40	0.27	0.00	0.27	30.00	0.16	0.00	0.16
27.45	0.27	0.00	0.27	30.05	0.15	0.00	0.15
27.50	0.26	0.00	0.26	30.10	0.15	0.00	0.15
27.55	0.26	0.00	0.26	30.15	0.15	0.00	0.15
27.60	0.26	0.00	0.26	30.20	0.15	0.00	0.15
27.65	0.26	0.00	0.26	30.25	0.15	0.00	0.15
27.70	0.25	0.00	0.25	30.30	0.15	0.00	0.15
27.75	0.25	0.00	0.25	30.35	0.15	0.00	0.15
27.80	0.25	0.00	0.25	30.40	0.14	0.00	0.14
27.85	0.24	0.00	0.24	30.45	0.14	0.00	0.14
27.90	0.24	0.00	0.24	30.50	0.14	0.00	0.14
27.95	0.24	0.00	0.24	30.55	0.14	0.00	0.14
28.00	0.24	0.00	0.24	30.60	0.14	0.00	0.14
28.05	0.23	0.00	0.23	30.65	0.14	0.00	0.14
28.10	0.23	0.00	0.23	30.70	0.14	0.00	0.14
28.15	0.23	0.00	0.23	30.75	0.14	0.00	0.14
28.20	0.23	0.00	0.23	30.80	0.13	0.00	0.13
28.25	0.23	0.00	0.23	30.85	0.13	0.00	0.13
28.30	0.22	0.00	0.22	30.90	0.13	0.00	0.13
28.35	0.22	0.00	0.22	30.95	0.13	0.00	0.13
28.40	0.22	0.00	0.22	31.00	0.13	0.00	0.13
28.45	0.22	0.00	0.22	31.05	0.13	0.00	0.13
28.50	0.21	0.00	0.21	31.10	0.13	0.00	0.13
28.55	0.21	0.00	0.21	31.15	0.13	0.00	0.13

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.13	0.00	0.13	33.80	0.09	0.00	0.09
31.25	0.12	0.00	0.12	33.85	0.09	0.00	0.09
31.30	0.12	0.00	0.12	33.90	0.09	0.00	0.09
31.35	0.12	0.00	0.12	33.95	0.09	0.00	0.09
31.40	0.12	0.00	0.12	34.00	0.08	0.00	0.08
31.45	0.12	0.00	0.12	34.05	0.08	0.00	0.08
31.50	0.12	0.00	0.12	34.10	0.08	0.00	0.08
31.55	0.12	0.00	0.12	34.15	0.08	0.00	0.08
31.60	0.12	0.00	0.12	34.20	0.08	0.00	0.08
31.65	0.12	0.00	0.12	34.25	0.08	0.00	0.08
31.70	0.12	0.00	0.12	34.30	0.08	0.00	0.08
31.75	0.12	0.00	0.12	34.35	0.08	0.00	0.08
31.80	0.12	0.00	0.12	34.40	0.08	0.00	0.08
31.85	0.12	0.00	0.12	34.45	0.08	0.00	0.08
31.90	0.11	0.00	0.11	34.50	0.08	0.00	0.08
31.95	0.11	0.00	0.11	34.55	0.08	0.00	0.08
32.00	0.11	0.00	0.11	34.60	0.08	0.00	0.08
32.05	0.11	0.00	0.11	34.65	0.08	0.00	0.08
32.10	0.11	0.00	0.11	34.70	0.08	0.00	0.08
32.15	0.11	0.00	0.11	34.75	0.08	0.00	0.08
32.20	0.11	0.00	0.11	34.80	0.07	0.00	0.07
32.25	0.11	0.00	0.11	34.85	0.07	0.00	0.07
32.30	0.11	0.00	0.11	34.90	0.07	0.00	0.07
32.35	0.11	0.00	0.11	34.95	0.07	0.00	0.07
32.40	0.11	0.00	0.11	35.00	0.07	0.00	0.07
32.45	0.11	0.00	0.11	35.05	0.07	0.00	0.07
32.50	0.11	0.00	0.11	35.10	0.07	0.00	0.07
32.55	0.10	0.00	0.10	35.15	0.07	0.00	0.07
32.60	0.10	0.00	0.10	35.20	0.07	0.00	0.07
32.65	0.10	0.00	0.10	35.25	0.07	0.00	0.07
32.70	0.10	0.00	0.10	35.30	0.07	0.00	0.07
32.75	0.10	0.00	0.10	35.35	0.07	0.00	0.07
32.80	0.10	0.00	0.10	35.40	0.07	0.00	0.07
32.85	0.10	0.00	0.10	35.45	0.07	0.00	0.07
32.90	0.10	0.00	0.10	35.50	0.07	0.00	0.07
32.95	0.10	0.00	0.10	35.55	0.07	0.00	0.07
33.00	0.10	0.00	0.10	35.60	0.07	0.00	0.07
33.05	0.10	0.00	0.10	35.65	0.06	0.00	0.06
33.10	0.10	0.00	0.10	35.70	0.06	0.00	0.06
33.15	0.10	0.00	0.10	35.75	0.06	0.00	0.06
33.20	0.10	0.00	0.10	35.80	0.06	0.00	0.06
33.25	0.09	0.00	0.09	35.85	0.06	0.00	0.06
33.30	0.09	0.00	0.09	35.90	0.06	0.00	0.06
33.35	0.09	0.00	0.09	35.95	0.06	0.00	0.06
33.40	0.09	0.00	0.09	36.00	0.06	0.00	0.06
33.45	0.09	0.00	0.09	36.05	0.06	0.00	0.06
33.50	0.09	0.00	0.09	36.10	0.06	0.00	0.06
33.55	0.09	0.00	0.09	36.15	0.06	0.00	0.06
33.60	0.09	0.00	0.09	36.20	0.06	0.00	0.06
33.65	0.09	0.00	0.09	36.25	0.06	0.00	0.06
33.70	0.09	0.00	0.09	36.30	0.06	0.00	0.06
33.75	0.09	0.00	0.09	36.35	0.06	0.00	0.06

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

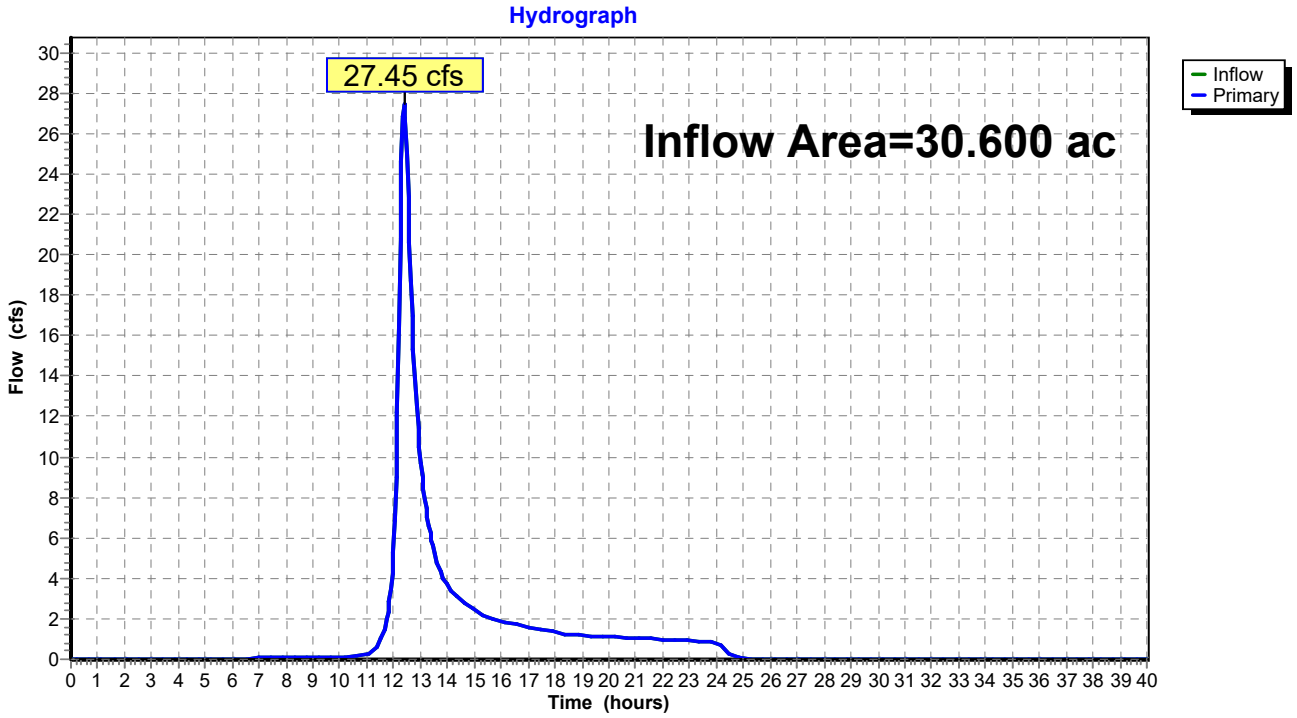
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.06	0.00	0.06
36.45	0.06	0.00	0.06
36.50	0.06	0.00	0.06
36.55	0.06	0.00	0.06
36.60	0.06	0.00	0.06
36.65	0.05	0.00	0.05
36.70	0.05	0.00	0.05
36.75	0.05	0.00	0.05
36.80	0.05	0.00	0.05
36.85	0.05	0.00	0.05
36.90	0.05	0.00	0.05
36.95	0.05	0.00	0.05
37.00	0.05	0.00	0.05
37.05	0.05	0.00	0.05
37.10	0.05	0.00	0.05
37.15	0.05	0.00	0.05
37.20	0.05	0.00	0.05
37.25	0.05	0.00	0.05
37.30	0.05	0.00	0.05
37.35	0.05	0.00	0.05
37.40	0.05	0.00	0.05
37.45	0.05	0.00	0.05
37.50	0.05	0.00	0.05
37.55	0.05	0.00	0.05
37.60	0.05	0.00	0.05
37.65	0.05	0.00	0.05
37.70	0.05	0.00	0.05
37.75	0.05	0.00	0.05
37.80	0.05	0.00	0.05
37.85	0.04	0.00	0.04
37.90	0.04	0.00	0.04
37.95	0.04	0.00	0.04
38.00	0.04	0.00	0.04
38.05	0.04	0.00	0.04
38.10	0.04	0.00	0.04
38.15	0.04	0.00	0.04
38.20	0.04	0.00	0.04
38.25	0.04	0.00	0.04
38.30	0.04	0.00	0.04
38.35	0.04	0.00	0.04
38.40	0.04	0.00	0.04
38.45	0.04	0.00	0.04
38.50	0.04	0.00	0.04
38.55	0.04	0.00	0.04
38.60	0.04	0.00	0.04
38.65	0.04	0.00	0.04
38.70	0.04	0.00	0.04
38.75	0.04	0.00	0.04
38.80	0.04	0.00	0.04
38.85	0.04	0.00	0.04
38.90	0.04	0.00	0.04
38.95	0.04	0.00	0.04
39.00	0.04	0.00	0.04
39.05	0.04	0.00	0.04
39.10	0.04	0.00	0.04
39.15	0.04	0.00	0.04
39.20	0.04	0.00	0.04
39.25	0.04	0.00	0.04
39.30	0.03	0.00	0.03
39.35	0.03	0.00	0.03
39.40	0.03	0.00	0.03
39.45	0.03	0.00	0.03
39.50	0.03	0.00	0.03
39.55	0.03	0.00	0.03
39.60	0.03	0.00	0.03
39.65	0.03	0.00	0.03
39.70	0.03	0.00	0.03
39.75	0.03	0.00	0.03
39.80	0.03	0.00	0.03
39.85	0.03	0.00	0.03
39.90	0.03	0.00	0.03
39.95	0.03	0.00	0.03
40.00	0.03	0.00	0.03

Summary for Link PDA-6OF: Proposed Offsite Drainage Area #6

Inflow Area = 30.600 ac, 2.48% Impervious, Inflow Depth = 1.29" for Future 2 yr event
Inflow = 27.45 cfs @ 12.40 hrs, Volume= 3.289 af
Primary = 27.45 cfs @ 12.40 hrs, Volume= 3.289 af, Atten= 0%, Lag= 0.0 min
Routed to Link PDA-6 : Proposed Drainage Area #6

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link PDA-6OF: Proposed Offsite Drainage Area #6



Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.01	0.00	0.01
0.05	0.00	0.00	0.00	2.65	0.01	0.00	0.01
0.10	0.00	0.00	0.00	2.70	0.01	0.00	0.01
0.15	0.00	0.00	0.00	2.75	0.02	0.00	0.02
0.20	0.00	0.00	0.00	2.80	0.02	0.00	0.02
0.25	0.00	0.00	0.00	2.85	0.02	0.00	0.02
0.30	0.00	0.00	0.00	2.90	0.02	0.00	0.02
0.35	0.00	0.00	0.00	2.95	0.02	0.00	0.02
0.40	0.00	0.00	0.00	3.00	0.02	0.00	0.02
0.45	0.00	0.00	0.00	3.05	0.02	0.00	0.02
0.50	0.00	0.00	0.00	3.10	0.02	0.00	0.02
0.55	0.00	0.00	0.00	3.15	0.02	0.00	0.02
0.60	0.00	0.00	0.00	3.20	0.02	0.00	0.02
0.65	0.00	0.00	0.00	3.25	0.02	0.00	0.02
0.70	0.00	0.00	0.00	3.30	0.02	0.00	0.02
0.75	0.00	0.00	0.00	3.35	0.02	0.00	0.02
0.80	0.00	0.00	0.00	3.40	0.02	0.00	0.02
0.85	0.00	0.00	0.00	3.45	0.02	0.00	0.02
0.90	0.00	0.00	0.00	3.50	0.02	0.00	0.02
0.95	0.00	0.00	0.00	3.55	0.02	0.00	0.02
1.00	0.00	0.00	0.00	3.60	0.02	0.00	0.02
1.05	0.00	0.00	0.00	3.65	0.02	0.00	0.02
1.10	0.00	0.00	0.00	3.70	0.02	0.00	0.02
1.15	0.00	0.00	0.00	3.75	0.02	0.00	0.02
1.20	0.00	0.00	0.00	3.80	0.02	0.00	0.02
1.25	0.00	0.00	0.00	3.85	0.02	0.00	0.02
1.30	0.00	0.00	0.00	3.90	0.02	0.00	0.02
1.35	0.00	0.00	0.00	3.95	0.02	0.00	0.02
1.40	0.00	0.00	0.00	4.00	0.03	0.00	0.03
1.45	0.00	0.00	0.00	4.05	0.03	0.00	0.03
1.50	0.00	0.00	0.00	4.10	0.03	0.00	0.03
1.55	0.00	0.00	0.00	4.15	0.03	0.00	0.03
1.60	0.00	0.00	0.00	4.20	0.03	0.00	0.03
1.65	0.00	0.00	0.00	4.25	0.03	0.00	0.03
1.70	0.00	0.00	0.00	4.30	0.03	0.00	0.03
1.75	0.00	0.00	0.00	4.35	0.03	0.00	0.03
1.80	0.01	0.00	0.01	4.40	0.03	0.00	0.03
1.85	0.01	0.00	0.01	4.45	0.03	0.00	0.03
1.90	0.01	0.00	0.01	4.50	0.03	0.00	0.03
1.95	0.01	0.00	0.01	4.55	0.03	0.00	0.03
2.00	0.01	0.00	0.01	4.60	0.03	0.00	0.03
2.05	0.01	0.00	0.01	4.65	0.03	0.00	0.03
2.10	0.01	0.00	0.01	4.70	0.03	0.00	0.03
2.15	0.01	0.00	0.01	4.75	0.03	0.00	0.03
2.20	0.01	0.00	0.01	4.80	0.03	0.00	0.03
2.25	0.01	0.00	0.01	4.85	0.03	0.00	0.03
2.30	0.01	0.00	0.01	4.90	0.03	0.00	0.03
2.35	0.01	0.00	0.01	4.95	0.03	0.00	0.03
2.40	0.01	0.00	0.01	5.00	0.03	0.00	0.03
2.45	0.01	0.00	0.01	5.05	0.03	0.00	0.03
2.50	0.01	0.00	0.01	5.10	0.03	0.00	0.03
2.55	0.01	0.00	0.01	5.15	0.03	0.00	0.03

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.03	0.00	0.03	7.80	0.06	0.00	0.06
5.25	0.03	0.00	0.03	7.85	0.06	0.00	0.06
5.30	0.03	0.00	0.03	7.90	0.06	0.00	0.06
5.35	0.03	0.00	0.03	7.95	0.06	0.00	0.06
5.40	0.03	0.00	0.03	8.00	0.06	0.00	0.06
5.45	0.03	0.00	0.03	8.05	0.06	0.00	0.06
5.50	0.03	0.00	0.03	8.10	0.06	0.00	0.06
5.55	0.03	0.00	0.03	8.15	0.06	0.00	0.06
5.60	0.03	0.00	0.03	8.20	0.06	0.00	0.06
5.65	0.03	0.00	0.03	8.25	0.06	0.00	0.06
5.70	0.04	0.00	0.04	8.30	0.06	0.00	0.06
5.75	0.04	0.00	0.04	8.35	0.06	0.00	0.06
5.80	0.04	0.00	0.04	8.40	0.06	0.00	0.06
5.85	0.04	0.00	0.04	8.45	0.06	0.00	0.06
5.90	0.04	0.00	0.04	8.50	0.07	0.00	0.07
5.95	0.04	0.00	0.04	8.55	0.07	0.00	0.07
6.00	0.04	0.00	0.04	8.60	0.07	0.00	0.07
6.05	0.04	0.00	0.04	8.65	0.07	0.00	0.07
6.10	0.04	0.00	0.04	8.70	0.07	0.00	0.07
6.15	0.04	0.00	0.04	8.75	0.07	0.00	0.07
6.20	0.04	0.00	0.04	8.80	0.07	0.00	0.07
6.25	0.04	0.00	0.04	8.85	0.07	0.00	0.07
6.30	0.04	0.00	0.04	8.90	0.07	0.00	0.07
6.35	0.04	0.00	0.04	8.95	0.07	0.00	0.07
6.40	0.04	0.00	0.04	9.00	0.07	0.00	0.07
6.45	0.04	0.00	0.04	9.05	0.07	0.00	0.07
6.50	0.04	0.00	0.04	9.10	0.07	0.00	0.07
6.55	0.04	0.00	0.04	9.15	0.07	0.00	0.07
6.60	0.04	0.00	0.04	9.20	0.07	0.00	0.07
6.65	0.04	0.00	0.04	9.25	0.08	0.00	0.08
6.70	0.04	0.00	0.04	9.30	0.08	0.00	0.08
6.75	0.04	0.00	0.04	9.35	0.08	0.00	0.08
6.80	0.04	0.00	0.04	9.40	0.08	0.00	0.08
6.85	0.04	0.00	0.04	9.45	0.08	0.00	0.08
6.90	0.05	0.00	0.05	9.50	0.08	0.00	0.08
6.95	0.05	0.00	0.05	9.55	0.09	0.00	0.09
7.00	0.05	0.00	0.05	9.60	0.09	0.00	0.09
7.05	0.05	0.00	0.05	9.65	0.09	0.00	0.09
7.10	0.05	0.00	0.05	9.70	0.09	0.00	0.09
7.15	0.05	0.00	0.05	9.75	0.09	0.00	0.09
7.20	0.05	0.00	0.05	9.80	0.10	0.00	0.10
7.25	0.05	0.00	0.05	9.85	0.10	0.00	0.10
7.30	0.05	0.00	0.05	9.90	0.10	0.00	0.10
7.35	0.05	0.00	0.05	9.95	0.10	0.00	0.10
7.40	0.05	0.00	0.05	10.00	0.10	0.00	0.10
7.45	0.05	0.00	0.05	10.05	0.11	0.00	0.11
7.50	0.05	0.00	0.05	10.10	0.11	0.00	0.11
7.55	0.05	0.00	0.05	10.15	0.11	0.00	0.11
7.60	0.05	0.00	0.05	10.20	0.11	0.00	0.11
7.65	0.05	0.00	0.05	10.25	0.12	0.00	0.12
7.70	0.05	0.00	0.05	10.30	0.12	0.00	0.12
7.75	0.06	0.00	0.06	10.35	0.12	0.00	0.12

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.12	0.00	0.12	13.00	9.68	0.00	9.68
10.45	0.12	0.00	0.12	13.05	9.00	0.00	9.00
10.50	0.13	0.00	0.13	13.10	8.41	0.00	8.41
10.55	0.13	0.00	0.13	13.15	7.88	0.00	7.88
10.60	0.13	0.00	0.13	13.20	7.41	0.00	7.41
10.65	0.13	0.00	0.13	13.25	6.98	0.00	6.98
10.70	0.14	0.00	0.14	13.30	6.59	0.00	6.59
10.75	0.14	0.00	0.14	13.35	6.23	0.00	6.23
10.80	0.15	0.00	0.15	13.40	5.91	0.00	5.91
10.85	0.15	0.00	0.15	13.45	5.61	0.00	5.61
10.90	0.16	0.00	0.16	13.50	5.34	0.00	5.34
10.95	0.17	0.00	0.17	13.55	5.09	0.00	5.09
11.00	0.18	0.00	0.18	13.60	4.87	0.00	4.87
11.05	0.20	0.00	0.20	13.65	4.66	0.00	4.66
11.10	0.23	0.00	0.23	13.70	4.46	0.00	4.46
11.15	0.27	0.00	0.27	13.75	4.26	0.00	4.26
11.20	0.31	0.00	0.31	13.80	4.09	0.00	4.09
11.25	0.37	0.00	0.37	13.85	3.93	0.00	3.93
11.30	0.45	0.00	0.45	13.90	3.79	0.00	3.79
11.35	0.53	0.00	0.53	13.95	3.68	0.00	3.68
11.40	0.63	0.00	0.63	14.00	3.58	0.00	3.58
11.45	0.74	0.00	0.74	14.05	3.49	0.00	3.49
11.50	0.87	0.00	0.87	14.10	3.42	0.00	3.42
11.55	1.01	0.00	1.01	14.15	3.35	0.00	3.35
11.60	1.17	0.00	1.17	14.20	3.28	0.00	3.28
11.65	1.38	0.00	1.38	14.25	3.22	0.00	3.22
11.70	1.63	0.00	1.63	14.30	3.17	0.00	3.17
11.75	1.95	0.00	1.95	14.35	3.12	0.00	3.12
11.80	2.34	0.00	2.34	14.40	3.06	0.00	3.06
11.85	2.82	0.00	2.82	14.45	3.01	0.00	3.01
11.90	3.42	0.00	3.42	14.50	2.96	0.00	2.96
11.95	4.21	0.00	4.21	14.55	2.91	0.00	2.91
12.00	5.29	0.00	5.29	14.60	2.86	0.00	2.86
12.05	6.80	0.00	6.80	14.65	2.82	0.00	2.82
12.10	9.04	0.00	9.04	14.70	2.77	0.00	2.77
12.15	12.25	0.00	12.25	14.75	2.72	0.00	2.72
12.20	16.34	0.00	16.34	14.80	2.67	0.00	2.67
12.25	20.76	0.00	20.76	14.85	2.62	0.00	2.62
12.30	24.57	0.00	24.57	14.90	2.57	0.00	2.57
12.35	26.84	0.00	26.84	14.95	2.52	0.00	2.52
12.40	**27.45**	0.00	**27.45**	15.00	2.47	0.00	2.47
12.45	26.75	0.00	26.75	15.05	2.42	0.00	2.42
12.50	25.06	0.00	25.06	15.10	2.37	0.00	2.37
12.55	22.87	0.00	22.87	15.15	2.32	0.00	2.32
12.60	20.63	0.00	20.63	15.20	2.27	0.00	2.27
12.65	18.69	0.00	18.69	15.25	2.22	0.00	2.22
12.70	16.95	0.00	16.95	15.30	2.18	0.00	2.18
12.75	15.35	0.00	15.35	15.35	2.14	0.00	2.14
12.80	13.88	0.00	13.88	15.40	2.10	0.00	2.10
12.85	12.59	0.00	12.59	15.45	2.07	0.00	2.07
12.90	11.47	0.00	11.47	15.50	2.04	0.00	2.04
12.95	10.50	0.00	10.50	15.55	2.02	0.00	2.02

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	2.00	0.00	2.00	18.20	1.28	0.00	1.28
15.65	1.98	0.00	1.98	18.25	1.27	0.00	1.27
15.70	1.96	0.00	1.96	18.30	1.26	0.00	1.26
15.75	1.95	0.00	1.95	18.35	1.24	0.00	1.24
15.80	1.93	0.00	1.93	18.40	1.23	0.00	1.23
15.85	1.92	0.00	1.92	18.45	1.23	0.00	1.23
15.90	1.90	0.00	1.90	18.50	1.22	0.00	1.22
15.95	1.89	0.00	1.89	18.55	1.21	0.00	1.21
16.00	1.88	0.00	1.88	18.60	1.21	0.00	1.21
16.05	1.86	0.00	1.86	18.65	1.20	0.00	1.20
16.10	1.85	0.00	1.85	18.70	1.20	0.00	1.20
16.15	1.84	0.00	1.84	18.75	1.19	0.00	1.19
16.20	1.82	0.00	1.82	18.80	1.19	0.00	1.19
16.25	1.81	0.00	1.81	18.85	1.19	0.00	1.19
16.30	1.80	0.00	1.80	18.90	1.18	0.00	1.18
16.35	1.78	0.00	1.78	18.95	1.18	0.00	1.18
16.40	1.77	0.00	1.77	19.00	1.17	0.00	1.17
16.45	1.76	0.00	1.76	19.05	1.17	0.00	1.17
16.50	1.75	0.00	1.75	19.10	1.17	0.00	1.17
16.55	1.73	0.00	1.73	19.15	1.16	0.00	1.16
16.60	1.72	0.00	1.72	19.20	1.16	0.00	1.16
16.65	1.71	0.00	1.71	19.25	1.16	0.00	1.16
16.70	1.69	0.00	1.69	19.30	1.15	0.00	1.15
16.75	1.68	0.00	1.68	19.35	1.15	0.00	1.15
16.80	1.67	0.00	1.67	19.40	1.15	0.00	1.15
16.85	1.65	0.00	1.65	19.45	1.14	0.00	1.14
16.90	1.64	0.00	1.64	19.50	1.14	0.00	1.14
16.95	1.63	0.00	1.63	19.55	1.14	0.00	1.14
17.00	1.61	0.00	1.61	19.60	1.14	0.00	1.14
17.05	1.60	0.00	1.60	19.65	1.13	0.00	1.13
17.10	1.59	0.00	1.59	19.70	1.13	0.00	1.13
17.15	1.57	0.00	1.57	19.75	1.13	0.00	1.13
17.20	1.56	0.00	1.56	19.80	1.12	0.00	1.12
17.25	1.55	0.00	1.55	19.85	1.12	0.00	1.12
17.30	1.53	0.00	1.53	19.90	1.12	0.00	1.12
17.35	1.52	0.00	1.52	19.95	1.11	0.00	1.11
17.40	1.50	0.00	1.50	20.00	1.11	0.00	1.11
17.45	1.49	0.00	1.49	20.05	1.11	0.00	1.11
17.50	1.48	0.00	1.48	20.10	1.10	0.00	1.10
17.55	1.46	0.00	1.46	20.15	1.10	0.00	1.10
17.60	1.45	0.00	1.45	20.20	1.10	0.00	1.10
17.65	1.43	0.00	1.43	20.25	1.09	0.00	1.09
17.70	1.42	0.00	1.42	20.30	1.09	0.00	1.09
17.75	1.41	0.00	1.41	20.35	1.09	0.00	1.09
17.80	1.39	0.00	1.39	20.40	1.08	0.00	1.08
17.85	1.38	0.00	1.38	20.45	1.08	0.00	1.08
17.90	1.37	0.00	1.37	20.50	1.08	0.00	1.08
17.95	1.35	0.00	1.35	20.55	1.07	0.00	1.07
18.00	1.34	0.00	1.34	20.60	1.07	0.00	1.07
18.05	1.32	0.00	1.32	20.65	1.07	0.00	1.07
18.10	1.31	0.00	1.31	20.70	1.06	0.00	1.06
18.15	1.30	0.00	1.30	20.75	1.06	0.00	1.06

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	1.06	0.00	1.06	23.40	0.87	0.00	0.87
20.85	1.05	0.00	1.05	23.45	0.87	0.00	0.87
20.90	1.05	0.00	1.05	23.50	0.87	0.00	0.87
20.95	1.05	0.00	1.05	23.55	0.86	0.00	0.86
21.00	1.04	0.00	1.04	23.60	0.86	0.00	0.86
21.05	1.04	0.00	1.04	23.65	0.86	0.00	0.86
21.10	1.04	0.00	1.04	23.70	0.85	0.00	0.85
21.15	1.03	0.00	1.03	23.75	0.85	0.00	0.85
21.20	1.03	0.00	1.03	23.80	0.84	0.00	0.84
21.25	1.02	0.00	1.02	23.85	0.84	0.00	0.84
21.30	1.02	0.00	1.02	23.90	0.84	0.00	0.84
21.35	1.02	0.00	1.02	23.95	0.83	0.00	0.83
21.40	1.01	0.00	1.01	24.00	0.83	0.00	0.83
21.45	1.01	0.00	1.01	24.05	0.83	0.00	0.83
21.50	1.01	0.00	1.01	24.10	0.83	0.00	0.83
21.55	1.01	0.00	1.01	24.15	0.82	0.00	0.82
21.60	1.00	0.00	1.00	24.20	0.78	0.00	0.78
21.65	1.00	0.00	1.00	24.25	0.70	0.00	0.70
21.70	0.99	0.00	0.99	24.30	0.60	0.00	0.60
21.75	0.99	0.00	0.99	24.35	0.49	0.00	0.49
21.80	0.99	0.00	0.99	24.40	0.39	0.00	0.39
21.85	0.98	0.00	0.98	24.45	0.29	0.00	0.29
21.90	0.98	0.00	0.98	24.50	0.22	0.00	0.22
21.95	0.98	0.00	0.98	24.55	0.17	0.00	0.17
22.00	0.97	0.00	0.97	24.60	0.13	0.00	0.13
22.05	0.97	0.00	0.97	24.65	0.09	0.00	0.09
22.10	0.97	0.00	0.97	24.70	0.07	0.00	0.07
22.15	0.96	0.00	0.96	24.75	0.05	0.00	0.05
22.20	0.96	0.00	0.96	24.80	0.04	0.00	0.04
22.25	0.96	0.00	0.96	24.85	0.03	0.00	0.03
22.30	0.95	0.00	0.95	24.90	0.02	0.00	0.02
22.35	0.95	0.00	0.95	24.95	0.02	0.00	0.02
22.40	0.95	0.00	0.95	25.00	0.01	0.00	0.01
22.45	0.94	0.00	0.94	25.05	0.01	0.00	0.01
22.50	0.94	0.00	0.94	25.10	0.01	0.00	0.01
22.55	0.93	0.00	0.93	25.15	0.00	0.00	0.00
22.60	0.93	0.00	0.93	25.20	0.00	0.00	0.00
22.65	0.93	0.00	0.93	25.25	0.00	0.00	0.00
22.70	0.92	0.00	0.92	25.30	0.00	0.00	0.00
22.75	0.92	0.00	0.92	25.35	0.00	0.00	0.00
22.80	0.92	0.00	0.92	25.40	0.00	0.00	0.00
22.85	0.91	0.00	0.91	25.45	0.00	0.00	0.00
22.90	0.91	0.00	0.91	25.50	0.00	0.00	0.00
22.95	0.91	0.00	0.91	25.55	0.00	0.00	0.00
23.00	0.90	0.00	0.90	25.60	0.00	0.00	0.00
23.05	0.90	0.00	0.90	25.65	0.00	0.00	0.00
23.10	0.90	0.00	0.90	25.70	0.00	0.00	0.00
23.15	0.89	0.00	0.89	25.75	0.00	0.00	0.00
23.20	0.89	0.00	0.89	25.80	0.00	0.00	0.00
23.25	0.89	0.00	0.89	25.85	0.00	0.00	0.00
23.30	0.88	0.00	0.88	25.90	0.00	0.00	0.00
23.35	0.88	0.00	0.88	25.95	0.00	0.00	0.00

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

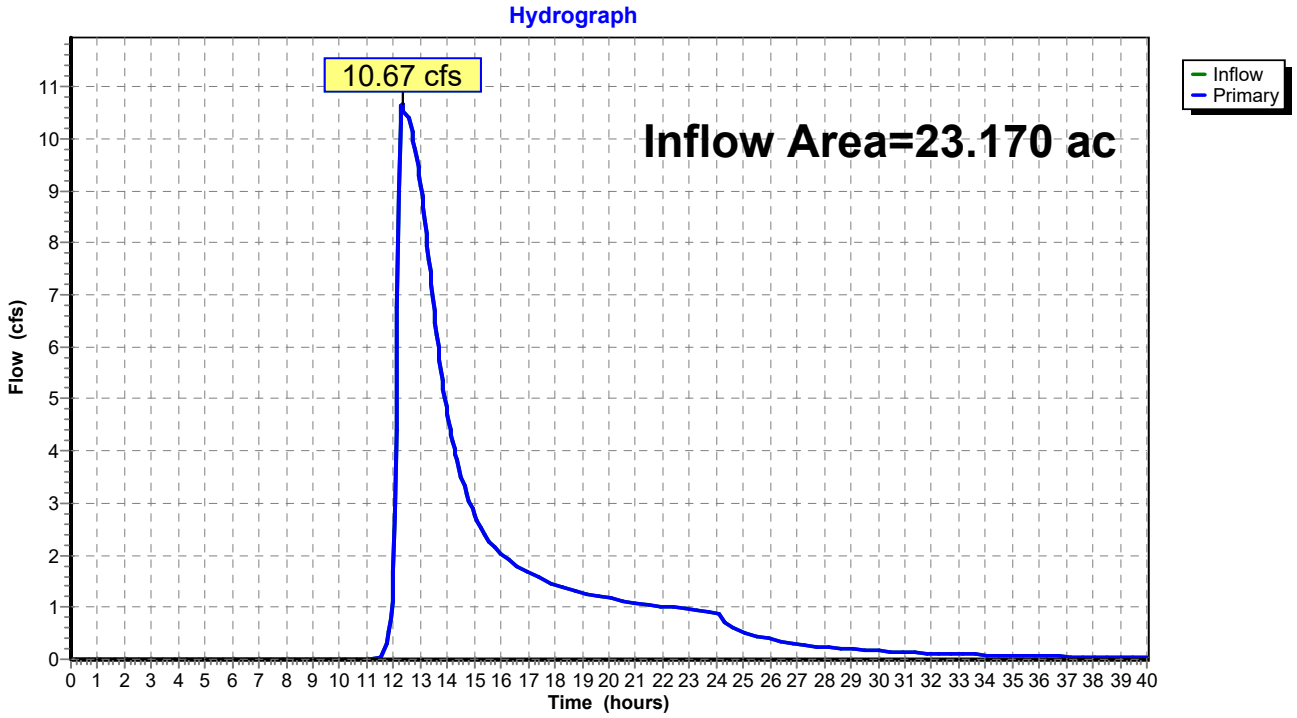
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link PDA-6ON: Proposed Onsite Drainage Area #6

Inflow Area = 23.170 ac, 25.64% Impervious, Inflow Depth > 1.49" for Future 2 yr event
Inflow = 10.67 cfs @ 12.31 hrs, Volume= 2.882 af
Primary = 10.67 cfs @ 12.31 hrs, Volume= 2.882 af, Atten= 0%, Lag= 0.0 min
Routed to Link PDA-6 : Proposed Drainage Area #6

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link PDA-6ON: Proposed Onsite Drainage Area #6



Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.00	0.00	0.00
7.40	0.00	0.00	0.00	10.00	0.00	0.00	0.00
7.45	0.00	0.00	0.00	10.05	0.00	0.00	0.00
7.50	0.00	0.00	0.00	10.10	0.00	0.00	0.00
7.55	0.00	0.00	0.00	10.15	0.00	0.00	0.00
7.60	0.00	0.00	0.00	10.20	0.00	0.00	0.00
7.65	0.00	0.00	0.00	10.25	0.00	0.00	0.00
7.70	0.00	0.00	0.00	10.30	0.00	0.00	0.00
7.75	0.00	0.00	0.00	10.35	0.00	0.00	0.00

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.00	0.00	0.00	13.00	9.10	0.00	9.10
10.45	0.00	0.00	0.00	13.05	8.89	0.00	8.89
10.50	0.00	0.00	0.00	13.10	8.67	0.00	8.67
10.55	0.00	0.00	0.00	13.15	8.43	0.00	8.43
10.60	0.00	0.00	0.00	13.20	8.19	0.00	8.19
10.65	0.00	0.00	0.00	13.25	7.94	0.00	7.94
10.70	0.00	0.00	0.00	13.30	7.69	0.00	7.69
10.75	0.00	0.00	0.00	13.35	7.44	0.00	7.44
10.80	0.00	0.00	0.00	13.40	7.19	0.00	7.19
10.85	0.00	0.00	0.00	13.45	6.95	0.00	6.95
10.90	0.00	0.00	0.00	13.50	6.70	0.00	6.70
10.95	0.00	0.00	0.00	13.55	6.45	0.00	6.45
11.00	0.00	0.00	0.00	13.60	6.22	0.00	6.22
11.05	0.00	0.00	0.00	13.65	5.98	0.00	5.98
11.10	0.00	0.00	0.00	13.70	5.76	0.00	5.76
11.15	0.00	0.00	0.00	13.75	5.55	0.00	5.55
11.20	0.00	0.00	0.00	13.80	5.36	0.00	5.36
11.25	0.00	0.00	0.00	13.85	5.18	0.00	5.18
11.30	0.00	0.00	0.00	13.90	5.01	0.00	5.01
11.35	0.00	0.00	0.00	13.95	4.85	0.00	4.85
11.40	0.00	0.00	0.00	14.00	4.70	0.00	4.70
11.45	0.00	0.00	0.00	14.05	4.56	0.00	4.56
11.50	0.00	0.00	0.00	14.10	4.42	0.00	4.42
11.55	0.02	0.00	0.02	14.15	4.29	0.00	4.29
11.60	0.04	0.00	0.04	14.20	4.17	0.00	4.17
11.65	0.09	0.00	0.09	14.25	4.05	0.00	4.05
11.70	0.16	0.00	0.16	14.30	3.94	0.00	3.94
11.75	0.25	0.00	0.25	14.35	3.83	0.00	3.83
11.80	0.37	0.00	0.37	14.40	3.73	0.00	3.73
11.85	0.53	0.00	0.53	14.45	3.63	0.00	3.63
11.90	0.76	0.00	0.76	14.50	3.54	0.00	3.54
11.95	1.12	0.00	1.12	14.55	3.45	0.00	3.45
12.00	1.68	0.00	1.68	14.60	3.37	0.00	3.37
12.05	2.71	0.00	2.71	14.65	3.29	0.00	3.29
12.10	4.41	0.00	4.41	14.70	3.21	0.00	3.21
12.15	6.75	0.00	6.75	14.75	3.13	0.00	3.13
12.20	9.00	0.00	9.00	14.80	3.06	0.00	3.06
12.25	10.31	0.00	10.31	14.85	2.99	0.00	2.99
12.30	**10.65**	0.00	**10.65**	14.90	2.92	0.00	2.92
12.35	10.56	0.00	10.56	14.95	2.86	0.00	2.86
12.40	10.47	0.00	10.47	15.00	2.79	0.00	2.79
12.45	10.43	0.00	10.43	15.05	2.73	0.00	2.73
12.50	10.42	0.00	10.42	15.10	2.67	0.00	2.67
12.55	10.45	0.00	10.45	15.15	2.62	0.00	2.62
12.60	10.44	0.00	10.44	15.20	2.56	0.00	2.56
12.65	10.33	0.00	10.33	15.25	2.51	0.00	2.51
12.70	10.14	0.00	10.14	15.30	2.46	0.00	2.46
12.75	9.95	0.00	9.95	15.35	2.42	0.00	2.42
12.80	9.79	0.00	9.79	15.40	2.38	0.00	2.38
12.85	9.63	0.00	9.63	15.45	2.34	0.00	2.34
12.90	9.47	0.00	9.47	15.50	2.31	0.00	2.31
12.95	9.29	0.00	9.29	15.55	2.28	0.00	2.28

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	2.24	0.00	2.24	18.20	1.38	0.00	1.38
15.65	2.21	0.00	2.21	18.25	1.37	0.00	1.37
15.70	2.18	0.00	2.18	18.30	1.37	0.00	1.37
15.75	2.16	0.00	2.16	18.35	1.36	0.00	1.36
15.80	2.13	0.00	2.13	18.40	1.35	0.00	1.35
15.85	2.10	0.00	2.10	18.45	1.34	0.00	1.34
15.90	2.07	0.00	2.07	18.50	1.34	0.00	1.34
15.95	2.05	0.00	2.05	18.55	1.33	0.00	1.33
16.00	2.03	0.00	2.03	18.60	1.32	0.00	1.32
16.05	2.00	0.00	2.00	18.65	1.31	0.00	1.31
16.10	1.98	0.00	1.98	18.70	1.31	0.00	1.31
16.15	1.96	0.00	1.96	18.75	1.30	0.00	1.30
16.20	1.94	0.00	1.94	18.80	1.30	0.00	1.30
16.25	1.92	0.00	1.92	18.85	1.29	0.00	1.29
16.30	1.90	0.00	1.90	18.90	1.28	0.00	1.28
16.35	1.88	0.00	1.88	18.95	1.28	0.00	1.28
16.40	1.86	0.00	1.86	19.00	1.27	0.00	1.27
16.45	1.84	0.00	1.84	19.05	1.27	0.00	1.27
16.50	1.83	0.00	1.83	19.10	1.26	0.00	1.26
16.55	1.81	0.00	1.81	19.15	1.25	0.00	1.25
16.60	1.79	0.00	1.79	19.20	1.25	0.00	1.25
16.65	1.78	0.00	1.78	19.25	1.24	0.00	1.24
16.70	1.76	0.00	1.76	19.30	1.24	0.00	1.24
16.75	1.75	0.00	1.75	19.35	1.23	0.00	1.23
16.80	1.73	0.00	1.73	19.40	1.23	0.00	1.23
16.85	1.72	0.00	1.72	19.45	1.22	0.00	1.22
16.90	1.70	0.00	1.70	19.50	1.22	0.00	1.22
16.95	1.69	0.00	1.69	19.55	1.21	0.00	1.21
17.00	1.68	0.00	1.68	19.60	1.21	0.00	1.21
17.05	1.66	0.00	1.66	19.65	1.20	0.00	1.20
17.10	1.65	0.00	1.65	19.70	1.20	0.00	1.20
17.15	1.63	0.00	1.63	19.75	1.19	0.00	1.19
17.20	1.62	0.00	1.62	19.80	1.19	0.00	1.19
17.25	1.61	0.00	1.61	19.85	1.18	0.00	1.18
17.30	1.59	0.00	1.59	19.90	1.18	0.00	1.18
17.35	1.58	0.00	1.58	19.95	1.18	0.00	1.18
17.40	1.57	0.00	1.57	20.00	1.17	0.00	1.17
17.45	1.56	0.00	1.56	20.05	1.17	0.00	1.17
17.50	1.54	0.00	1.54	20.10	1.16	0.00	1.16
17.55	1.53	0.00	1.53	20.15	1.16	0.00	1.16
17.60	1.52	0.00	1.52	20.20	1.15	0.00	1.15
17.65	1.51	0.00	1.51	20.25	1.15	0.00	1.15
17.70	1.50	0.00	1.50	20.30	1.14	0.00	1.14
17.75	1.48	0.00	1.48	20.35	1.14	0.00	1.14
17.80	1.47	0.00	1.47	20.40	1.14	0.00	1.14
17.85	1.46	0.00	1.46	20.45	1.13	0.00	1.13
17.90	1.45	0.00	1.45	20.50	1.13	0.00	1.13
17.95	1.44	0.00	1.44	20.55	1.12	0.00	1.12
18.00	1.43	0.00	1.43	20.60	1.12	0.00	1.12
18.05	1.42	0.00	1.42	20.65	1.12	0.00	1.12
18.10	1.40	0.00	1.40	20.70	1.11	0.00	1.11
18.15	1.39	0.00	1.39	20.75	1.11	0.00	1.11

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	1.11	0.00	1.11	23.40	0.93	0.00	0.93
20.85	1.10	0.00	1.10	23.45	0.92	0.00	0.92
20.90	1.10	0.00	1.10	23.50	0.92	0.00	0.92
20.95	1.09	0.00	1.09	23.55	0.92	0.00	0.92
21.00	1.09	0.00	1.09	23.60	0.91	0.00	0.91
21.05	1.09	0.00	1.09	23.65	0.91	0.00	0.91
21.10	1.08	0.00	1.08	23.70	0.91	0.00	0.91
21.15	1.08	0.00	1.08	23.75	0.90	0.00	0.90
21.20	1.07	0.00	1.07	23.80	0.90	0.00	0.90
21.25	1.07	0.00	1.07	23.85	0.90	0.00	0.90
21.30	1.07	0.00	1.07	23.90	0.89	0.00	0.89
21.35	1.06	0.00	1.06	23.95	0.89	0.00	0.89
21.40	1.06	0.00	1.06	24.00	0.89	0.00	0.89
21.45	1.06	0.00	1.06	24.05	0.89	0.00	0.89
21.50	1.05	0.00	1.05	24.10	0.88	0.00	0.88
21.55	1.05	0.00	1.05	24.15	0.84	0.00	0.84
21.60	1.05	0.00	1.05	24.20	0.78	0.00	0.78
21.65	1.04	0.00	1.04	24.25	0.73	0.00	0.73
21.70	1.04	0.00	1.04	24.30	0.69	0.00	0.69
21.75	1.04	0.00	1.04	24.35	0.67	0.00	0.67
21.80	1.03	0.00	1.03	24.40	0.65	0.00	0.65
21.85	1.03	0.00	1.03	24.45	0.63	0.00	0.63
21.90	1.03	0.00	1.03	24.50	0.62	0.00	0.62
21.95	1.02	0.00	1.02	24.55	0.61	0.00	0.61
22.00	1.02	0.00	1.02	24.60	0.60	0.00	0.60
22.05	1.01	0.00	1.01	24.65	0.59	0.00	0.59
22.10	1.01	0.00	1.01	24.70	0.58	0.00	0.58
22.15	1.01	0.00	1.01	24.75	0.57	0.00	0.57
22.20	1.01	0.00	1.01	24.80	0.56	0.00	0.56
22.25	1.00	0.00	1.00	24.85	0.55	0.00	0.55
22.30	1.00	0.00	1.00	24.90	0.54	0.00	0.54
22.35	1.00	0.00	1.00	24.95	0.53	0.00	0.53
22.40	0.99	0.00	0.99	25.00	0.53	0.00	0.53
22.45	0.99	0.00	0.99	25.05	0.52	0.00	0.52
22.50	0.99	0.00	0.99	25.10	0.51	0.00	0.51
22.55	0.98	0.00	0.98	25.15	0.50	0.00	0.50
22.60	0.98	0.00	0.98	25.20	0.49	0.00	0.49
22.65	0.98	0.00	0.98	25.25	0.49	0.00	0.49
22.70	0.97	0.00	0.97	25.30	0.48	0.00	0.48
22.75	0.97	0.00	0.97	25.35	0.47	0.00	0.47
22.80	0.97	0.00	0.97	25.40	0.47	0.00	0.47
22.85	0.96	0.00	0.96	25.45	0.46	0.00	0.46
22.90	0.96	0.00	0.96	25.50	0.45	0.00	0.45
22.95	0.96	0.00	0.96	25.55	0.45	0.00	0.45
23.00	0.95	0.00	0.95	25.60	0.44	0.00	0.44
23.05	0.95	0.00	0.95	25.65	0.43	0.00	0.43
23.10	0.95	0.00	0.95	25.70	0.43	0.00	0.43
23.15	0.94	0.00	0.94	25.75	0.42	0.00	0.42
23.20	0.94	0.00	0.94	25.80	0.41	0.00	0.41
23.25	0.94	0.00	0.94	25.85	0.41	0.00	0.41
23.30	0.93	0.00	0.93	25.90	0.40	0.00	0.40
23.35	0.93	0.00	0.93	25.95	0.40	0.00	0.40

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.39	0.00	0.39	28.60	0.21	0.00	0.21
26.05	0.39	0.00	0.39	28.65	0.21	0.00	0.21
26.10	0.38	0.00	0.38	28.70	0.20	0.00	0.20
26.15	0.37	0.00	0.37	28.75	0.20	0.00	0.20
26.20	0.37	0.00	0.37	28.80	0.20	0.00	0.20
26.25	0.36	0.00	0.36	28.85	0.20	0.00	0.20
26.30	0.36	0.00	0.36	28.90	0.20	0.00	0.20
26.35	0.35	0.00	0.35	28.95	0.19	0.00	0.19
26.40	0.35	0.00	0.35	29.00	0.19	0.00	0.19
26.45	0.34	0.00	0.34	29.05	0.19	0.00	0.19
26.50	0.34	0.00	0.34	29.10	0.19	0.00	0.19
26.55	0.33	0.00	0.33	29.15	0.19	0.00	0.19
26.60	0.33	0.00	0.33	29.20	0.18	0.00	0.18
26.65	0.32	0.00	0.32	29.25	0.18	0.00	0.18
26.70	0.32	0.00	0.32	29.30	0.18	0.00	0.18
26.75	0.32	0.00	0.32	29.35	0.18	0.00	0.18
26.80	0.31	0.00	0.31	29.40	0.18	0.00	0.18
26.85	0.31	0.00	0.31	29.45	0.17	0.00	0.17
26.90	0.30	0.00	0.30	29.50	0.17	0.00	0.17
26.95	0.30	0.00	0.30	29.55	0.17	0.00	0.17
27.00	0.29	0.00	0.29	29.60	0.17	0.00	0.17
27.05	0.29	0.00	0.29	29.65	0.17	0.00	0.17
27.10	0.29	0.00	0.29	29.70	0.17	0.00	0.17
27.15	0.28	0.00	0.28	29.75	0.16	0.00	0.16
27.20	0.28	0.00	0.28	29.80	0.16	0.00	0.16
27.25	0.28	0.00	0.28	29.85	0.16	0.00	0.16
27.30	0.28	0.00	0.28	29.90	0.16	0.00	0.16
27.35	0.27	0.00	0.27	29.95	0.16	0.00	0.16
27.40	0.27	0.00	0.27	30.00	0.16	0.00	0.16
27.45	0.27	0.00	0.27	30.05	0.15	0.00	0.15
27.50	0.26	0.00	0.26	30.10	0.15	0.00	0.15
27.55	0.26	0.00	0.26	30.15	0.15	0.00	0.15
27.60	0.26	0.00	0.26	30.20	0.15	0.00	0.15
27.65	0.26	0.00	0.26	30.25	0.15	0.00	0.15
27.70	0.25	0.00	0.25	30.30	0.15	0.00	0.15
27.75	0.25	0.00	0.25	30.35	0.15	0.00	0.15
27.80	0.25	0.00	0.25	30.40	0.14	0.00	0.14
27.85	0.24	0.00	0.24	30.45	0.14	0.00	0.14
27.90	0.24	0.00	0.24	30.50	0.14	0.00	0.14
27.95	0.24	0.00	0.24	30.55	0.14	0.00	0.14
28.00	0.24	0.00	0.24	30.60	0.14	0.00	0.14
28.05	0.23	0.00	0.23	30.65	0.14	0.00	0.14
28.10	0.23	0.00	0.23	30.70	0.14	0.00	0.14
28.15	0.23	0.00	0.23	30.75	0.14	0.00	0.14
28.20	0.23	0.00	0.23	30.80	0.13	0.00	0.13
28.25	0.23	0.00	0.23	30.85	0.13	0.00	0.13
28.30	0.22	0.00	0.22	30.90	0.13	0.00	0.13
28.35	0.22	0.00	0.22	30.95	0.13	0.00	0.13
28.40	0.22	0.00	0.22	31.00	0.13	0.00	0.13
28.45	0.22	0.00	0.22	31.05	0.13	0.00	0.13
28.50	0.21	0.00	0.21	31.10	0.13	0.00	0.13
28.55	0.21	0.00	0.21	31.15	0.13	0.00	0.13

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.13	0.00	0.13	33.80	0.09	0.00	0.09
31.25	0.12	0.00	0.12	33.85	0.09	0.00	0.09
31.30	0.12	0.00	0.12	33.90	0.09	0.00	0.09
31.35	0.12	0.00	0.12	33.95	0.09	0.00	0.09
31.40	0.12	0.00	0.12	34.00	0.08	0.00	0.08
31.45	0.12	0.00	0.12	34.05	0.08	0.00	0.08
31.50	0.12	0.00	0.12	34.10	0.08	0.00	0.08
31.55	0.12	0.00	0.12	34.15	0.08	0.00	0.08
31.60	0.12	0.00	0.12	34.20	0.08	0.00	0.08
31.65	0.12	0.00	0.12	34.25	0.08	0.00	0.08
31.70	0.12	0.00	0.12	34.30	0.08	0.00	0.08
31.75	0.12	0.00	0.12	34.35	0.08	0.00	0.08
31.80	0.12	0.00	0.12	34.40	0.08	0.00	0.08
31.85	0.12	0.00	0.12	34.45	0.08	0.00	0.08
31.90	0.11	0.00	0.11	34.50	0.08	0.00	0.08
31.95	0.11	0.00	0.11	34.55	0.08	0.00	0.08
32.00	0.11	0.00	0.11	34.60	0.08	0.00	0.08
32.05	0.11	0.00	0.11	34.65	0.08	0.00	0.08
32.10	0.11	0.00	0.11	34.70	0.08	0.00	0.08
32.15	0.11	0.00	0.11	34.75	0.08	0.00	0.08
32.20	0.11	0.00	0.11	34.80	0.07	0.00	0.07
32.25	0.11	0.00	0.11	34.85	0.07	0.00	0.07
32.30	0.11	0.00	0.11	34.90	0.07	0.00	0.07
32.35	0.11	0.00	0.11	34.95	0.07	0.00	0.07
32.40	0.11	0.00	0.11	35.00	0.07	0.00	0.07
32.45	0.11	0.00	0.11	35.05	0.07	0.00	0.07
32.50	0.11	0.00	0.11	35.10	0.07	0.00	0.07
32.55	0.10	0.00	0.10	35.15	0.07	0.00	0.07
32.60	0.10	0.00	0.10	35.20	0.07	0.00	0.07
32.65	0.10	0.00	0.10	35.25	0.07	0.00	0.07
32.70	0.10	0.00	0.10	35.30	0.07	0.00	0.07
32.75	0.10	0.00	0.10	35.35	0.07	0.00	0.07
32.80	0.10	0.00	0.10	35.40	0.07	0.00	0.07
32.85	0.10	0.00	0.10	35.45	0.07	0.00	0.07
32.90	0.10	0.00	0.10	35.50	0.07	0.00	0.07
32.95	0.10	0.00	0.10	35.55	0.07	0.00	0.07
33.00	0.10	0.00	0.10	35.60	0.07	0.00	0.07
33.05	0.10	0.00	0.10	35.65	0.06	0.00	0.06
33.10	0.10	0.00	0.10	35.70	0.06	0.00	0.06
33.15	0.10	0.00	0.10	35.75	0.06	0.00	0.06
33.20	0.10	0.00	0.10	35.80	0.06	0.00	0.06
33.25	0.09	0.00	0.09	35.85	0.06	0.00	0.06
33.30	0.09	0.00	0.09	35.90	0.06	0.00	0.06
33.35	0.09	0.00	0.09	35.95	0.06	0.00	0.06
33.40	0.09	0.00	0.09	36.00	0.06	0.00	0.06
33.45	0.09	0.00	0.09	36.05	0.06	0.00	0.06
33.50	0.09	0.00	0.09	36.10	0.06	0.00	0.06
33.55	0.09	0.00	0.09	36.15	0.06	0.00	0.06
33.60	0.09	0.00	0.09	36.20	0.06	0.00	0.06
33.65	0.09	0.00	0.09	36.25	0.06	0.00	0.06
33.70	0.09	0.00	0.09	36.30	0.06	0.00	0.06
33.75	0.09	0.00	0.09	36.35	0.06	0.00	0.06

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.06	0.00	0.06
36.45	0.06	0.00	0.06
36.50	0.06	0.00	0.06
36.55	0.06	0.00	0.06
36.60	0.06	0.00	0.06
36.65	0.05	0.00	0.05
36.70	0.05	0.00	0.05
36.75	0.05	0.00	0.05
36.80	0.05	0.00	0.05
36.85	0.05	0.00	0.05
36.90	0.05	0.00	0.05
36.95	0.05	0.00	0.05
37.00	0.05	0.00	0.05
37.05	0.05	0.00	0.05
37.10	0.05	0.00	0.05
37.15	0.05	0.00	0.05
37.20	0.05	0.00	0.05
37.25	0.05	0.00	0.05
37.30	0.05	0.00	0.05
37.35	0.05	0.00	0.05
37.40	0.05	0.00	0.05
37.45	0.05	0.00	0.05
37.50	0.05	0.00	0.05
37.55	0.05	0.00	0.05
37.60	0.05	0.00	0.05
37.65	0.05	0.00	0.05
37.70	0.05	0.00	0.05
37.75	0.05	0.00	0.05
37.80	0.05	0.00	0.05
37.85	0.04	0.00	0.04
37.90	0.04	0.00	0.04
37.95	0.04	0.00	0.04
38.00	0.04	0.00	0.04
38.05	0.04	0.00	0.04
38.10	0.04	0.00	0.04
38.15	0.04	0.00	0.04
38.20	0.04	0.00	0.04
38.25	0.04	0.00	0.04
38.30	0.04	0.00	0.04
38.35	0.04	0.00	0.04
38.40	0.04	0.00	0.04
38.45	0.04	0.00	0.04
38.50	0.04	0.00	0.04
38.55	0.04	0.00	0.04
38.60	0.04	0.00	0.04
38.65	0.04	0.00	0.04
38.70	0.04	0.00	0.04
38.75	0.04	0.00	0.04
38.80	0.04	0.00	0.04
38.85	0.04	0.00	0.04
38.90	0.04	0.00	0.04
38.95	0.04	0.00	0.04
39.00	0.04	0.00	0.04
39.05	0.04	0.00	0.04
39.10	0.04	0.00	0.04
39.15	0.04	0.00	0.04
39.20	0.04	0.00	0.04
39.25	0.04	0.00	0.04
39.30	0.03	0.00	0.03
39.35	0.03	0.00	0.03
39.40	0.03	0.00	0.03
39.45	0.03	0.00	0.03
39.50	0.03	0.00	0.03
39.55	0.03	0.00	0.03
39.60	0.03	0.00	0.03
39.65	0.03	0.00	0.03
39.70	0.03	0.00	0.03
39.75	0.03	0.00	0.03
39.80	0.03	0.00	0.03
39.85	0.03	0.00	0.03
39.90	0.03	0.00	0.03
39.95	0.03	0.00	0.03
40.00	0.03	0.00	0.03

Summary for Subcatchment 3S: PDA-6 (offsite pervious)

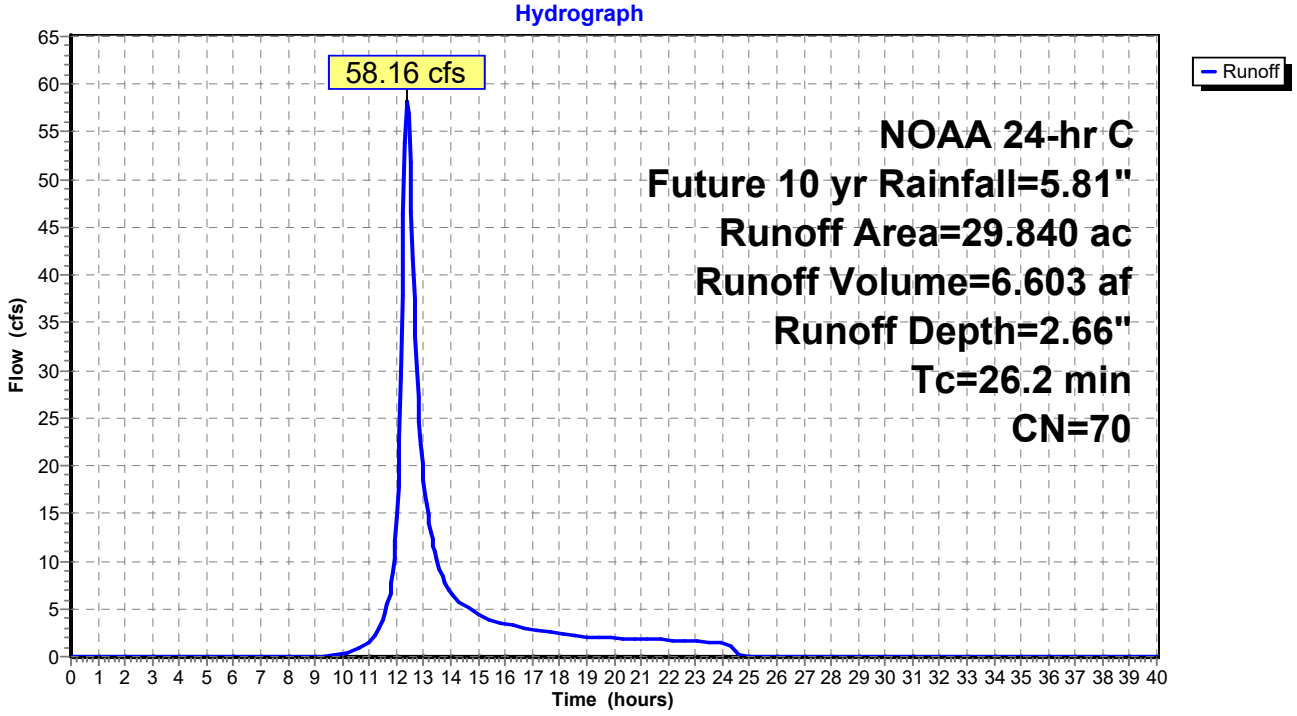
Runoff = 58.16 cfs @ 12.38 hrs, Volume= 6.603 af, Depth= 2.66"
Routed to Link PDA-6OF : Proposed Offsite Drainage Area #6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
13.160	71	Row crops, C&T, Good, HSG B
3.420	78	Row crops, C&T, Good, HSG C
4.100	55	Woods, Good, HSG B
6.460	70	Woods, Good, HSG C
2.700	77	Woods, Good, HSG D
29.840	70	Weighted Average
29.840		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
26.2					**Direct Entry,**

Subcatchment 3S: PDA-6 (offsite pervious)



Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.00
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.00
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.00
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.00
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.00
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.00
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.00
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.00
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.00
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.00
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.00
6.35	0.50	0.00	0.00	8.95	0.84	0.00	0.00
6.40	0.50	0.00	0.00	9.00	0.85	0.00	0.00
6.45	0.51	0.00	0.00	9.05	0.86	0.00	0.00
6.50	0.51	0.00	0.00	9.10	0.87	0.00	0.00
6.55	0.52	0.00	0.00	9.15	0.87	0.00	0.00
6.60	0.52	0.00	0.00	9.20	0.88	0.00	0.00
6.65	0.53	0.00	0.00	9.25	0.89	0.00	0.00
6.70	0.53	0.00	0.00	9.30	0.90	0.00	0.01
6.75	0.54	0.00	0.00	9.35	0.91	0.00	0.01
6.80	0.54	0.00	0.00	9.40	0.92	0.00	0.02
6.85	0.55	0.00	0.00	9.45	0.93	0.00	0.03
6.90	0.56	0.00	0.00	9.50	0.94	0.00	0.05
6.95	0.56	0.00	0.00	9.55	0.95	0.00	0.07
7.00	0.57	0.00	0.00	9.60	0.96	0.00	0.09
7.05	0.57	0.00	0.00	9.65	0.98	0.00	0.11
7.10	0.58	0.00	0.00	9.70	0.99	0.00	0.14
7.15	0.58	0.00	0.00	9.75	1.00	0.00	0.16
7.20	0.59	0.00	0.00	9.80	1.01	0.01	0.19
7.25	0.60	0.00	0.00	9.85	1.02	0.01	0.22
7.30	0.60	0.00	0.00	9.90	1.03	0.01	0.26
7.35	0.61	0.00	0.00	9.95	1.05	0.01	0.29
7.40	0.62	0.00	0.00	10.00	1.06	0.01	0.33
7.45	0.62	0.00	0.00	10.05	1.07	0.01	0.37
7.50	0.63	0.00	0.00	10.10	1.09	0.01	0.41
7.55	0.64	0.00	0.00	10.15	1.10	0.01	0.45
7.60	0.64	0.00	0.00	10.20	1.11	0.01	0.49
7.65	0.65	0.00	0.00	10.25	1.13	0.02	0.54
7.70	0.65	0.00	0.00	10.30	1.14	0.02	0.58
7.75	0.66	0.00	0.00	10.35	1.15	0.02	0.63

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.02	0.68	13.00	4.42	1.61	18.54
10.45	1.18	0.02	0.73	13.05	4.44	1.63	17.15
10.50	1.20	0.03	0.79	13.10	4.46	1.65	15.96
10.55	1.21	0.03	0.84	13.15	4.48	1.66	14.91
10.60	1.23	0.03	0.90	13.20	4.50	1.68	13.96
10.65	1.25	0.03	0.96	13.25	4.52	1.69	13.11
10.70	1.27	0.04	1.03	13.30	4.54	1.70	12.34
10.75	1.29	0.04	1.11	13.35	4.56	1.72	11.65
10.80	1.31	0.04	1.20	13.40	4.58	1.73	11.01
10.85	1.33	0.05	1.30	13.45	4.60	1.74	10.44
10.90	1.35	0.05	1.41	13.50	4.61	1.75	9.91
10.95	1.37	0.06	1.53	13.55	4.63	1.76	9.44
11.00	1.39	0.06	1.66	13.60	4.64	1.77	9.01
11.05	1.42	0.07	1.80	13.65	4.66	1.79	8.61
11.10	1.45	0.07	1.96	13.70	4.67	1.80	8.22
11.15	1.48	0.08	2.12	13.75	4.68	1.81	7.86
11.20	1.51	0.09	2.31	13.80	4.70	1.82	7.53
11.25	1.54	0.09	2.52	13.85	4.71	1.82	7.23
11.30	1.57	0.10	2.76	13.90	4.72	1.83	6.97
11.35	1.61	0.11	3.02	13.95	4.74	1.84	6.75
11.40	1.64	0.12	3.30	14.00	4.75	1.85	6.56
11.45	1.68	0.13	3.62	14.05	4.76	1.86	6.40
11.50	1.72	0.14	3.95	14.10	4.78	1.87	6.25
11.55	1.78	0.16	4.32	14.15	4.79	1.88	6.12
11.60	1.83	0.18	4.74	14.20	4.80	1.89	6.00
11.65	1.90	0.20	5.25	14.25	4.81	1.90	5.89
11.70	1.96	0.22	5.89	14.30	4.82	1.91	5.79
11.75	2.04	0.26	6.69	14.35	4.83	1.91	5.69
11.80	2.13	0.29	7.67	14.40	4.85	1.92	5.59
11.85	2.25	0.34	8.83	14.45	4.86	1.93	5.49
11.90	2.36	0.39	10.26	14.50	4.87	1.94	5.39
11.95	2.57	0.49	12.09	14.55	4.88	1.95	5.30
12.00	2.77	0.59	14.53	14.60	4.89	1.95	5.21
12.05	3.11	0.78	17.86	14.65	4.90	1.96	5.12
12.10	3.45	0.98	22.69	14.70	4.91	1.97	5.03
12.15	3.56	1.05	29.40	14.75	4.92	1.97	4.93
12.20	3.68	1.12	37.73	14.80	4.93	1.98	4.84
12.25	3.77	1.18	46.46	14.85	4.94	1.99	4.75
12.30	3.85	1.23	53.68	14.90	4.94	2.00	4.66
12.35	3.91	1.27	57.57	14.95	4.95	2.00	4.56
12.40	3.98	1.31	**58.01**	15.00	4.96	2.01	4.47
12.45	4.03	1.35	55.81	15.05	4.97	2.01	4.38
12.50	4.09	1.39	51.68	15.10	4.98	2.02	4.29
12.55	4.13	1.42	46.65	15.15	4.99	2.03	4.19
12.60	4.17	1.44	41.69	15.20	4.99	2.03	4.10
12.65	4.20	1.47	37.43	15.25	5.00	2.04	4.01
12.70	4.24	1.49	33.67	15.30	5.01	2.04	3.93
12.75	4.27	1.51	30.26	15.35	5.02	2.05	3.86
12.80	4.30	1.54	27.19	15.40	5.03	2.06	3.79
12.85	4.33	1.56	24.51	15.45	5.03	2.06	3.73
12.90	4.36	1.58	22.20	15.50	5.04	2.07	3.68
12.95	4.39	1.60	20.21	15.55	5.05	2.07	3.64

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	2.08	3.60	18.20	5.37	2.31	2.28
15.65	5.06	2.08	3.57	18.25	5.37	2.32	2.25
15.70	5.07	2.09	3.53	18.30	5.38	2.32	2.23
15.75	5.08	2.09	3.51	18.35	5.38	2.32	2.21
15.80	5.09	2.10	3.48	18.40	5.39	2.33	2.19
15.85	5.09	2.11	3.45	18.45	5.39	2.33	2.17
15.90	5.10	2.11	3.42	18.50	5.40	2.33	2.16
15.95	5.11	2.12	3.39	18.55	5.40	2.34	2.15
16.00	5.11	2.12	3.37	18.60	5.40	2.34	2.14
16.05	5.12	2.13	3.34	18.65	5.41	2.34	2.13
16.10	5.13	2.13	3.32	18.70	5.41	2.35	2.12
16.15	5.13	2.14	3.30	18.75	5.42	2.35	2.11
16.20	5.14	2.14	3.27	18.80	5.42	2.35	2.11
16.25	5.15	2.15	3.25	18.85	5.43	2.36	2.10
16.30	5.16	2.15	3.22	18.90	5.43	2.36	2.09
16.35	5.16	2.16	3.20	18.95	5.44	2.37	2.09
16.40	5.17	2.16	3.18	19.00	5.44	2.37	2.08
16.45	5.17	2.17	3.15	19.05	5.44	2.37	2.07
16.50	5.18	2.17	3.13	19.10	5.45	2.38	2.07
16.55	5.19	2.18	3.10	19.15	5.45	2.38	2.06
16.60	5.19	2.18	3.08	19.20	5.46	2.38	2.06
16.65	5.20	2.19	3.05	19.25	5.46	2.39	2.05
16.70	5.21	2.19	3.03	19.30	5.47	2.39	2.04
16.75	5.21	2.20	3.00	19.35	5.47	2.39	2.04
16.80	5.22	2.20	2.98	19.40	5.48	2.40	2.03
16.85	5.23	2.20	2.95	19.45	5.48	2.40	2.02
16.90	5.23	2.21	2.93	19.50	5.48	2.40	2.02
16.95	5.24	2.21	2.90	19.55	5.49	2.41	2.01
17.00	5.24	2.22	2.88	19.60	5.49	2.41	2.01
17.05	5.25	2.22	2.86	19.65	5.50	2.41	2.00
17.10	5.25	2.23	2.83	19.70	5.50	2.41	1.99
17.15	5.26	2.23	2.81	19.75	5.50	2.42	1.99
17.20	5.27	2.24	2.78	19.80	5.51	2.42	1.98
17.25	5.27	2.24	2.76	19.85	5.51	2.42	1.98
17.30	5.28	2.24	2.73	19.90	5.52	2.43	1.97
17.35	5.28	2.25	2.71	19.95	5.52	2.43	1.97
17.40	5.29	2.25	2.68	20.00	5.53	2.43	1.96
17.45	5.29	2.26	2.66	20.05	5.53	2.44	1.95
17.50	5.30	2.26	2.63	20.10	5.53	2.44	1.95
17.55	5.30	2.26	2.60	20.15	5.54	2.44	1.94
17.60	5.31	2.27	2.58	20.20	5.54	2.45	1.93
17.65	5.31	2.27	2.55	20.25	5.55	2.45	1.93
17.70	5.32	2.28	2.53	20.30	5.55	2.45	1.92
17.75	5.33	2.28	2.50	20.35	5.55	2.46	1.92
17.80	5.33	2.28	2.48	20.40	5.56	2.46	1.91
17.85	5.34	2.29	2.45	20.45	5.56	2.46	1.90
17.90	5.34	2.29	2.43	20.50	5.57	2.47	1.90
17.95	5.34	2.30	2.40	20.55	5.57	2.47	1.89
18.00	5.35	2.30	2.38	20.60	5.57	2.47	1.88
18.05	5.35	2.30	2.35	20.65	5.58	2.47	1.88
18.10	5.36	2.31	2.33	20.70	5.58	2.48	1.87
18.15	5.36	2.31	2.30	20.75	5.59	2.48	1.87

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.48	1.86	23.40	5.77	2.63	1.53
20.85	5.59	2.49	1.85	23.45	5.78	2.63	1.52
20.90	5.60	2.49	1.85	23.50	5.78	2.63	1.51
20.95	5.60	2.49	1.84	23.55	5.78	2.63	1.51
21.00	5.61	2.50	1.84	23.60	5.78	2.64	1.50
21.05	5.61	2.50	1.83	23.65	5.79	2.64	1.50
21.10	5.61	2.50	1.82	23.70	5.79	2.64	1.49
21.15	5.62	2.50	1.81	23.75	5.79	2.64	1.48
21.20	5.62	2.51	1.81	23.80	5.80	2.64	1.48
21.25	5.62	2.51	1.80	23.85	5.80	2.65	1.47
21.30	5.63	2.51	1.80	23.90	5.80	2.65	1.46
21.35	5.63	2.52	1.79	23.95	5.81	2.65	1.46
21.40	5.64	2.52	1.78	24.00	**5.81**	**2.66**	1.45
21.45	5.64	2.52	1.78	24.05	5.81	2.66	1.46
21.50	5.64	2.52	1.77	24.10	5.81	2.66	1.45
21.55	5.65	2.53	1.77	24.15	5.81	2.66	1.43
21.60	5.65	2.53	1.76	24.20	5.81	2.66	1.35
21.65	5.65	2.53	1.75	24.25	5.81	2.66	1.22
21.70	5.66	2.54	1.75	24.30	5.81	2.66	1.05
21.75	5.66	2.54	1.74	24.35	5.81	2.66	0.86
21.80	5.66	2.54	1.73	24.40	5.81	2.66	0.68
21.85	5.67	2.54	1.73	24.45	5.81	2.66	0.51
21.90	5.67	2.55	1.72	24.50	5.81	2.66	0.38
21.95	5.68	2.55	1.71	24.55	5.81	2.66	0.29
22.00	5.68	2.55	1.71	24.60	5.81	2.66	0.22
22.05	5.68	2.56	1.70	24.65	5.81	2.66	0.16
22.10	5.69	2.56	1.70	24.70	5.81	2.66	0.12
22.15	5.69	2.56	1.69	24.75	5.81	2.66	0.09
22.20	5.69	2.56	1.68	24.80	5.81	2.66	0.07
22.25	5.70	2.57	1.68	24.85	5.81	2.66	0.05
22.30	5.70	2.57	1.67	24.90	5.81	2.66	0.04
22.35	5.70	2.57	1.66	24.95	5.81	2.66	0.03
22.40	5.71	2.57	1.66	25.00	5.81	2.66	0.02
22.45	5.71	2.58	1.65	25.05	5.81	2.66	0.02
22.50	5.71	2.58	1.65	25.10	5.81	2.66	0.01
22.55	5.72	2.58	1.64	25.15	5.81	2.66	0.01
22.60	5.72	2.58	1.63	25.20	5.81	2.66	0.01
22.65	5.72	2.59	1.62	25.25	5.81	2.66	0.00
22.70	5.73	2.59	1.62	25.30	5.81	2.66	0.00
22.75	5.73	2.59	1.61	25.35	5.81	2.66	0.00
22.80	5.73	2.60	1.61	25.40	5.81	2.66	0.00
22.85	5.74	2.60	1.60	25.45	5.81	2.66	0.00
22.90	5.74	2.60	1.59	25.50	5.81	2.66	0.00
22.95	5.74	2.60	1.59	25.55	5.81	2.66	0.00
23.00	5.75	2.61	1.58	25.60	5.81	2.66	0.00
23.05	5.75	2.61	1.57	25.65	5.81	2.66	0.00
23.10	5.75	2.61	1.57	25.70	5.81	2.66	0.00
23.15	5.76	2.61	1.56	25.75	5.81	2.66	0.00
23.20	5.76	2.62	1.55	25.80	5.81	2.66	0.00
23.25	5.76	2.62	1.55	25.85	5.81	2.66	0.00
23.30	5.77	2.62	1.54	25.90	5.81	2.66	0.00
23.35	5.77	2.62	1.53	25.95	5.81	2.66	0.00

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	2.66	0.00	28.60	5.81	2.66	0.00
26.05	5.81	2.66	0.00	28.65	5.81	2.66	0.00
26.10	5.81	2.66	0.00	28.70	5.81	2.66	0.00
26.15	5.81	2.66	0.00	28.75	5.81	2.66	0.00
26.20	5.81	2.66	0.00	28.80	5.81	2.66	0.00
26.25	5.81	2.66	0.00	28.85	5.81	2.66	0.00
26.30	5.81	2.66	0.00	28.90	5.81	2.66	0.00
26.35	5.81	2.66	0.00	28.95	5.81	2.66	0.00
26.40	5.81	2.66	0.00	29.00	5.81	2.66	0.00
26.45	5.81	2.66	0.00	29.05	5.81	2.66	0.00
26.50	5.81	2.66	0.00	29.10	5.81	2.66	0.00
26.55	5.81	2.66	0.00	29.15	5.81	2.66	0.00
26.60	5.81	2.66	0.00	29.20	5.81	2.66	0.00
26.65	5.81	2.66	0.00	29.25	5.81	2.66	0.00
26.70	5.81	2.66	0.00	29.30	5.81	2.66	0.00
26.75	5.81	2.66	0.00	29.35	5.81	2.66	0.00
26.80	5.81	2.66	0.00	29.40	5.81	2.66	0.00
26.85	5.81	2.66	0.00	29.45	5.81	2.66	0.00
26.90	5.81	2.66	0.00	29.50	5.81	2.66	0.00
26.95	5.81	2.66	0.00	29.55	5.81	2.66	0.00
27.00	5.81	2.66	0.00	29.60	5.81	2.66	0.00
27.05	5.81	2.66	0.00	29.65	5.81	2.66	0.00
27.10	5.81	2.66	0.00	29.70	5.81	2.66	0.00
27.15	5.81	2.66	0.00	29.75	5.81	2.66	0.00
27.20	5.81	2.66	0.00	29.80	5.81	2.66	0.00
27.25	5.81	2.66	0.00	29.85	5.81	2.66	0.00
27.30	5.81	2.66	0.00	29.90	5.81	2.66	0.00
27.35	5.81	2.66	0.00	29.95	5.81	2.66	0.00
27.40	5.81	2.66	0.00	30.00	5.81	2.66	0.00
27.45	5.81	2.66	0.00	30.05	5.81	2.66	0.00
27.50	5.81	2.66	0.00	30.10	5.81	2.66	0.00
27.55	5.81	2.66	0.00	30.15	5.81	2.66	0.00
27.60	5.81	2.66	0.00	30.20	5.81	2.66	0.00
27.65	5.81	2.66	0.00	30.25	5.81	2.66	0.00
27.70	5.81	2.66	0.00	30.30	5.81	2.66	0.00
27.75	5.81	2.66	0.00	30.35	5.81	2.66	0.00
27.80	5.81	2.66	0.00	30.40	5.81	2.66	0.00
27.85	5.81	2.66	0.00	30.45	5.81	2.66	0.00
27.90	5.81	2.66	0.00	30.50	5.81	2.66	0.00
27.95	5.81	2.66	0.00	30.55	5.81	2.66	0.00
28.00	5.81	2.66	0.00	30.60	5.81	2.66	0.00
28.05	5.81	2.66	0.00	30.65	5.81	2.66	0.00
28.10	5.81	2.66	0.00	30.70	5.81	2.66	0.00
28.15	5.81	2.66	0.00	30.75	5.81	2.66	0.00
28.20	5.81	2.66	0.00	30.80	5.81	2.66	0.00
28.25	5.81	2.66	0.00	30.85	5.81	2.66	0.00
28.30	5.81	2.66	0.00	30.90	5.81	2.66	0.00
28.35	5.81	2.66	0.00	30.95	5.81	2.66	0.00
28.40	5.81	2.66	0.00	31.00	5.81	2.66	0.00
28.45	5.81	2.66	0.00	31.05	5.81	2.66	0.00
28.50	5.81	2.66	0.00	31.10	5.81	2.66	0.00
28.55	5.81	2.66	0.00	31.15	5.81	2.66	0.00

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	2.66	0.00	33.80	5.81	2.66	0.00
31.25	5.81	2.66	0.00	33.85	5.81	2.66	0.00
31.30	5.81	2.66	0.00	33.90	5.81	2.66	0.00
31.35	5.81	2.66	0.00	33.95	5.81	2.66	0.00
31.40	5.81	2.66	0.00	34.00	5.81	2.66	0.00
31.45	5.81	2.66	0.00	34.05	5.81	2.66	0.00
31.50	5.81	2.66	0.00	34.10	5.81	2.66	0.00
31.55	5.81	2.66	0.00	34.15	5.81	2.66	0.00
31.60	5.81	2.66	0.00	34.20	5.81	2.66	0.00
31.65	5.81	2.66	0.00	34.25	5.81	2.66	0.00
31.70	5.81	2.66	0.00	34.30	5.81	2.66	0.00
31.75	5.81	2.66	0.00	34.35	5.81	2.66	0.00
31.80	5.81	2.66	0.00	34.40	5.81	2.66	0.00
31.85	5.81	2.66	0.00	34.45	5.81	2.66	0.00
31.90	5.81	2.66	0.00	34.50	5.81	2.66	0.00
31.95	5.81	2.66	0.00	34.55	5.81	2.66	0.00
32.00	5.81	2.66	0.00	34.60	5.81	2.66	0.00
32.05	5.81	2.66	0.00	34.65	5.81	2.66	0.00
32.10	5.81	2.66	0.00	34.70	5.81	2.66	0.00
32.15	5.81	2.66	0.00	34.75	5.81	2.66	0.00
32.20	5.81	2.66	0.00	34.80	5.81	2.66	0.00
32.25	5.81	2.66	0.00	34.85	5.81	2.66	0.00
32.30	5.81	2.66	0.00	34.90	5.81	2.66	0.00
32.35	5.81	2.66	0.00	34.95	5.81	2.66	0.00
32.40	5.81	2.66	0.00	35.00	5.81	2.66	0.00
32.45	5.81	2.66	0.00	35.05	5.81	2.66	0.00
32.50	5.81	2.66	0.00	35.10	5.81	2.66	0.00
32.55	5.81	2.66	0.00	35.15	5.81	2.66	0.00
32.60	5.81	2.66	0.00	35.20	5.81	2.66	0.00
32.65	5.81	2.66	0.00	35.25	5.81	2.66	0.00
32.70	5.81	2.66	0.00	35.30	5.81	2.66	0.00
32.75	5.81	2.66	0.00	35.35	5.81	2.66	0.00
32.80	5.81	2.66	0.00	35.40	5.81	2.66	0.00
32.85	5.81	2.66	0.00	35.45	5.81	2.66	0.00
32.90	5.81	2.66	0.00	35.50	5.81	2.66	0.00
32.95	5.81	2.66	0.00	35.55	5.81	2.66	0.00
33.00	5.81	2.66	0.00	35.60	5.81	2.66	0.00
33.05	5.81	2.66	0.00	35.65	5.81	2.66	0.00
33.10	5.81	2.66	0.00	35.70	5.81	2.66	0.00
33.15	5.81	2.66	0.00	35.75	5.81	2.66	0.00
33.20	5.81	2.66	0.00	35.80	5.81	2.66	0.00
33.25	5.81	2.66	0.00	35.85	5.81	2.66	0.00
33.30	5.81	2.66	0.00	35.90	5.81	2.66	0.00
33.35	5.81	2.66	0.00	35.95	5.81	2.66	0.00
33.40	5.81	2.66	0.00	36.00	5.81	2.66	0.00
33.45	5.81	2.66	0.00	36.05	5.81	2.66	0.00
33.50	5.81	2.66	0.00	36.10	5.81	2.66	0.00
33.55	5.81	2.66	0.00	36.15	5.81	2.66	0.00
33.60	5.81	2.66	0.00	36.20	5.81	2.66	0.00
33.65	5.81	2.66	0.00	36.25	5.81	2.66	0.00
33.70	5.81	2.66	0.00	36.30	5.81	2.66	0.00
33.75	5.81	2.66	0.00	36.35	5.81	2.66	0.00

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	2.66	0.00
36.45	5.81	2.66	0.00
36.50	5.81	2.66	0.00
36.55	5.81	2.66	0.00
36.60	5.81	2.66	0.00
36.65	5.81	2.66	0.00
36.70	5.81	2.66	0.00
36.75	5.81	2.66	0.00
36.80	5.81	2.66	0.00
36.85	5.81	2.66	0.00
36.90	5.81	2.66	0.00
36.95	5.81	2.66	0.00
37.00	5.81	2.66	0.00
37.05	5.81	2.66	0.00
37.10	5.81	2.66	0.00
37.15	5.81	2.66	0.00
37.20	5.81	2.66	0.00
37.25	5.81	2.66	0.00
37.30	5.81	2.66	0.00
37.35	5.81	2.66	0.00
37.40	5.81	2.66	0.00
37.45	5.81	2.66	0.00
37.50	5.81	2.66	0.00
37.55	5.81	2.66	0.00
37.60	5.81	2.66	0.00
37.65	5.81	2.66	0.00
37.70	5.81	2.66	0.00
37.75	5.81	2.66	0.00
37.80	5.81	2.66	0.00
37.85	5.81	2.66	0.00
37.90	5.81	2.66	0.00
37.95	5.81	2.66	0.00
38.00	5.81	2.66	0.00
38.05	5.81	2.66	0.00
38.10	5.81	2.66	0.00
38.15	5.81	2.66	0.00
38.20	5.81	2.66	0.00
38.25	5.81	2.66	0.00
38.30	5.81	2.66	0.00
38.35	5.81	2.66	0.00
38.40	5.81	2.66	0.00
38.45	5.81	2.66	0.00
38.50	5.81	2.66	0.00
38.55	5.81	2.66	0.00
38.60	5.81	2.66	0.00
38.65	5.81	2.66	0.00
38.70	5.81	2.66	0.00
38.75	5.81	2.66	0.00
38.80	5.81	2.66	0.00
38.85	5.81	2.66	0.00
38.90	5.81	2.66	0.00
38.95	5.81	2.66	0.00
39.00	5.81	2.66	0.00
39.05	5.81	2.66	0.00
39.10	5.81	2.66	0.00
39.15	5.81	2.66	0.00
39.20	5.81	2.66	0.00
39.25	5.81	2.66	0.00
39.30	5.81	2.66	0.00
39.35	5.81	2.66	0.00
39.40	5.81	2.66	0.00
39.45	5.81	2.66	0.00
39.50	5.81	2.66	0.00
39.55	5.81	2.66	0.00
39.60	5.81	2.66	0.00
39.65	5.81	2.66	0.00
39.70	5.81	2.66	0.00
39.75	5.81	2.66	0.00
39.80	5.81	2.66	0.00
39.85	5.81	2.66	0.00
39.90	5.81	2.66	0.00
39.95	5.81	2.66	0.00
40.00	5.81	2.66	0.00

Summary for Subcatchment 4S: PDA-6 (offsite impervious)

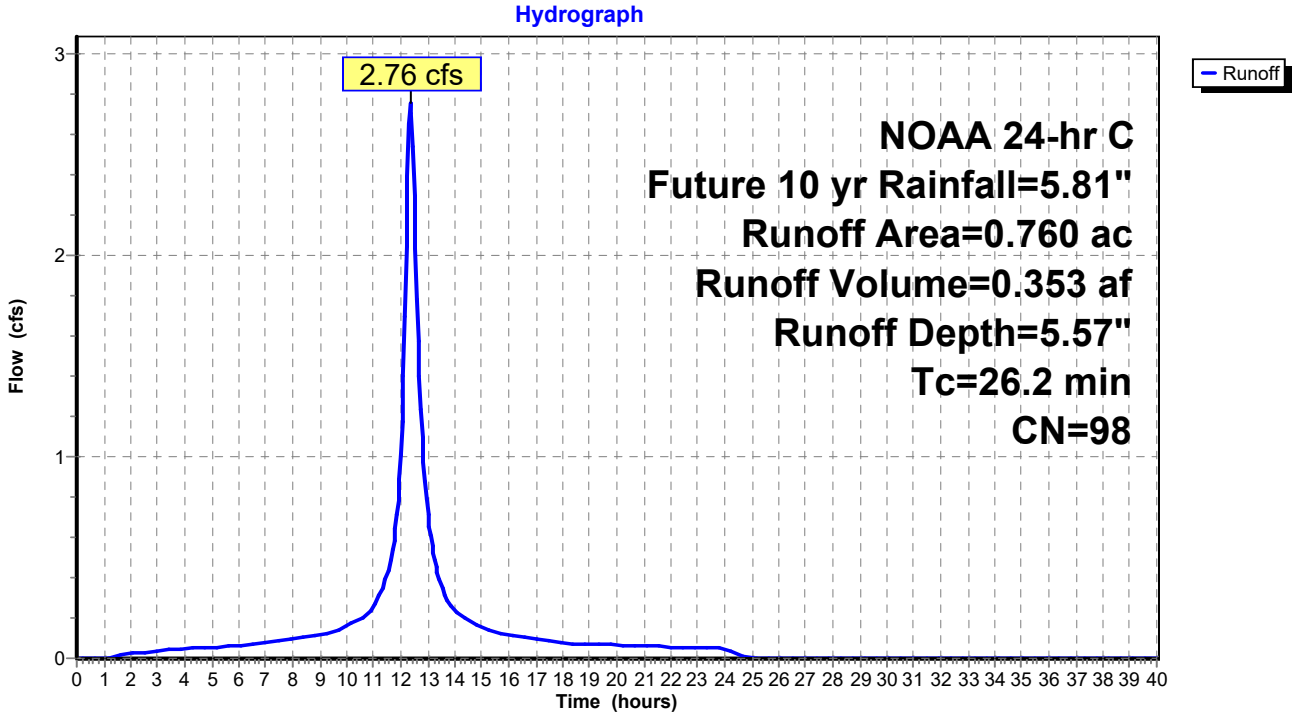
Runoff = 2.76 cfs @ 12.36 hrs, Volume= 0.353 af, Depth= 5.57"
Routed to Link PDA-6OF : Proposed Offsite Drainage Area #6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

	Area (ac)	CN	Description
*	0.760	98	
	0.760		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
26.2					**Direct Entry,**

Subcatchment 4S: PDA-6 (offsite impervious)



Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.05	0.03
0.05	0.00	0.00	0.00	2.65	0.18	0.06	0.03
0.10	0.01	0.00	0.00	2.70	0.18	0.06	0.03
0.15	0.01	0.00	0.00	2.75	0.19	0.06	0.03
0.20	0.01	0.00	0.00	2.80	0.19	0.06	0.03
0.25	0.02	0.00	0.00	2.85	0.19	0.07	0.03
0.30	0.02	0.00	0.00	2.90	0.20	0.07	0.03
0.35	0.02	0.00	0.00	2.95	0.20	0.07	0.04
0.40	0.03	0.00	0.00	3.00	0.20	0.07	0.04
0.45	0.03	0.00	0.00	3.05	0.21	0.08	0.04
0.50	0.03	0.00	0.00	3.10	0.21	0.08	0.04
0.55	0.03	0.00	0.00	3.15	0.22	0.08	0.04
0.60	0.04	0.00	0.00	3.20	0.22	0.08	0.04
0.65	0.04	0.00	0.00	3.25	0.22	0.09	0.04
0.70	0.04	0.00	0.00	3.30	0.23	0.09	0.04
0.75	0.05	0.00	0.00	3.35	0.23	0.09	0.04
0.80	0.05	0.00	0.00	3.40	0.24	0.10	0.04
0.85	0.05	0.00	0.00	3.45	0.24	0.10	0.04
0.90	0.06	0.00	0.00	3.50	0.24	0.10	0.04
0.95	0.06	0.00	0.00	3.55	0.25	0.10	0.04
1.00	0.06	0.00	0.00	3.60	0.25	0.11	0.04
1.05	0.07	0.00	0.00	3.65	0.26	0.11	0.04
1.10	0.07	0.00	0.00	3.70	0.26	0.11	0.04
1.15	0.07	0.00	0.00	3.75	0.26	0.12	0.04
1.20	0.08	0.01	0.00	3.80	0.27	0.12	0.04
1.25	0.08	0.01	0.01	3.85	0.27	0.12	0.05
1.30	0.08	0.01	0.01	3.90	0.28	0.13	0.05
1.35	0.09	0.01	0.01	3.95	0.28	0.13	0.05
1.40	0.09	0.01	0.01	4.00	0.28	0.13	0.05
1.45	0.09	0.01	0.01	4.05	0.29	0.14	0.05
1.50	0.10	0.01	0.01	4.10	0.29	0.14	0.05
1.55	0.10	0.01	0.01	4.15	0.30	0.14	0.05
1.60	0.10	0.01	0.01	4.20	0.30	0.15	0.05
1.65	0.11	0.02	0.01	4.25	0.31	0.15	0.05
1.70	0.11	0.02	0.02	4.30	0.31	0.15	0.05
1.75	0.11	0.02	0.02	4.35	0.31	0.16	0.05
1.80	0.12	0.02	0.02	4.40	0.32	0.16	0.05
1.85	0.12	0.02	0.02	4.45	0.32	0.16	0.05
1.90	0.12	0.02	0.02	4.50	0.33	0.17	0.05
1.95	0.13	0.03	0.02	4.55	0.33	0.17	0.05
2.00	0.13	0.03	0.02	4.60	0.33	0.17	0.05
2.05	0.13	0.03	0.02	4.65	0.34	0.18	0.05
2.10	0.14	0.03	0.02	4.70	0.34	0.18	0.05
2.15	0.14	0.03	0.02	4.75	0.35	0.18	0.05
2.20	0.15	0.04	0.02	4.80	0.35	0.19	0.05
2.25	0.15	0.04	0.03	4.85	0.36	0.19	0.05
2.30	0.15	0.04	0.03	4.90	0.36	0.20	0.05
2.35	0.16	0.04	0.03	4.95	0.37	0.20	0.05
2.40	0.16	0.04	0.03	5.00	0.37	0.20	0.05
2.45	0.16	0.05	0.03	5.05	0.37	0.21	0.05
2.50	0.17	0.05	0.03	5.10	0.38	0.21	0.06
2.55	0.17	0.05	0.03	5.15	0.38	0.21	0.06

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.22	0.06	7.80	0.67	0.47	0.09
5.25	0.39	0.22	0.06	7.85	0.68	0.48	0.09
5.30	0.40	0.23	0.06	7.90	0.68	0.49	0.09
5.35	0.40	0.23	0.06	7.95	0.69	0.49	0.09
5.40	0.41	0.23	0.06	8.00	0.70	0.50	0.09
5.45	0.41	0.24	0.06	8.05	0.70	0.51	0.10
5.50	0.41	0.24	0.06	8.10	0.71	0.51	0.10
5.55	0.42	0.25	0.06	8.15	0.72	0.52	0.10
5.60	0.42	0.25	0.06	8.20	0.72	0.53	0.10
5.65	0.43	0.25	0.06	8.25	0.73	0.53	0.10
5.70	0.43	0.26	0.06	8.30	0.74	0.54	0.10
5.75	0.44	0.26	0.06	8.35	0.75	0.55	0.10
5.80	0.44	0.27	0.06	8.40	0.75	0.55	0.10
5.85	0.45	0.27	0.06	8.45	0.76	0.56	0.10
5.90	0.45	0.27	0.06	8.50	0.77	0.57	0.10
5.95	0.46	0.28	0.06	8.55	0.78	0.58	0.10
6.00	0.46	0.28	0.06	8.60	0.78	0.58	0.11
6.05	0.47	0.29	0.06	8.65	0.79	0.59	0.11
6.10	0.47	0.29	0.06	8.70	0.80	0.60	0.11
6.15	0.47	0.30	0.06	8.75	0.81	0.61	0.11
6.20	0.48	0.30	0.06	8.80	0.82	0.61	0.11
6.25	0.48	0.30	0.06	8.85	0.82	0.62	0.11
6.30	0.49	0.31	0.06	8.90	0.83	0.63	0.11
6.35	0.50	0.31	0.06	8.95	0.84	0.64	0.11
6.40	0.50	0.32	0.07	9.00	0.85	0.64	0.11
6.45	0.51	0.32	0.07	9.05	0.86	0.65	0.11
6.50	0.51	0.33	0.07	9.10	0.87	0.66	0.11
6.55	0.52	0.33	0.07	9.15	0.87	0.67	0.12
6.60	0.52	0.34	0.07	9.20	0.88	0.68	0.12
6.65	0.53	0.34	0.07	9.25	0.89	0.69	0.12
6.70	0.53	0.35	0.07	9.30	0.90	0.70	0.12
6.75	0.54	0.35	0.07	9.35	0.91	0.71	0.12
6.80	0.54	0.36	0.07	9.40	0.92	0.72	0.13
6.85	0.55	0.36	0.07	9.45	0.93	0.73	0.13
6.90	0.56	0.37	0.07	9.50	0.94	0.74	0.13
6.95	0.56	0.37	0.07	9.55	0.95	0.75	0.13
7.00	0.57	0.38	0.08	9.60	0.96	0.76	0.14
7.05	0.57	0.38	0.08	9.65	0.98	0.77	0.14
7.10	0.58	0.39	0.08	9.70	0.99	0.78	0.14
7.15	0.58	0.40	0.08	9.75	1.00	0.79	0.15
7.20	0.59	0.40	0.08	9.80	1.01	0.80	0.15
7.25	0.60	0.41	0.08	9.85	1.02	0.81	0.15
7.30	0.60	0.41	0.08	9.90	1.03	0.82	0.16
7.35	0.61	0.42	0.08	9.95	1.05	0.84	0.16
7.40	0.62	0.42	0.08	10.00	1.06	0.85	0.16
7.45	0.62	0.43	0.08	10.05	1.07	0.86	0.17
7.50	0.63	0.44	0.08	10.10	1.09	0.87	0.17
7.55	0.64	0.44	0.09	10.15	1.10	0.89	0.17
7.60	0.64	0.45	0.09	10.20	1.11	0.90	0.18
7.65	0.65	0.45	0.09	10.25	1.13	0.91	0.18
7.70	0.65	0.46	0.09	10.30	1.14	0.93	0.18
7.75	0.66	0.47	0.09	10.35	1.15	0.94	0.19

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.95	0.19	13.00	4.42	4.18	0.72
10.45	1.18	0.97	0.19	13.05	4.44	4.20	0.66
10.50	1.20	0.98	0.20	13.10	4.46	4.23	0.61
10.55	1.21	1.00	0.20	13.15	4.48	4.25	0.56
10.60	1.23	1.02	0.20	13.20	4.50	4.27	0.52
10.65	1.25	1.03	0.21	13.25	4.52	4.29	0.49
10.70	1.27	1.05	0.21	13.30	4.54	4.31	0.46
10.75	1.29	1.07	0.22	13.35	4.56	4.33	0.43
10.80	1.31	1.09	0.22	13.40	4.58	4.34	0.40
10.85	1.33	1.11	0.23	13.45	4.60	4.36	0.38
10.90	1.35	1.13	0.24	13.50	4.61	4.38	0.36
10.95	1.37	1.15	0.25	13.55	4.63	4.39	0.34
11.00	1.39	1.18	0.26	13.60	4.64	4.41	0.32
11.05	1.42	1.20	0.27	13.65	4.66	4.42	0.31
11.10	1.45	1.23	0.29	13.70	4.67	4.43	0.29
11.15	1.48	1.26	0.30	13.75	4.68	4.45	0.28
11.20	1.51	1.29	0.31	13.80	4.70	4.46	0.27
11.25	1.54	1.32	0.33	13.85	4.71	4.48	0.26
11.30	1.57	1.35	0.34	13.90	4.72	4.49	0.25
11.35	1.61	1.38	0.36	13.95	4.74	4.50	0.24
11.40	1.64	1.42	0.38	14.00	4.75	4.51	0.23
11.45	1.68	1.46	0.40	14.05	4.76	4.53	0.23
11.50	1.72	1.49	0.42	14.10	4.78	4.54	0.22
11.55	1.78	1.55	0.44	14.15	4.79	4.55	0.22
11.60	1.83	1.61	0.47	14.20	4.80	4.56	0.21
11.65	1.90	1.67	0.50	14.25	4.81	4.57	0.21
11.70	1.96	1.73	0.54	14.30	4.82	4.59	0.20
11.75	2.04	1.82	0.59	14.35	4.83	4.60	0.20
11.80	2.13	1.90	0.64	14.40	4.85	4.61	0.20
11.85	2.25	2.02	0.71	14.45	4.86	4.62	0.19
11.90	2.36	2.13	0.79	14.50	4.87	4.63	0.19
11.95	2.57	2.34	0.88	14.55	4.88	4.64	0.19
12.00	2.77	2.54	1.01	14.60	4.89	4.65	0.18
12.05	3.11	2.88	1.17	14.65	4.90	4.66	0.18
12.10	3.45	3.21	1.40	14.70	4.91	4.67	0.18
12.15	3.56	3.33	1.70	14.75	4.92	4.68	0.17
12.20	3.68	3.45	2.05	14.80	4.93	4.69	0.17
12.25	3.77	3.53	2.40	14.85	4.94	4.70	0.16
12.30	3.85	3.62	2.66	14.90	4.94	4.71	0.16
12.35	3.91	3.68	**2.76**	14.95	4.95	4.72	0.16
12.40	3.98	3.74	2.70	15.00	4.96	4.72	0.15
12.45	4.03	3.80	2.54	15.05	4.97	4.73	0.15
12.50	4.09	3.86	2.30	15.10	4.98	4.74	0.15
12.55	4.13	3.90	2.04	15.15	4.99	4.75	0.14
12.60	4.17	3.93	1.79	15.20	4.99	4.76	0.14
12.65	4.20	3.97	1.58	15.25	5.00	4.76	0.14
12.70	4.24	4.00	1.40	15.30	5.01	4.77	0.14
12.75	4.27	4.04	1.24	15.35	5.02	4.78	0.13
12.80	4.30	4.07	1.10	15.40	5.03	4.79	0.13
12.85	4.33	4.10	0.98	15.45	5.03	4.80	0.13
12.90	4.36	4.13	0.88	15.50	5.04	4.80	0.13
12.95	4.39	4.15	0.79	15.55	5.05	4.81	0.12

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	4.82	0.12	18.20	5.37	5.13	0.08
15.65	5.06	4.83	0.12	18.25	5.37	5.14	0.08
15.70	5.07	4.83	0.12	18.30	5.38	5.14	0.07
15.75	5.08	4.84	0.12	18.35	5.38	5.14	0.07
15.80	5.09	4.85	0.12	18.40	5.39	5.15	0.07
15.85	5.09	4.86	0.12	18.45	5.39	5.15	0.07
15.90	5.10	4.86	0.12	18.50	5.40	5.16	0.07
15.95	5.11	4.87	0.12	18.55	5.40	5.16	0.07
16.00	5.11	4.88	0.12	18.60	5.40	5.17	0.07
16.05	5.12	4.88	0.11	18.65	5.41	5.17	0.07
16.10	5.13	4.89	0.11	18.70	5.41	5.18	0.07
16.15	5.13	4.90	0.11	18.75	5.42	5.18	0.07
16.20	5.14	4.90	0.11	18.80	5.42	5.19	0.07
16.25	5.15	4.91	0.11	18.85	5.43	5.19	0.07
16.30	5.16	4.92	0.11	18.90	5.43	5.19	0.07
16.35	5.16	4.92	0.11	18.95	5.44	5.20	0.07
16.40	5.17	4.93	0.11	19.00	5.44	5.20	0.07
16.45	5.17	4.94	0.11	19.05	5.44	5.21	0.07
16.50	5.18	4.94	0.11	19.10	5.45	5.21	0.07
16.55	5.19	4.95	0.11	19.15	5.45	5.22	0.07
16.60	5.19	4.96	0.10	19.20	5.46	5.22	0.07
16.65	5.20	4.96	0.10	19.25	5.46	5.22	0.07
16.70	5.21	4.97	0.10	19.30	5.47	5.23	0.07
16.75	5.21	4.98	0.10	19.35	5.47	5.23	0.07
16.80	5.22	4.98	0.10	19.40	5.48	5.24	0.07
16.85	5.23	4.99	0.10	19.45	5.48	5.24	0.07
16.90	5.23	4.99	0.10	19.50	5.48	5.25	0.07
16.95	5.24	5.00	0.10	19.55	5.49	5.25	0.07
17.00	5.24	5.01	0.10	19.60	5.49	5.25	0.07
17.05	5.25	5.01	0.10	19.65	5.50	5.26	0.07
17.10	5.25	5.02	0.10	19.70	5.50	5.26	0.07
17.15	5.26	5.02	0.09	19.75	5.50	5.27	0.07
17.20	5.27	5.03	0.09	19.80	5.51	5.27	0.07
17.25	5.27	5.03	0.09	19.85	5.51	5.28	0.07
17.30	5.28	5.04	0.09	19.90	5.52	5.28	0.07
17.35	5.28	5.05	0.09	19.95	5.52	5.28	0.07
17.40	5.29	5.05	0.09	20.00	5.53	5.29	0.06
17.45	5.29	5.06	0.09	20.05	5.53	5.29	0.06
17.50	5.30	5.06	0.09	20.10	5.53	5.30	0.06
17.55	5.30	5.07	0.09	20.15	5.54	5.30	0.06
17.60	5.31	5.07	0.09	20.20	5.54	5.30	0.06
17.65	5.31	5.08	0.09	20.25	5.55	5.31	0.06
17.70	5.32	5.08	0.08	20.30	5.55	5.31	0.06
17.75	5.33	5.09	0.08	20.35	5.55	5.32	0.06
17.80	5.33	5.09	0.08	20.40	5.56	5.32	0.06
17.85	5.34	5.10	0.08	20.45	5.56	5.32	0.06
17.90	5.34	5.10	0.08	20.50	5.57	5.33	0.06
17.95	5.34	5.11	0.08	20.55	5.57	5.33	0.06
18.00	5.35	5.11	0.08	20.60	5.57	5.34	0.06
18.05	5.35	5.12	0.08	20.65	5.58	5.34	0.06
18.10	5.36	5.12	0.08	20.70	5.58	5.34	0.06
18.15	5.36	5.13	0.08	20.75	5.59	5.35	0.06

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	5.35	0.06	23.40	5.77	5.53	0.05
20.85	5.59	5.36	0.06	23.45	5.78	5.54	0.05
20.90	5.60	5.36	0.06	23.50	5.78	5.54	0.05
20.95	5.60	5.36	0.06	23.55	5.78	5.54	0.05
21.00	5.61	5.37	0.06	23.60	5.78	5.55	0.05
21.05	5.61	5.37	0.06	23.65	5.79	5.55	0.05
21.10	5.61	5.37	0.06	23.70	5.79	5.55	0.05
21.15	5.62	5.38	0.06	23.75	5.79	5.56	0.05
21.20	5.62	5.38	0.06	23.80	5.80	5.56	0.05
21.25	5.62	5.39	0.06	23.85	5.80	5.56	0.05
21.30	5.63	5.39	0.06	23.90	5.80	5.56	0.05
21.35	5.63	5.39	0.06	23.95	5.81	5.57	0.05
21.40	5.64	5.40	0.06	24.00	**5.81**	**5.57**	0.05
21.45	5.64	5.40	0.06	24.05	5.81	5.57	0.05
21.50	5.64	5.40	0.06	24.10	5.81	5.57	0.05
21.55	5.65	5.41	0.06	24.15	5.81	5.57	0.05
21.60	5.65	5.41	0.06	24.20	5.81	5.57	0.04
21.65	5.65	5.42	0.06	24.25	5.81	5.57	0.04
21.70	5.66	5.42	0.06	24.30	5.81	5.57	0.03
21.75	5.66	5.42	0.06	24.35	5.81	5.57	0.03
21.80	5.66	5.43	0.06	24.40	5.81	5.57	0.02
21.85	5.67	5.43	0.06	24.45	5.81	5.57	0.02
21.90	5.67	5.43	0.06	24.50	5.81	5.57	0.01
21.95	5.68	5.44	0.06	24.55	5.81	5.57	0.01
22.00	5.68	5.44	0.06	24.60	5.81	5.57	0.01
22.05	5.68	5.44	0.06	24.65	5.81	5.57	0.01
22.10	5.69	5.45	0.06	24.70	5.81	5.57	0.00
22.15	5.69	5.45	0.06	24.75	5.81	5.57	0.00
22.20	5.69	5.45	0.06	24.80	5.81	5.57	0.00
22.25	5.70	5.46	0.05	24.85	5.81	5.57	0.00
22.30	5.70	5.46	0.05	24.90	5.81	5.57	0.00
22.35	5.70	5.47	0.05	24.95	5.81	5.57	0.00
22.40	5.71	5.47	0.05	25.00	5.81	5.57	0.00
22.45	5.71	5.47	0.05	25.05	5.81	5.57	0.00
22.50	5.71	5.48	0.05	25.10	5.81	5.57	0.00
22.55	5.72	5.48	0.05	25.15	5.81	5.57	0.00
22.60	5.72	5.48	0.05	25.20	5.81	5.57	0.00
22.65	5.72	5.49	0.05	25.25	5.81	5.57	0.00
22.70	5.73	5.49	0.05	25.30	5.81	5.57	0.00
22.75	5.73	5.49	0.05	25.35	5.81	5.57	0.00
22.80	5.73	5.50	0.05	25.40	5.81	5.57	0.00
22.85	5.74	5.50	0.05	25.45	5.81	5.57	0.00
22.90	5.74	5.50	0.05	25.50	5.81	5.57	0.00
22.95	5.74	5.51	0.05	25.55	5.81	5.57	0.00
23.00	5.75	5.51	0.05	25.60	5.81	5.57	0.00
23.05	5.75	5.51	0.05	25.65	5.81	5.57	0.00
23.10	5.75	5.52	0.05	25.70	5.81	5.57	0.00
23.15	5.76	5.52	0.05	25.75	5.81	5.57	0.00
23.20	5.76	5.52	0.05	25.80	5.81	5.57	0.00
23.25	5.76	5.52	0.05	25.85	5.81	5.57	0.00
23.30	5.77	5.53	0.05	25.90	5.81	5.57	0.00
23.35	5.77	5.53	0.05	25.95	5.81	5.57	0.00

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	5.57	0.00	28.60	5.81	5.57	0.00
26.05	5.81	5.57	0.00	28.65	5.81	5.57	0.00
26.10	5.81	5.57	0.00	28.70	5.81	5.57	0.00
26.15	5.81	5.57	0.00	28.75	5.81	5.57	0.00
26.20	5.81	5.57	0.00	28.80	5.81	5.57	0.00
26.25	5.81	5.57	0.00	28.85	5.81	5.57	0.00
26.30	5.81	5.57	0.00	28.90	5.81	5.57	0.00
26.35	5.81	5.57	0.00	28.95	5.81	5.57	0.00
26.40	5.81	5.57	0.00	29.00	5.81	5.57	0.00
26.45	5.81	5.57	0.00	29.05	5.81	5.57	0.00
26.50	5.81	5.57	0.00	29.10	5.81	5.57	0.00
26.55	5.81	5.57	0.00	29.15	5.81	5.57	0.00
26.60	5.81	5.57	0.00	29.20	5.81	5.57	0.00
26.65	5.81	5.57	0.00	29.25	5.81	5.57	0.00
26.70	5.81	5.57	0.00	29.30	5.81	5.57	0.00
26.75	5.81	5.57	0.00	29.35	5.81	5.57	0.00
26.80	5.81	5.57	0.00	29.40	5.81	5.57	0.00
26.85	5.81	5.57	0.00	29.45	5.81	5.57	0.00
26.90	5.81	5.57	0.00	29.50	5.81	5.57	0.00
26.95	5.81	5.57	0.00	29.55	5.81	5.57	0.00
27.00	5.81	5.57	0.00	29.60	5.81	5.57	0.00
27.05	5.81	5.57	0.00	29.65	5.81	5.57	0.00
27.10	5.81	5.57	0.00	29.70	5.81	5.57	0.00
27.15	5.81	5.57	0.00	29.75	5.81	5.57	0.00
27.20	5.81	5.57	0.00	29.80	5.81	5.57	0.00
27.25	5.81	5.57	0.00	29.85	5.81	5.57	0.00
27.30	5.81	5.57	0.00	29.90	5.81	5.57	0.00
27.35	5.81	5.57	0.00	29.95	5.81	5.57	0.00
27.40	5.81	5.57	0.00	30.00	5.81	5.57	0.00
27.45	5.81	5.57	0.00	30.05	5.81	5.57	0.00
27.50	5.81	5.57	0.00	30.10	5.81	5.57	0.00
27.55	5.81	5.57	0.00	30.15	5.81	5.57	0.00
27.60	5.81	5.57	0.00	30.20	5.81	5.57	0.00
27.65	5.81	5.57	0.00	30.25	5.81	5.57	0.00
27.70	5.81	5.57	0.00	30.30	5.81	5.57	0.00
27.75	5.81	5.57	0.00	30.35	5.81	5.57	0.00
27.80	5.81	5.57	0.00	30.40	5.81	5.57	0.00
27.85	5.81	5.57	0.00	30.45	5.81	5.57	0.00
27.90	5.81	5.57	0.00	30.50	5.81	5.57	0.00
27.95	5.81	5.57	0.00	30.55	5.81	5.57	0.00
28.00	5.81	5.57	0.00	30.60	5.81	5.57	0.00
28.05	5.81	5.57	0.00	30.65	5.81	5.57	0.00
28.10	5.81	5.57	0.00	30.70	5.81	5.57	0.00
28.15	5.81	5.57	0.00	30.75	5.81	5.57	0.00
28.20	5.81	5.57	0.00	30.80	5.81	5.57	0.00
28.25	5.81	5.57	0.00	30.85	5.81	5.57	0.00
28.30	5.81	5.57	0.00	30.90	5.81	5.57	0.00
28.35	5.81	5.57	0.00	30.95	5.81	5.57	0.00
28.40	5.81	5.57	0.00	31.00	5.81	5.57	0.00
28.45	5.81	5.57	0.00	31.05	5.81	5.57	0.00
28.50	5.81	5.57	0.00	31.10	5.81	5.57	0.00
28.55	5.81	5.57	0.00	31.15	5.81	5.57	0.00

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	5.57	0.00	33.80	5.81	5.57	0.00
31.25	5.81	5.57	0.00	33.85	5.81	5.57	0.00
31.30	5.81	5.57	0.00	33.90	5.81	5.57	0.00
31.35	5.81	5.57	0.00	33.95	5.81	5.57	0.00
31.40	5.81	5.57	0.00	34.00	5.81	5.57	0.00
31.45	5.81	5.57	0.00	34.05	5.81	5.57	0.00
31.50	5.81	5.57	0.00	34.10	5.81	5.57	0.00
31.55	5.81	5.57	0.00	34.15	5.81	5.57	0.00
31.60	5.81	5.57	0.00	34.20	5.81	5.57	0.00
31.65	5.81	5.57	0.00	34.25	5.81	5.57	0.00
31.70	5.81	5.57	0.00	34.30	5.81	5.57	0.00
31.75	5.81	5.57	0.00	34.35	5.81	5.57	0.00
31.80	5.81	5.57	0.00	34.40	5.81	5.57	0.00
31.85	5.81	5.57	0.00	34.45	5.81	5.57	0.00
31.90	5.81	5.57	0.00	34.50	5.81	5.57	0.00
31.95	5.81	5.57	0.00	34.55	5.81	5.57	0.00
32.00	5.81	5.57	0.00	34.60	5.81	5.57	0.00
32.05	5.81	5.57	0.00	34.65	5.81	5.57	0.00
32.10	5.81	5.57	0.00	34.70	5.81	5.57	0.00
32.15	5.81	5.57	0.00	34.75	5.81	5.57	0.00
32.20	5.81	5.57	0.00	34.80	5.81	5.57	0.00
32.25	5.81	5.57	0.00	34.85	5.81	5.57	0.00
32.30	5.81	5.57	0.00	34.90	5.81	5.57	0.00
32.35	5.81	5.57	0.00	34.95	5.81	5.57	0.00
32.40	5.81	5.57	0.00	35.00	5.81	5.57	0.00
32.45	5.81	5.57	0.00	35.05	5.81	5.57	0.00
32.50	5.81	5.57	0.00	35.10	5.81	5.57	0.00
32.55	5.81	5.57	0.00	35.15	5.81	5.57	0.00
32.60	5.81	5.57	0.00	35.20	5.81	5.57	0.00
32.65	5.81	5.57	0.00	35.25	5.81	5.57	0.00
32.70	5.81	5.57	0.00	35.30	5.81	5.57	0.00
32.75	5.81	5.57	0.00	35.35	5.81	5.57	0.00
32.80	5.81	5.57	0.00	35.40	5.81	5.57	0.00
32.85	5.81	5.57	0.00	35.45	5.81	5.57	0.00
32.90	5.81	5.57	0.00	35.50	5.81	5.57	0.00
32.95	5.81	5.57	0.00	35.55	5.81	5.57	0.00
33.00	5.81	5.57	0.00	35.60	5.81	5.57	0.00
33.05	5.81	5.57	0.00	35.65	5.81	5.57	0.00
33.10	5.81	5.57	0.00	35.70	5.81	5.57	0.00
33.15	5.81	5.57	0.00	35.75	5.81	5.57	0.00
33.20	5.81	5.57	0.00	35.80	5.81	5.57	0.00
33.25	5.81	5.57	0.00	35.85	5.81	5.57	0.00
33.30	5.81	5.57	0.00	35.90	5.81	5.57	0.00
33.35	5.81	5.57	0.00	35.95	5.81	5.57	0.00
33.40	5.81	5.57	0.00	36.00	5.81	5.57	0.00
33.45	5.81	5.57	0.00	36.05	5.81	5.57	0.00
33.50	5.81	5.57	0.00	36.10	5.81	5.57	0.00
33.55	5.81	5.57	0.00	36.15	5.81	5.57	0.00
33.60	5.81	5.57	0.00	36.20	5.81	5.57	0.00
33.65	5.81	5.57	0.00	36.25	5.81	5.57	0.00
33.70	5.81	5.57	0.00	36.30	5.81	5.57	0.00
33.75	5.81	5.57	0.00	36.35	5.81	5.57	0.00

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	5.57	0.00
36.45	5.81	5.57	0.00
36.50	5.81	5.57	0.00
36.55	5.81	5.57	0.00
36.60	5.81	5.57	0.00
36.65	5.81	5.57	0.00
36.70	5.81	5.57	0.00
36.75	5.81	5.57	0.00
36.80	5.81	5.57	0.00
36.85	5.81	5.57	0.00
36.90	5.81	5.57	0.00
36.95	5.81	5.57	0.00
37.00	5.81	5.57	0.00
37.05	5.81	5.57	0.00
37.10	5.81	5.57	0.00
37.15	5.81	5.57	0.00
37.20	5.81	5.57	0.00
37.25	5.81	5.57	0.00
37.30	5.81	5.57	0.00
37.35	5.81	5.57	0.00
37.40	5.81	5.57	0.00
37.45	5.81	5.57	0.00
37.50	5.81	5.57	0.00
37.55	5.81	5.57	0.00
37.60	5.81	5.57	0.00
37.65	5.81	5.57	0.00
37.70	5.81	5.57	0.00
37.75	5.81	5.57	0.00
37.80	5.81	5.57	0.00
37.85	5.81	5.57	0.00
37.90	5.81	5.57	0.00
37.95	5.81	5.57	0.00
38.00	5.81	5.57	0.00
38.05	5.81	5.57	0.00
38.10	5.81	5.57	0.00
38.15	5.81	5.57	0.00
38.20	5.81	5.57	0.00
38.25	5.81	5.57	0.00
38.30	5.81	5.57	0.00
38.35	5.81	5.57	0.00
38.40	5.81	5.57	0.00
38.45	5.81	5.57	0.00
38.50	5.81	5.57	0.00
38.55	5.81	5.57	0.00
38.60	5.81	5.57	0.00
38.65	5.81	5.57	0.00
38.70	5.81	5.57	0.00
38.75	5.81	5.57	0.00
38.80	5.81	5.57	0.00
38.85	5.81	5.57	0.00
38.90	5.81	5.57	0.00
38.95	5.81	5.57	0.00
39.00	5.81	5.57	0.00
39.05	5.81	5.57	0.00
39.10	5.81	5.57	0.00
39.15	5.81	5.57	0.00
39.20	5.81	5.57	0.00
39.25	5.81	5.57	0.00
39.30	5.81	5.57	0.00
39.35	5.81	5.57	0.00
39.40	5.81	5.57	0.00
39.45	5.81	5.57	0.00
39.50	5.81	5.57	0.00
39.55	5.81	5.57	0.00
39.60	5.81	5.57	0.00
39.65	5.81	5.57	0.00
39.70	5.81	5.57	0.00
39.75	5.81	5.57	0.00
39.80	5.81	5.57	0.00
39.85	5.81	5.57	0.00
39.90	5.81	5.57	0.00
39.95	5.81	5.57	0.00
40.00	5.81	5.57	0.00

Summary for Subcatchment 51I: PDA-51 (impervious)

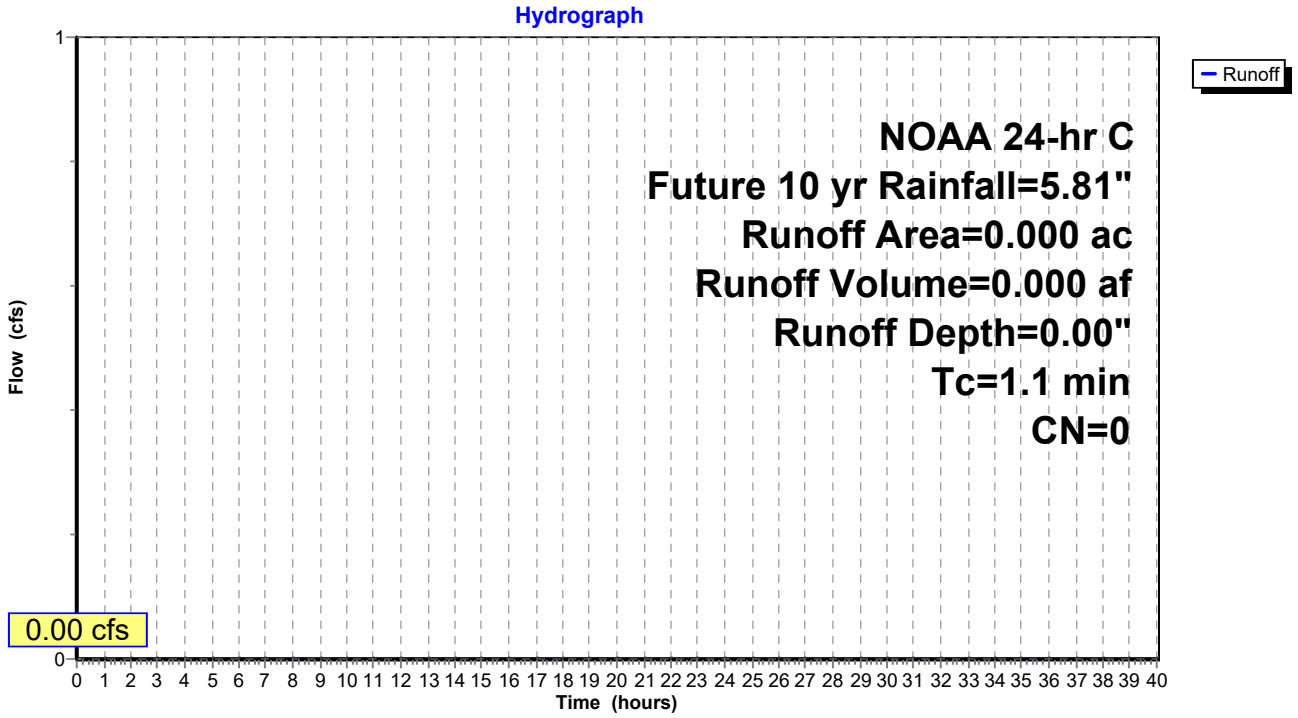
Runoff = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Depth= 0.00"
Routed to Pond B-51 : Basin #51

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

	Area (ac)	CN	Description
*	0.000	98	Roof, HSG C

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.1					**Direct Entry,**

Subcatchment 51I: PDA-51 (impervious)



Hydrograph for Subcatchment 51I: PDA-51 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	**0.00**	**0.00**	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.00
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.00
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.00
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.00
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.00
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.00
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.00
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.00
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.00
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.00
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.00
6.35	0.50	0.00	0.00	8.95	0.84	0.00	0.00
6.40	0.50	0.00	0.00	9.00	0.85	0.00	0.00
6.45	0.51	0.00	0.00	9.05	0.86	0.00	0.00
6.50	0.51	0.00	0.00	9.10	0.87	0.00	0.00
6.55	0.52	0.00	0.00	9.15	0.87	0.00	0.00
6.60	0.52	0.00	0.00	9.20	0.88	0.00	0.00
6.65	0.53	0.00	0.00	9.25	0.89	0.00	0.00
6.70	0.53	0.00	0.00	9.30	0.90	0.00	0.00
6.75	0.54	0.00	0.00	9.35	0.91	0.00	0.00
6.80	0.54	0.00	0.00	9.40	0.92	0.00	0.00
6.85	0.55	0.00	0.00	9.45	0.93	0.00	0.00
6.90	0.56	0.00	0.00	9.50	0.94	0.00	0.00
6.95	0.56	0.00	0.00	9.55	0.95	0.00	0.00
7.00	0.57	0.00	0.00	9.60	0.96	0.00	0.00
7.05	0.57	0.00	0.00	9.65	0.98	0.00	0.00
7.10	0.58	0.00	0.00	9.70	0.99	0.00	0.00
7.15	0.58	0.00	0.00	9.75	1.00	0.00	0.00
7.20	0.59	0.00	0.00	9.80	1.01	0.00	0.00
7.25	0.60	0.00	0.00	9.85	1.02	0.00	0.00
7.30	0.60	0.00	0.00	9.90	1.03	0.00	0.00
7.35	0.61	0.00	0.00	9.95	1.05	0.00	0.00
7.40	0.62	0.00	0.00	10.00	1.06	0.00	0.00
7.45	0.62	0.00	0.00	10.05	1.07	0.00	0.00
7.50	0.63	0.00	0.00	10.10	1.09	0.00	0.00
7.55	0.64	0.00	0.00	10.15	1.10	0.00	0.00
7.60	0.64	0.00	0.00	10.20	1.11	0.00	0.00
7.65	0.65	0.00	0.00	10.25	1.13	0.00	0.00
7.70	0.65	0.00	0.00	10.30	1.14	0.00	0.00
7.75	0.66	0.00	0.00	10.35	1.15	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.00	0.00	13.00	4.42	0.00	0.00
10.45	1.18	0.00	0.00	13.05	4.44	0.00	0.00
10.50	1.20	0.00	0.00	13.10	4.46	0.00	0.00
10.55	1.21	0.00	0.00	13.15	4.48	0.00	0.00
10.60	1.23	0.00	0.00	13.20	4.50	0.00	0.00
10.65	1.25	0.00	0.00	13.25	4.52	0.00	0.00
10.70	1.27	0.00	0.00	13.30	4.54	0.00	0.00
10.75	1.29	0.00	0.00	13.35	4.56	0.00	0.00
10.80	1.31	0.00	0.00	13.40	4.58	0.00	0.00
10.85	1.33	0.00	0.00	13.45	4.60	0.00	0.00
10.90	1.35	0.00	0.00	13.50	4.61	0.00	0.00
10.95	1.37	0.00	0.00	13.55	4.63	0.00	0.00
11.00	1.39	0.00	0.00	13.60	4.64	0.00	0.00
11.05	1.42	0.00	0.00	13.65	4.66	0.00	0.00
11.10	1.45	0.00	0.00	13.70	4.67	0.00	0.00
11.15	1.48	0.00	0.00	13.75	4.68	0.00	0.00
11.20	1.51	0.00	0.00	13.80	4.70	0.00	0.00
11.25	1.54	0.00	0.00	13.85	4.71	0.00	0.00
11.30	1.57	0.00	0.00	13.90	4.72	0.00	0.00
11.35	1.61	0.00	0.00	13.95	4.74	0.00	0.00
11.40	1.64	0.00	0.00	14.00	4.75	0.00	0.00
11.45	1.68	0.00	0.00	14.05	4.76	0.00	0.00
11.50	1.72	0.00	0.00	14.10	4.78	0.00	0.00
11.55	1.78	0.00	0.00	14.15	4.79	0.00	0.00
11.60	1.83	0.00	0.00	14.20	4.80	0.00	0.00
11.65	1.90	0.00	0.00	14.25	4.81	0.00	0.00
11.70	1.96	0.00	0.00	14.30	4.82	0.00	0.00
11.75	2.04	0.00	0.00	14.35	4.83	0.00	0.00
11.80	2.13	0.00	0.00	14.40	4.85	0.00	0.00
11.85	2.25	0.00	0.00	14.45	4.86	0.00	0.00
11.90	2.36	0.00	0.00	14.50	4.87	0.00	0.00
11.95	2.57	0.00	0.00	14.55	4.88	0.00	0.00
12.00	2.77	0.00	0.00	14.60	4.89	0.00	0.00
12.05	3.11	0.00	0.00	14.65	4.90	0.00	0.00
12.10	3.45	0.00	0.00	14.70	4.91	0.00	0.00
12.15	3.56	0.00	0.00	14.75	4.92	0.00	0.00
12.20	3.68	0.00	0.00	14.80	4.93	0.00	0.00
12.25	3.77	0.00	0.00	14.85	4.94	0.00	0.00
12.30	3.85	0.00	0.00	14.90	4.94	0.00	0.00
12.35	3.91	0.00	0.00	14.95	4.95	0.00	0.00
12.40	3.98	0.00	0.00	15.00	4.96	0.00	0.00
12.45	4.03	0.00	0.00	15.05	4.97	0.00	0.00
12.50	4.09	0.00	0.00	15.10	4.98	0.00	0.00
12.55	4.13	0.00	0.00	15.15	4.99	0.00	0.00
12.60	4.17	0.00	0.00	15.20	4.99	0.00	0.00
12.65	4.20	0.00	0.00	15.25	5.00	0.00	0.00
12.70	4.24	0.00	0.00	15.30	5.01	0.00	0.00
12.75	4.27	0.00	0.00	15.35	5.02	0.00	0.00
12.80	4.30	0.00	0.00	15.40	5.03	0.00	0.00
12.85	4.33	0.00	0.00	15.45	5.03	0.00	0.00
12.90	4.36	0.00	0.00	15.50	5.04	0.00	0.00
12.95	4.39	0.00	0.00	15.55	5.05	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	0.00	0.00	18.20	5.37	0.00	0.00
15.65	5.06	0.00	0.00	18.25	5.37	0.00	0.00
15.70	5.07	0.00	0.00	18.30	5.38	0.00	0.00
15.75	5.08	0.00	0.00	18.35	5.38	0.00	0.00
15.80	5.09	0.00	0.00	18.40	5.39	0.00	0.00
15.85	5.09	0.00	0.00	18.45	5.39	0.00	0.00
15.90	5.10	0.00	0.00	18.50	5.40	0.00	0.00
15.95	5.11	0.00	0.00	18.55	5.40	0.00	0.00
16.00	5.11	0.00	0.00	18.60	5.40	0.00	0.00
16.05	5.12	0.00	0.00	18.65	5.41	0.00	0.00
16.10	5.13	0.00	0.00	18.70	5.41	0.00	0.00
16.15	5.13	0.00	0.00	18.75	5.42	0.00	0.00
16.20	5.14	0.00	0.00	18.80	5.42	0.00	0.00
16.25	5.15	0.00	0.00	18.85	5.43	0.00	0.00
16.30	5.16	0.00	0.00	18.90	5.43	0.00	0.00
16.35	5.16	0.00	0.00	18.95	5.44	0.00	0.00
16.40	5.17	0.00	0.00	19.00	5.44	0.00	0.00
16.45	5.17	0.00	0.00	19.05	5.44	0.00	0.00
16.50	5.18	0.00	0.00	19.10	5.45	0.00	0.00
16.55	5.19	0.00	0.00	19.15	5.45	0.00	0.00
16.60	5.19	0.00	0.00	19.20	5.46	0.00	0.00
16.65	5.20	0.00	0.00	19.25	5.46	0.00	0.00
16.70	5.21	0.00	0.00	19.30	5.47	0.00	0.00
16.75	5.21	0.00	0.00	19.35	5.47	0.00	0.00
16.80	5.22	0.00	0.00	19.40	5.48	0.00	0.00
16.85	5.23	0.00	0.00	19.45	5.48	0.00	0.00
16.90	5.23	0.00	0.00	19.50	5.48	0.00	0.00
16.95	5.24	0.00	0.00	19.55	5.49	0.00	0.00
17.00	5.24	0.00	0.00	19.60	5.49	0.00	0.00
17.05	5.25	0.00	0.00	19.65	5.50	0.00	0.00
17.10	5.25	0.00	0.00	19.70	5.50	0.00	0.00
17.15	5.26	0.00	0.00	19.75	5.50	0.00	0.00
17.20	5.27	0.00	0.00	19.80	5.51	0.00	0.00
17.25	5.27	0.00	0.00	19.85	5.51	0.00	0.00
17.30	5.28	0.00	0.00	19.90	5.52	0.00	0.00
17.35	5.28	0.00	0.00	19.95	5.52	0.00	0.00
17.40	5.29	0.00	0.00	20.00	5.53	0.00	0.00
17.45	5.29	0.00	0.00	20.05	5.53	0.00	0.00
17.50	5.30	0.00	0.00	20.10	5.53	0.00	0.00
17.55	5.30	0.00	0.00	20.15	5.54	0.00	0.00
17.60	5.31	0.00	0.00	20.20	5.54	0.00	0.00
17.65	5.31	0.00	0.00	20.25	5.55	0.00	0.00
17.70	5.32	0.00	0.00	20.30	5.55	0.00	0.00
17.75	5.33	0.00	0.00	20.35	5.55	0.00	0.00
17.80	5.33	0.00	0.00	20.40	5.56	0.00	0.00
17.85	5.34	0.00	0.00	20.45	5.56	0.00	0.00
17.90	5.34	0.00	0.00	20.50	5.57	0.00	0.00
17.95	5.34	0.00	0.00	20.55	5.57	0.00	0.00
18.00	5.35	0.00	0.00	20.60	5.57	0.00	0.00
18.05	5.35	0.00	0.00	20.65	5.58	0.00	0.00
18.10	5.36	0.00	0.00	20.70	5.58	0.00	0.00
18.15	5.36	0.00	0.00	20.75	5.59	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	0.00	0.00	23.40	5.77	0.00	0.00
20.85	5.59	0.00	0.00	23.45	5.78	0.00	0.00
20.90	5.60	0.00	0.00	23.50	5.78	0.00	0.00
20.95	5.60	0.00	0.00	23.55	5.78	0.00	0.00
21.00	5.61	0.00	0.00	23.60	5.78	0.00	0.00
21.05	5.61	0.00	0.00	23.65	5.79	0.00	0.00
21.10	5.61	0.00	0.00	23.70	5.79	0.00	0.00
21.15	5.62	0.00	0.00	23.75	5.79	0.00	0.00
21.20	5.62	0.00	0.00	23.80	5.80	0.00	0.00
21.25	5.62	0.00	0.00	23.85	5.80	0.00	0.00
21.30	5.63	0.00	0.00	23.90	5.80	0.00	0.00
21.35	5.63	0.00	0.00	23.95	5.81	0.00	0.00
21.40	5.64	0.00	0.00	24.00	**5.81**	0.00	0.00
21.45	5.64	0.00	0.00	24.05	5.81	0.00	0.00
21.50	5.64	0.00	0.00	24.10	5.81	0.00	0.00
21.55	5.65	0.00	0.00	24.15	5.81	0.00	0.00
21.60	5.65	0.00	0.00	24.20	5.81	0.00	0.00
21.65	5.65	0.00	0.00	24.25	5.81	0.00	0.00
21.70	5.66	0.00	0.00	24.30	5.81	0.00	0.00
21.75	5.66	0.00	0.00	24.35	5.81	0.00	0.00
21.80	5.66	0.00	0.00	24.40	5.81	0.00	0.00
21.85	5.67	0.00	0.00	24.45	5.81	0.00	0.00
21.90	5.67	0.00	0.00	24.50	5.81	0.00	0.00
21.95	5.68	0.00	0.00	24.55	5.81	0.00	0.00
22.00	5.68	0.00	0.00	24.60	5.81	0.00	0.00
22.05	5.68	0.00	0.00	24.65	5.81	0.00	0.00
22.10	5.69	0.00	0.00	24.70	5.81	0.00	0.00
22.15	5.69	0.00	0.00	24.75	5.81	0.00	0.00
22.20	5.69	0.00	0.00	24.80	5.81	0.00	0.00
22.25	5.70	0.00	0.00	24.85	5.81	0.00	0.00
22.30	5.70	0.00	0.00	24.90	5.81	0.00	0.00
22.35	5.70	0.00	0.00	24.95	5.81	0.00	0.00
22.40	5.71	0.00	0.00	25.00	5.81	0.00	0.00
22.45	5.71	0.00	0.00	25.05	5.81	0.00	0.00
22.50	5.71	0.00	0.00	25.10	5.81	0.00	0.00
22.55	5.72	0.00	0.00	25.15	5.81	0.00	0.00
22.60	5.72	0.00	0.00	25.20	5.81	0.00	0.00
22.65	5.72	0.00	0.00	25.25	5.81	0.00	0.00
22.70	5.73	0.00	0.00	25.30	5.81	0.00	0.00
22.75	5.73	0.00	0.00	25.35	5.81	0.00	0.00
22.80	5.73	0.00	0.00	25.40	5.81	0.00	0.00
22.85	5.74	0.00	0.00	25.45	5.81	0.00	0.00
22.90	5.74	0.00	0.00	25.50	5.81	0.00	0.00
22.95	5.74	0.00	0.00	25.55	5.81	0.00	0.00
23.00	5.75	0.00	0.00	25.60	5.81	0.00	0.00
23.05	5.75	0.00	0.00	25.65	5.81	0.00	0.00
23.10	5.75	0.00	0.00	25.70	5.81	0.00	0.00
23.15	5.76	0.00	0.00	25.75	5.81	0.00	0.00
23.20	5.76	0.00	0.00	25.80	5.81	0.00	0.00
23.25	5.76	0.00	0.00	25.85	5.81	0.00	0.00
23.30	5.77	0.00	0.00	25.90	5.81	0.00	0.00
23.35	5.77	0.00	0.00	25.95	5.81	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	0.00	0.00	28.60	5.81	0.00	0.00
26.05	5.81	0.00	0.00	28.65	5.81	0.00	0.00
26.10	5.81	0.00	0.00	28.70	5.81	0.00	0.00
26.15	5.81	0.00	0.00	28.75	5.81	0.00	0.00
26.20	5.81	0.00	0.00	28.80	5.81	0.00	0.00
26.25	5.81	0.00	0.00	28.85	5.81	0.00	0.00
26.30	5.81	0.00	0.00	28.90	5.81	0.00	0.00
26.35	5.81	0.00	0.00	28.95	5.81	0.00	0.00
26.40	5.81	0.00	0.00	29.00	5.81	0.00	0.00
26.45	5.81	0.00	0.00	29.05	5.81	0.00	0.00
26.50	5.81	0.00	0.00	29.10	5.81	0.00	0.00
26.55	5.81	0.00	0.00	29.15	5.81	0.00	0.00
26.60	5.81	0.00	0.00	29.20	5.81	0.00	0.00
26.65	5.81	0.00	0.00	29.25	5.81	0.00	0.00
26.70	5.81	0.00	0.00	29.30	5.81	0.00	0.00
26.75	5.81	0.00	0.00	29.35	5.81	0.00	0.00
26.80	5.81	0.00	0.00	29.40	5.81	0.00	0.00
26.85	5.81	0.00	0.00	29.45	5.81	0.00	0.00
26.90	5.81	0.00	0.00	29.50	5.81	0.00	0.00
26.95	5.81	0.00	0.00	29.55	5.81	0.00	0.00
27.00	5.81	0.00	0.00	29.60	5.81	0.00	0.00
27.05	5.81	0.00	0.00	29.65	5.81	0.00	0.00
27.10	5.81	0.00	0.00	29.70	5.81	0.00	0.00
27.15	5.81	0.00	0.00	29.75	5.81	0.00	0.00
27.20	5.81	0.00	0.00	29.80	5.81	0.00	0.00
27.25	5.81	0.00	0.00	29.85	5.81	0.00	0.00
27.30	5.81	0.00	0.00	29.90	5.81	0.00	0.00
27.35	5.81	0.00	0.00	29.95	5.81	0.00	0.00
27.40	5.81	0.00	0.00	30.00	5.81	0.00	0.00
27.45	5.81	0.00	0.00	30.05	5.81	0.00	0.00
27.50	5.81	0.00	0.00	30.10	5.81	0.00	0.00
27.55	5.81	0.00	0.00	30.15	5.81	0.00	0.00
27.60	5.81	0.00	0.00	30.20	5.81	0.00	0.00
27.65	5.81	0.00	0.00	30.25	5.81	0.00	0.00
27.70	5.81	0.00	0.00	30.30	5.81	0.00	0.00
27.75	5.81	0.00	0.00	30.35	5.81	0.00	0.00
27.80	5.81	0.00	0.00	30.40	5.81	0.00	0.00
27.85	5.81	0.00	0.00	30.45	5.81	0.00	0.00
27.90	5.81	0.00	0.00	30.50	5.81	0.00	0.00
27.95	5.81	0.00	0.00	30.55	5.81	0.00	0.00
28.00	5.81	0.00	0.00	30.60	5.81	0.00	0.00
28.05	5.81	0.00	0.00	30.65	5.81	0.00	0.00
28.10	5.81	0.00	0.00	30.70	5.81	0.00	0.00
28.15	5.81	0.00	0.00	30.75	5.81	0.00	0.00
28.20	5.81	0.00	0.00	30.80	5.81	0.00	0.00
28.25	5.81	0.00	0.00	30.85	5.81	0.00	0.00
28.30	5.81	0.00	0.00	30.90	5.81	0.00	0.00
28.35	5.81	0.00	0.00	30.95	5.81	0.00	0.00
28.40	5.81	0.00	0.00	31.00	5.81	0.00	0.00
28.45	5.81	0.00	0.00	31.05	5.81	0.00	0.00
28.50	5.81	0.00	0.00	31.10	5.81	0.00	0.00
28.55	5.81	0.00	0.00	31.15	5.81	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	0.00	0.00	33.80	5.81	0.00	0.00
31.25	5.81	0.00	0.00	33.85	5.81	0.00	0.00
31.30	5.81	0.00	0.00	33.90	5.81	0.00	0.00
31.35	5.81	0.00	0.00	33.95	5.81	0.00	0.00
31.40	5.81	0.00	0.00	34.00	5.81	0.00	0.00
31.45	5.81	0.00	0.00	34.05	5.81	0.00	0.00
31.50	5.81	0.00	0.00	34.10	5.81	0.00	0.00
31.55	5.81	0.00	0.00	34.15	5.81	0.00	0.00
31.60	5.81	0.00	0.00	34.20	5.81	0.00	0.00
31.65	5.81	0.00	0.00	34.25	5.81	0.00	0.00
31.70	5.81	0.00	0.00	34.30	5.81	0.00	0.00
31.75	5.81	0.00	0.00	34.35	5.81	0.00	0.00
31.80	5.81	0.00	0.00	34.40	5.81	0.00	0.00
31.85	5.81	0.00	0.00	34.45	5.81	0.00	0.00
31.90	5.81	0.00	0.00	34.50	5.81	0.00	0.00
31.95	5.81	0.00	0.00	34.55	5.81	0.00	0.00
32.00	5.81	0.00	0.00	34.60	5.81	0.00	0.00
32.05	5.81	0.00	0.00	34.65	5.81	0.00	0.00
32.10	5.81	0.00	0.00	34.70	5.81	0.00	0.00
32.15	5.81	0.00	0.00	34.75	5.81	0.00	0.00
32.20	5.81	0.00	0.00	34.80	5.81	0.00	0.00
32.25	5.81	0.00	0.00	34.85	5.81	0.00	0.00
32.30	5.81	0.00	0.00	34.90	5.81	0.00	0.00
32.35	5.81	0.00	0.00	34.95	5.81	0.00	0.00
32.40	5.81	0.00	0.00	35.00	5.81	0.00	0.00
32.45	5.81	0.00	0.00	35.05	5.81	0.00	0.00
32.50	5.81	0.00	0.00	35.10	5.81	0.00	0.00
32.55	5.81	0.00	0.00	35.15	5.81	0.00	0.00
32.60	5.81	0.00	0.00	35.20	5.81	0.00	0.00
32.65	5.81	0.00	0.00	35.25	5.81	0.00	0.00
32.70	5.81	0.00	0.00	35.30	5.81	0.00	0.00
32.75	5.81	0.00	0.00	35.35	5.81	0.00	0.00
32.80	5.81	0.00	0.00	35.40	5.81	0.00	0.00
32.85	5.81	0.00	0.00	35.45	5.81	0.00	0.00
32.90	5.81	0.00	0.00	35.50	5.81	0.00	0.00
32.95	5.81	0.00	0.00	35.55	5.81	0.00	0.00
33.00	5.81	0.00	0.00	35.60	5.81	0.00	0.00
33.05	5.81	0.00	0.00	35.65	5.81	0.00	0.00
33.10	5.81	0.00	0.00	35.70	5.81	0.00	0.00
33.15	5.81	0.00	0.00	35.75	5.81	0.00	0.00
33.20	5.81	0.00	0.00	35.80	5.81	0.00	0.00
33.25	5.81	0.00	0.00	35.85	5.81	0.00	0.00
33.30	5.81	0.00	0.00	35.90	5.81	0.00	0.00
33.35	5.81	0.00	0.00	35.95	5.81	0.00	0.00
33.40	5.81	0.00	0.00	36.00	5.81	0.00	0.00
33.45	5.81	0.00	0.00	36.05	5.81	0.00	0.00
33.50	5.81	0.00	0.00	36.10	5.81	0.00	0.00
33.55	5.81	0.00	0.00	36.15	5.81	0.00	0.00
33.60	5.81	0.00	0.00	36.20	5.81	0.00	0.00
33.65	5.81	0.00	0.00	36.25	5.81	0.00	0.00
33.70	5.81	0.00	0.00	36.30	5.81	0.00	0.00
33.75	5.81	0.00	0.00	36.35	5.81	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	0.00	0.00
36.45	5.81	0.00	0.00
36.50	5.81	0.00	0.00
36.55	5.81	0.00	0.00
36.60	5.81	0.00	0.00
36.65	5.81	0.00	0.00
36.70	5.81	0.00	0.00
36.75	5.81	0.00	0.00
36.80	5.81	0.00	0.00
36.85	5.81	0.00	0.00
36.90	5.81	0.00	0.00
36.95	5.81	0.00	0.00
37.00	5.81	0.00	0.00
37.05	5.81	0.00	0.00
37.10	5.81	0.00	0.00
37.15	5.81	0.00	0.00
37.20	5.81	0.00	0.00
37.25	5.81	0.00	0.00
37.30	5.81	0.00	0.00
37.35	5.81	0.00	0.00
37.40	5.81	0.00	0.00
37.45	5.81	0.00	0.00
37.50	5.81	0.00	0.00
37.55	5.81	0.00	0.00
37.60	5.81	0.00	0.00
37.65	5.81	0.00	0.00
37.70	5.81	0.00	0.00
37.75	5.81	0.00	0.00
37.80	5.81	0.00	0.00
37.85	5.81	0.00	0.00
37.90	5.81	0.00	0.00
37.95	5.81	0.00	0.00
38.00	5.81	0.00	0.00
38.05	5.81	0.00	0.00
38.10	5.81	0.00	0.00
38.15	5.81	0.00	0.00
38.20	5.81	0.00	0.00
38.25	5.81	0.00	0.00
38.30	5.81	0.00	0.00
38.35	5.81	0.00	0.00
38.40	5.81	0.00	0.00
38.45	5.81	0.00	0.00
38.50	5.81	0.00	0.00
38.55	5.81	0.00	0.00
38.60	5.81	0.00	0.00
38.65	5.81	0.00	0.00
38.70	5.81	0.00	0.00
38.75	5.81	0.00	0.00
38.80	5.81	0.00	0.00
38.85	5.81	0.00	0.00
38.90	5.81	0.00	0.00
38.95	5.81	0.00	0.00
39.00	5.81	0.00	0.00
39.05	5.81	0.00	0.00
39.10	5.81	0.00	0.00
39.15	5.81	0.00	0.00
39.20	5.81	0.00	0.00
39.25	5.81	0.00	0.00
39.30	5.81	0.00	0.00
39.35	5.81	0.00	0.00
39.40	5.81	0.00	0.00
39.45	5.81	0.00	0.00
39.50	5.81	0.00	0.00
39.55	5.81	0.00	0.00
39.60	5.81	0.00	0.00
39.65	5.81	0.00	0.00
39.70	5.81	0.00	0.00
39.75	5.81	0.00	0.00
39.80	5.81	0.00	0.00
39.85	5.81	0.00	0.00
39.90	5.81	0.00	0.00
39.95	5.81	0.00	0.00
40.00	5.81	0.00	0.00

Summary for Subcatchment 51P: PDA-51 (pervious)

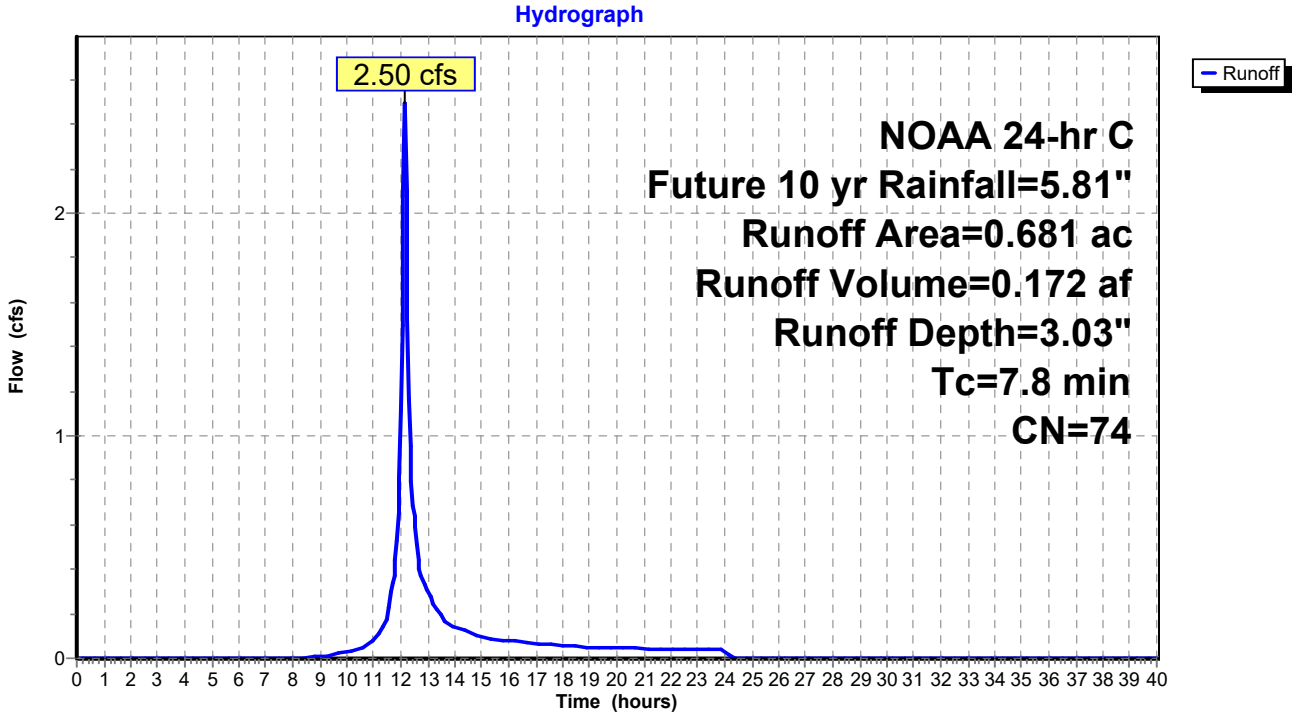
Runoff = 2.50 cfs @ 12.15 hrs, Volume= 0.172 af, Depth= 3.03"
Routed to Pond B-51 : Basin #51

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
0.681	74	>75% Grass cover, Good, HSG C
0.681		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
7.8					**Direct Entry,**

Subcatchment 51P: PDA-51 (pervious)



Hydrograph for Subcatchment 51P: PDA-51 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.00
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.00
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.00
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.00
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.00
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.00
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.00
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.01
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.01
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.01
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.01
6.35	0.50	0.00	0.00	8.95	0.84	0.01	0.01
6.40	0.50	0.00	0.00	9.00	0.85	0.01	0.01
6.45	0.51	0.00	0.00	9.05	0.86	0.01	0.01
6.50	0.51	0.00	0.00	9.10	0.87	0.01	0.01
6.55	0.52	0.00	0.00	9.15	0.87	0.01	0.01
6.60	0.52	0.00	0.00	9.20	0.88	0.01	0.01
6.65	0.53	0.00	0.00	9.25	0.89	0.01	0.01
6.70	0.53	0.00	0.00	9.30	0.90	0.01	0.01
6.75	0.54	0.00	0.00	9.35	0.91	0.01	0.01
6.80	0.54	0.00	0.00	9.40	0.92	0.01	0.01
6.85	0.55	0.00	0.00	9.45	0.93	0.01	0.01
6.90	0.56	0.00	0.00	9.50	0.94	0.02	0.02
6.95	0.56	0.00	0.00	9.55	0.95	0.02	0.02
7.00	0.57	0.00	0.00	9.60	0.96	0.02	0.02
7.05	0.57	0.00	0.00	9.65	0.98	0.02	0.02
7.10	0.58	0.00	0.00	9.70	0.99	0.02	0.02
7.15	0.58	0.00	0.00	9.75	1.00	0.02	0.02
7.20	0.59	0.00	0.00	9.80	1.01	0.02	0.02
7.25	0.60	0.00	0.00	9.85	1.02	0.03	0.02
7.30	0.60	0.00	0.00	9.90	1.03	0.03	0.02
7.35	0.61	0.00	0.00	9.95	1.05	0.03	0.03
7.40	0.62	0.00	0.00	10.00	1.06	0.03	0.03
7.45	0.62	0.00	0.00	10.05	1.07	0.04	0.03
7.50	0.63	0.00	0.00	10.10	1.09	0.04	0.03
7.55	0.64	0.00	0.00	10.15	1.10	0.04	0.03
7.60	0.64	0.00	0.00	10.20	1.11	0.04	0.03
7.65	0.65	0.00	0.00	10.25	1.13	0.05	0.03
7.70	0.65	0.00	0.00	10.30	1.14	0.05	0.04
7.75	0.66	0.00	0.00	10.35	1.15	0.05	0.04

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.05	0.04	13.00	4.42	1.91	0.30
10.45	1.18	0.06	0.04	13.05	4.44	1.93	0.28
10.50	1.20	0.06	0.04	13.10	4.46	1.94	0.26
10.55	1.21	0.06	0.05	13.15	4.48	1.96	0.25
10.60	1.23	0.07	0.05	13.20	4.50	1.98	0.24
10.65	1.25	0.07	0.05	13.25	4.52	1.99	0.23
10.70	1.27	0.08	0.06	13.30	4.54	2.01	0.22
10.75	1.29	0.08	0.06	13.35	4.56	2.02	0.21
10.80	1.31	0.09	0.06	13.40	4.58	2.03	0.20
10.85	1.33	0.09	0.07	13.45	4.60	2.05	0.19
10.90	1.35	0.10	0.07	13.50	4.61	2.06	0.19
10.95	1.37	0.11	0.08	13.55	4.63	2.07	0.18
11.00	1.39	0.11	0.09	13.60	4.64	2.08	0.17
11.05	1.42	0.12	0.09	13.65	4.66	2.09	0.16
11.10	1.45	0.13	0.10	13.70	4.67	2.10	0.16
11.15	1.48	0.14	0.11	13.75	4.68	2.12	0.15
11.20	1.51	0.15	0.12	13.80	4.70	2.13	0.15
11.25	1.54	0.16	0.13	13.85	4.71	2.14	0.15
11.30	1.57	0.17	0.14	13.90	4.72	2.15	0.15
11.35	1.61	0.18	0.15	13.95	4.74	2.16	0.14
11.40	1.64	0.20	0.16	14.00	4.75	2.17	0.14
11.45	1.68	0.21	0.17	14.05	4.76	2.18	0.14
11.50	1.72	0.23	0.19	14.10	4.78	2.19	0.14
11.55	1.78	0.25	0.20	14.15	4.79	2.20	0.14
11.60	1.83	0.28	0.25	14.20	4.80	2.21	0.13
11.65	1.90	0.30	0.30	14.25	4.81	2.21	0.13
11.70	1.96	0.33	0.34	14.30	4.82	2.22	0.13
11.75	2.04	0.37	0.37	14.35	4.83	2.23	0.13
11.80	2.13	0.41	0.44	14.40	4.85	2.24	0.12
11.85	2.25	0.47	0.53	14.45	4.86	2.25	0.12
11.90	2.36	0.53	0.65	14.50	4.87	2.26	0.12
11.95	2.57	0.65	0.81	14.55	4.88	2.27	0.12
12.00	2.77	0.77	1.11	14.60	4.89	2.27	0.12
12.05	3.11	0.98	1.50	14.65	4.90	2.28	0.11
12.10	3.45	1.20	2.08	14.70	4.91	2.29	0.11
12.15	3.56	1.28	**2.50**	14.75	4.92	2.30	0.11
12.20	3.68	1.37	2.11	14.80	4.93	2.31	0.11
12.25	3.77	1.43	1.53	14.85	4.94	2.31	0.10
12.30	3.85	1.49	1.17	14.90	4.94	2.32	0.10
12.35	3.91	1.53	0.95	14.95	4.95	2.33	0.10
12.40	3.98	1.58	0.80	15.00	4.96	2.33	0.10
12.45	4.03	1.62	0.69	15.05	4.97	2.34	0.09
12.50	4.09	1.67	0.63	15.10	4.98	2.35	0.09
12.55	4.13	1.69	0.59	15.15	4.99	2.35	0.09
12.60	4.17	1.72	0.51	15.20	4.99	2.36	0.09
12.65	4.20	1.75	0.44	15.25	5.00	2.37	0.09
12.70	4.24	1.77	0.40	15.30	5.01	2.37	0.09
12.75	4.27	1.80	0.38	15.35	5.02	2.38	0.09
12.80	4.30	1.82	0.36	15.40	5.03	2.38	0.09
12.85	4.33	1.85	0.34	15.45	5.03	2.39	0.09
12.90	4.36	1.87	0.33	15.50	5.04	2.40	0.09
12.95	4.39	1.89	0.31	15.55	5.05	2.40	0.08

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	2.41	0.08	18.20	5.37	2.66	0.05
15.65	5.06	2.41	0.08	18.25	5.37	2.67	0.05
15.70	5.07	2.42	0.08	18.30	5.38	2.67	0.05
15.75	5.08	2.43	0.08	18.35	5.38	2.67	0.05
15.80	5.09	2.43	0.08	18.40	5.39	2.68	0.05
15.85	5.09	2.44	0.08	18.45	5.39	2.68	0.05
15.90	5.10	2.44	0.08	18.50	5.40	2.68	0.05
15.95	5.11	2.45	0.08	18.55	5.40	2.69	0.05
16.00	5.11	2.46	0.08	18.60	5.40	2.69	0.05
16.05	5.12	2.46	0.08	18.65	5.41	2.69	0.05
16.10	5.13	2.47	0.08	18.70	5.41	2.70	0.05
16.15	5.13	2.47	0.08	18.75	5.42	2.70	0.05
16.20	5.14	2.48	0.08	18.80	5.42	2.71	0.05
16.25	5.15	2.48	0.08	18.85	5.43	2.71	0.05
16.30	5.16	2.49	0.08	18.90	5.43	2.71	0.05
16.35	5.16	2.49	0.07	18.95	5.44	2.72	0.05
16.40	5.17	2.50	0.07	19.00	5.44	2.72	0.05
16.45	5.17	2.50	0.07	19.05	5.44	2.72	0.05
16.50	5.18	2.51	0.07	19.10	5.45	2.73	0.05
16.55	5.19	2.52	0.07	19.15	5.45	2.73	0.05
16.60	5.19	2.52	0.07	19.20	5.46	2.73	0.05
16.65	5.20	2.53	0.07	19.25	5.46	2.74	0.05
16.70	5.21	2.53	0.07	19.30	5.47	2.74	0.05
16.75	5.21	2.54	0.07	19.35	5.47	2.75	0.05
16.80	5.22	2.54	0.07	19.40	5.48	2.75	0.05
16.85	5.23	2.55	0.07	19.45	5.48	2.75	0.05
16.90	5.23	2.55	0.07	19.50	5.48	2.76	0.05
16.95	5.24	2.55	0.07	19.55	5.49	2.76	0.05
17.00	5.24	2.56	0.07	19.60	5.49	2.76	0.05
17.05	5.25	2.56	0.07	19.65	5.50	2.77	0.05
17.10	5.25	2.57	0.07	19.70	5.50	2.77	0.05
17.15	5.26	2.57	0.07	19.75	5.50	2.77	0.05
17.20	5.27	2.58	0.06	19.80	5.51	2.78	0.05
17.25	5.27	2.58	0.06	19.85	5.51	2.78	0.05
17.30	5.28	2.59	0.06	19.90	5.52	2.78	0.05
17.35	5.28	2.59	0.06	19.95	5.52	2.79	0.05
17.40	5.29	2.60	0.06	20.00	5.53	2.79	0.05
17.45	5.29	2.60	0.06	20.05	5.53	2.79	0.05
17.50	5.30	2.61	0.06	20.10	5.53	2.80	0.05
17.55	5.30	2.61	0.06	20.15	5.54	2.80	0.05
17.60	5.31	2.61	0.06	20.20	5.54	2.80	0.05
17.65	5.31	2.62	0.06	20.25	5.55	2.81	0.05
17.70	5.32	2.62	0.06	20.30	5.55	2.81	0.05
17.75	5.33	2.63	0.06	20.35	5.55	2.81	0.05
17.80	5.33	2.63	0.06	20.40	5.56	2.82	0.05
17.85	5.34	2.63	0.06	20.45	5.56	2.82	0.05
17.90	5.34	2.64	0.06	20.50	5.57	2.82	0.05
17.95	5.34	2.64	0.06	20.55	5.57	2.83	0.05
18.00	5.35	2.65	0.05	20.60	5.57	2.83	0.05
18.05	5.35	2.65	0.05	20.65	5.58	2.83	0.05
18.10	5.36	2.65	0.05	20.70	5.58	2.84	0.04
18.15	5.36	2.66	0.05	20.75	5.59	2.84	0.04

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.84	0.04	23.40	5.77	2.99	0.04
20.85	5.59	2.85	0.04	23.45	5.78	3.00	0.04
20.90	5.60	2.85	0.04	23.50	5.78	3.00	0.04
20.95	5.60	2.85	0.04	23.55	5.78	3.00	0.04
21.00	5.61	2.86	0.04	23.60	5.78	3.00	0.04
21.05	5.61	2.86	0.04	23.65	5.79	3.01	0.04
21.10	5.61	2.86	0.04	23.70	5.79	3.01	0.04
21.15	5.62	2.87	0.04	23.75	5.79	3.01	0.04
21.20	5.62	2.87	0.04	23.80	5.80	3.01	0.03
21.25	5.62	2.87	0.04	23.85	5.80	3.02	0.03
21.30	5.63	2.87	0.04	23.90	5.80	3.02	0.03
21.35	5.63	2.88	0.04	23.95	5.81	3.02	0.03
21.40	5.64	2.88	0.04	24.00	**5.81**	**3.03**	0.04
21.45	5.64	2.88	0.04	24.05	5.81	3.03	0.04
21.50	5.64	2.89	0.04	24.10	5.81	3.03	0.02
21.55	5.65	2.89	0.04	24.15	5.81	3.03	0.01
21.60	5.65	2.89	0.04	24.20	5.81	3.03	0.00
21.65	5.65	2.90	0.04	24.25	5.81	3.03	0.00
21.70	5.66	2.90	0.04	24.30	5.81	3.03	0.00
21.75	5.66	2.90	0.04	24.35	5.81	3.03	0.00
21.80	5.66	2.90	0.04	24.40	5.81	3.03	0.00
21.85	5.67	2.91	0.04	24.45	5.81	3.03	0.00
21.90	5.67	2.91	0.04	24.50	5.81	3.03	0.00
21.95	5.68	2.91	0.04	24.55	5.81	3.03	0.00
22.00	5.68	2.92	0.04	24.60	5.81	3.03	0.00
22.05	5.68	2.92	0.04	24.65	5.81	3.03	0.00
22.10	5.69	2.92	0.04	24.70	5.81	3.03	0.00
22.15	5.69	2.93	0.04	24.75	5.81	3.03	0.00
22.20	5.69	2.93	0.04	24.80	5.81	3.03	0.00
22.25	5.70	2.93	0.04	24.85	5.81	3.03	0.00
22.30	5.70	2.93	0.04	24.90	5.81	3.03	0.00
22.35	5.70	2.94	0.04	24.95	5.81	3.03	0.00
22.40	5.71	2.94	0.04	25.00	5.81	3.03	0.00
22.45	5.71	2.94	0.04	25.05	5.81	3.03	0.00
22.50	5.71	2.95	0.04	25.10	5.81	3.03	0.00
22.55	5.72	2.95	0.04	25.15	5.81	3.03	0.00
22.60	5.72	2.95	0.04	25.20	5.81	3.03	0.00
22.65	5.72	2.95	0.04	25.25	5.81	3.03	0.00
22.70	5.73	2.96	0.04	25.30	5.81	3.03	0.00
22.75	5.73	2.96	0.04	25.35	5.81	3.03	0.00
22.80	5.73	2.96	0.04	25.40	5.81	3.03	0.00
22.85	5.74	2.96	0.04	25.45	5.81	3.03	0.00
22.90	5.74	2.97	0.04	25.50	5.81	3.03	0.00
22.95	5.74	2.97	0.04	25.55	5.81	3.03	0.00
23.00	5.75	2.97	0.04	25.60	5.81	3.03	0.00
23.05	5.75	2.98	0.04	25.65	5.81	3.03	0.00
23.10	5.75	2.98	0.04	25.70	5.81	3.03	0.00
23.15	5.76	2.98	0.04	25.75	5.81	3.03	0.00
23.20	5.76	2.98	0.04	25.80	5.81	3.03	0.00
23.25	5.76	2.99	0.04	25.85	5.81	3.03	0.00
23.30	5.77	2.99	0.04	25.90	5.81	3.03	0.00
23.35	5.77	2.99	0.04	25.95	5.81	3.03	0.00

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	3.03	0.00	28.60	5.81	3.03	0.00
26.05	5.81	3.03	0.00	28.65	5.81	3.03	0.00
26.10	5.81	3.03	0.00	28.70	5.81	3.03	0.00
26.15	5.81	3.03	0.00	28.75	5.81	3.03	0.00
26.20	5.81	3.03	0.00	28.80	5.81	3.03	0.00
26.25	5.81	3.03	0.00	28.85	5.81	3.03	0.00
26.30	5.81	3.03	0.00	28.90	5.81	3.03	0.00
26.35	5.81	3.03	0.00	28.95	5.81	3.03	0.00
26.40	5.81	3.03	0.00	29.00	5.81	3.03	0.00
26.45	5.81	3.03	0.00	29.05	5.81	3.03	0.00
26.50	5.81	3.03	0.00	29.10	5.81	3.03	0.00
26.55	5.81	3.03	0.00	29.15	5.81	3.03	0.00
26.60	5.81	3.03	0.00	29.20	5.81	3.03	0.00
26.65	5.81	3.03	0.00	29.25	5.81	3.03	0.00
26.70	5.81	3.03	0.00	29.30	5.81	3.03	0.00
26.75	5.81	3.03	0.00	29.35	5.81	3.03	0.00
26.80	5.81	3.03	0.00	29.40	5.81	3.03	0.00
26.85	5.81	3.03	0.00	29.45	5.81	3.03	0.00
26.90	5.81	3.03	0.00	29.50	5.81	3.03	0.00
26.95	5.81	3.03	0.00	29.55	5.81	3.03	0.00
27.00	5.81	3.03	0.00	29.60	5.81	3.03	0.00
27.05	5.81	3.03	0.00	29.65	5.81	3.03	0.00
27.10	5.81	3.03	0.00	29.70	5.81	3.03	0.00
27.15	5.81	3.03	0.00	29.75	5.81	3.03	0.00
27.20	5.81	3.03	0.00	29.80	5.81	3.03	0.00
27.25	5.81	3.03	0.00	29.85	5.81	3.03	0.00
27.30	5.81	3.03	0.00	29.90	5.81	3.03	0.00
27.35	5.81	3.03	0.00	29.95	5.81	3.03	0.00
27.40	5.81	3.03	0.00	30.00	5.81	3.03	0.00
27.45	5.81	3.03	0.00	30.05	5.81	3.03	0.00
27.50	5.81	3.03	0.00	30.10	5.81	3.03	0.00
27.55	5.81	3.03	0.00	30.15	5.81	3.03	0.00
27.60	5.81	3.03	0.00	30.20	5.81	3.03	0.00
27.65	5.81	3.03	0.00	30.25	5.81	3.03	0.00
27.70	5.81	3.03	0.00	30.30	5.81	3.03	0.00
27.75	5.81	3.03	0.00	30.35	5.81	3.03	0.00
27.80	5.81	3.03	0.00	30.40	5.81	3.03	0.00
27.85	5.81	3.03	0.00	30.45	5.81	3.03	0.00
27.90	5.81	3.03	0.00	30.50	5.81	3.03	0.00
27.95	5.81	3.03	0.00	30.55	5.81	3.03	0.00
28.00	5.81	3.03	0.00	30.60	5.81	3.03	0.00
28.05	5.81	3.03	0.00	30.65	5.81	3.03	0.00
28.10	5.81	3.03	0.00	30.70	5.81	3.03	0.00
28.15	5.81	3.03	0.00	30.75	5.81	3.03	0.00
28.20	5.81	3.03	0.00	30.80	5.81	3.03	0.00
28.25	5.81	3.03	0.00	30.85	5.81	3.03	0.00
28.30	5.81	3.03	0.00	30.90	5.81	3.03	0.00
28.35	5.81	3.03	0.00	30.95	5.81	3.03	0.00
28.40	5.81	3.03	0.00	31.00	5.81	3.03	0.00
28.45	5.81	3.03	0.00	31.05	5.81	3.03	0.00
28.50	5.81	3.03	0.00	31.10	5.81	3.03	0.00
28.55	5.81	3.03	0.00	31.15	5.81	3.03	0.00

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	3.03	0.00	33.80	5.81	3.03	0.00
31.25	5.81	3.03	0.00	33.85	5.81	3.03	0.00
31.30	5.81	3.03	0.00	33.90	5.81	3.03	0.00
31.35	5.81	3.03	0.00	33.95	5.81	3.03	0.00
31.40	5.81	3.03	0.00	34.00	5.81	3.03	0.00
31.45	5.81	3.03	0.00	34.05	5.81	3.03	0.00
31.50	5.81	3.03	0.00	34.10	5.81	3.03	0.00
31.55	5.81	3.03	0.00	34.15	5.81	3.03	0.00
31.60	5.81	3.03	0.00	34.20	5.81	3.03	0.00
31.65	5.81	3.03	0.00	34.25	5.81	3.03	0.00
31.70	5.81	3.03	0.00	34.30	5.81	3.03	0.00
31.75	5.81	3.03	0.00	34.35	5.81	3.03	0.00
31.80	5.81	3.03	0.00	34.40	5.81	3.03	0.00
31.85	5.81	3.03	0.00	34.45	5.81	3.03	0.00
31.90	5.81	3.03	0.00	34.50	5.81	3.03	0.00
31.95	5.81	3.03	0.00	34.55	5.81	3.03	0.00
32.00	5.81	3.03	0.00	34.60	5.81	3.03	0.00
32.05	5.81	3.03	0.00	34.65	5.81	3.03	0.00
32.10	5.81	3.03	0.00	34.70	5.81	3.03	0.00
32.15	5.81	3.03	0.00	34.75	5.81	3.03	0.00
32.20	5.81	3.03	0.00	34.80	5.81	3.03	0.00
32.25	5.81	3.03	0.00	34.85	5.81	3.03	0.00
32.30	5.81	3.03	0.00	34.90	5.81	3.03	0.00
32.35	5.81	3.03	0.00	34.95	5.81	3.03	0.00
32.40	5.81	3.03	0.00	35.00	5.81	3.03	0.00
32.45	5.81	3.03	0.00	35.05	5.81	3.03	0.00
32.50	5.81	3.03	0.00	35.10	5.81	3.03	0.00
32.55	5.81	3.03	0.00	35.15	5.81	3.03	0.00
32.60	5.81	3.03	0.00	35.20	5.81	3.03	0.00
32.65	5.81	3.03	0.00	35.25	5.81	3.03	0.00
32.70	5.81	3.03	0.00	35.30	5.81	3.03	0.00
32.75	5.81	3.03	0.00	35.35	5.81	3.03	0.00
32.80	5.81	3.03	0.00	35.40	5.81	3.03	0.00
32.85	5.81	3.03	0.00	35.45	5.81	3.03	0.00
32.90	5.81	3.03	0.00	35.50	5.81	3.03	0.00
32.95	5.81	3.03	0.00	35.55	5.81	3.03	0.00
33.00	5.81	3.03	0.00	35.60	5.81	3.03	0.00
33.05	5.81	3.03	0.00	35.65	5.81	3.03	0.00
33.10	5.81	3.03	0.00	35.70	5.81	3.03	0.00
33.15	5.81	3.03	0.00	35.75	5.81	3.03	0.00
33.20	5.81	3.03	0.00	35.80	5.81	3.03	0.00
33.25	5.81	3.03	0.00	35.85	5.81	3.03	0.00
33.30	5.81	3.03	0.00	35.90	5.81	3.03	0.00
33.35	5.81	3.03	0.00	35.95	5.81	3.03	0.00
33.40	5.81	3.03	0.00	36.00	5.81	3.03	0.00
33.45	5.81	3.03	0.00	36.05	5.81	3.03	0.00
33.50	5.81	3.03	0.00	36.10	5.81	3.03	0.00
33.55	5.81	3.03	0.00	36.15	5.81	3.03	0.00
33.60	5.81	3.03	0.00	36.20	5.81	3.03	0.00
33.65	5.81	3.03	0.00	36.25	5.81	3.03	0.00
33.70	5.81	3.03	0.00	36.30	5.81	3.03	0.00
33.75	5.81	3.03	0.00	36.35	5.81	3.03	0.00

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	3.03	0.00
36.45	5.81	3.03	0.00
36.50	5.81	3.03	0.00
36.55	5.81	3.03	0.00
36.60	5.81	3.03	0.00
36.65	5.81	3.03	0.00
36.70	5.81	3.03	0.00
36.75	5.81	3.03	0.00
36.80	5.81	3.03	0.00
36.85	5.81	3.03	0.00
36.90	5.81	3.03	0.00
36.95	5.81	3.03	0.00
37.00	5.81	3.03	0.00
37.05	5.81	3.03	0.00
37.10	5.81	3.03	0.00
37.15	5.81	3.03	0.00
37.20	5.81	3.03	0.00
37.25	5.81	3.03	0.00
37.30	5.81	3.03	0.00
37.35	5.81	3.03	0.00
37.40	5.81	3.03	0.00
37.45	5.81	3.03	0.00
37.50	5.81	3.03	0.00
37.55	5.81	3.03	0.00
37.60	5.81	3.03	0.00
37.65	5.81	3.03	0.00
37.70	5.81	3.03	0.00
37.75	5.81	3.03	0.00
37.80	5.81	3.03	0.00
37.85	5.81	3.03	0.00
37.90	5.81	3.03	0.00
37.95	5.81	3.03	0.00
38.00	5.81	3.03	0.00
38.05	5.81	3.03	0.00
38.10	5.81	3.03	0.00
38.15	5.81	3.03	0.00
38.20	5.81	3.03	0.00
38.25	5.81	3.03	0.00
38.30	5.81	3.03	0.00
38.35	5.81	3.03	0.00
38.40	5.81	3.03	0.00
38.45	5.81	3.03	0.00
38.50	5.81	3.03	0.00
38.55	5.81	3.03	0.00
38.60	5.81	3.03	0.00
38.65	5.81	3.03	0.00
38.70	5.81	3.03	0.00
38.75	5.81	3.03	0.00
38.80	5.81	3.03	0.00
38.85	5.81	3.03	0.00
38.90	5.81	3.03	0.00
38.95	5.81	3.03	0.00
39.00	5.81	3.03	0.00
39.05	5.81	3.03	0.00
39.10	5.81	3.03	0.00
39.15	5.81	3.03	0.00
39.20	5.81	3.03	0.00
39.25	5.81	3.03	0.00
39.30	5.81	3.03	0.00
39.35	5.81	3.03	0.00
39.40	5.81	3.03	0.00
39.45	5.81	3.03	0.00
39.50	5.81	3.03	0.00
39.55	5.81	3.03	0.00
39.60	5.81	3.03	0.00
39.65	5.81	3.03	0.00
39.70	5.81	3.03	0.00
39.75	5.81	3.03	0.00
39.80	5.81	3.03	0.00
39.85	5.81	3.03	0.00
39.90	5.81	3.03	0.00
39.95	5.81	3.03	0.00
40.00	5.81	3.03	0.00

Summary for Subcatchment 52l: PDA-52 (impervious)

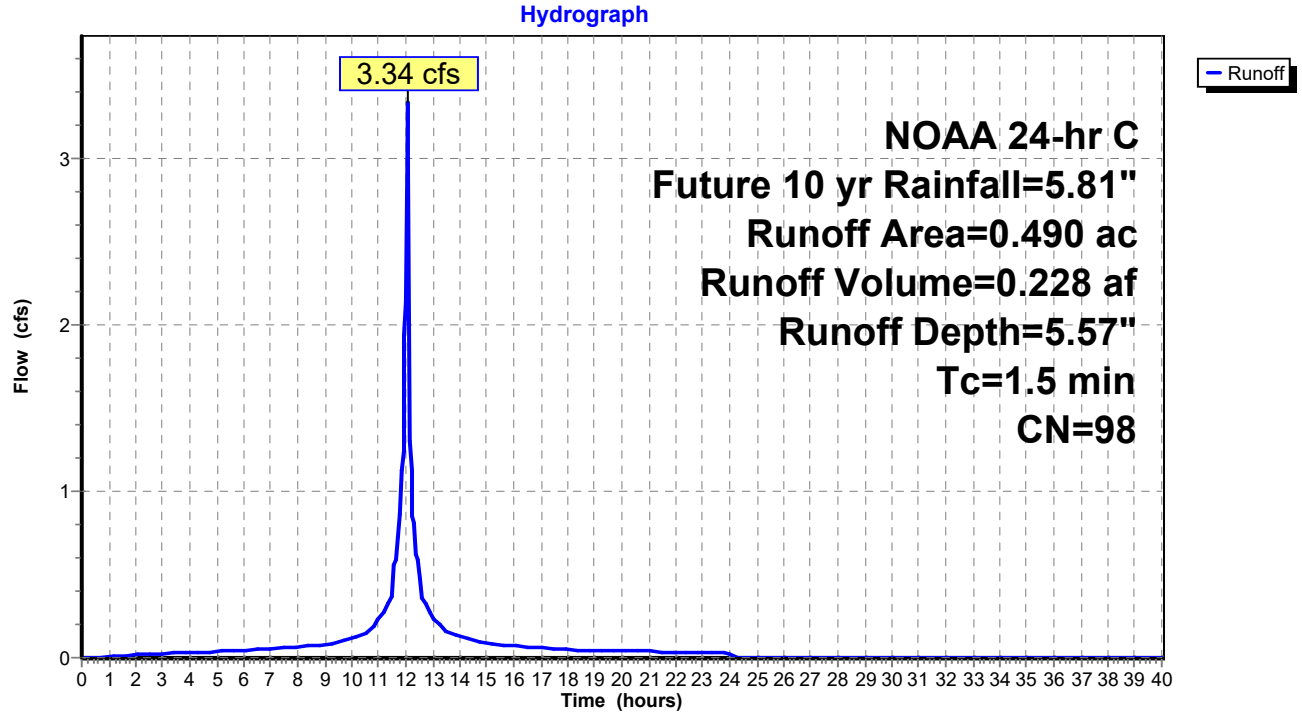
Runoff = 3.34 cfs @ 12.07 hrs, Volume= 0.228 af, Depth= 5.57"
Routed to Pond B-52 : Basin #52

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

	Area (ac)	CN	Description
*	0.118	98	Pavement, HSG C
*	0.339	98	Roof, HSG C
*	0.033	98	Concrete, HSG C
	0.490	98	Weighted Average
	0.490		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.5					**Direct Entry,**

Subcatchment 52l: PDA-52 (impervious)



Hydrograph for Subcatchment 52I: PDA-52 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.05	0.02
0.05	0.00	0.00	0.00	2.65	0.18	0.06	0.02
0.10	0.01	0.00	0.00	2.70	0.18	0.06	0.02
0.15	0.01	0.00	0.00	2.75	0.19	0.06	0.02
0.20	0.01	0.00	0.00	2.80	0.19	0.06	0.02
0.25	0.02	0.00	0.00	2.85	0.19	0.07	0.02
0.30	0.02	0.00	0.00	2.90	0.20	0.07	0.03
0.35	0.02	0.00	0.00	2.95	0.20	0.07	0.03
0.40	0.03	0.00	0.00	3.00	0.20	0.07	0.03
0.45	0.03	0.00	0.00	3.05	0.21	0.08	0.03
0.50	0.03	0.00	0.00	3.10	0.21	0.08	0.03
0.55	0.03	0.00	0.00	3.15	0.22	0.08	0.03
0.60	0.04	0.00	0.00	3.20	0.22	0.08	0.03
0.65	0.04	0.00	0.00	3.25	0.22	0.09	0.03
0.70	0.04	0.00	0.00	3.30	0.23	0.09	0.03
0.75	0.05	0.00	0.00	3.35	0.23	0.09	0.03
0.80	0.05	0.00	0.00	3.40	0.24	0.10	0.03
0.85	0.05	0.00	0.00	3.45	0.24	0.10	0.03
0.90	0.06	0.00	0.00	3.50	0.24	0.10	0.03
0.95	0.06	0.00	0.00	3.55	0.25	0.10	0.03
1.00	0.06	0.00	0.01	3.60	0.25	0.11	0.03
1.05	0.07	0.00	0.01	3.65	0.26	0.11	0.03
1.10	0.07	0.00	0.01	3.70	0.26	0.11	0.03
1.15	0.07	0.00	0.01	3.75	0.26	0.12	0.03
1.20	0.08	0.01	0.01	3.80	0.27	0.12	0.03
1.25	0.08	0.01	0.01	3.85	0.27	0.12	0.03
1.30	0.08	0.01	0.01	3.90	0.28	0.13	0.03
1.35	0.09	0.01	0.01	3.95	0.28	0.13	0.03
1.40	0.09	0.01	0.01	4.00	0.28	0.13	0.03
1.45	0.09	0.01	0.01	4.05	0.29	0.14	0.03
1.50	0.10	0.01	0.01	4.10	0.29	0.14	0.03
1.55	0.10	0.01	0.01	4.15	0.30	0.14	0.03
1.60	0.10	0.01	0.01	4.20	0.30	0.15	0.03
1.65	0.11	0.02	0.01	4.25	0.31	0.15	0.03
1.70	0.11	0.02	0.01	4.30	0.31	0.15	0.03
1.75	0.11	0.02	0.02	4.35	0.31	0.16	0.03
1.80	0.12	0.02	0.02	4.40	0.32	0.16	0.03
1.85	0.12	0.02	0.02	4.45	0.32	0.16	0.03
1.90	0.12	0.02	0.02	4.50	0.33	0.17	0.03
1.95	0.13	0.03	0.02	4.55	0.33	0.17	0.03
2.00	0.13	0.03	0.02	4.60	0.33	0.17	0.04
2.05	0.13	0.03	0.02	4.65	0.34	0.18	0.04
2.10	0.14	0.03	0.02	4.70	0.34	0.18	0.04
2.15	0.14	0.03	0.02	4.75	0.35	0.18	0.04
2.20	0.15	0.04	0.02	4.80	0.35	0.19	0.04
2.25	0.15	0.04	0.02	4.85	0.36	0.19	0.04
2.30	0.15	0.04	0.02	4.90	0.36	0.20	0.04
2.35	0.16	0.04	0.02	4.95	0.37	0.20	0.04
2.40	0.16	0.04	0.02	5.00	0.37	0.20	0.04
2.45	0.16	0.05	0.02	5.05	0.37	0.21	0.04
2.50	0.17	0.05	0.02	5.10	0.38	0.21	0.04
2.55	0.17	0.05	0.02	5.15	0.38	0.21	0.04

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.22	0.04	7.80	0.67	0.47	0.06
5.25	0.39	0.22	0.04	7.85	0.68	0.48	0.06
5.30	0.40	0.23	0.04	7.90	0.68	0.49	0.06
5.35	0.40	0.23	0.04	7.95	0.69	0.49	0.07
5.40	0.41	0.23	0.04	8.00	0.70	0.50	0.07
5.45	0.41	0.24	0.04	8.05	0.70	0.51	0.07
5.50	0.41	0.24	0.04	8.10	0.71	0.51	0.07
5.55	0.42	0.25	0.04	8.15	0.72	0.52	0.07
5.60	0.42	0.25	0.04	8.20	0.72	0.53	0.07
5.65	0.43	0.25	0.04	8.25	0.73	0.53	0.07
5.70	0.43	0.26	0.04	8.30	0.74	0.54	0.07
5.75	0.44	0.26	0.04	8.35	0.75	0.55	0.07
5.80	0.44	0.27	0.04	8.40	0.75	0.55	0.07
5.85	0.45	0.27	0.04	8.45	0.76	0.56	0.07
5.90	0.45	0.27	0.04	8.50	0.77	0.57	0.07
5.95	0.46	0.28	0.04	8.55	0.78	0.58	0.07
6.00	0.46	0.28	0.04	8.60	0.78	0.58	0.07
6.05	0.47	0.29	0.04	8.65	0.79	0.59	0.07
6.10	0.47	0.29	0.04	8.70	0.80	0.60	0.07
6.15	0.47	0.30	0.04	8.75	0.81	0.61	0.07
6.20	0.48	0.30	0.04	8.80	0.82	0.61	0.07
6.25	0.48	0.30	0.04	8.85	0.82	0.62	0.08
6.30	0.49	0.31	0.04	8.90	0.83	0.63	0.08
6.35	0.50	0.31	0.05	8.95	0.84	0.64	0.08
6.40	0.50	0.32	0.05	9.00	0.85	0.64	0.08
6.45	0.51	0.32	0.05	9.05	0.86	0.65	0.08
6.50	0.51	0.33	0.05	9.10	0.87	0.66	0.08
6.55	0.52	0.33	0.05	9.15	0.87	0.67	0.09
6.60	0.52	0.34	0.05	9.20	0.88	0.68	0.09
6.65	0.53	0.34	0.05	9.25	0.89	0.69	0.09
6.70	0.53	0.35	0.05	9.30	0.90	0.70	0.09
6.75	0.54	0.35	0.05	9.35	0.91	0.71	0.09
6.80	0.54	0.36	0.05	9.40	0.92	0.72	0.09
6.85	0.55	0.36	0.05	9.45	0.93	0.73	0.10
6.90	0.56	0.37	0.05	9.50	0.94	0.74	0.10
6.95	0.56	0.37	0.05	9.55	0.95	0.75	0.10
7.00	0.57	0.38	0.05	9.60	0.96	0.76	0.10
7.05	0.57	0.38	0.05	9.65	0.98	0.77	0.11
7.10	0.58	0.39	0.05	9.70	0.99	0.78	0.11
7.15	0.58	0.40	0.06	9.75	1.00	0.79	0.11
7.20	0.59	0.40	0.06	9.80	1.01	0.80	0.11
7.25	0.60	0.41	0.06	9.85	1.02	0.81	0.12
7.30	0.60	0.41	0.06	9.90	1.03	0.82	0.12
7.35	0.61	0.42	0.06	9.95	1.05	0.84	0.12
7.40	0.62	0.42	0.06	10.00	1.06	0.85	0.12
7.45	0.62	0.43	0.06	10.05	1.07	0.86	0.12
7.50	0.63	0.44	0.06	10.10	1.09	0.87	0.12
7.55	0.64	0.44	0.06	10.15	1.10	0.89	0.13
7.60	0.64	0.45	0.06	10.20	1.11	0.90	0.13
7.65	0.65	0.45	0.06	10.25	1.13	0.91	0.13
7.70	0.65	0.46	0.06	10.30	1.14	0.93	0.13
7.75	0.66	0.47	0.06	10.35	1.15	0.94	0.14

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.95	0.14	13.00	4.42	4.18	0.25
10.45	1.18	0.97	0.14	13.05	4.44	4.20	0.23
10.50	1.20	0.98	0.14	13.10	4.46	4.23	0.23
10.55	1.21	1.00	0.16	13.15	4.48	4.25	0.21
10.60	1.23	1.02	0.16	13.20	4.50	4.27	0.21
10.65	1.25	1.03	0.17	13.25	4.52	4.29	0.20
10.70	1.27	1.05	0.18	13.30	4.54	4.31	0.19
10.75	1.29	1.07	0.19	13.35	4.56	4.33	0.18
10.80	1.31	1.09	0.19	13.40	4.58	4.34	0.18
10.85	1.33	1.11	0.21	13.45	4.60	4.36	0.16
10.90	1.35	1.13	0.21	13.50	4.61	4.38	0.16
10.95	1.37	1.15	0.22	13.55	4.63	4.39	0.15
11.00	1.39	1.18	0.23	13.60	4.64	4.41	0.14
11.05	1.42	1.20	0.25	13.65	4.66	4.42	0.14
11.10	1.45	1.23	0.26	13.70	4.67	4.43	0.14
11.15	1.48	1.26	0.28	13.75	4.68	4.45	0.14
11.20	1.51	1.29	0.29	13.80	4.70	4.46	0.14
11.25	1.54	1.32	0.31	13.85	4.71	4.48	0.13
11.30	1.57	1.35	0.32	13.90	4.72	4.49	0.13
11.35	1.61	1.38	0.34	13.95	4.74	4.50	0.13
11.40	1.64	1.42	0.35	14.00	4.75	4.51	0.13
11.45	1.68	1.46	0.37	14.05	4.76	4.53	0.12
11.50	1.72	1.49	0.39	14.10	4.78	4.54	0.12
11.55	1.78	1.55	0.56	14.15	4.79	4.55	0.12
11.60	1.83	1.61	0.58	14.20	4.80	4.56	0.12
11.65	1.90	1.67	0.60	14.25	4.81	4.57	0.11
11.70	1.96	1.73	0.63	14.30	4.82	4.59	0.11
11.75	2.04	1.82	0.81	14.35	4.83	4.60	0.11
11.80	2.13	1.90	0.86	14.40	4.85	4.61	0.11
11.85	2.25	2.02	1.13	14.45	4.86	4.62	0.11
11.90	2.36	2.13	1.24	14.50	4.87	4.63	0.11
11.95	2.57	2.34	1.94	14.55	4.88	4.64	0.10
12.00	2.77	2.54	2.14	14.60	4.89	4.65	0.10
12.05	3.11	2.88	**3.24**	14.65	4.90	4.66	0.10
12.10	3.45	3.21	3.11	14.70	4.91	4.67	0.10
12.15	3.56	3.33	1.31	14.75	4.92	4.68	0.09
12.20	3.68	3.45	1.13	14.80	4.93	4.69	0.09
12.25	3.77	3.53	0.86	14.85	4.94	4.70	0.09
12.30	3.85	3.62	0.81	14.90	4.94	4.71	0.09
12.35	3.91	3.68	0.62	14.95	4.95	4.72	0.08
12.40	3.98	3.74	0.61	15.00	4.96	4.72	0.08
12.45	4.03	3.80	0.58	15.05	4.97	4.73	0.08
12.50	4.09	3.86	0.56	15.10	4.98	4.74	0.08
12.55	4.13	3.90	0.39	15.15	4.99	4.75	0.08
12.60	4.17	3.93	0.37	15.20	4.99	4.76	0.08
12.65	4.20	3.97	0.35	15.25	5.00	4.76	0.08
12.70	4.24	4.00	0.35	15.30	5.01	4.77	0.08
12.75	4.27	4.04	0.32	15.35	5.02	4.78	0.08
12.80	4.30	4.07	0.32	15.40	5.03	4.79	0.08
12.85	4.33	4.10	0.29	15.45	5.03	4.80	0.08
12.90	4.36	4.13	0.29	15.50	5.04	4.80	0.08
12.95	4.39	4.15	0.26	15.55	5.05	4.81	0.07

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	4.82	0.07	18.20	5.37	5.13	0.05
15.65	5.06	4.83	0.07	18.25	5.37	5.14	0.05
15.70	5.07	4.83	0.07	18.30	5.38	5.14	0.05
15.75	5.08	4.84	0.07	18.35	5.38	5.14	0.05
15.80	5.09	4.85	0.07	18.40	5.39	5.15	0.05
15.85	5.09	4.86	0.07	18.45	5.39	5.15	0.05
15.90	5.10	4.86	0.07	18.50	5.40	5.16	0.04
15.95	5.11	4.87	0.07	18.55	5.40	5.16	0.04
16.00	5.11	4.88	0.07	18.60	5.40	5.17	0.04
16.05	5.12	4.88	0.07	18.65	5.41	5.17	0.04
16.10	5.13	4.89	0.07	18.70	5.41	5.18	0.04
16.15	5.13	4.90	0.07	18.75	5.42	5.18	0.04
16.20	5.14	4.90	0.07	18.80	5.42	5.19	0.04
16.25	5.15	4.91	0.07	18.85	5.43	5.19	0.04
16.30	5.16	4.92	0.07	18.90	5.43	5.19	0.04
16.35	5.16	4.92	0.07	18.95	5.44	5.20	0.04
16.40	5.17	4.93	0.07	19.00	5.44	5.20	0.04
16.45	5.17	4.94	0.06	19.05	5.44	5.21	0.04
16.50	5.18	4.94	0.06	19.10	5.45	5.21	0.04
16.55	5.19	4.95	0.06	19.15	5.45	5.22	0.04
16.60	5.19	4.96	0.06	19.20	5.46	5.22	0.04
16.65	5.20	4.96	0.06	19.25	5.46	5.22	0.04
16.70	5.21	4.97	0.06	19.30	5.47	5.23	0.04
16.75	5.21	4.98	0.06	19.35	5.47	5.23	0.04
16.80	5.22	4.98	0.06	19.40	5.48	5.24	0.04
16.85	5.23	4.99	0.06	19.45	5.48	5.24	0.04
16.90	5.23	4.99	0.06	19.50	5.48	5.25	0.04
16.95	5.24	5.00	0.06	19.55	5.49	5.25	0.04
17.00	5.24	5.01	0.06	19.60	5.49	5.25	0.04
17.05	5.25	5.01	0.06	19.65	5.50	5.26	0.04
17.10	5.25	5.02	0.06	19.70	5.50	5.26	0.04
17.15	5.26	5.02	0.06	19.75	5.50	5.27	0.04
17.20	5.27	5.03	0.06	19.80	5.51	5.27	0.04
17.25	5.27	5.03	0.06	19.85	5.51	5.28	0.04
17.30	5.28	5.04	0.05	19.90	5.52	5.28	0.04
17.35	5.28	5.05	0.05	19.95	5.52	5.28	0.04
17.40	5.29	5.05	0.05	20.00	5.53	5.29	0.04
17.45	5.29	5.06	0.05	20.05	5.53	5.29	0.04
17.50	5.30	5.06	0.05	20.10	5.53	5.30	0.04
17.55	5.30	5.07	0.05	20.15	5.54	5.30	0.04
17.60	5.31	5.07	0.05	20.20	5.54	5.30	0.04
17.65	5.31	5.08	0.05	20.25	5.55	5.31	0.04
17.70	5.32	5.08	0.05	20.30	5.55	5.31	0.04
17.75	5.33	5.09	0.05	20.35	5.55	5.32	0.04
17.80	5.33	5.09	0.05	20.40	5.56	5.32	0.04
17.85	5.34	5.10	0.05	20.45	5.56	5.32	0.04
17.90	5.34	5.10	0.05	20.50	5.57	5.33	0.04
17.95	5.34	5.11	0.05	20.55	5.57	5.33	0.04
18.00	5.35	5.11	0.05	20.60	5.57	5.34	0.04
18.05	5.35	5.12	0.05	20.65	5.58	5.34	0.04
18.10	5.36	5.12	0.05	20.70	5.58	5.34	0.04
18.15	5.36	5.13	0.05	20.75	5.59	5.35	0.04

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	5.35	0.04	23.40	5.77	5.53	0.03
20.85	5.59	5.36	0.04	23.45	5.78	5.54	0.03
20.90	5.60	5.36	0.04	23.50	5.78	5.54	0.03
20.95	5.60	5.36	0.04	23.55	5.78	5.54	0.03
21.00	5.61	5.37	0.04	23.60	5.78	5.55	0.03
21.05	5.61	5.37	0.04	23.65	5.79	5.55	0.03
21.10	5.61	5.37	0.04	23.70	5.79	5.55	0.03
21.15	5.62	5.38	0.04	23.75	5.79	5.56	0.03
21.20	5.62	5.38	0.04	23.80	5.80	5.56	0.03
21.25	5.62	5.39	0.04	23.85	5.80	5.56	0.03
21.30	5.63	5.39	0.04	23.90	5.80	5.56	0.03
21.35	5.63	5.39	0.04	23.95	5.81	5.57	0.04
21.40	5.64	5.40	0.04	24.00	**5.81**	**5.57**	0.03
21.45	5.64	5.40	0.04	24.05	5.81	5.57	0.00
21.50	5.64	5.40	0.04	24.10	5.81	5.57	0.00
21.55	5.65	5.41	0.04	24.15	5.81	5.57	0.00
21.60	5.65	5.41	0.04	24.20	5.81	5.57	0.00
21.65	5.65	5.42	0.04	24.25	5.81	5.57	0.00
21.70	5.66	5.42	0.04	24.30	5.81	5.57	0.00
21.75	5.66	5.42	0.04	24.35	5.81	5.57	0.00
21.80	5.66	5.43	0.04	24.40	5.81	5.57	0.00
21.85	5.67	5.43	0.04	24.45	5.81	5.57	0.00
21.90	5.67	5.43	0.04	24.50	5.81	5.57	0.00
21.95	5.68	5.44	0.03	24.55	5.81	5.57	0.00
22.00	5.68	5.44	0.03	24.60	5.81	5.57	0.00
22.05	5.68	5.44	0.03	24.65	5.81	5.57	0.00
22.10	5.69	5.45	0.03	24.70	5.81	5.57	0.00
22.15	5.69	5.45	0.03	24.75	5.81	5.57	0.00
22.20	5.69	5.45	0.03	24.80	5.81	5.57	0.00
22.25	5.70	5.46	0.03	24.85	5.81	5.57	0.00
22.30	5.70	5.46	0.03	24.90	5.81	5.57	0.00
22.35	5.70	5.47	0.03	24.95	5.81	5.57	0.00
22.40	5.71	5.47	0.03	25.00	5.81	5.57	0.00
22.45	5.71	5.47	0.03	25.05	5.81	5.57	0.00
22.50	5.71	5.48	0.03	25.10	5.81	5.57	0.00
22.55	5.72	5.48	0.03	25.15	5.81	5.57	0.00
22.60	5.72	5.48	0.03	25.20	5.81	5.57	0.00
22.65	5.72	5.49	0.03	25.25	5.81	5.57	0.00
22.70	5.73	5.49	0.03	25.30	5.81	5.57	0.00
22.75	5.73	5.49	0.03	25.35	5.81	5.57	0.00
22.80	5.73	5.50	0.03	25.40	5.81	5.57	0.00
22.85	5.74	5.50	0.03	25.45	5.81	5.57	0.00
22.90	5.74	5.50	0.03	25.50	5.81	5.57	0.00
22.95	5.74	5.51	0.03	25.55	5.81	5.57	0.00
23.00	5.75	5.51	0.03	25.60	5.81	5.57	0.00
23.05	5.75	5.51	0.03	25.65	5.81	5.57	0.00
23.10	5.75	5.52	0.03	25.70	5.81	5.57	0.00
23.15	5.76	5.52	0.03	25.75	5.81	5.57	0.00
23.20	5.76	5.52	0.03	25.80	5.81	5.57	0.00
23.25	5.76	5.52	0.03	25.85	5.81	5.57	0.00
23.30	5.77	5.53	0.03	25.90	5.81	5.57	0.00
23.35	5.77	5.53	0.03	25.95	5.81	5.57	0.00

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	5.57	0.00	28.60	5.81	5.57	0.00
26.05	5.81	5.57	0.00	28.65	5.81	5.57	0.00
26.10	5.81	5.57	0.00	28.70	5.81	5.57	0.00
26.15	5.81	5.57	0.00	28.75	5.81	5.57	0.00
26.20	5.81	5.57	0.00	28.80	5.81	5.57	0.00
26.25	5.81	5.57	0.00	28.85	5.81	5.57	0.00
26.30	5.81	5.57	0.00	28.90	5.81	5.57	0.00
26.35	5.81	5.57	0.00	28.95	5.81	5.57	0.00
26.40	5.81	5.57	0.00	29.00	5.81	5.57	0.00
26.45	5.81	5.57	0.00	29.05	5.81	5.57	0.00
26.50	5.81	5.57	0.00	29.10	5.81	5.57	0.00
26.55	5.81	5.57	0.00	29.15	5.81	5.57	0.00
26.60	5.81	5.57	0.00	29.20	5.81	5.57	0.00
26.65	5.81	5.57	0.00	29.25	5.81	5.57	0.00
26.70	5.81	5.57	0.00	29.30	5.81	5.57	0.00
26.75	5.81	5.57	0.00	29.35	5.81	5.57	0.00
26.80	5.81	5.57	0.00	29.40	5.81	5.57	0.00
26.85	5.81	5.57	0.00	29.45	5.81	5.57	0.00
26.90	5.81	5.57	0.00	29.50	5.81	5.57	0.00
26.95	5.81	5.57	0.00	29.55	5.81	5.57	0.00
27.00	5.81	5.57	0.00	29.60	5.81	5.57	0.00
27.05	5.81	5.57	0.00	29.65	5.81	5.57	0.00
27.10	5.81	5.57	0.00	29.70	5.81	5.57	0.00
27.15	5.81	5.57	0.00	29.75	5.81	5.57	0.00
27.20	5.81	5.57	0.00	29.80	5.81	5.57	0.00
27.25	5.81	5.57	0.00	29.85	5.81	5.57	0.00
27.30	5.81	5.57	0.00	29.90	5.81	5.57	0.00
27.35	5.81	5.57	0.00	29.95	5.81	5.57	0.00
27.40	5.81	5.57	0.00	30.00	5.81	5.57	0.00
27.45	5.81	5.57	0.00	30.05	5.81	5.57	0.00
27.50	5.81	5.57	0.00	30.10	5.81	5.57	0.00
27.55	5.81	5.57	0.00	30.15	5.81	5.57	0.00
27.60	5.81	5.57	0.00	30.20	5.81	5.57	0.00
27.65	5.81	5.57	0.00	30.25	5.81	5.57	0.00
27.70	5.81	5.57	0.00	30.30	5.81	5.57	0.00
27.75	5.81	5.57	0.00	30.35	5.81	5.57	0.00
27.80	5.81	5.57	0.00	30.40	5.81	5.57	0.00
27.85	5.81	5.57	0.00	30.45	5.81	5.57	0.00
27.90	5.81	5.57	0.00	30.50	5.81	5.57	0.00
27.95	5.81	5.57	0.00	30.55	5.81	5.57	0.00
28.00	5.81	5.57	0.00	30.60	5.81	5.57	0.00
28.05	5.81	5.57	0.00	30.65	5.81	5.57	0.00
28.10	5.81	5.57	0.00	30.70	5.81	5.57	0.00
28.15	5.81	5.57	0.00	30.75	5.81	5.57	0.00
28.20	5.81	5.57	0.00	30.80	5.81	5.57	0.00
28.25	5.81	5.57	0.00	30.85	5.81	5.57	0.00
28.30	5.81	5.57	0.00	30.90	5.81	5.57	0.00
28.35	5.81	5.57	0.00	30.95	5.81	5.57	0.00
28.40	5.81	5.57	0.00	31.00	5.81	5.57	0.00
28.45	5.81	5.57	0.00	31.05	5.81	5.57	0.00
28.50	5.81	5.57	0.00	31.10	5.81	5.57	0.00
28.55	5.81	5.57	0.00	31.15	5.81	5.57	0.00

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	5.57	0.00	33.80	5.81	5.57	0.00
31.25	5.81	5.57	0.00	33.85	5.81	5.57	0.00
31.30	5.81	5.57	0.00	33.90	5.81	5.57	0.00
31.35	5.81	5.57	0.00	33.95	5.81	5.57	0.00
31.40	5.81	5.57	0.00	34.00	5.81	5.57	0.00
31.45	5.81	5.57	0.00	34.05	5.81	5.57	0.00
31.50	5.81	5.57	0.00	34.10	5.81	5.57	0.00
31.55	5.81	5.57	0.00	34.15	5.81	5.57	0.00
31.60	5.81	5.57	0.00	34.20	5.81	5.57	0.00
31.65	5.81	5.57	0.00	34.25	5.81	5.57	0.00
31.70	5.81	5.57	0.00	34.30	5.81	5.57	0.00
31.75	5.81	5.57	0.00	34.35	5.81	5.57	0.00
31.80	5.81	5.57	0.00	34.40	5.81	5.57	0.00
31.85	5.81	5.57	0.00	34.45	5.81	5.57	0.00
31.90	5.81	5.57	0.00	34.50	5.81	5.57	0.00
31.95	5.81	5.57	0.00	34.55	5.81	5.57	0.00
32.00	5.81	5.57	0.00	34.60	5.81	5.57	0.00
32.05	5.81	5.57	0.00	34.65	5.81	5.57	0.00
32.10	5.81	5.57	0.00	34.70	5.81	5.57	0.00
32.15	5.81	5.57	0.00	34.75	5.81	5.57	0.00
32.20	5.81	5.57	0.00	34.80	5.81	5.57	0.00
32.25	5.81	5.57	0.00	34.85	5.81	5.57	0.00
32.30	5.81	5.57	0.00	34.90	5.81	5.57	0.00
32.35	5.81	5.57	0.00	34.95	5.81	5.57	0.00
32.40	5.81	5.57	0.00	35.00	5.81	5.57	0.00
32.45	5.81	5.57	0.00	35.05	5.81	5.57	0.00
32.50	5.81	5.57	0.00	35.10	5.81	5.57	0.00
32.55	5.81	5.57	0.00	35.15	5.81	5.57	0.00
32.60	5.81	5.57	0.00	35.20	5.81	5.57	0.00
32.65	5.81	5.57	0.00	35.25	5.81	5.57	0.00
32.70	5.81	5.57	0.00	35.30	5.81	5.57	0.00
32.75	5.81	5.57	0.00	35.35	5.81	5.57	0.00
32.80	5.81	5.57	0.00	35.40	5.81	5.57	0.00
32.85	5.81	5.57	0.00	35.45	5.81	5.57	0.00
32.90	5.81	5.57	0.00	35.50	5.81	5.57	0.00
32.95	5.81	5.57	0.00	35.55	5.81	5.57	0.00
33.00	5.81	5.57	0.00	35.60	5.81	5.57	0.00
33.05	5.81	5.57	0.00	35.65	5.81	5.57	0.00
33.10	5.81	5.57	0.00	35.70	5.81	5.57	0.00
33.15	5.81	5.57	0.00	35.75	5.81	5.57	0.00
33.20	5.81	5.57	0.00	35.80	5.81	5.57	0.00
33.25	5.81	5.57	0.00	35.85	5.81	5.57	0.00
33.30	5.81	5.57	0.00	35.90	5.81	5.57	0.00
33.35	5.81	5.57	0.00	35.95	5.81	5.57	0.00
33.40	5.81	5.57	0.00	36.00	5.81	5.57	0.00
33.45	5.81	5.57	0.00	36.05	5.81	5.57	0.00
33.50	5.81	5.57	0.00	36.10	5.81	5.57	0.00
33.55	5.81	5.57	0.00	36.15	5.81	5.57	0.00
33.60	5.81	5.57	0.00	36.20	5.81	5.57	0.00
33.65	5.81	5.57	0.00	36.25	5.81	5.57	0.00
33.70	5.81	5.57	0.00	36.30	5.81	5.57	0.00
33.75	5.81	5.57	0.00	36.35	5.81	5.57	0.00

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	5.57	0.00
36.45	5.81	5.57	0.00
36.50	5.81	5.57	0.00
36.55	5.81	5.57	0.00
36.60	5.81	5.57	0.00
36.65	5.81	5.57	0.00
36.70	5.81	5.57	0.00
36.75	5.81	5.57	0.00
36.80	5.81	5.57	0.00
36.85	5.81	5.57	0.00
36.90	5.81	5.57	0.00
36.95	5.81	5.57	0.00
37.00	5.81	5.57	0.00
37.05	5.81	5.57	0.00
37.10	5.81	5.57	0.00
37.15	5.81	5.57	0.00
37.20	5.81	5.57	0.00
37.25	5.81	5.57	0.00
37.30	5.81	5.57	0.00
37.35	5.81	5.57	0.00
37.40	5.81	5.57	0.00
37.45	5.81	5.57	0.00
37.50	5.81	5.57	0.00
37.55	5.81	5.57	0.00
37.60	5.81	5.57	0.00
37.65	5.81	5.57	0.00
37.70	5.81	5.57	0.00
37.75	5.81	5.57	0.00
37.80	5.81	5.57	0.00
37.85	5.81	5.57	0.00
37.90	5.81	5.57	0.00
37.95	5.81	5.57	0.00
38.00	5.81	5.57	0.00
38.05	5.81	5.57	0.00
38.10	5.81	5.57	0.00
38.15	5.81	5.57	0.00
38.20	5.81	5.57	0.00
38.25	5.81	5.57	0.00
38.30	5.81	5.57	0.00
38.35	5.81	5.57	0.00
38.40	5.81	5.57	0.00
38.45	5.81	5.57	0.00
38.50	5.81	5.57	0.00
38.55	5.81	5.57	0.00
38.60	5.81	5.57	0.00
38.65	5.81	5.57	0.00
38.70	5.81	5.57	0.00
38.75	5.81	5.57	0.00
38.80	5.81	5.57	0.00
38.85	5.81	5.57	0.00
38.90	5.81	5.57	0.00
38.95	5.81	5.57	0.00
39.00	5.81	5.57	0.00
39.05	5.81	5.57	0.00
39.10	5.81	5.57	0.00
39.15	5.81	5.57	0.00
39.20	5.81	5.57	0.00
39.25	5.81	5.57	0.00
39.30	5.81	5.57	0.00
39.35	5.81	5.57	0.00
39.40	5.81	5.57	0.00
39.45	5.81	5.57	0.00
39.50	5.81	5.57	0.00
39.55	5.81	5.57	0.00
39.60	5.81	5.57	0.00
39.65	5.81	5.57	0.00
39.70	5.81	5.57	0.00
39.75	5.81	5.57	0.00
39.80	5.81	5.57	0.00
39.85	5.81	5.57	0.00
39.90	5.81	5.57	0.00
39.95	5.81	5.57	0.00
40.00	5.81	5.57	0.00

Summary for Subcatchment 52P: PDA-52 (pervious)

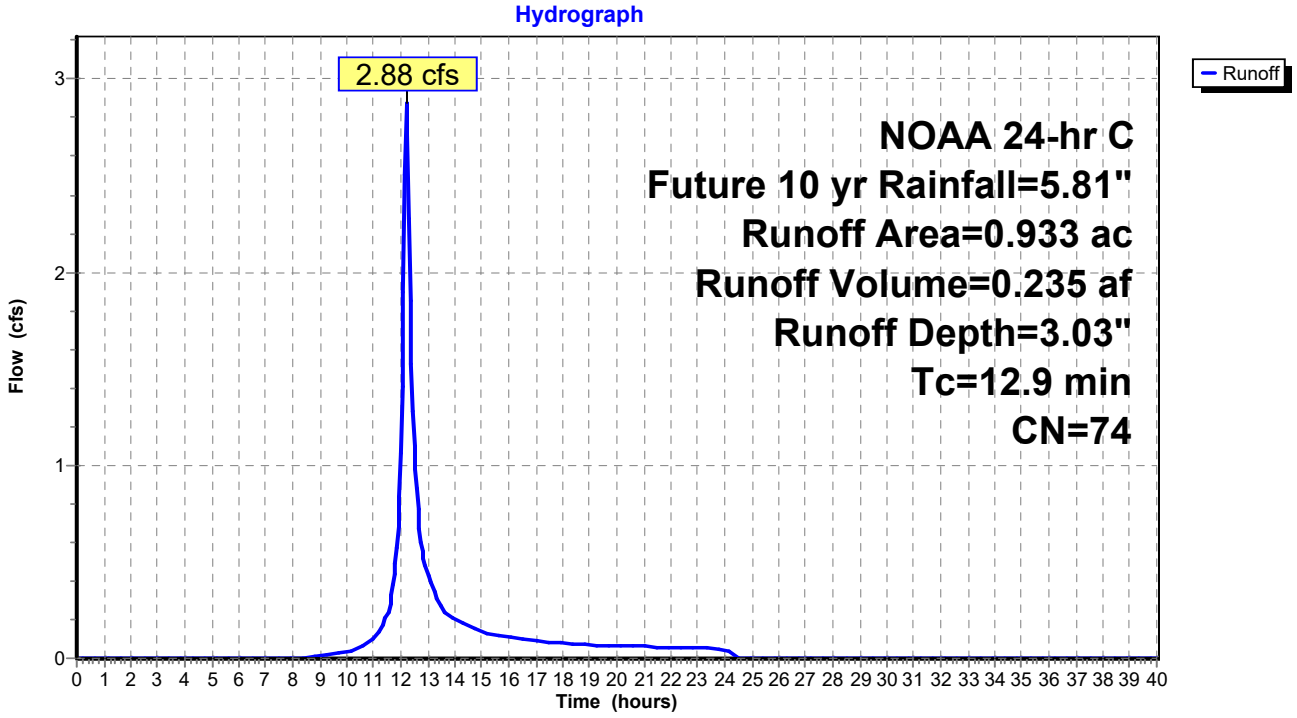
Runoff = 2.88 cfs @ 12.21 hrs, Volume= 0.235 af, Depth= 3.03"
Routed to Pond B-52 : Basin #52

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
0.933	74	>75% Grass cover, Good, HSG C
0.933		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.9					**Direct Entry,**

Subcatchment 52P: PDA-52 (pervious)



Hydrograph for Subcatchment 52P: PDA-52 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.00
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.00
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.00
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.00
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.00
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.00
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.01
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.01
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.01
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.01
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.01
6.35	0.50	0.00	0.00	8.95	0.84	0.01	0.01
6.40	0.50	0.00	0.00	9.00	0.85	0.01	0.01
6.45	0.51	0.00	0.00	9.05	0.86	0.01	0.01
6.50	0.51	0.00	0.00	9.10	0.87	0.01	0.01
6.55	0.52	0.00	0.00	9.15	0.87	0.01	0.01
6.60	0.52	0.00	0.00	9.20	0.88	0.01	0.01
6.65	0.53	0.00	0.00	9.25	0.89	0.01	0.01
6.70	0.53	0.00	0.00	9.30	0.90	0.01	0.01
6.75	0.54	0.00	0.00	9.35	0.91	0.01	0.02
6.80	0.54	0.00	0.00	9.40	0.92	0.01	0.02
6.85	0.55	0.00	0.00	9.45	0.93	0.01	0.02
6.90	0.56	0.00	0.00	9.50	0.94	0.02	0.02
6.95	0.56	0.00	0.00	9.55	0.95	0.02	0.02
7.00	0.57	0.00	0.00	9.60	0.96	0.02	0.02
7.05	0.57	0.00	0.00	9.65	0.98	0.02	0.02
7.10	0.58	0.00	0.00	9.70	0.99	0.02	0.02
7.15	0.58	0.00	0.00	9.75	1.00	0.02	0.03
7.20	0.59	0.00	0.00	9.80	1.01	0.02	0.03
7.25	0.60	0.00	0.00	9.85	1.02	0.03	0.03
7.30	0.60	0.00	0.00	9.90	1.03	0.03	0.03
7.35	0.61	0.00	0.00	9.95	1.05	0.03	0.03
7.40	0.62	0.00	0.00	10.00	1.06	0.03	0.03
7.45	0.62	0.00	0.00	10.05	1.07	0.04	0.04
7.50	0.63	0.00	0.00	10.10	1.09	0.04	0.04
7.55	0.64	0.00	0.00	10.15	1.10	0.04	0.04
7.60	0.64	0.00	0.00	10.20	1.11	0.04	0.04
7.65	0.65	0.00	0.00	10.25	1.13	0.05	0.04
7.70	0.65	0.00	0.00	10.30	1.14	0.05	0.05
7.75	0.66	0.00	0.00	10.35	1.15	0.05	0.05

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.05	0.05	13.00	4.42	1.91	0.44
10.45	1.18	0.06	0.05	13.05	4.44	1.93	0.42
10.50	1.20	0.06	0.06	13.10	4.46	1.94	0.40
10.55	1.21	0.06	0.06	13.15	4.48	1.96	0.37
10.60	1.23	0.07	0.06	13.20	4.50	1.98	0.36
10.65	1.25	0.07	0.06	13.25	4.52	1.99	0.34
10.70	1.27	0.08	0.07	13.30	4.54	2.01	0.32
10.75	1.29	0.08	0.07	13.35	4.56	2.02	0.31
10.80	1.31	0.09	0.08	13.40	4.58	2.03	0.30
10.85	1.33	0.09	0.09	13.45	4.60	2.05	0.29
10.90	1.35	0.10	0.09	13.50	4.61	2.06	0.27
10.95	1.37	0.11	0.10	13.55	4.63	2.07	0.26
11.00	1.39	0.11	0.11	13.60	4.64	2.08	0.25
11.05	1.42	0.12	0.11	13.65	4.66	2.09	0.24
11.10	1.45	0.13	0.12	13.70	4.67	2.10	0.23
11.15	1.48	0.14	0.13	13.75	4.68	2.12	0.22
11.20	1.51	0.15	0.14	13.80	4.70	2.13	0.22
11.25	1.54	0.16	0.15	13.85	4.71	2.14	0.21
11.30	1.57	0.17	0.17	13.90	4.72	2.15	0.21
11.35	1.61	0.18	0.18	13.95	4.74	2.16	0.20
11.40	1.64	0.20	0.20	14.00	4.75	2.17	0.20
11.45	1.68	0.21	0.21	14.05	4.76	2.18	0.20
11.50	1.72	0.23	0.23	14.10	4.78	2.19	0.19
11.55	1.78	0.25	0.25	14.15	4.79	2.20	0.19
11.60	1.83	0.28	0.28	14.20	4.80	2.21	0.19
11.65	1.90	0.30	0.33	14.25	4.81	2.21	0.18
11.70	1.96	0.33	0.38	14.30	4.82	2.22	0.18
11.75	2.04	0.37	0.43	14.35	4.83	2.23	0.18
11.80	2.13	0.41	0.49	14.40	4.85	2.24	0.18
11.85	2.25	0.47	0.57	14.45	4.86	2.25	0.17
11.90	2.36	0.53	0.68	14.50	4.87	2.26	0.17
11.95	2.57	0.65	0.83	14.55	4.88	2.27	0.17
12.00	2.77	0.77	1.06	14.60	4.89	2.27	0.16
12.05	3.11	0.98	1.40	14.65	4.90	2.28	0.16
12.10	3.45	1.20	1.90	14.70	4.91	2.29	0.16
12.15	3.56	1.28	2.51	14.75	4.92	2.30	0.15
12.20	3.68	1.37	**2.86**	14.80	4.93	2.31	0.15
12.25	3.77	1.43	2.72	14.85	4.94	2.31	0.15
12.30	3.85	1.49	2.28	14.90	4.94	2.32	0.14
12.35	3.91	1.53	1.85	14.95	4.95	2.33	0.14
12.40	3.98	1.58	1.53	15.00	4.96	2.33	0.14
12.45	4.03	1.62	1.28	15.05	4.97	2.34	0.13
12.50	4.09	1.67	1.10	15.10	4.98	2.35	0.13
12.55	4.13	1.69	0.98	15.15	4.99	2.35	0.13
12.60	4.17	1.72	0.88	15.20	4.99	2.36	0.13
12.65	4.20	1.75	0.77	15.25	5.00	2.37	0.12
12.70	4.24	1.77	0.68	15.30	5.01	2.37	0.12
12.75	4.27	1.80	0.60	15.35	5.02	2.38	0.12
12.80	4.30	1.82	0.55	15.40	5.03	2.38	0.12
12.85	4.33	1.85	0.52	15.45	5.03	2.39	0.12
12.90	4.36	1.87	0.49	15.50	5.04	2.40	0.12
12.95	4.39	1.89	0.46	15.55	5.05	2.40	0.12

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	2.41	0.12	18.20	5.37	2.66	0.07
15.65	5.06	2.41	0.12	18.25	5.37	2.67	0.07
15.70	5.07	2.42	0.11	18.30	5.38	2.67	0.07
15.75	5.08	2.43	0.11	18.35	5.38	2.67	0.07
15.80	5.09	2.43	0.11	18.40	5.39	2.68	0.07
15.85	5.09	2.44	0.11	18.45	5.39	2.68	0.07
15.90	5.10	2.44	0.11	18.50	5.40	2.68	0.07
15.95	5.11	2.45	0.11	18.55	5.40	2.69	0.07
16.00	5.11	2.46	0.11	18.60	5.40	2.69	0.07
16.05	5.12	2.46	0.11	18.65	5.41	2.69	0.07
16.10	5.13	2.47	0.11	18.70	5.41	2.70	0.07
16.15	5.13	2.47	0.11	18.75	5.42	2.70	0.07
16.20	5.14	2.48	0.11	18.80	5.42	2.71	0.07
16.25	5.15	2.48	0.11	18.85	5.43	2.71	0.07
16.30	5.16	2.49	0.10	18.90	5.43	2.71	0.07
16.35	5.16	2.49	0.10	18.95	5.44	2.72	0.07
16.40	5.17	2.50	0.10	19.00	5.44	2.72	0.07
16.45	5.17	2.50	0.10	19.05	5.44	2.72	0.07
16.50	5.18	2.51	0.10	19.10	5.45	2.73	0.07
16.55	5.19	2.52	0.10	19.15	5.45	2.73	0.07
16.60	5.19	2.52	0.10	19.20	5.46	2.73	0.07
16.65	5.20	2.53	0.10	19.25	5.46	2.74	0.07
16.70	5.21	2.53	0.10	19.30	5.47	2.74	0.07
16.75	5.21	2.54	0.10	19.35	5.47	2.75	0.07
16.80	5.22	2.54	0.10	19.40	5.48	2.75	0.07
16.85	5.23	2.55	0.10	19.45	5.48	2.75	0.07
16.90	5.23	2.55	0.09	19.50	5.48	2.76	0.07
16.95	5.24	2.55	0.09	19.55	5.49	2.76	0.07
17.00	5.24	2.56	0.09	19.60	5.49	2.76	0.07
17.05	5.25	2.56	0.09	19.65	5.50	2.77	0.07
17.10	5.25	2.57	0.09	19.70	5.50	2.77	0.07
17.15	5.26	2.57	0.09	19.75	5.50	2.77	0.07
17.20	5.27	2.58	0.09	19.80	5.51	2.78	0.07
17.25	5.27	2.58	0.09	19.85	5.51	2.78	0.07
17.30	5.28	2.59	0.09	19.90	5.52	2.78	0.07
17.35	5.28	2.59	0.09	19.95	5.52	2.79	0.06
17.40	5.29	2.60	0.09	20.00	5.53	2.79	0.06
17.45	5.29	2.60	0.09	20.05	5.53	2.79	0.06
17.50	5.30	2.61	0.08	20.10	5.53	2.80	0.06
17.55	5.30	2.61	0.08	20.15	5.54	2.80	0.06
17.60	5.31	2.61	0.08	20.20	5.54	2.80	0.06
17.65	5.31	2.62	0.08	20.25	5.55	2.81	0.06
17.70	5.32	2.62	0.08	20.30	5.55	2.81	0.06
17.75	5.33	2.63	0.08	20.35	5.55	2.81	0.06
17.80	5.33	2.63	0.08	20.40	5.56	2.82	0.06
17.85	5.34	2.63	0.08	20.45	5.56	2.82	0.06
17.90	5.34	2.64	0.08	20.50	5.57	2.82	0.06
17.95	5.34	2.64	0.08	20.55	5.57	2.83	0.06
18.00	5.35	2.65	0.08	20.60	5.57	2.83	0.06
18.05	5.35	2.65	0.08	20.65	5.58	2.83	0.06
18.10	5.36	2.65	0.07	20.70	5.58	2.84	0.06
18.15	5.36	2.66	0.07	20.75	5.59	2.84	0.06

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.84	0.06	23.40	5.77	2.99	0.05
20.85	5.59	2.85	0.06	23.45	5.78	3.00	0.05
20.90	5.60	2.85	0.06	23.50	5.78	3.00	0.05
20.95	5.60	2.85	0.06	23.55	5.78	3.00	0.05
21.00	5.61	2.86	0.06	23.60	5.78	3.00	0.05
21.05	5.61	2.86	0.06	23.65	5.79	3.01	0.05
21.10	5.61	2.86	0.06	23.70	5.79	3.01	0.05
21.15	5.62	2.87	0.06	23.75	5.79	3.01	0.05
21.20	5.62	2.87	0.06	23.80	5.80	3.01	0.05
21.25	5.62	2.87	0.06	23.85	5.80	3.02	0.05
21.30	5.63	2.87	0.06	23.90	5.80	3.02	0.05
21.35	5.63	2.88	0.06	23.95	5.81	3.02	0.05
21.40	5.64	2.88	0.06	24.00	**5.81**	**3.03**	0.05
21.45	5.64	2.88	0.06	24.05	5.81	3.03	0.05
21.50	5.64	2.89	0.06	24.10	5.81	3.03	0.05
21.55	5.65	2.89	0.06	24.15	5.81	3.03	0.04
21.60	5.65	2.89	0.06	24.20	5.81	3.03	0.02
21.65	5.65	2.90	0.06	24.25	5.81	3.03	0.01
21.70	5.66	2.90	0.06	24.30	5.81	3.03	0.01
21.75	5.66	2.90	0.06	24.35	5.81	3.03	0.00
21.80	5.66	2.90	0.06	24.40	5.81	3.03	0.00
21.85	5.67	2.91	0.06	24.45	5.81	3.03	0.00
21.90	5.67	2.91	0.06	24.50	5.81	3.03	0.00
21.95	5.68	2.91	0.06	24.55	5.81	3.03	0.00
22.00	5.68	2.92	0.06	24.60	5.81	3.03	0.00
22.05	5.68	2.92	0.06	24.65	5.81	3.03	0.00
22.10	5.69	2.92	0.06	24.70	5.81	3.03	0.00
22.15	5.69	2.93	0.06	24.75	5.81	3.03	0.00
22.20	5.69	2.93	0.06	24.80	5.81	3.03	0.00
22.25	5.70	2.93	0.05	24.85	5.81	3.03	0.00
22.30	5.70	2.93	0.05	24.90	5.81	3.03	0.00
22.35	5.70	2.94	0.05	24.95	5.81	3.03	0.00
22.40	5.71	2.94	0.05	25.00	5.81	3.03	0.00
22.45	5.71	2.94	0.05	25.05	5.81	3.03	0.00
22.50	5.71	2.95	0.05	25.10	5.81	3.03	0.00
22.55	5.72	2.95	0.05	25.15	5.81	3.03	0.00
22.60	5.72	2.95	0.05	25.20	5.81	3.03	0.00
22.65	5.72	2.95	0.05	25.25	5.81	3.03	0.00
22.70	5.73	2.96	0.05	25.30	5.81	3.03	0.00
22.75	5.73	2.96	0.05	25.35	5.81	3.03	0.00
22.80	5.73	2.96	0.05	25.40	5.81	3.03	0.00
22.85	5.74	2.96	0.05	25.45	5.81	3.03	0.00
22.90	5.74	2.97	0.05	25.50	5.81	3.03	0.00
22.95	5.74	2.97	0.05	25.55	5.81	3.03	0.00
23.00	5.75	2.97	0.05	25.60	5.81	3.03	0.00
23.05	5.75	2.98	0.05	25.65	5.81	3.03	0.00
23.10	5.75	2.98	0.05	25.70	5.81	3.03	0.00
23.15	5.76	2.98	0.05	25.75	5.81	3.03	0.00
23.20	5.76	2.98	0.05	25.80	5.81	3.03	0.00
23.25	5.76	2.99	0.05	25.85	5.81	3.03	0.00
23.30	5.77	2.99	0.05	25.90	5.81	3.03	0.00
23.35	5.77	2.99	0.05	25.95	5.81	3.03	0.00

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	3.03	0.00	28.60	5.81	3.03	0.00
26.05	5.81	3.03	0.00	28.65	5.81	3.03	0.00
26.10	5.81	3.03	0.00	28.70	5.81	3.03	0.00
26.15	5.81	3.03	0.00	28.75	5.81	3.03	0.00
26.20	5.81	3.03	0.00	28.80	5.81	3.03	0.00
26.25	5.81	3.03	0.00	28.85	5.81	3.03	0.00
26.30	5.81	3.03	0.00	28.90	5.81	3.03	0.00
26.35	5.81	3.03	0.00	28.95	5.81	3.03	0.00
26.40	5.81	3.03	0.00	29.00	5.81	3.03	0.00
26.45	5.81	3.03	0.00	29.05	5.81	3.03	0.00
26.50	5.81	3.03	0.00	29.10	5.81	3.03	0.00
26.55	5.81	3.03	0.00	29.15	5.81	3.03	0.00
26.60	5.81	3.03	0.00	29.20	5.81	3.03	0.00
26.65	5.81	3.03	0.00	29.25	5.81	3.03	0.00
26.70	5.81	3.03	0.00	29.30	5.81	3.03	0.00
26.75	5.81	3.03	0.00	29.35	5.81	3.03	0.00
26.80	5.81	3.03	0.00	29.40	5.81	3.03	0.00
26.85	5.81	3.03	0.00	29.45	5.81	3.03	0.00
26.90	5.81	3.03	0.00	29.50	5.81	3.03	0.00
26.95	5.81	3.03	0.00	29.55	5.81	3.03	0.00
27.00	5.81	3.03	0.00	29.60	5.81	3.03	0.00
27.05	5.81	3.03	0.00	29.65	5.81	3.03	0.00
27.10	5.81	3.03	0.00	29.70	5.81	3.03	0.00
27.15	5.81	3.03	0.00	29.75	5.81	3.03	0.00
27.20	5.81	3.03	0.00	29.80	5.81	3.03	0.00
27.25	5.81	3.03	0.00	29.85	5.81	3.03	0.00
27.30	5.81	3.03	0.00	29.90	5.81	3.03	0.00
27.35	5.81	3.03	0.00	29.95	5.81	3.03	0.00
27.40	5.81	3.03	0.00	30.00	5.81	3.03	0.00
27.45	5.81	3.03	0.00	30.05	5.81	3.03	0.00
27.50	5.81	3.03	0.00	30.10	5.81	3.03	0.00
27.55	5.81	3.03	0.00	30.15	5.81	3.03	0.00
27.60	5.81	3.03	0.00	30.20	5.81	3.03	0.00
27.65	5.81	3.03	0.00	30.25	5.81	3.03	0.00
27.70	5.81	3.03	0.00	30.30	5.81	3.03	0.00
27.75	5.81	3.03	0.00	30.35	5.81	3.03	0.00
27.80	5.81	3.03	0.00	30.40	5.81	3.03	0.00
27.85	5.81	3.03	0.00	30.45	5.81	3.03	0.00
27.90	5.81	3.03	0.00	30.50	5.81	3.03	0.00
27.95	5.81	3.03	0.00	30.55	5.81	3.03	0.00
28.00	5.81	3.03	0.00	30.60	5.81	3.03	0.00
28.05	5.81	3.03	0.00	30.65	5.81	3.03	0.00
28.10	5.81	3.03	0.00	30.70	5.81	3.03	0.00
28.15	5.81	3.03	0.00	30.75	5.81	3.03	0.00
28.20	5.81	3.03	0.00	30.80	5.81	3.03	0.00
28.25	5.81	3.03	0.00	30.85	5.81	3.03	0.00
28.30	5.81	3.03	0.00	30.90	5.81	3.03	0.00
28.35	5.81	3.03	0.00	30.95	5.81	3.03	0.00
28.40	5.81	3.03	0.00	31.00	5.81	3.03	0.00
28.45	5.81	3.03	0.00	31.05	5.81	3.03	0.00
28.50	5.81	3.03	0.00	31.10	5.81	3.03	0.00
28.55	5.81	3.03	0.00	31.15	5.81	3.03	0.00

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	3.03	0.00	33.80	5.81	3.03	0.00
31.25	5.81	3.03	0.00	33.85	5.81	3.03	0.00
31.30	5.81	3.03	0.00	33.90	5.81	3.03	0.00
31.35	5.81	3.03	0.00	33.95	5.81	3.03	0.00
31.40	5.81	3.03	0.00	34.00	5.81	3.03	0.00
31.45	5.81	3.03	0.00	34.05	5.81	3.03	0.00
31.50	5.81	3.03	0.00	34.10	5.81	3.03	0.00
31.55	5.81	3.03	0.00	34.15	5.81	3.03	0.00
31.60	5.81	3.03	0.00	34.20	5.81	3.03	0.00
31.65	5.81	3.03	0.00	34.25	5.81	3.03	0.00
31.70	5.81	3.03	0.00	34.30	5.81	3.03	0.00
31.75	5.81	3.03	0.00	34.35	5.81	3.03	0.00
31.80	5.81	3.03	0.00	34.40	5.81	3.03	0.00
31.85	5.81	3.03	0.00	34.45	5.81	3.03	0.00
31.90	5.81	3.03	0.00	34.50	5.81	3.03	0.00
31.95	5.81	3.03	0.00	34.55	5.81	3.03	0.00
32.00	5.81	3.03	0.00	34.60	5.81	3.03	0.00
32.05	5.81	3.03	0.00	34.65	5.81	3.03	0.00
32.10	5.81	3.03	0.00	34.70	5.81	3.03	0.00
32.15	5.81	3.03	0.00	34.75	5.81	3.03	0.00
32.20	5.81	3.03	0.00	34.80	5.81	3.03	0.00
32.25	5.81	3.03	0.00	34.85	5.81	3.03	0.00
32.30	5.81	3.03	0.00	34.90	5.81	3.03	0.00
32.35	5.81	3.03	0.00	34.95	5.81	3.03	0.00
32.40	5.81	3.03	0.00	35.00	5.81	3.03	0.00
32.45	5.81	3.03	0.00	35.05	5.81	3.03	0.00
32.50	5.81	3.03	0.00	35.10	5.81	3.03	0.00
32.55	5.81	3.03	0.00	35.15	5.81	3.03	0.00
32.60	5.81	3.03	0.00	35.20	5.81	3.03	0.00
32.65	5.81	3.03	0.00	35.25	5.81	3.03	0.00
32.70	5.81	3.03	0.00	35.30	5.81	3.03	0.00
32.75	5.81	3.03	0.00	35.35	5.81	3.03	0.00
32.80	5.81	3.03	0.00	35.40	5.81	3.03	0.00
32.85	5.81	3.03	0.00	35.45	5.81	3.03	0.00
32.90	5.81	3.03	0.00	35.50	5.81	3.03	0.00
32.95	5.81	3.03	0.00	35.55	5.81	3.03	0.00
33.00	5.81	3.03	0.00	35.60	5.81	3.03	0.00
33.05	5.81	3.03	0.00	35.65	5.81	3.03	0.00
33.10	5.81	3.03	0.00	35.70	5.81	3.03	0.00
33.15	5.81	3.03	0.00	35.75	5.81	3.03	0.00
33.20	5.81	3.03	0.00	35.80	5.81	3.03	0.00
33.25	5.81	3.03	0.00	35.85	5.81	3.03	0.00
33.30	5.81	3.03	0.00	35.90	5.81	3.03	0.00
33.35	5.81	3.03	0.00	35.95	5.81	3.03	0.00
33.40	5.81	3.03	0.00	36.00	5.81	3.03	0.00
33.45	5.81	3.03	0.00	36.05	5.81	3.03	0.00
33.50	5.81	3.03	0.00	36.10	5.81	3.03	0.00
33.55	5.81	3.03	0.00	36.15	5.81	3.03	0.00
33.60	5.81	3.03	0.00	36.20	5.81	3.03	0.00
33.65	5.81	3.03	0.00	36.25	5.81	3.03	0.00
33.70	5.81	3.03	0.00	36.30	5.81	3.03	0.00
33.75	5.81	3.03	0.00	36.35	5.81	3.03	0.00

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	3.03	0.00
36.45	5.81	3.03	0.00
36.50	5.81	3.03	0.00
36.55	5.81	3.03	0.00
36.60	5.81	3.03	0.00
36.65	5.81	3.03	0.00
36.70	5.81	3.03	0.00
36.75	5.81	3.03	0.00
36.80	5.81	3.03	0.00
36.85	5.81	3.03	0.00
36.90	5.81	3.03	0.00
36.95	5.81	3.03	0.00
37.00	5.81	3.03	0.00
37.05	5.81	3.03	0.00
37.10	5.81	3.03	0.00
37.15	5.81	3.03	0.00
37.20	5.81	3.03	0.00
37.25	5.81	3.03	0.00
37.30	5.81	3.03	0.00
37.35	5.81	3.03	0.00
37.40	5.81	3.03	0.00
37.45	5.81	3.03	0.00
37.50	5.81	3.03	0.00
37.55	5.81	3.03	0.00
37.60	5.81	3.03	0.00
37.65	5.81	3.03	0.00
37.70	5.81	3.03	0.00
37.75	5.81	3.03	0.00
37.80	5.81	3.03	0.00
37.85	5.81	3.03	0.00
37.90	5.81	3.03	0.00
37.95	5.81	3.03	0.00
38.00	5.81	3.03	0.00
38.05	5.81	3.03	0.00
38.10	5.81	3.03	0.00
38.15	5.81	3.03	0.00
38.20	5.81	3.03	0.00
38.25	5.81	3.03	0.00
38.30	5.81	3.03	0.00
38.35	5.81	3.03	0.00
38.40	5.81	3.03	0.00
38.45	5.81	3.03	0.00
38.50	5.81	3.03	0.00
38.55	5.81	3.03	0.00
38.60	5.81	3.03	0.00
38.65	5.81	3.03	0.00
38.70	5.81	3.03	0.00
38.75	5.81	3.03	0.00
38.80	5.81	3.03	0.00
38.85	5.81	3.03	0.00
38.90	5.81	3.03	0.00
38.95	5.81	3.03	0.00
39.00	5.81	3.03	0.00
39.05	5.81	3.03	0.00
39.10	5.81	3.03	0.00
39.15	5.81	3.03	0.00
39.20	5.81	3.03	0.00
39.25	5.81	3.03	0.00
39.30	5.81	3.03	0.00
39.35	5.81	3.03	0.00
39.40	5.81	3.03	0.00
39.45	5.81	3.03	0.00
39.50	5.81	3.03	0.00
39.55	5.81	3.03	0.00
39.60	5.81	3.03	0.00
39.65	5.81	3.03	0.00
39.70	5.81	3.03	0.00
39.75	5.81	3.03	0.00
39.80	5.81	3.03	0.00
39.85	5.81	3.03	0.00
39.90	5.81	3.03	0.00
39.95	5.81	3.03	0.00
40.00	5.81	3.03	0.00

Summary for Subcatchment 53I: PDA-53 (impervious)

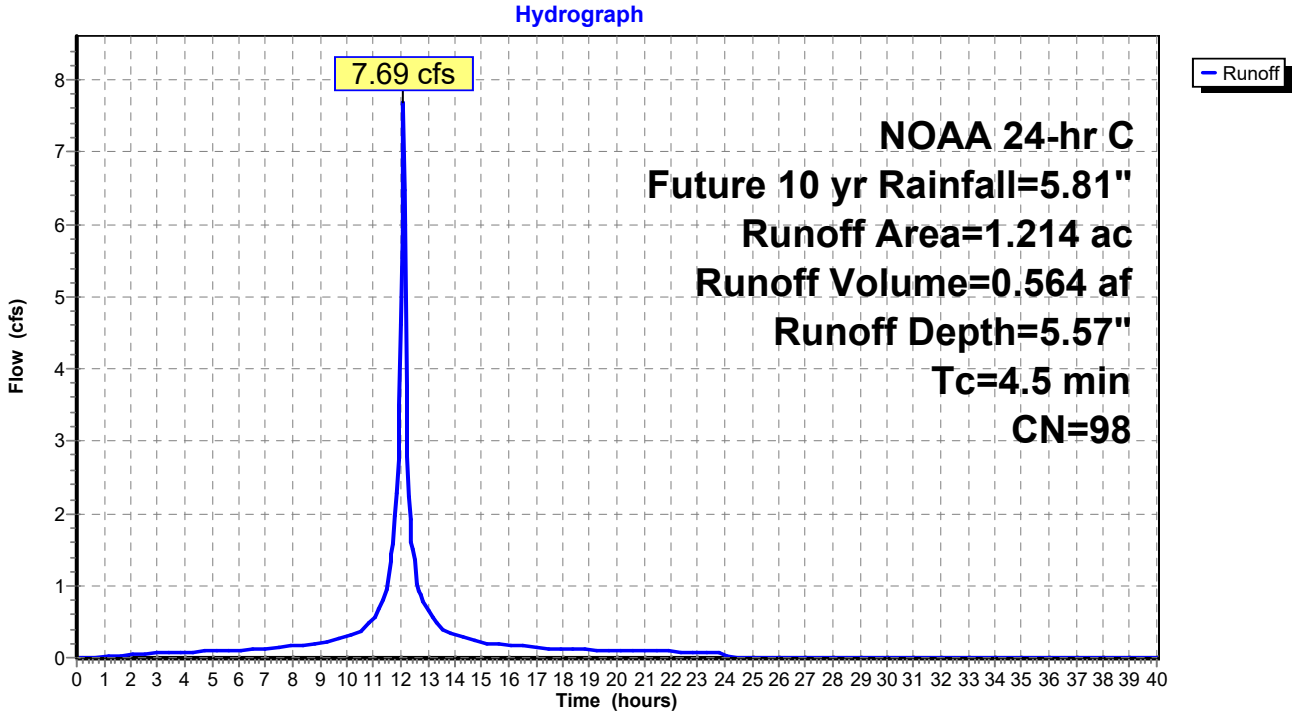
Runoff = 7.69 cfs @ 12.10 hrs, Volume= 0.564 af, Depth= 5.57"
Routed to Pond B-53 : Basin #53

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

	Area (ac)	CN	Description
*	0.628	98	Pavement, HSG C
*	0.450	98	Roof, HSG C
*	0.136	98	Concrete, HSG C
	1.214	98	Weighted Average
	1.214		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
4.5					**Direct Entry,**

Subcatchment 53I: PDA-53 (impervious)



Hydrograph for Subcatchment 53I: PDA-53 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.05	0.06
0.05	0.00	0.00	0.00	2.65	0.18	0.06	0.06
0.10	0.01	0.00	0.00	2.70	0.18	0.06	0.06
0.15	0.01	0.00	0.00	2.75	0.19	0.06	0.06
0.20	0.01	0.00	0.00	2.80	0.19	0.06	0.06
0.25	0.02	0.00	0.00	2.85	0.19	0.07	0.06
0.30	0.02	0.00	0.00	2.90	0.20	0.07	0.06
0.35	0.02	0.00	0.00	2.95	0.20	0.07	0.06
0.40	0.03	0.00	0.00	3.00	0.20	0.07	0.06
0.45	0.03	0.00	0.00	3.05	0.21	0.08	0.06
0.50	0.03	0.00	0.00	3.10	0.21	0.08	0.07
0.55	0.03	0.00	0.00	3.15	0.22	0.08	0.07
0.60	0.04	0.00	0.00	3.20	0.22	0.08	0.07
0.65	0.04	0.00	0.00	3.25	0.22	0.09	0.07
0.70	0.04	0.00	0.00	3.30	0.23	0.09	0.07
0.75	0.05	0.00	0.00	3.35	0.23	0.09	0.07
0.80	0.05	0.00	0.00	3.40	0.24	0.10	0.07
0.85	0.05	0.00	0.01	3.45	0.24	0.10	0.07
0.90	0.06	0.00	0.01	3.50	0.24	0.10	0.07
0.95	0.06	0.00	0.01	3.55	0.25	0.10	0.07
1.00	0.06	0.00	0.01	3.60	0.25	0.11	0.07
1.05	0.07	0.00	0.01	3.65	0.26	0.11	0.07
1.10	0.07	0.00	0.02	3.70	0.26	0.11	0.07
1.15	0.07	0.00	0.02	3.75	0.26	0.12	0.08
1.20	0.08	0.01	0.02	3.80	0.27	0.12	0.08
1.25	0.08	0.01	0.02	3.85	0.27	0.12	0.08
1.30	0.08	0.01	0.02	3.90	0.28	0.13	0.08
1.35	0.09	0.01	0.02	3.95	0.28	0.13	0.08
1.40	0.09	0.01	0.03	4.00	0.28	0.13	0.08
1.45	0.09	0.01	0.03	4.05	0.29	0.14	0.08
1.50	0.10	0.01	0.03	4.10	0.29	0.14	0.08
1.55	0.10	0.01	0.03	4.15	0.30	0.14	0.08
1.60	0.10	0.01	0.03	4.20	0.30	0.15	0.08
1.65	0.11	0.02	0.03	4.25	0.31	0.15	0.08
1.70	0.11	0.02	0.04	4.30	0.31	0.15	0.08
1.75	0.11	0.02	0.04	4.35	0.31	0.16	0.08
1.80	0.12	0.02	0.04	4.40	0.32	0.16	0.08
1.85	0.12	0.02	0.04	4.45	0.32	0.16	0.08
1.90	0.12	0.02	0.04	4.50	0.33	0.17	0.09
1.95	0.13	0.03	0.04	4.55	0.33	0.17	0.09
2.00	0.13	0.03	0.04	4.60	0.33	0.17	0.09
2.05	0.13	0.03	0.04	4.65	0.34	0.18	0.09
2.10	0.14	0.03	0.05	4.70	0.34	0.18	0.09
2.15	0.14	0.03	0.05	4.75	0.35	0.18	0.09
2.20	0.15	0.04	0.05	4.80	0.35	0.19	0.09
2.25	0.15	0.04	0.05	4.85	0.36	0.19	0.09
2.30	0.15	0.04	0.05	4.90	0.36	0.20	0.09
2.35	0.16	0.04	0.05	4.95	0.37	0.20	0.09
2.40	0.16	0.04	0.05	5.00	0.37	0.20	0.09
2.45	0.16	0.05	0.05	5.05	0.37	0.21	0.09
2.50	0.17	0.05	0.05	5.10	0.38	0.21	0.09
2.55	0.17	0.05	0.06	5.15	0.38	0.21	0.09

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.22	0.09	7.80	0.67	0.47	0.15
5.25	0.39	0.22	0.09	7.85	0.68	0.48	0.16
5.30	0.40	0.23	0.09	7.90	0.68	0.49	0.16
5.35	0.40	0.23	0.10	7.95	0.69	0.49	0.16
5.40	0.41	0.23	0.10	8.00	0.70	0.50	0.16
5.45	0.41	0.24	0.10	8.05	0.70	0.51	0.16
5.50	0.41	0.24	0.10	8.10	0.71	0.51	0.16
5.55	0.42	0.25	0.10	8.15	0.72	0.52	0.16
5.60	0.42	0.25	0.10	8.20	0.72	0.53	0.17
5.65	0.43	0.25	0.10	8.25	0.73	0.53	0.17
5.70	0.43	0.26	0.10	8.30	0.74	0.54	0.17
5.75	0.44	0.26	0.10	8.35	0.75	0.55	0.17
5.80	0.44	0.27	0.10	8.40	0.75	0.55	0.17
5.85	0.45	0.27	0.10	8.45	0.76	0.56	0.17
5.90	0.45	0.27	0.10	8.50	0.77	0.57	0.18
5.95	0.46	0.28	0.10	8.55	0.78	0.58	0.18
6.00	0.46	0.28	0.10	8.60	0.78	0.58	0.18
6.05	0.47	0.29	0.10	8.65	0.79	0.59	0.18
6.10	0.47	0.29	0.10	8.70	0.80	0.60	0.18
6.15	0.47	0.30	0.11	8.75	0.81	0.61	0.18
6.20	0.48	0.30	0.11	8.80	0.82	0.61	0.18
6.25	0.48	0.30	0.11	8.85	0.82	0.62	0.19
6.30	0.49	0.31	0.11	8.90	0.83	0.63	0.19
6.35	0.50	0.31	0.11	8.95	0.84	0.64	0.19
6.40	0.50	0.32	0.11	9.00	0.85	0.64	0.19
6.45	0.51	0.32	0.11	9.05	0.86	0.65	0.19
6.50	0.51	0.33	0.12	9.10	0.87	0.66	0.20
6.55	0.52	0.33	0.12	9.15	0.87	0.67	0.20
6.60	0.52	0.34	0.12	9.20	0.88	0.68	0.21
6.65	0.53	0.34	0.12	9.25	0.89	0.69	0.22
6.70	0.53	0.35	0.12	9.30	0.90	0.70	0.22
6.75	0.54	0.35	0.12	9.35	0.91	0.71	0.23
6.80	0.54	0.36	0.12	9.40	0.92	0.72	0.23
6.85	0.55	0.36	0.13	9.45	0.93	0.73	0.24
6.90	0.56	0.37	0.13	9.50	0.94	0.74	0.24
6.95	0.56	0.37	0.13	9.55	0.95	0.75	0.25
7.00	0.57	0.38	0.13	9.60	0.96	0.76	0.25
7.05	0.57	0.38	0.13	9.65	0.98	0.77	0.26
7.10	0.58	0.39	0.13	9.70	0.99	0.78	0.26
7.15	0.58	0.40	0.14	9.75	1.00	0.79	0.27
7.20	0.59	0.40	0.14	9.80	1.01	0.80	0.27
7.25	0.60	0.41	0.14	9.85	1.02	0.81	0.28
7.30	0.60	0.41	0.14	9.90	1.03	0.82	0.29
7.35	0.61	0.42	0.14	9.95	1.05	0.84	0.29
7.40	0.62	0.42	0.14	10.00	1.06	0.85	0.30
7.45	0.62	0.43	0.14	10.05	1.07	0.86	0.30
7.50	0.63	0.44	0.15	10.10	1.09	0.87	0.31
7.55	0.64	0.44	0.15	10.15	1.10	0.89	0.31
7.60	0.64	0.45	0.15	10.20	1.11	0.90	0.32
7.65	0.65	0.45	0.15	10.25	1.13	0.91	0.32
7.70	0.65	0.46	0.15	10.30	1.14	0.93	0.33
7.75	0.66	0.47	0.15	10.35	1.15	0.94	0.33

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.95	0.34	13.00	4.42	4.18	0.65
10.45	1.18	0.97	0.34	13.05	4.44	4.20	0.62
10.50	1.20	0.98	0.35	13.10	4.46	4.23	0.58
10.55	1.21	1.00	0.36	13.15	4.48	4.25	0.55
10.60	1.23	1.02	0.38	13.20	4.50	4.27	0.53
10.65	1.25	1.03	0.40	13.25	4.52	4.29	0.51
10.70	1.27	1.05	0.42	13.30	4.54	4.31	0.49
10.75	1.29	1.07	0.44	13.35	4.56	4.33	0.47
10.80	1.31	1.09	0.47	13.40	4.58	4.34	0.45
10.85	1.33	1.11	0.48	13.45	4.60	4.36	0.43
10.90	1.35	1.13	0.51	13.50	4.61	4.38	0.41
10.95	1.37	1.15	0.52	13.55	4.63	4.39	0.39
11.00	1.39	1.18	0.55	13.60	4.64	4.41	0.37
11.05	1.42	1.20	0.58	13.65	4.66	4.42	0.36
11.10	1.45	1.23	0.62	13.70	4.67	4.43	0.35
11.15	1.48	1.26	0.65	13.75	4.68	4.45	0.34
11.20	1.51	1.29	0.69	13.80	4.70	4.46	0.34
11.25	1.54	1.32	0.73	13.85	4.71	4.48	0.33
11.30	1.57	1.35	0.77	13.90	4.72	4.49	0.33
11.35	1.61	1.38	0.80	13.95	4.74	4.50	0.32
11.40	1.64	1.42	0.85	14.00	4.75	4.51	0.32
11.45	1.68	1.46	0.87	14.05	4.76	4.53	0.31
11.50	1.72	1.49	0.91	14.10	4.78	4.54	0.31
11.55	1.78	1.55	1.07	14.15	4.79	4.55	0.30
11.60	1.83	1.61	1.34	14.20	4.80	4.56	0.30
11.65	1.90	1.67	1.43	14.25	4.81	4.57	0.29
11.70	1.96	1.73	1.48	14.30	4.82	4.59	0.29
11.75	2.04	1.82	1.67	14.35	4.83	4.60	0.28
11.80	2.13	1.90	1.97	14.40	4.85	4.61	0.28
11.85	2.25	2.02	2.29	14.45	4.86	4.62	0.27
11.90	2.36	2.13	2.73	14.50	4.87	4.63	0.27
11.95	2.57	2.34	3.49	14.55	4.88	4.64	0.26
12.00	2.77	2.54	4.60	14.60	4.89	4.65	0.25
12.05	3.11	2.88	5.92	14.65	4.90	4.66	0.25
12.10	3.45	3.21	**7.67**	14.70	4.91	4.67	0.24
12.15	3.56	3.33	6.47	14.75	4.92	4.68	0.24
12.20	3.68	3.45	3.77	14.80	4.93	4.69	0.23
12.25	3.77	3.53	2.79	14.85	4.94	4.70	0.23
12.30	3.85	3.62	2.23	14.90	4.94	4.71	0.22
12.35	3.91	3.68	1.92	14.95	4.95	4.72	0.22
12.40	3.98	3.74	1.61	15.00	4.96	4.72	0.21
12.45	4.03	3.80	1.50	15.05	4.97	4.73	0.21
12.50	4.09	3.86	1.45	15.10	4.98	4.74	0.20
12.55	4.13	3.90	1.28	15.15	4.99	4.75	0.20
12.60	4.17	3.93	1.01	15.20	4.99	4.76	0.20
12.65	4.20	3.97	0.92	15.25	5.00	4.76	0.20
12.70	4.24	4.00	0.88	15.30	5.01	4.77	0.19
12.75	4.27	4.04	0.85	15.35	5.02	4.78	0.19
12.80	4.30	4.07	0.80	15.40	5.03	4.79	0.19
12.85	4.33	4.10	0.77	15.45	5.03	4.80	0.19
12.90	4.36	4.13	0.73	15.50	5.04	4.80	0.19
12.95	4.39	4.15	0.69	15.55	5.05	4.81	0.19

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	4.82	0.19	18.20	5.37	5.13	0.11
15.65	5.06	4.83	0.18	18.25	5.37	5.14	0.11
15.70	5.07	4.83	0.18	18.30	5.38	5.14	0.11
15.75	5.08	4.84	0.18	18.35	5.38	5.14	0.11
15.80	5.09	4.85	0.18	18.40	5.39	5.15	0.11
15.85	5.09	4.86	0.18	18.45	5.39	5.15	0.11
15.90	5.10	4.86	0.18	18.50	5.40	5.16	0.11
15.95	5.11	4.87	0.18	18.55	5.40	5.16	0.11
16.00	5.11	4.88	0.17	18.60	5.40	5.17	0.11
16.05	5.12	4.88	0.17	18.65	5.41	5.17	0.11
16.10	5.13	4.89	0.17	18.70	5.41	5.18	0.11
16.15	5.13	4.90	0.17	18.75	5.42	5.18	0.11
16.20	5.14	4.90	0.17	18.80	5.42	5.19	0.11
16.25	5.15	4.91	0.17	18.85	5.43	5.19	0.11
16.30	5.16	4.92	0.17	18.90	5.43	5.19	0.11
16.35	5.16	4.92	0.16	18.95	5.44	5.20	0.11
16.40	5.17	4.93	0.16	19.00	5.44	5.20	0.11
16.45	5.17	4.94	0.16	19.05	5.44	5.21	0.11
16.50	5.18	4.94	0.16	19.10	5.45	5.21	0.11
16.55	5.19	4.95	0.16	19.15	5.45	5.22	0.11
16.60	5.19	4.96	0.16	19.20	5.46	5.22	0.11
16.65	5.20	4.96	0.16	19.25	5.46	5.22	0.11
16.70	5.21	4.97	0.15	19.30	5.47	5.23	0.11
16.75	5.21	4.98	0.15	19.35	5.47	5.23	0.11
16.80	5.22	4.98	0.15	19.40	5.48	5.24	0.11
16.85	5.23	4.99	0.15	19.45	5.48	5.24	0.10
16.90	5.23	4.99	0.15	19.50	5.48	5.25	0.10
16.95	5.24	5.00	0.15	19.55	5.49	5.25	0.10
17.00	5.24	5.01	0.15	19.60	5.49	5.25	0.10
17.05	5.25	5.01	0.14	19.65	5.50	5.26	0.10
17.10	5.25	5.02	0.14	19.70	5.50	5.26	0.10
17.15	5.26	5.02	0.14	19.75	5.50	5.27	0.10
17.20	5.27	5.03	0.14	19.80	5.51	5.27	0.10
17.25	5.27	5.03	0.14	19.85	5.51	5.28	0.10
17.30	5.28	5.04	0.14	19.90	5.52	5.28	0.10
17.35	5.28	5.05	0.14	19.95	5.52	5.28	0.10
17.40	5.29	5.05	0.13	20.00	5.53	5.29	0.10
17.45	5.29	5.06	0.13	20.05	5.53	5.29	0.10
17.50	5.30	5.06	0.13	20.10	5.53	5.30	0.10
17.55	5.30	5.07	0.13	20.15	5.54	5.30	0.10
17.60	5.31	5.07	0.13	20.20	5.54	5.30	0.10
17.65	5.31	5.08	0.13	20.25	5.55	5.31	0.10
17.70	5.32	5.08	0.13	20.30	5.55	5.31	0.10
17.75	5.33	5.09	0.12	20.35	5.55	5.32	0.10
17.80	5.33	5.09	0.12	20.40	5.56	5.32	0.10
17.85	5.34	5.10	0.12	20.45	5.56	5.32	0.10
17.90	5.34	5.10	0.12	20.50	5.57	5.33	0.10
17.95	5.34	5.11	0.12	20.55	5.57	5.33	0.10
18.00	5.35	5.11	0.12	20.60	5.57	5.34	0.10
18.05	5.35	5.12	0.12	20.65	5.58	5.34	0.10
18.10	5.36	5.12	0.11	20.70	5.58	5.34	0.10
18.15	5.36	5.13	0.11	20.75	5.59	5.35	0.10

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	5.35	0.10	23.40	5.77	5.53	0.08
20.85	5.59	5.36	0.09	23.45	5.78	5.54	0.08
20.90	5.60	5.36	0.09	23.50	5.78	5.54	0.08
20.95	5.60	5.36	0.09	23.55	5.78	5.54	0.08
21.00	5.61	5.37	0.09	23.60	5.78	5.55	0.08
21.05	5.61	5.37	0.09	23.65	5.79	5.55	0.08
21.10	5.61	5.37	0.09	23.70	5.79	5.55	0.08
21.15	5.62	5.38	0.09	23.75	5.79	5.56	0.07
21.20	5.62	5.38	0.09	23.80	5.80	5.56	0.07
21.25	5.62	5.39	0.09	23.85	5.80	5.56	0.07
21.30	5.63	5.39	0.09	23.90	5.80	5.56	0.07
21.35	5.63	5.39	0.09	23.95	5.81	5.57	0.08
21.40	5.64	5.40	0.09	24.00	**5.81**	**5.57**	0.09
21.45	5.64	5.40	0.09	24.05	5.81	5.57	0.06
21.50	5.64	5.40	0.09	24.10	5.81	5.57	0.02
21.55	5.65	5.41	0.09	24.15	5.81	5.57	0.00
21.60	5.65	5.41	0.09	24.20	5.81	5.57	0.00
21.65	5.65	5.42	0.09	24.25	5.81	5.57	0.00
21.70	5.66	5.42	0.09	24.30	5.81	5.57	0.00
21.75	5.66	5.42	0.09	24.35	5.81	5.57	0.00
21.80	5.66	5.43	0.09	24.40	5.81	5.57	0.00
21.85	5.67	5.43	0.09	24.45	5.81	5.57	0.00
21.90	5.67	5.43	0.09	24.50	5.81	5.57	0.00
21.95	5.68	5.44	0.09	24.55	5.81	5.57	0.00
22.00	5.68	5.44	0.09	24.60	5.81	5.57	0.00
22.05	5.68	5.44	0.09	24.65	5.81	5.57	0.00
22.10	5.69	5.45	0.09	24.70	5.81	5.57	0.00
22.15	5.69	5.45	0.09	24.75	5.81	5.57	0.00
22.20	5.69	5.45	0.09	24.80	5.81	5.57	0.00
22.25	5.70	5.46	0.09	24.85	5.81	5.57	0.00
22.30	5.70	5.46	0.08	24.90	5.81	5.57	0.00
22.35	5.70	5.47	0.08	24.95	5.81	5.57	0.00
22.40	5.71	5.47	0.08	25.00	5.81	5.57	0.00
22.45	5.71	5.47	0.08	25.05	5.81	5.57	0.00
22.50	5.71	5.48	0.08	25.10	5.81	5.57	0.00
22.55	5.72	5.48	0.08	25.15	5.81	5.57	0.00
22.60	5.72	5.48	0.08	25.20	5.81	5.57	0.00
22.65	5.72	5.49	0.08	25.25	5.81	5.57	0.00
22.70	5.73	5.49	0.08	25.30	5.81	5.57	0.00
22.75	5.73	5.49	0.08	25.35	5.81	5.57	0.00
22.80	5.73	5.50	0.08	25.40	5.81	5.57	0.00
22.85	5.74	5.50	0.08	25.45	5.81	5.57	0.00
22.90	5.74	5.50	0.08	25.50	5.81	5.57	0.00
22.95	5.74	5.51	0.08	25.55	5.81	5.57	0.00
23.00	5.75	5.51	0.08	25.60	5.81	5.57	0.00
23.05	5.75	5.51	0.08	25.65	5.81	5.57	0.00
23.10	5.75	5.52	0.08	25.70	5.81	5.57	0.00
23.15	5.76	5.52	0.08	25.75	5.81	5.57	0.00
23.20	5.76	5.52	0.08	25.80	5.81	5.57	0.00
23.25	5.76	5.52	0.08	25.85	5.81	5.57	0.00
23.30	5.77	5.53	0.08	25.90	5.81	5.57	0.00
23.35	5.77	5.53	0.08	25.95	5.81	5.57	0.00

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	5.57	0.00	28.60	5.81	5.57	0.00
26.05	5.81	5.57	0.00	28.65	5.81	5.57	0.00
26.10	5.81	5.57	0.00	28.70	5.81	5.57	0.00
26.15	5.81	5.57	0.00	28.75	5.81	5.57	0.00
26.20	5.81	5.57	0.00	28.80	5.81	5.57	0.00
26.25	5.81	5.57	0.00	28.85	5.81	5.57	0.00
26.30	5.81	5.57	0.00	28.90	5.81	5.57	0.00
26.35	5.81	5.57	0.00	28.95	5.81	5.57	0.00
26.40	5.81	5.57	0.00	29.00	5.81	5.57	0.00
26.45	5.81	5.57	0.00	29.05	5.81	5.57	0.00
26.50	5.81	5.57	0.00	29.10	5.81	5.57	0.00
26.55	5.81	5.57	0.00	29.15	5.81	5.57	0.00
26.60	5.81	5.57	0.00	29.20	5.81	5.57	0.00
26.65	5.81	5.57	0.00	29.25	5.81	5.57	0.00
26.70	5.81	5.57	0.00	29.30	5.81	5.57	0.00
26.75	5.81	5.57	0.00	29.35	5.81	5.57	0.00
26.80	5.81	5.57	0.00	29.40	5.81	5.57	0.00
26.85	5.81	5.57	0.00	29.45	5.81	5.57	0.00
26.90	5.81	5.57	0.00	29.50	5.81	5.57	0.00
26.95	5.81	5.57	0.00	29.55	5.81	5.57	0.00
27.00	5.81	5.57	0.00	29.60	5.81	5.57	0.00
27.05	5.81	5.57	0.00	29.65	5.81	5.57	0.00
27.10	5.81	5.57	0.00	29.70	5.81	5.57	0.00
27.15	5.81	5.57	0.00	29.75	5.81	5.57	0.00
27.20	5.81	5.57	0.00	29.80	5.81	5.57	0.00
27.25	5.81	5.57	0.00	29.85	5.81	5.57	0.00
27.30	5.81	5.57	0.00	29.90	5.81	5.57	0.00
27.35	5.81	5.57	0.00	29.95	5.81	5.57	0.00
27.40	5.81	5.57	0.00	30.00	5.81	5.57	0.00
27.45	5.81	5.57	0.00	30.05	5.81	5.57	0.00
27.50	5.81	5.57	0.00	30.10	5.81	5.57	0.00
27.55	5.81	5.57	0.00	30.15	5.81	5.57	0.00
27.60	5.81	5.57	0.00	30.20	5.81	5.57	0.00
27.65	5.81	5.57	0.00	30.25	5.81	5.57	0.00
27.70	5.81	5.57	0.00	30.30	5.81	5.57	0.00
27.75	5.81	5.57	0.00	30.35	5.81	5.57	0.00
27.80	5.81	5.57	0.00	30.40	5.81	5.57	0.00
27.85	5.81	5.57	0.00	30.45	5.81	5.57	0.00
27.90	5.81	5.57	0.00	30.50	5.81	5.57	0.00
27.95	5.81	5.57	0.00	30.55	5.81	5.57	0.00
28.00	5.81	5.57	0.00	30.60	5.81	5.57	0.00
28.05	5.81	5.57	0.00	30.65	5.81	5.57	0.00
28.10	5.81	5.57	0.00	30.70	5.81	5.57	0.00
28.15	5.81	5.57	0.00	30.75	5.81	5.57	0.00
28.20	5.81	5.57	0.00	30.80	5.81	5.57	0.00
28.25	5.81	5.57	0.00	30.85	5.81	5.57	0.00
28.30	5.81	5.57	0.00	30.90	5.81	5.57	0.00
28.35	5.81	5.57	0.00	30.95	5.81	5.57	0.00
28.40	5.81	5.57	0.00	31.00	5.81	5.57	0.00
28.45	5.81	5.57	0.00	31.05	5.81	5.57	0.00
28.50	5.81	5.57	0.00	31.10	5.81	5.57	0.00
28.55	5.81	5.57	0.00	31.15	5.81	5.57	0.00

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	5.57	0.00	33.80	5.81	5.57	0.00
31.25	5.81	5.57	0.00	33.85	5.81	5.57	0.00
31.30	5.81	5.57	0.00	33.90	5.81	5.57	0.00
31.35	5.81	5.57	0.00	33.95	5.81	5.57	0.00
31.40	5.81	5.57	0.00	34.00	5.81	5.57	0.00
31.45	5.81	5.57	0.00	34.05	5.81	5.57	0.00
31.50	5.81	5.57	0.00	34.10	5.81	5.57	0.00
31.55	5.81	5.57	0.00	34.15	5.81	5.57	0.00
31.60	5.81	5.57	0.00	34.20	5.81	5.57	0.00
31.65	5.81	5.57	0.00	34.25	5.81	5.57	0.00
31.70	5.81	5.57	0.00	34.30	5.81	5.57	0.00
31.75	5.81	5.57	0.00	34.35	5.81	5.57	0.00
31.80	5.81	5.57	0.00	34.40	5.81	5.57	0.00
31.85	5.81	5.57	0.00	34.45	5.81	5.57	0.00
31.90	5.81	5.57	0.00	34.50	5.81	5.57	0.00
31.95	5.81	5.57	0.00	34.55	5.81	5.57	0.00
32.00	5.81	5.57	0.00	34.60	5.81	5.57	0.00
32.05	5.81	5.57	0.00	34.65	5.81	5.57	0.00
32.10	5.81	5.57	0.00	34.70	5.81	5.57	0.00
32.15	5.81	5.57	0.00	34.75	5.81	5.57	0.00
32.20	5.81	5.57	0.00	34.80	5.81	5.57	0.00
32.25	5.81	5.57	0.00	34.85	5.81	5.57	0.00
32.30	5.81	5.57	0.00	34.90	5.81	5.57	0.00
32.35	5.81	5.57	0.00	34.95	5.81	5.57	0.00
32.40	5.81	5.57	0.00	35.00	5.81	5.57	0.00
32.45	5.81	5.57	0.00	35.05	5.81	5.57	0.00
32.50	5.81	5.57	0.00	35.10	5.81	5.57	0.00
32.55	5.81	5.57	0.00	35.15	5.81	5.57	0.00
32.60	5.81	5.57	0.00	35.20	5.81	5.57	0.00
32.65	5.81	5.57	0.00	35.25	5.81	5.57	0.00
32.70	5.81	5.57	0.00	35.30	5.81	5.57	0.00
32.75	5.81	5.57	0.00	35.35	5.81	5.57	0.00
32.80	5.81	5.57	0.00	35.40	5.81	5.57	0.00
32.85	5.81	5.57	0.00	35.45	5.81	5.57	0.00
32.90	5.81	5.57	0.00	35.50	5.81	5.57	0.00
32.95	5.81	5.57	0.00	35.55	5.81	5.57	0.00
33.00	5.81	5.57	0.00	35.60	5.81	5.57	0.00
33.05	5.81	5.57	0.00	35.65	5.81	5.57	0.00
33.10	5.81	5.57	0.00	35.70	5.81	5.57	0.00
33.15	5.81	5.57	0.00	35.75	5.81	5.57	0.00
33.20	5.81	5.57	0.00	35.80	5.81	5.57	0.00
33.25	5.81	5.57	0.00	35.85	5.81	5.57	0.00
33.30	5.81	5.57	0.00	35.90	5.81	5.57	0.00
33.35	5.81	5.57	0.00	35.95	5.81	5.57	0.00
33.40	5.81	5.57	0.00	36.00	5.81	5.57	0.00
33.45	5.81	5.57	0.00	36.05	5.81	5.57	0.00
33.50	5.81	5.57	0.00	36.10	5.81	5.57	0.00
33.55	5.81	5.57	0.00	36.15	5.81	5.57	0.00
33.60	5.81	5.57	0.00	36.20	5.81	5.57	0.00
33.65	5.81	5.57	0.00	36.25	5.81	5.57	0.00
33.70	5.81	5.57	0.00	36.30	5.81	5.57	0.00
33.75	5.81	5.57	0.00	36.35	5.81	5.57	0.00

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	5.57	0.00
36.45	5.81	5.57	0.00
36.50	5.81	5.57	0.00
36.55	5.81	5.57	0.00
36.60	5.81	5.57	0.00
36.65	5.81	5.57	0.00
36.70	5.81	5.57	0.00
36.75	5.81	5.57	0.00
36.80	5.81	5.57	0.00
36.85	5.81	5.57	0.00
36.90	5.81	5.57	0.00
36.95	5.81	5.57	0.00
37.00	5.81	5.57	0.00
37.05	5.81	5.57	0.00
37.10	5.81	5.57	0.00
37.15	5.81	5.57	0.00
37.20	5.81	5.57	0.00
37.25	5.81	5.57	0.00
37.30	5.81	5.57	0.00
37.35	5.81	5.57	0.00
37.40	5.81	5.57	0.00
37.45	5.81	5.57	0.00
37.50	5.81	5.57	0.00
37.55	5.81	5.57	0.00
37.60	5.81	5.57	0.00
37.65	5.81	5.57	0.00
37.70	5.81	5.57	0.00
37.75	5.81	5.57	0.00
37.80	5.81	5.57	0.00
37.85	5.81	5.57	0.00
37.90	5.81	5.57	0.00
37.95	5.81	5.57	0.00
38.00	5.81	5.57	0.00
38.05	5.81	5.57	0.00
38.10	5.81	5.57	0.00
38.15	5.81	5.57	0.00
38.20	5.81	5.57	0.00
38.25	5.81	5.57	0.00
38.30	5.81	5.57	0.00
38.35	5.81	5.57	0.00
38.40	5.81	5.57	0.00
38.45	5.81	5.57	0.00
38.50	5.81	5.57	0.00
38.55	5.81	5.57	0.00
38.60	5.81	5.57	0.00
38.65	5.81	5.57	0.00
38.70	5.81	5.57	0.00
38.75	5.81	5.57	0.00
38.80	5.81	5.57	0.00
38.85	5.81	5.57	0.00
38.90	5.81	5.57	0.00
38.95	5.81	5.57	0.00
39.00	5.81	5.57	0.00
39.05	5.81	5.57	0.00
39.10	5.81	5.57	0.00
39.15	5.81	5.57	0.00
39.20	5.81	5.57	0.00
39.25	5.81	5.57	0.00
39.30	5.81	5.57	0.00
39.35	5.81	5.57	0.00
39.40	5.81	5.57	0.00
39.45	5.81	5.57	0.00
39.50	5.81	5.57	0.00
39.55	5.81	5.57	0.00
39.60	5.81	5.57	0.00
39.65	5.81	5.57	0.00
39.70	5.81	5.57	0.00
39.75	5.81	5.57	0.00
39.80	5.81	5.57	0.00
39.85	5.81	5.57	0.00
39.90	5.81	5.57	0.00
39.95	5.81	5.57	0.00
40.00	5.81	5.57	0.00

Summary for Subcatchment 53P: PDA-53 (pervious)

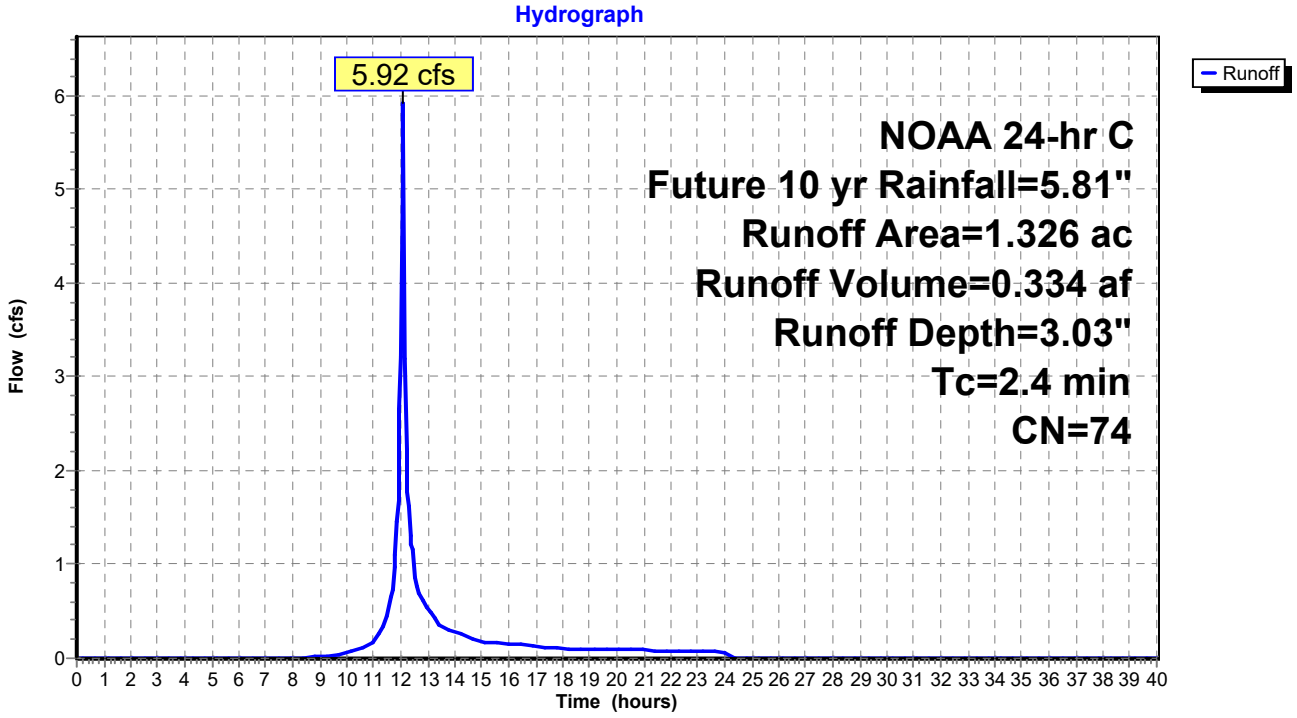
Runoff = 5.92 cfs @ 12.09 hrs, Volume= 0.334 af, Depth= 3.03"
Routed to Pond B-53 : Basin #53

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
1.326	74	>75% Grass cover, Good, HSG C
1.326		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.4					**Direct Entry,**

Subcatchment 53P: PDA-53 (pervious)



Hydrograph for Subcatchment 53P: PDA-53 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.01
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.01
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.01
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.01
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.01
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.01
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.01
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.01
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.01
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.01
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.01
6.35	0.50	0.00	0.00	8.95	0.84	0.01	0.02
6.40	0.50	0.00	0.00	9.00	0.85	0.01	0.02
6.45	0.51	0.00	0.00	9.05	0.86	0.01	0.02
6.50	0.51	0.00	0.00	9.10	0.87	0.01	0.02
6.55	0.52	0.00	0.00	9.15	0.87	0.01	0.02
6.60	0.52	0.00	0.00	9.20	0.88	0.01	0.02
6.65	0.53	0.00	0.00	9.25	0.89	0.01	0.02
6.70	0.53	0.00	0.00	9.30	0.90	0.01	0.03
6.75	0.54	0.00	0.00	9.35	0.91	0.01	0.03
6.80	0.54	0.00	0.00	9.40	0.92	0.01	0.03
6.85	0.55	0.00	0.00	9.45	0.93	0.01	0.03
6.90	0.56	0.00	0.00	9.50	0.94	0.02	0.03
6.95	0.56	0.00	0.00	9.55	0.95	0.02	0.04
7.00	0.57	0.00	0.00	9.60	0.96	0.02	0.04
7.05	0.57	0.00	0.00	9.65	0.98	0.02	0.04
7.10	0.58	0.00	0.00	9.70	0.99	0.02	0.04
7.15	0.58	0.00	0.00	9.75	1.00	0.02	0.04
7.20	0.59	0.00	0.00	9.80	1.01	0.02	0.05
7.25	0.60	0.00	0.00	9.85	1.02	0.03	0.05
7.30	0.60	0.00	0.00	9.90	1.03	0.03	0.05
7.35	0.61	0.00	0.00	9.95	1.05	0.03	0.06
7.40	0.62	0.00	0.00	10.00	1.06	0.03	0.06
7.45	0.62	0.00	0.00	10.05	1.07	0.04	0.06
7.50	0.63	0.00	0.00	10.10	1.09	0.04	0.06
7.55	0.64	0.00	0.00	10.15	1.10	0.04	0.07
7.60	0.64	0.00	0.00	10.20	1.11	0.04	0.07
7.65	0.65	0.00	0.00	10.25	1.13	0.05	0.07
7.70	0.65	0.00	0.00	10.30	1.14	0.05	0.08
7.75	0.66	0.00	0.00	10.35	1.15	0.05	0.08

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.05	0.08	13.00	4.42	1.91	0.53
10.45	1.18	0.06	0.09	13.05	4.44	1.93	0.49
10.50	1.20	0.06	0.09	13.10	4.46	1.94	0.47
10.55	1.21	0.06	0.10	13.15	4.48	1.96	0.45
10.60	1.23	0.07	0.10	13.20	4.50	1.98	0.44
10.65	1.25	0.07	0.12	13.25	4.52	1.99	0.41
10.70	1.27	0.08	0.12	13.30	4.54	2.01	0.41
10.75	1.29	0.08	0.13	13.35	4.56	2.02	0.38
10.80	1.31	0.09	0.14	13.40	4.58	2.03	0.37
10.85	1.33	0.09	0.15	13.45	4.60	2.05	0.35
10.90	1.35	0.10	0.16	13.50	4.61	2.06	0.34
10.95	1.37	0.11	0.17	13.55	4.63	2.07	0.31
11.00	1.39	0.11	0.18	13.60	4.64	2.08	0.31
11.05	1.42	0.12	0.21	13.65	4.66	2.09	0.30
11.10	1.45	0.13	0.22	13.70	4.67	2.10	0.30
11.15	1.48	0.14	0.24	13.75	4.68	2.12	0.29
11.20	1.51	0.15	0.26	13.80	4.70	2.13	0.29
11.25	1.54	0.16	0.29	13.85	4.71	2.14	0.28
11.30	1.57	0.17	0.30	13.90	4.72	2.15	0.28
11.35	1.61	0.18	0.33	13.95	4.74	2.16	0.27
11.40	1.64	0.20	0.35	14.00	4.75	2.17	0.27
11.45	1.68	0.21	0.38	14.05	4.76	2.18	0.26
11.50	1.72	0.23	0.40	14.10	4.78	2.19	0.26
11.55	1.78	0.25	0.57	14.15	4.79	2.20	0.26
11.60	1.83	0.28	0.65	14.20	4.80	2.21	0.25
11.65	1.90	0.30	0.70	14.25	4.81	2.21	0.25
11.70	1.96	0.33	0.75	14.30	4.82	2.22	0.24
11.75	2.04	0.37	0.98	14.35	4.83	2.23	0.24
11.80	2.13	0.41	1.10	14.40	4.85	2.24	0.24
11.85	2.25	0.47	1.46	14.45	4.86	2.25	0.23
11.90	2.36	0.53	1.68	14.50	4.87	2.26	0.23
11.95	2.57	0.65	2.66	14.55	4.88	2.27	0.22
12.00	2.77	0.77	3.21	14.60	4.89	2.27	0.22
12.05	3.11	0.98	5.03	14.65	4.90	2.28	0.21
12.10	3.45	1.20	**5.80**	14.70	4.91	2.29	0.21
12.15	3.56	1.28	3.20	14.75	4.92	2.30	0.20
12.20	3.68	1.37	2.23	14.80	4.93	2.31	0.20
12.25	3.77	1.43	1.77	14.85	4.94	2.31	0.19
12.30	3.85	1.49	1.62	14.90	4.94	2.32	0.19
12.35	3.91	1.53	1.31	14.95	4.95	2.33	0.18
12.40	3.98	1.58	1.21	15.00	4.96	2.33	0.18
12.45	4.03	1.62	1.17	15.05	4.97	2.34	0.18
12.50	4.09	1.67	1.15	15.10	4.98	2.35	0.17
12.55	4.13	1.69	0.86	15.15	4.99	2.35	0.17
12.60	4.17	1.72	0.76	15.20	4.99	2.36	0.17
12.65	4.20	1.75	0.72	15.25	5.00	2.37	0.17
12.70	4.24	1.77	0.71	15.30	5.01	2.37	0.17
12.75	4.27	1.80	0.67	15.35	5.02	2.38	0.17
12.80	4.30	1.82	0.65	15.40	5.03	2.38	0.17
12.85	4.33	1.85	0.61	15.45	5.03	2.39	0.16
12.90	4.36	1.87	0.59	15.50	5.04	2.40	0.16
12.95	4.39	1.89	0.55	15.55	5.05	2.40	0.16

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	2.41	0.16	18.20	5.37	2.66	0.10
15.65	5.06	2.41	0.16	18.25	5.37	2.67	0.10
15.70	5.07	2.42	0.16	18.30	5.38	2.67	0.10
15.75	5.08	2.43	0.16	18.35	5.38	2.67	0.10
15.80	5.09	2.43	0.16	18.40	5.39	2.68	0.10
15.85	5.09	2.44	0.16	18.45	5.39	2.68	0.10
15.90	5.10	2.44	0.16	18.50	5.40	2.68	0.10
15.95	5.11	2.45	0.15	18.55	5.40	2.69	0.10
16.00	5.11	2.46	0.15	18.60	5.40	2.69	0.10
16.05	5.12	2.46	0.15	18.65	5.41	2.69	0.10
16.10	5.13	2.47	0.15	18.70	5.41	2.70	0.10
16.15	5.13	2.47	0.15	18.75	5.42	2.70	0.10
16.20	5.14	2.48	0.15	18.80	5.42	2.71	0.10
16.25	5.15	2.48	0.15	18.85	5.43	2.71	0.10
16.30	5.16	2.49	0.15	18.90	5.43	2.71	0.10
16.35	5.16	2.49	0.14	18.95	5.44	2.72	0.10
16.40	5.17	2.50	0.14	19.00	5.44	2.72	0.10
16.45	5.17	2.50	0.14	19.05	5.44	2.72	0.10
16.50	5.18	2.51	0.14	19.10	5.45	2.73	0.10
16.55	5.19	2.52	0.14	19.15	5.45	2.73	0.10
16.60	5.19	2.52	0.14	19.20	5.46	2.73	0.10
16.65	5.20	2.53	0.14	19.25	5.46	2.74	0.10
16.70	5.21	2.53	0.14	19.30	5.47	2.74	0.09
16.75	5.21	2.54	0.13	19.35	5.47	2.75	0.09
16.80	5.22	2.54	0.13	19.40	5.48	2.75	0.09
16.85	5.23	2.55	0.13	19.45	5.48	2.75	0.09
16.90	5.23	2.55	0.13	19.50	5.48	2.76	0.09
16.95	5.24	2.55	0.13	19.55	5.49	2.76	0.09
17.00	5.24	2.56	0.13	19.60	5.49	2.76	0.09
17.05	5.25	2.56	0.13	19.65	5.50	2.77	0.09
17.10	5.25	2.57	0.13	19.70	5.50	2.77	0.09
17.15	5.26	2.57	0.12	19.75	5.50	2.77	0.09
17.20	5.27	2.58	0.12	19.80	5.51	2.78	0.09
17.25	5.27	2.58	0.12	19.85	5.51	2.78	0.09
17.30	5.28	2.59	0.12	19.90	5.52	2.78	0.09
17.35	5.28	2.59	0.12	19.95	5.52	2.79	0.09
17.40	5.29	2.60	0.12	20.00	5.53	2.79	0.09
17.45	5.29	2.60	0.12	20.05	5.53	2.79	0.09
17.50	5.30	2.61	0.12	20.10	5.53	2.80	0.09
17.55	5.30	2.61	0.11	20.15	5.54	2.80	0.09
17.60	5.31	2.61	0.11	20.20	5.54	2.80	0.09
17.65	5.31	2.62	0.11	20.25	5.55	2.81	0.09
17.70	5.32	2.62	0.11	20.30	5.55	2.81	0.09
17.75	5.33	2.63	0.11	20.35	5.55	2.81	0.09
17.80	5.33	2.63	0.11	20.40	5.56	2.82	0.09
17.85	5.34	2.63	0.11	20.45	5.56	2.82	0.09
17.90	5.34	2.64	0.11	20.50	5.57	2.82	0.09
17.95	5.34	2.64	0.11	20.55	5.57	2.83	0.09
18.00	5.35	2.65	0.10	20.60	5.57	2.83	0.09
18.05	5.35	2.65	0.10	20.65	5.58	2.83	0.09
18.10	5.36	2.65	0.10	20.70	5.58	2.84	0.09
18.15	5.36	2.66	0.10	20.75	5.59	2.84	0.09

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.84	0.09	23.40	5.77	2.99	0.07
20.85	5.59	2.85	0.09	23.45	5.78	3.00	0.07
20.90	5.60	2.85	0.09	23.50	5.78	3.00	0.07
20.95	5.60	2.85	0.08	23.55	5.78	3.00	0.07
21.00	5.61	2.86	0.08	23.60	5.78	3.00	0.07
21.05	5.61	2.86	0.08	23.65	5.79	3.01	0.07
21.10	5.61	2.86	0.08	23.70	5.79	3.01	0.07
21.15	5.62	2.87	0.08	23.75	5.79	3.01	0.07
21.20	5.62	2.87	0.08	23.80	5.80	3.01	0.07
21.25	5.62	2.87	0.08	23.85	5.80	3.02	0.07
21.30	5.63	2.87	0.08	23.90	5.80	3.02	0.07
21.35	5.63	2.88	0.08	23.95	5.81	3.02	0.08
21.40	5.64	2.88	0.08	24.00	**5.81**	**3.03**	0.08
21.45	5.64	2.88	0.08	24.05	5.81	3.03	0.02
21.50	5.64	2.89	0.08	24.10	5.81	3.03	0.00
21.55	5.65	2.89	0.08	24.15	5.81	3.03	0.00
21.60	5.65	2.89	0.08	24.20	5.81	3.03	0.00
21.65	5.65	2.90	0.08	24.25	5.81	3.03	0.00
21.70	5.66	2.90	0.08	24.30	5.81	3.03	0.00
21.75	5.66	2.90	0.08	24.35	5.81	3.03	0.00
21.80	5.66	2.90	0.08	24.40	5.81	3.03	0.00
21.85	5.67	2.91	0.08	24.45	5.81	3.03	0.00
21.90	5.67	2.91	0.08	24.50	5.81	3.03	0.00
21.95	5.68	2.91	0.08	24.55	5.81	3.03	0.00
22.00	5.68	2.92	0.08	24.60	5.81	3.03	0.00
22.05	5.68	2.92	0.08	24.65	5.81	3.03	0.00
22.10	5.69	2.92	0.08	24.70	5.81	3.03	0.00
22.15	5.69	2.93	0.08	24.75	5.81	3.03	0.00
22.20	5.69	2.93	0.08	24.80	5.81	3.03	0.00
22.25	5.70	2.93	0.08	24.85	5.81	3.03	0.00
22.30	5.70	2.93	0.08	24.90	5.81	3.03	0.00
22.35	5.70	2.94	0.08	24.95	5.81	3.03	0.00
22.40	5.71	2.94	0.08	25.00	5.81	3.03	0.00
22.45	5.71	2.94	0.08	25.05	5.81	3.03	0.00
22.50	5.71	2.95	0.08	25.10	5.81	3.03	0.00
22.55	5.72	2.95	0.08	25.15	5.81	3.03	0.00
22.60	5.72	2.95	0.08	25.20	5.81	3.03	0.00
22.65	5.72	2.95	0.07	25.25	5.81	3.03	0.00
22.70	5.73	2.96	0.07	25.30	5.81	3.03	0.00
22.75	5.73	2.96	0.07	25.35	5.81	3.03	0.00
22.80	5.73	2.96	0.07	25.40	5.81	3.03	0.00
22.85	5.74	2.96	0.07	25.45	5.81	3.03	0.00
22.90	5.74	2.97	0.07	25.50	5.81	3.03	0.00
22.95	5.74	2.97	0.07	25.55	5.81	3.03	0.00
23.00	5.75	2.97	0.07	25.60	5.81	3.03	0.00
23.05	5.75	2.98	0.07	25.65	5.81	3.03	0.00
23.10	5.75	2.98	0.07	25.70	5.81	3.03	0.00
23.15	5.76	2.98	0.07	25.75	5.81	3.03	0.00
23.20	5.76	2.98	0.07	25.80	5.81	3.03	0.00
23.25	5.76	2.99	0.07	25.85	5.81	3.03	0.00
23.30	5.77	2.99	0.07	25.90	5.81	3.03	0.00
23.35	5.77	2.99	0.07	25.95	5.81	3.03	0.00

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	3.03	0.00	28.60	5.81	3.03	0.00
26.05	5.81	3.03	0.00	28.65	5.81	3.03	0.00
26.10	5.81	3.03	0.00	28.70	5.81	3.03	0.00
26.15	5.81	3.03	0.00	28.75	5.81	3.03	0.00
26.20	5.81	3.03	0.00	28.80	5.81	3.03	0.00
26.25	5.81	3.03	0.00	28.85	5.81	3.03	0.00
26.30	5.81	3.03	0.00	28.90	5.81	3.03	0.00
26.35	5.81	3.03	0.00	28.95	5.81	3.03	0.00
26.40	5.81	3.03	0.00	29.00	5.81	3.03	0.00
26.45	5.81	3.03	0.00	29.05	5.81	3.03	0.00
26.50	5.81	3.03	0.00	29.10	5.81	3.03	0.00
26.55	5.81	3.03	0.00	29.15	5.81	3.03	0.00
26.60	5.81	3.03	0.00	29.20	5.81	3.03	0.00
26.65	5.81	3.03	0.00	29.25	5.81	3.03	0.00
26.70	5.81	3.03	0.00	29.30	5.81	3.03	0.00
26.75	5.81	3.03	0.00	29.35	5.81	3.03	0.00
26.80	5.81	3.03	0.00	29.40	5.81	3.03	0.00
26.85	5.81	3.03	0.00	29.45	5.81	3.03	0.00
26.90	5.81	3.03	0.00	29.50	5.81	3.03	0.00
26.95	5.81	3.03	0.00	29.55	5.81	3.03	0.00
27.00	5.81	3.03	0.00	29.60	5.81	3.03	0.00
27.05	5.81	3.03	0.00	29.65	5.81	3.03	0.00
27.10	5.81	3.03	0.00	29.70	5.81	3.03	0.00
27.15	5.81	3.03	0.00	29.75	5.81	3.03	0.00
27.20	5.81	3.03	0.00	29.80	5.81	3.03	0.00
27.25	5.81	3.03	0.00	29.85	5.81	3.03	0.00
27.30	5.81	3.03	0.00	29.90	5.81	3.03	0.00
27.35	5.81	3.03	0.00	29.95	5.81	3.03	0.00
27.40	5.81	3.03	0.00	30.00	5.81	3.03	0.00
27.45	5.81	3.03	0.00	30.05	5.81	3.03	0.00
27.50	5.81	3.03	0.00	30.10	5.81	3.03	0.00
27.55	5.81	3.03	0.00	30.15	5.81	3.03	0.00
27.60	5.81	3.03	0.00	30.20	5.81	3.03	0.00
27.65	5.81	3.03	0.00	30.25	5.81	3.03	0.00
27.70	5.81	3.03	0.00	30.30	5.81	3.03	0.00
27.75	5.81	3.03	0.00	30.35	5.81	3.03	0.00
27.80	5.81	3.03	0.00	30.40	5.81	3.03	0.00
27.85	5.81	3.03	0.00	30.45	5.81	3.03	0.00
27.90	5.81	3.03	0.00	30.50	5.81	3.03	0.00
27.95	5.81	3.03	0.00	30.55	5.81	3.03	0.00
28.00	5.81	3.03	0.00	30.60	5.81	3.03	0.00
28.05	5.81	3.03	0.00	30.65	5.81	3.03	0.00
28.10	5.81	3.03	0.00	30.70	5.81	3.03	0.00
28.15	5.81	3.03	0.00	30.75	5.81	3.03	0.00
28.20	5.81	3.03	0.00	30.80	5.81	3.03	0.00
28.25	5.81	3.03	0.00	30.85	5.81	3.03	0.00
28.30	5.81	3.03	0.00	30.90	5.81	3.03	0.00
28.35	5.81	3.03	0.00	30.95	5.81	3.03	0.00
28.40	5.81	3.03	0.00	31.00	5.81	3.03	0.00
28.45	5.81	3.03	0.00	31.05	5.81	3.03	0.00
28.50	5.81	3.03	0.00	31.10	5.81	3.03	0.00
28.55	5.81	3.03	0.00	31.15	5.81	3.03	0.00

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	3.03	0.00	33.80	5.81	3.03	0.00
31.25	5.81	3.03	0.00	33.85	5.81	3.03	0.00
31.30	5.81	3.03	0.00	33.90	5.81	3.03	0.00
31.35	5.81	3.03	0.00	33.95	5.81	3.03	0.00
31.40	5.81	3.03	0.00	34.00	5.81	3.03	0.00
31.45	5.81	3.03	0.00	34.05	5.81	3.03	0.00
31.50	5.81	3.03	0.00	34.10	5.81	3.03	0.00
31.55	5.81	3.03	0.00	34.15	5.81	3.03	0.00
31.60	5.81	3.03	0.00	34.20	5.81	3.03	0.00
31.65	5.81	3.03	0.00	34.25	5.81	3.03	0.00
31.70	5.81	3.03	0.00	34.30	5.81	3.03	0.00
31.75	5.81	3.03	0.00	34.35	5.81	3.03	0.00
31.80	5.81	3.03	0.00	34.40	5.81	3.03	0.00
31.85	5.81	3.03	0.00	34.45	5.81	3.03	0.00
31.90	5.81	3.03	0.00	34.50	5.81	3.03	0.00
31.95	5.81	3.03	0.00	34.55	5.81	3.03	0.00
32.00	5.81	3.03	0.00	34.60	5.81	3.03	0.00
32.05	5.81	3.03	0.00	34.65	5.81	3.03	0.00
32.10	5.81	3.03	0.00	34.70	5.81	3.03	0.00
32.15	5.81	3.03	0.00	34.75	5.81	3.03	0.00
32.20	5.81	3.03	0.00	34.80	5.81	3.03	0.00
32.25	5.81	3.03	0.00	34.85	5.81	3.03	0.00
32.30	5.81	3.03	0.00	34.90	5.81	3.03	0.00
32.35	5.81	3.03	0.00	34.95	5.81	3.03	0.00
32.40	5.81	3.03	0.00	35.00	5.81	3.03	0.00
32.45	5.81	3.03	0.00	35.05	5.81	3.03	0.00
32.50	5.81	3.03	0.00	35.10	5.81	3.03	0.00
32.55	5.81	3.03	0.00	35.15	5.81	3.03	0.00
32.60	5.81	3.03	0.00	35.20	5.81	3.03	0.00
32.65	5.81	3.03	0.00	35.25	5.81	3.03	0.00
32.70	5.81	3.03	0.00	35.30	5.81	3.03	0.00
32.75	5.81	3.03	0.00	35.35	5.81	3.03	0.00
32.80	5.81	3.03	0.00	35.40	5.81	3.03	0.00
32.85	5.81	3.03	0.00	35.45	5.81	3.03	0.00
32.90	5.81	3.03	0.00	35.50	5.81	3.03	0.00
32.95	5.81	3.03	0.00	35.55	5.81	3.03	0.00
33.00	5.81	3.03	0.00	35.60	5.81	3.03	0.00
33.05	5.81	3.03	0.00	35.65	5.81	3.03	0.00
33.10	5.81	3.03	0.00	35.70	5.81	3.03	0.00
33.15	5.81	3.03	0.00	35.75	5.81	3.03	0.00
33.20	5.81	3.03	0.00	35.80	5.81	3.03	0.00
33.25	5.81	3.03	0.00	35.85	5.81	3.03	0.00
33.30	5.81	3.03	0.00	35.90	5.81	3.03	0.00
33.35	5.81	3.03	0.00	35.95	5.81	3.03	0.00
33.40	5.81	3.03	0.00	36.00	5.81	3.03	0.00
33.45	5.81	3.03	0.00	36.05	5.81	3.03	0.00
33.50	5.81	3.03	0.00	36.10	5.81	3.03	0.00
33.55	5.81	3.03	0.00	36.15	5.81	3.03	0.00
33.60	5.81	3.03	0.00	36.20	5.81	3.03	0.00
33.65	5.81	3.03	0.00	36.25	5.81	3.03	0.00
33.70	5.81	3.03	0.00	36.30	5.81	3.03	0.00
33.75	5.81	3.03	0.00	36.35	5.81	3.03	0.00

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	3.03	0.00
36.45	5.81	3.03	0.00
36.50	5.81	3.03	0.00
36.55	5.81	3.03	0.00
36.60	5.81	3.03	0.00
36.65	5.81	3.03	0.00
36.70	5.81	3.03	0.00
36.75	5.81	3.03	0.00
36.80	5.81	3.03	0.00
36.85	5.81	3.03	0.00
36.90	5.81	3.03	0.00
36.95	5.81	3.03	0.00
37.00	5.81	3.03	0.00
37.05	5.81	3.03	0.00
37.10	5.81	3.03	0.00
37.15	5.81	3.03	0.00
37.20	5.81	3.03	0.00
37.25	5.81	3.03	0.00
37.30	5.81	3.03	0.00
37.35	5.81	3.03	0.00
37.40	5.81	3.03	0.00
37.45	5.81	3.03	0.00
37.50	5.81	3.03	0.00
37.55	5.81	3.03	0.00
37.60	5.81	3.03	0.00
37.65	5.81	3.03	0.00
37.70	5.81	3.03	0.00
37.75	5.81	3.03	0.00
37.80	5.81	3.03	0.00
37.85	5.81	3.03	0.00
37.90	5.81	3.03	0.00
37.95	5.81	3.03	0.00
38.00	5.81	3.03	0.00
38.05	5.81	3.03	0.00
38.10	5.81	3.03	0.00
38.15	5.81	3.03	0.00
38.20	5.81	3.03	0.00
38.25	5.81	3.03	0.00
38.30	5.81	3.03	0.00
38.35	5.81	3.03	0.00
38.40	5.81	3.03	0.00
38.45	5.81	3.03	0.00
38.50	5.81	3.03	0.00
38.55	5.81	3.03	0.00
38.60	5.81	3.03	0.00
38.65	5.81	3.03	0.00
38.70	5.81	3.03	0.00
38.75	5.81	3.03	0.00
38.80	5.81	3.03	0.00
38.85	5.81	3.03	0.00
38.90	5.81	3.03	0.00
38.95	5.81	3.03	0.00
39.00	5.81	3.03	0.00
39.05	5.81	3.03	0.00
39.10	5.81	3.03	0.00
39.15	5.81	3.03	0.00
39.20	5.81	3.03	0.00
39.25	5.81	3.03	0.00
39.30	5.81	3.03	0.00
39.35	5.81	3.03	0.00
39.40	5.81	3.03	0.00
39.45	5.81	3.03	0.00
39.50	5.81	3.03	0.00
39.55	5.81	3.03	0.00
39.60	5.81	3.03	0.00
39.65	5.81	3.03	0.00
39.70	5.81	3.03	0.00
39.75	5.81	3.03	0.00
39.80	5.81	3.03	0.00
39.85	5.81	3.03	0.00
39.90	5.81	3.03	0.00
39.95	5.81	3.03	0.00
40.00	5.81	3.03	0.00

Summary for Subcatchment 54l: PDA-54 (impervious)

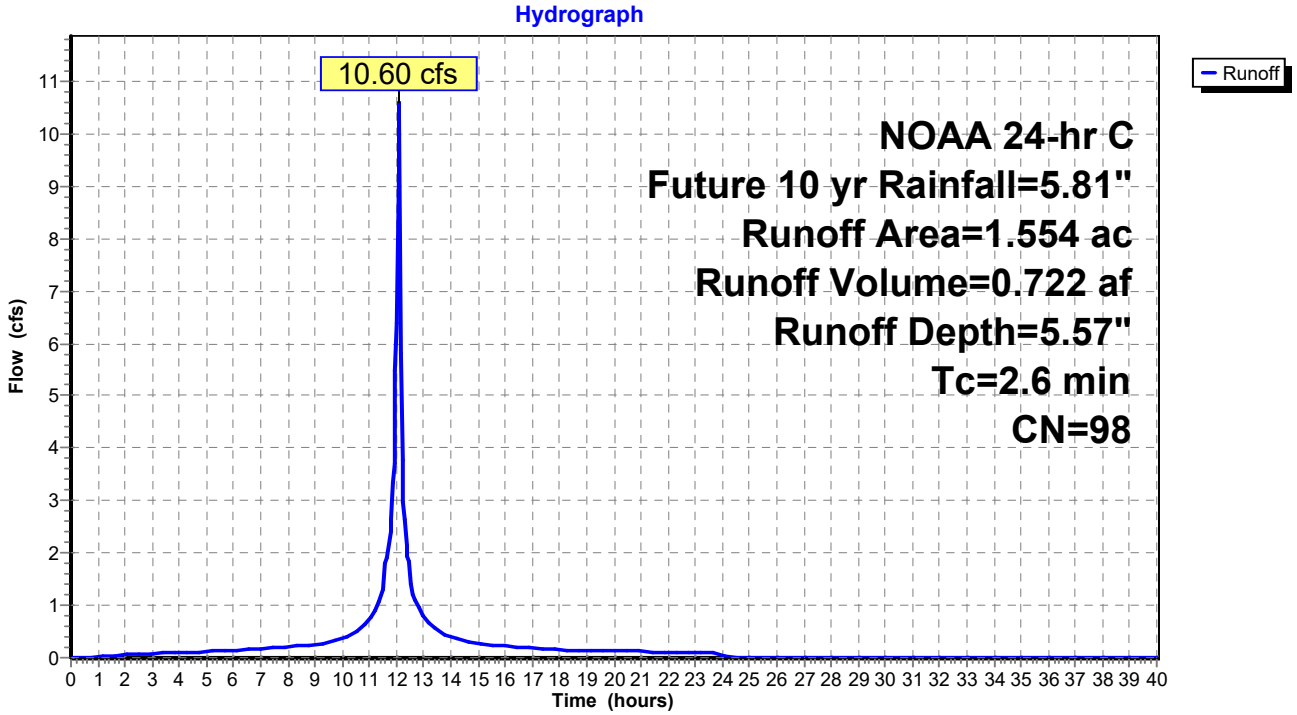
Runoff = 10.60 cfs @ 12.08 hrs, Volume= 0.722 af, Depth= 5.57"
Routed to Pond B-54 : Basin #54

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

	Area (ac)	CN	Description
*	0.983	98	Pavement, HSG C
*	0.361	98	Roof, HSG C
*	0.210	98	Concrete, HSG C
	1.554	98	Weighted Average
	1.554		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.6					**Direct Entry,**

Subcatchment 54l: PDA-54 (impervious)



Hydrograph for Subcatchment 54I: PDA-54 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.05	0.07
0.05	0.00	0.00	0.00	2.65	0.18	0.06	0.07
0.10	0.01	0.00	0.00	2.70	0.18	0.06	0.08
0.15	0.01	0.00	0.00	2.75	0.19	0.06	0.08
0.20	0.01	0.00	0.00	2.80	0.19	0.06	0.08
0.25	0.02	0.00	0.00	2.85	0.19	0.07	0.08
0.30	0.02	0.00	0.00	2.90	0.20	0.07	0.08
0.35	0.02	0.00	0.00	2.95	0.20	0.07	0.08
0.40	0.03	0.00	0.00	3.00	0.20	0.07	0.08
0.45	0.03	0.00	0.00	3.05	0.21	0.08	0.08
0.50	0.03	0.00	0.00	3.10	0.21	0.08	0.08
0.55	0.03	0.00	0.00	3.15	0.22	0.08	0.09
0.60	0.04	0.00	0.00	3.20	0.22	0.08	0.09
0.65	0.04	0.00	0.00	3.25	0.22	0.09	0.09
0.70	0.04	0.00	0.00	3.30	0.23	0.09	0.09
0.75	0.05	0.00	0.00	3.35	0.23	0.09	0.09
0.80	0.05	0.00	0.01	3.40	0.24	0.10	0.09
0.85	0.05	0.00	0.01	3.45	0.24	0.10	0.09
0.90	0.06	0.00	0.01	3.50	0.24	0.10	0.09
0.95	0.06	0.00	0.01	3.55	0.25	0.10	0.09
1.00	0.06	0.00	0.02	3.60	0.25	0.11	0.09
1.05	0.07	0.00	0.02	3.65	0.26	0.11	0.10
1.10	0.07	0.00	0.02	3.70	0.26	0.11	0.10
1.15	0.07	0.00	0.02	3.75	0.26	0.12	0.10
1.20	0.08	0.01	0.03	3.80	0.27	0.12	0.10
1.25	0.08	0.01	0.03	3.85	0.27	0.12	0.10
1.30	0.08	0.01	0.03	3.90	0.28	0.13	0.10
1.35	0.09	0.01	0.03	3.95	0.28	0.13	0.10
1.40	0.09	0.01	0.04	4.00	0.28	0.13	0.10
1.45	0.09	0.01	0.04	4.05	0.29	0.14	0.10
1.50	0.10	0.01	0.04	4.10	0.29	0.14	0.10
1.55	0.10	0.01	0.04	4.15	0.30	0.14	0.10
1.60	0.10	0.01	0.04	4.20	0.30	0.15	0.10
1.65	0.11	0.02	0.04	4.25	0.31	0.15	0.11
1.70	0.11	0.02	0.05	4.30	0.31	0.15	0.11
1.75	0.11	0.02	0.05	4.35	0.31	0.16	0.11
1.80	0.12	0.02	0.05	4.40	0.32	0.16	0.11
1.85	0.12	0.02	0.05	4.45	0.32	0.16	0.11
1.90	0.12	0.02	0.05	4.50	0.33	0.17	0.11
1.95	0.13	0.03	0.05	4.55	0.33	0.17	0.11
2.00	0.13	0.03	0.06	4.60	0.33	0.17	0.11
2.05	0.13	0.03	0.06	4.65	0.34	0.18	0.11
2.10	0.14	0.03	0.06	4.70	0.34	0.18	0.11
2.15	0.14	0.03	0.06	4.75	0.35	0.18	0.11
2.20	0.15	0.04	0.06	4.80	0.35	0.19	0.11
2.25	0.15	0.04	0.06	4.85	0.36	0.19	0.11
2.30	0.15	0.04	0.07	4.90	0.36	0.20	0.12
2.35	0.16	0.04	0.07	4.95	0.37	0.20	0.12
2.40	0.16	0.04	0.07	5.00	0.37	0.20	0.12
2.45	0.16	0.05	0.07	5.05	0.37	0.21	0.12
2.50	0.17	0.05	0.07	5.10	0.38	0.21	0.12
2.55	0.17	0.05	0.07	5.15	0.38	0.21	0.12

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.22	0.12	7.80	0.67	0.47	0.20
5.25	0.39	0.22	0.12	7.85	0.68	0.48	0.20
5.30	0.40	0.23	0.12	7.90	0.68	0.49	0.20
5.35	0.40	0.23	0.12	7.95	0.69	0.49	0.21
5.40	0.41	0.23	0.12	8.00	0.70	0.50	0.21
5.45	0.41	0.24	0.12	8.05	0.70	0.51	0.21
5.50	0.41	0.24	0.12	8.10	0.71	0.51	0.21
5.55	0.42	0.25	0.12	8.15	0.72	0.52	0.21
5.60	0.42	0.25	0.13	8.20	0.72	0.53	0.21
5.65	0.43	0.25	0.13	8.25	0.73	0.53	0.22
5.70	0.43	0.26	0.13	8.30	0.74	0.54	0.22
5.75	0.44	0.26	0.13	8.35	0.75	0.55	0.22
5.80	0.44	0.27	0.13	8.40	0.75	0.55	0.22
5.85	0.45	0.27	0.13	8.45	0.76	0.56	0.22
5.90	0.45	0.27	0.13	8.50	0.77	0.57	0.23
5.95	0.46	0.28	0.13	8.55	0.78	0.58	0.23
6.00	0.46	0.28	0.13	8.60	0.78	0.58	0.23
6.05	0.47	0.29	0.13	8.65	0.79	0.59	0.23
6.10	0.47	0.29	0.13	8.70	0.80	0.60	0.23
6.15	0.47	0.30	0.14	8.75	0.81	0.61	0.24
6.20	0.48	0.30	0.14	8.80	0.82	0.61	0.24
6.25	0.48	0.30	0.14	8.85	0.82	0.62	0.24
6.30	0.49	0.31	0.14	8.90	0.83	0.63	0.24
6.35	0.50	0.31	0.14	8.95	0.84	0.64	0.24
6.40	0.50	0.32	0.15	9.00	0.85	0.64	0.25
6.45	0.51	0.32	0.15	9.05	0.86	0.65	0.25
6.50	0.51	0.33	0.15	9.10	0.87	0.66	0.26
6.55	0.52	0.33	0.15	9.15	0.87	0.67	0.27
6.60	0.52	0.34	0.15	9.20	0.88	0.68	0.27
6.65	0.53	0.34	0.16	9.25	0.89	0.69	0.28
6.70	0.53	0.35	0.16	9.30	0.90	0.70	0.29
6.75	0.54	0.35	0.16	9.35	0.91	0.71	0.29
6.80	0.54	0.36	0.16	9.40	0.92	0.72	0.30
6.85	0.55	0.36	0.16	9.45	0.93	0.73	0.31
6.90	0.56	0.37	0.16	9.50	0.94	0.74	0.31
6.95	0.56	0.37	0.17	9.55	0.95	0.75	0.32
7.00	0.57	0.38	0.17	9.60	0.96	0.76	0.33
7.05	0.57	0.38	0.17	9.65	0.98	0.77	0.34
7.10	0.58	0.39	0.17	9.70	0.99	0.78	0.34
7.15	0.58	0.40	0.17	9.75	1.00	0.79	0.35
7.20	0.59	0.40	0.18	9.80	1.01	0.80	0.35
7.25	0.60	0.41	0.18	9.85	1.02	0.81	0.36
7.30	0.60	0.41	0.18	9.90	1.03	0.82	0.37
7.35	0.61	0.42	0.18	9.95	1.05	0.84	0.38
7.40	0.62	0.42	0.18	10.00	1.06	0.85	0.38
7.45	0.62	0.43	0.19	10.05	1.07	0.86	0.39
7.50	0.63	0.44	0.19	10.10	1.09	0.87	0.39
7.55	0.64	0.44	0.19	10.15	1.10	0.89	0.40
7.60	0.64	0.45	0.19	10.20	1.11	0.90	0.41
7.65	0.65	0.45	0.19	10.25	1.13	0.91	0.42
7.70	0.65	0.46	0.20	10.30	1.14	0.93	0.42
7.75	0.66	0.47	0.20	10.35	1.15	0.94	0.43

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.95	0.44	13.00	4.42	4.18	0.82
10.45	1.18	0.97	0.45	13.05	4.44	4.20	0.75
10.50	1.20	0.98	0.45	13.10	4.46	4.23	0.72
10.55	1.21	1.00	0.49	13.15	4.48	4.25	0.68
10.60	1.23	1.02	0.50	13.20	4.50	4.27	0.67
10.65	1.25	1.03	0.54	13.25	4.52	4.29	0.63
10.70	1.27	1.05	0.55	13.30	4.54	4.31	0.62
10.75	1.29	1.07	0.59	13.35	4.56	4.33	0.58
10.80	1.31	1.09	0.61	13.40	4.58	4.34	0.56
10.85	1.33	1.11	0.64	13.45	4.60	4.36	0.53
10.90	1.35	1.13	0.66	13.50	4.61	4.38	0.51
10.95	1.37	1.15	0.69	13.55	4.63	4.39	0.48
11.00	1.39	1.18	0.71	13.60	4.64	4.41	0.46
11.05	1.42	1.20	0.78	13.65	4.66	4.42	0.45
11.10	1.45	1.23	0.81	13.70	4.67	4.43	0.45
11.15	1.48	1.26	0.87	13.75	4.68	4.45	0.44
11.20	1.51	1.29	0.90	13.80	4.70	4.46	0.43
11.25	1.54	1.32	0.97	13.85	4.71	4.48	0.42
11.30	1.57	1.35	1.00	13.90	4.72	4.49	0.42
11.35	1.61	1.38	1.07	13.95	4.74	4.50	0.41
11.40	1.64	1.42	1.10	14.00	4.75	4.51	0.40
11.45	1.68	1.46	1.15	14.05	4.76	4.53	0.40
11.50	1.72	1.49	1.19	14.10	4.78	4.54	0.39
11.55	1.78	1.55	1.62	14.15	4.79	4.55	0.38
11.60	1.83	1.61	1.81	14.20	4.80	4.56	0.38
11.65	1.90	1.67	1.89	14.25	4.81	4.57	0.37
11.70	1.96	1.73	1.93	14.30	4.82	4.59	0.36
11.75	2.04	1.82	2.41	14.35	4.83	4.60	0.35
11.80	2.13	1.90	2.65	14.40	4.85	4.61	0.35
11.85	2.25	2.02	3.34	14.45	4.86	4.62	0.34
11.90	2.36	2.13	3.71	14.50	4.87	4.63	0.34
11.95	2.57	2.34	5.50	14.55	4.88	4.64	0.33
12.00	2.77	2.54	6.39	14.60	4.89	4.65	0.32
12.05	3.11	2.88	9.26	14.65	4.90	4.66	0.31
12.10	3.45	3.21	**10.33**	14.70	4.91	4.67	0.31
12.15	3.56	3.33	5.82	14.75	4.92	4.68	0.30
12.20	3.68	3.45	3.78	14.80	4.93	4.69	0.30
12.25	3.77	3.53	2.97	14.85	4.94	4.70	0.29
12.30	3.85	3.62	2.65	14.90	4.94	4.71	0.28
12.35	3.91	3.68	2.16	14.95	4.95	4.72	0.27
12.40	3.98	3.74	1.94	15.00	4.96	4.72	0.27
12.45	4.03	3.80	1.87	15.05	4.97	4.73	0.26
12.50	4.09	3.86	1.82	15.10	4.98	4.74	0.26
12.55	4.13	3.90	1.39	15.15	4.99	4.75	0.25
12.60	4.17	3.93	1.20	15.20	4.99	4.76	0.25
12.65	4.20	3.97	1.13	15.25	5.00	4.76	0.25
12.70	4.24	4.00	1.11	15.30	5.01	4.77	0.25
12.75	4.27	4.04	1.04	15.35	5.02	4.78	0.25
12.80	4.30	4.07	1.01	15.40	5.03	4.79	0.24
12.85	4.33	4.10	0.95	15.45	5.03	4.80	0.24
12.90	4.36	4.13	0.92	15.50	5.04	4.80	0.24
12.95	4.39	4.15	0.85	15.55	5.05	4.81	0.24

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	4.82	0.24	18.20	5.37	5.13	0.15
15.65	5.06	4.83	0.23	18.25	5.37	5.14	0.14
15.70	5.07	4.83	0.23	18.30	5.38	5.14	0.14
15.75	5.08	4.84	0.23	18.35	5.38	5.14	0.14
15.80	5.09	4.85	0.23	18.40	5.39	5.15	0.14
15.85	5.09	4.86	0.23	18.45	5.39	5.15	0.14
15.90	5.10	4.86	0.23	18.50	5.40	5.16	0.14
15.95	5.11	4.87	0.22	18.55	5.40	5.16	0.14
16.00	5.11	4.88	0.22	18.60	5.40	5.17	0.14
16.05	5.12	4.88	0.22	18.65	5.41	5.17	0.14
16.10	5.13	4.89	0.22	18.70	5.41	5.18	0.14
16.15	5.13	4.90	0.22	18.75	5.42	5.18	0.14
16.20	5.14	4.90	0.22	18.80	5.42	5.19	0.14
16.25	5.15	4.91	0.21	18.85	5.43	5.19	0.14
16.30	5.16	4.92	0.21	18.90	5.43	5.19	0.14
16.35	5.16	4.92	0.21	18.95	5.44	5.20	0.14
16.40	5.17	4.93	0.21	19.00	5.44	5.20	0.14
16.45	5.17	4.94	0.21	19.05	5.44	5.21	0.14
16.50	5.18	4.94	0.20	19.10	5.45	5.21	0.14
16.55	5.19	4.95	0.20	19.15	5.45	5.22	0.14
16.60	5.19	4.96	0.20	19.20	5.46	5.22	0.14
16.65	5.20	4.96	0.20	19.25	5.46	5.22	0.14
16.70	5.21	4.97	0.20	19.30	5.47	5.23	0.14
16.75	5.21	4.98	0.19	19.35	5.47	5.23	0.13
16.80	5.22	4.98	0.19	19.40	5.48	5.24	0.13
16.85	5.23	4.99	0.19	19.45	5.48	5.24	0.13
16.90	5.23	4.99	0.19	19.50	5.48	5.25	0.13
16.95	5.24	5.00	0.19	19.55	5.49	5.25	0.13
17.00	5.24	5.01	0.19	19.60	5.49	5.25	0.13
17.05	5.25	5.01	0.18	19.65	5.50	5.26	0.13
17.10	5.25	5.02	0.18	19.70	5.50	5.26	0.13
17.15	5.26	5.02	0.18	19.75	5.50	5.27	0.13
17.20	5.27	5.03	0.18	19.80	5.51	5.27	0.13
17.25	5.27	5.03	0.18	19.85	5.51	5.28	0.13
17.30	5.28	5.04	0.17	19.90	5.52	5.28	0.13
17.35	5.28	5.05	0.17	19.95	5.52	5.28	0.13
17.40	5.29	5.05	0.17	20.00	5.53	5.29	0.13
17.45	5.29	5.06	0.17	20.05	5.53	5.29	0.13
17.50	5.30	5.06	0.17	20.10	5.53	5.30	0.13
17.55	5.30	5.07	0.17	20.15	5.54	5.30	0.13
17.60	5.31	5.07	0.16	20.20	5.54	5.30	0.13
17.65	5.31	5.08	0.16	20.25	5.55	5.31	0.13
17.70	5.32	5.08	0.16	20.30	5.55	5.31	0.13
17.75	5.33	5.09	0.16	20.35	5.55	5.32	0.13
17.80	5.33	5.09	0.16	20.40	5.56	5.32	0.13
17.85	5.34	5.10	0.15	20.45	5.56	5.32	0.12
17.90	5.34	5.10	0.15	20.50	5.57	5.33	0.12
17.95	5.34	5.11	0.15	20.55	5.57	5.33	0.12
18.00	5.35	5.11	0.15	20.60	5.57	5.34	0.12
18.05	5.35	5.12	0.15	20.65	5.58	5.34	0.12
18.10	5.36	5.12	0.15	20.70	5.58	5.34	0.12
18.15	5.36	5.13	0.15	20.75	5.59	5.35	0.12

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	5.35	0.12	23.40	5.77	5.53	0.10
20.85	5.59	5.36	0.12	23.45	5.78	5.54	0.10
20.90	5.60	5.36	0.12	23.50	5.78	5.54	0.10
20.95	5.60	5.36	0.12	23.55	5.78	5.54	0.10
21.00	5.61	5.37	0.12	23.60	5.78	5.55	0.10
21.05	5.61	5.37	0.12	23.65	5.79	5.55	0.10
21.10	5.61	5.37	0.12	23.70	5.79	5.55	0.10
21.15	5.62	5.38	0.12	23.75	5.79	5.56	0.10
21.20	5.62	5.38	0.12	23.80	5.80	5.56	0.09
21.25	5.62	5.39	0.12	23.85	5.80	5.56	0.09
21.30	5.63	5.39	0.12	23.90	5.80	5.56	0.09
21.35	5.63	5.39	0.12	23.95	5.81	5.57	0.11
21.40	5.64	5.40	0.12	24.00	**5.81**	**5.57**	0.11
21.45	5.64	5.40	0.12	24.05	5.81	5.57	0.04
21.50	5.64	5.40	0.12	24.10	5.81	5.57	0.00
21.55	5.65	5.41	0.11	24.15	5.81	5.57	0.00
21.60	5.65	5.41	0.11	24.20	5.81	5.57	0.00
21.65	5.65	5.42	0.11	24.25	5.81	5.57	0.00
21.70	5.66	5.42	0.11	24.30	5.81	5.57	0.00
21.75	5.66	5.42	0.11	24.35	5.81	5.57	0.00
21.80	5.66	5.43	0.11	24.40	5.81	5.57	0.00
21.85	5.67	5.43	0.11	24.45	5.81	5.57	0.00
21.90	5.67	5.43	0.11	24.50	5.81	5.57	0.00
21.95	5.68	5.44	0.11	24.55	5.81	5.57	0.00
22.00	5.68	5.44	0.11	24.60	5.81	5.57	0.00
22.05	5.68	5.44	0.11	24.65	5.81	5.57	0.00
22.10	5.69	5.45	0.11	24.70	5.81	5.57	0.00
22.15	5.69	5.45	0.11	24.75	5.81	5.57	0.00
22.20	5.69	5.45	0.11	24.80	5.81	5.57	0.00
22.25	5.70	5.46	0.11	24.85	5.81	5.57	0.00
22.30	5.70	5.46	0.11	24.90	5.81	5.57	0.00
22.35	5.70	5.47	0.11	24.95	5.81	5.57	0.00
22.40	5.71	5.47	0.11	25.00	5.81	5.57	0.00
22.45	5.71	5.47	0.11	25.05	5.81	5.57	0.00
22.50	5.71	5.48	0.11	25.10	5.81	5.57	0.00
22.55	5.72	5.48	0.11	25.15	5.81	5.57	0.00
22.60	5.72	5.48	0.11	25.20	5.81	5.57	0.00
22.65	5.72	5.49	0.11	25.25	5.81	5.57	0.00
22.70	5.73	5.49	0.10	25.30	5.81	5.57	0.00
22.75	5.73	5.49	0.10	25.35	5.81	5.57	0.00
22.80	5.73	5.50	0.10	25.40	5.81	5.57	0.00
22.85	5.74	5.50	0.10	25.45	5.81	5.57	0.00
22.90	5.74	5.50	0.10	25.50	5.81	5.57	0.00
22.95	5.74	5.51	0.10	25.55	5.81	5.57	0.00
23.00	5.75	5.51	0.10	25.60	5.81	5.57	0.00
23.05	5.75	5.51	0.10	25.65	5.81	5.57	0.00
23.10	5.75	5.52	0.10	25.70	5.81	5.57	0.00
23.15	5.76	5.52	0.10	25.75	5.81	5.57	0.00
23.20	5.76	5.52	0.10	25.80	5.81	5.57	0.00
23.25	5.76	5.52	0.10	25.85	5.81	5.57	0.00
23.30	5.77	5.53	0.10	25.90	5.81	5.57	0.00
23.35	5.77	5.53	0.10	25.95	5.81	5.57	0.00

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	5.57	0.00	28.60	5.81	5.57	0.00
26.05	5.81	5.57	0.00	28.65	5.81	5.57	0.00
26.10	5.81	5.57	0.00	28.70	5.81	5.57	0.00
26.15	5.81	5.57	0.00	28.75	5.81	5.57	0.00
26.20	5.81	5.57	0.00	28.80	5.81	5.57	0.00
26.25	5.81	5.57	0.00	28.85	5.81	5.57	0.00
26.30	5.81	5.57	0.00	28.90	5.81	5.57	0.00
26.35	5.81	5.57	0.00	28.95	5.81	5.57	0.00
26.40	5.81	5.57	0.00	29.00	5.81	5.57	0.00
26.45	5.81	5.57	0.00	29.05	5.81	5.57	0.00
26.50	5.81	5.57	0.00	29.10	5.81	5.57	0.00
26.55	5.81	5.57	0.00	29.15	5.81	5.57	0.00
26.60	5.81	5.57	0.00	29.20	5.81	5.57	0.00
26.65	5.81	5.57	0.00	29.25	5.81	5.57	0.00
26.70	5.81	5.57	0.00	29.30	5.81	5.57	0.00
26.75	5.81	5.57	0.00	29.35	5.81	5.57	0.00
26.80	5.81	5.57	0.00	29.40	5.81	5.57	0.00
26.85	5.81	5.57	0.00	29.45	5.81	5.57	0.00
26.90	5.81	5.57	0.00	29.50	5.81	5.57	0.00
26.95	5.81	5.57	0.00	29.55	5.81	5.57	0.00
27.00	5.81	5.57	0.00	29.60	5.81	5.57	0.00
27.05	5.81	5.57	0.00	29.65	5.81	5.57	0.00
27.10	5.81	5.57	0.00	29.70	5.81	5.57	0.00
27.15	5.81	5.57	0.00	29.75	5.81	5.57	0.00
27.20	5.81	5.57	0.00	29.80	5.81	5.57	0.00
27.25	5.81	5.57	0.00	29.85	5.81	5.57	0.00
27.30	5.81	5.57	0.00	29.90	5.81	5.57	0.00
27.35	5.81	5.57	0.00	29.95	5.81	5.57	0.00
27.40	5.81	5.57	0.00	30.00	5.81	5.57	0.00
27.45	5.81	5.57	0.00	30.05	5.81	5.57	0.00
27.50	5.81	5.57	0.00	30.10	5.81	5.57	0.00
27.55	5.81	5.57	0.00	30.15	5.81	5.57	0.00
27.60	5.81	5.57	0.00	30.20	5.81	5.57	0.00
27.65	5.81	5.57	0.00	30.25	5.81	5.57	0.00
27.70	5.81	5.57	0.00	30.30	5.81	5.57	0.00
27.75	5.81	5.57	0.00	30.35	5.81	5.57	0.00
27.80	5.81	5.57	0.00	30.40	5.81	5.57	0.00
27.85	5.81	5.57	0.00	30.45	5.81	5.57	0.00
27.90	5.81	5.57	0.00	30.50	5.81	5.57	0.00
27.95	5.81	5.57	0.00	30.55	5.81	5.57	0.00
28.00	5.81	5.57	0.00	30.60	5.81	5.57	0.00
28.05	5.81	5.57	0.00	30.65	5.81	5.57	0.00
28.10	5.81	5.57	0.00	30.70	5.81	5.57	0.00
28.15	5.81	5.57	0.00	30.75	5.81	5.57	0.00
28.20	5.81	5.57	0.00	30.80	5.81	5.57	0.00
28.25	5.81	5.57	0.00	30.85	5.81	5.57	0.00
28.30	5.81	5.57	0.00	30.90	5.81	5.57	0.00
28.35	5.81	5.57	0.00	30.95	5.81	5.57	0.00
28.40	5.81	5.57	0.00	31.00	5.81	5.57	0.00
28.45	5.81	5.57	0.00	31.05	5.81	5.57	0.00
28.50	5.81	5.57	0.00	31.10	5.81	5.57	0.00
28.55	5.81	5.57	0.00	31.15	5.81	5.57	0.00

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	5.57	0.00	33.80	5.81	5.57	0.00
31.25	5.81	5.57	0.00	33.85	5.81	5.57	0.00
31.30	5.81	5.57	0.00	33.90	5.81	5.57	0.00
31.35	5.81	5.57	0.00	33.95	5.81	5.57	0.00
31.40	5.81	5.57	0.00	34.00	5.81	5.57	0.00
31.45	5.81	5.57	0.00	34.05	5.81	5.57	0.00
31.50	5.81	5.57	0.00	34.10	5.81	5.57	0.00
31.55	5.81	5.57	0.00	34.15	5.81	5.57	0.00
31.60	5.81	5.57	0.00	34.20	5.81	5.57	0.00
31.65	5.81	5.57	0.00	34.25	5.81	5.57	0.00
31.70	5.81	5.57	0.00	34.30	5.81	5.57	0.00
31.75	5.81	5.57	0.00	34.35	5.81	5.57	0.00
31.80	5.81	5.57	0.00	34.40	5.81	5.57	0.00
31.85	5.81	5.57	0.00	34.45	5.81	5.57	0.00
31.90	5.81	5.57	0.00	34.50	5.81	5.57	0.00
31.95	5.81	5.57	0.00	34.55	5.81	5.57	0.00
32.00	5.81	5.57	0.00	34.60	5.81	5.57	0.00
32.05	5.81	5.57	0.00	34.65	5.81	5.57	0.00
32.10	5.81	5.57	0.00	34.70	5.81	5.57	0.00
32.15	5.81	5.57	0.00	34.75	5.81	5.57	0.00
32.20	5.81	5.57	0.00	34.80	5.81	5.57	0.00
32.25	5.81	5.57	0.00	34.85	5.81	5.57	0.00
32.30	5.81	5.57	0.00	34.90	5.81	5.57	0.00
32.35	5.81	5.57	0.00	34.95	5.81	5.57	0.00
32.40	5.81	5.57	0.00	35.00	5.81	5.57	0.00
32.45	5.81	5.57	0.00	35.05	5.81	5.57	0.00
32.50	5.81	5.57	0.00	35.10	5.81	5.57	0.00
32.55	5.81	5.57	0.00	35.15	5.81	5.57	0.00
32.60	5.81	5.57	0.00	35.20	5.81	5.57	0.00
32.65	5.81	5.57	0.00	35.25	5.81	5.57	0.00
32.70	5.81	5.57	0.00	35.30	5.81	5.57	0.00
32.75	5.81	5.57	0.00	35.35	5.81	5.57	0.00
32.80	5.81	5.57	0.00	35.40	5.81	5.57	0.00
32.85	5.81	5.57	0.00	35.45	5.81	5.57	0.00
32.90	5.81	5.57	0.00	35.50	5.81	5.57	0.00
32.95	5.81	5.57	0.00	35.55	5.81	5.57	0.00
33.00	5.81	5.57	0.00	35.60	5.81	5.57	0.00
33.05	5.81	5.57	0.00	35.65	5.81	5.57	0.00
33.10	5.81	5.57	0.00	35.70	5.81	5.57	0.00
33.15	5.81	5.57	0.00	35.75	5.81	5.57	0.00
33.20	5.81	5.57	0.00	35.80	5.81	5.57	0.00
33.25	5.81	5.57	0.00	35.85	5.81	5.57	0.00
33.30	5.81	5.57	0.00	35.90	5.81	5.57	0.00
33.35	5.81	5.57	0.00	35.95	5.81	5.57	0.00
33.40	5.81	5.57	0.00	36.00	5.81	5.57	0.00
33.45	5.81	5.57	0.00	36.05	5.81	5.57	0.00
33.50	5.81	5.57	0.00	36.10	5.81	5.57	0.00
33.55	5.81	5.57	0.00	36.15	5.81	5.57	0.00
33.60	5.81	5.57	0.00	36.20	5.81	5.57	0.00
33.65	5.81	5.57	0.00	36.25	5.81	5.57	0.00
33.70	5.81	5.57	0.00	36.30	5.81	5.57	0.00
33.75	5.81	5.57	0.00	36.35	5.81	5.57	0.00

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	5.57	0.00
36.45	5.81	5.57	0.00
36.50	5.81	5.57	0.00
36.55	5.81	5.57	0.00
36.60	5.81	5.57	0.00
36.65	5.81	5.57	0.00
36.70	5.81	5.57	0.00
36.75	5.81	5.57	0.00
36.80	5.81	5.57	0.00
36.85	5.81	5.57	0.00
36.90	5.81	5.57	0.00
36.95	5.81	5.57	0.00
37.00	5.81	5.57	0.00
37.05	5.81	5.57	0.00
37.10	5.81	5.57	0.00
37.15	5.81	5.57	0.00
37.20	5.81	5.57	0.00
37.25	5.81	5.57	0.00
37.30	5.81	5.57	0.00
37.35	5.81	5.57	0.00
37.40	5.81	5.57	0.00
37.45	5.81	5.57	0.00
37.50	5.81	5.57	0.00
37.55	5.81	5.57	0.00
37.60	5.81	5.57	0.00
37.65	5.81	5.57	0.00
37.70	5.81	5.57	0.00
37.75	5.81	5.57	0.00
37.80	5.81	5.57	0.00
37.85	5.81	5.57	0.00
37.90	5.81	5.57	0.00
37.95	5.81	5.57	0.00
38.00	5.81	5.57	0.00
38.05	5.81	5.57	0.00
38.10	5.81	5.57	0.00
38.15	5.81	5.57	0.00
38.20	5.81	5.57	0.00
38.25	5.81	5.57	0.00
38.30	5.81	5.57	0.00
38.35	5.81	5.57	0.00
38.40	5.81	5.57	0.00
38.45	5.81	5.57	0.00
38.50	5.81	5.57	0.00
38.55	5.81	5.57	0.00
38.60	5.81	5.57	0.00
38.65	5.81	5.57	0.00
38.70	5.81	5.57	0.00
38.75	5.81	5.57	0.00
38.80	5.81	5.57	0.00
38.85	5.81	5.57	0.00
38.90	5.81	5.57	0.00
38.95	5.81	5.57	0.00
39.00	5.81	5.57	0.00
39.05	5.81	5.57	0.00
39.10	5.81	5.57	0.00
39.15	5.81	5.57	0.00
39.20	5.81	5.57	0.00
39.25	5.81	5.57	0.00
39.30	5.81	5.57	0.00
39.35	5.81	5.57	0.00
39.40	5.81	5.57	0.00
39.45	5.81	5.57	0.00
39.50	5.81	5.57	0.00
39.55	5.81	5.57	0.00
39.60	5.81	5.57	0.00
39.65	5.81	5.57	0.00
39.70	5.81	5.57	0.00
39.75	5.81	5.57	0.00
39.80	5.81	5.57	0.00
39.85	5.81	5.57	0.00
39.90	5.81	5.57	0.00
39.95	5.81	5.57	0.00
40.00	5.81	5.57	0.00

Summary for Subcatchment 54P: PDA-54 (pervious)

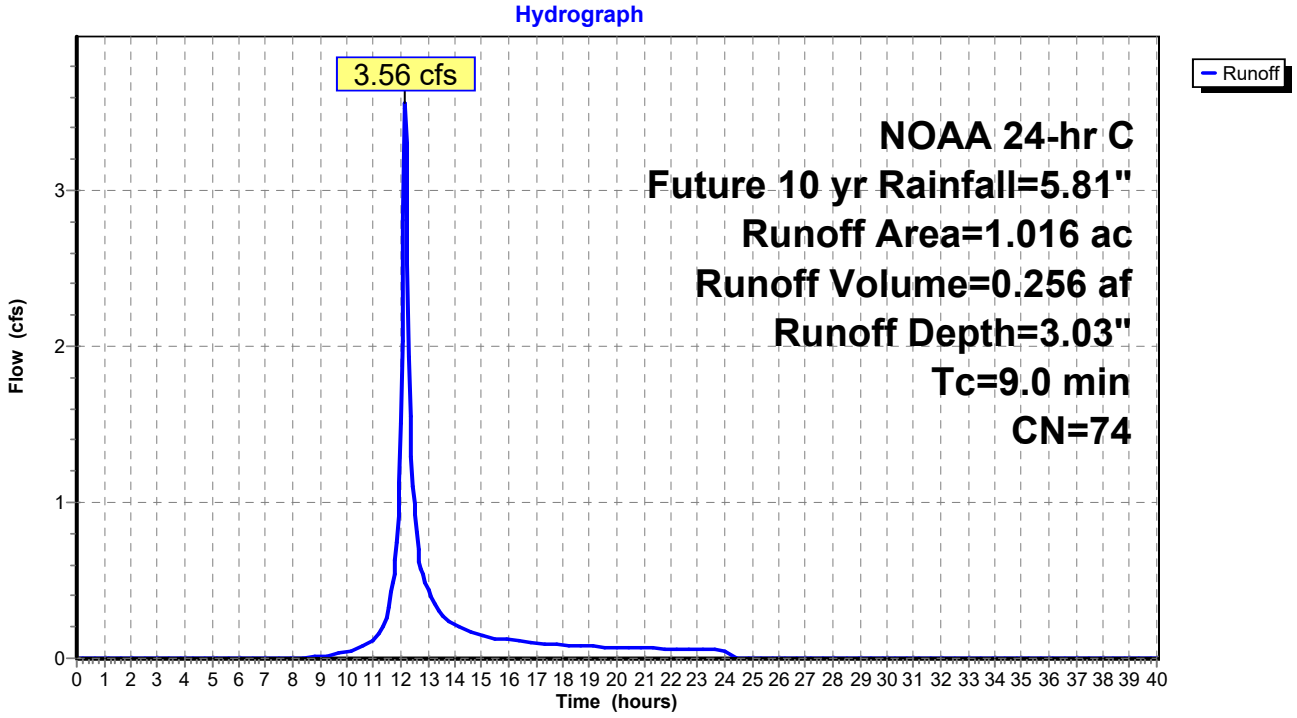
Runoff = 3.56 cfs @ 12.16 hrs, Volume= 0.256 af, Depth= 3.03"
Routed to Pond B-54 : Basin #54

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
1.016	74	>75% Grass cover, Good, HSG C
1.016		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.0					**Direct Entry,**

Subcatchment 54P: PDA-54 (pervious)



Hydrograph for Subcatchment 54P: PDA-54 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.00
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.00
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.00
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.00
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.01
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.01
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.01
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.01
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.01
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.01
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.01
6.35	0.50	0.00	0.00	8.95	0.84	0.01	0.01
6.40	0.50	0.00	0.00	9.00	0.85	0.01	0.01
6.45	0.51	0.00	0.00	9.05	0.86	0.01	0.01
6.50	0.51	0.00	0.00	9.10	0.87	0.01	0.01
6.55	0.52	0.00	0.00	9.15	0.87	0.01	0.01
6.60	0.52	0.00	0.00	9.20	0.88	0.01	0.01
6.65	0.53	0.00	0.00	9.25	0.89	0.01	0.02
6.70	0.53	0.00	0.00	9.30	0.90	0.01	0.02
6.75	0.54	0.00	0.00	9.35	0.91	0.01	0.02
6.80	0.54	0.00	0.00	9.40	0.92	0.01	0.02
6.85	0.55	0.00	0.00	9.45	0.93	0.01	0.02
6.90	0.56	0.00	0.00	9.50	0.94	0.02	0.02
6.95	0.56	0.00	0.00	9.55	0.95	0.02	0.02
7.00	0.57	0.00	0.00	9.60	0.96	0.02	0.03
7.05	0.57	0.00	0.00	9.65	0.98	0.02	0.03
7.10	0.58	0.00	0.00	9.70	0.99	0.02	0.03
7.15	0.58	0.00	0.00	9.75	1.00	0.02	0.03
7.20	0.59	0.00	0.00	9.80	1.01	0.02	0.03
7.25	0.60	0.00	0.00	9.85	1.02	0.03	0.03
7.30	0.60	0.00	0.00	9.90	1.03	0.03	0.04
7.35	0.61	0.00	0.00	9.95	1.05	0.03	0.04
7.40	0.62	0.00	0.00	10.00	1.06	0.03	0.04
7.45	0.62	0.00	0.00	10.05	1.07	0.04	0.04
7.50	0.63	0.00	0.00	10.10	1.09	0.04	0.04
7.55	0.64	0.00	0.00	10.15	1.10	0.04	0.05
7.60	0.64	0.00	0.00	10.20	1.11	0.04	0.05
7.65	0.65	0.00	0.00	10.25	1.13	0.05	0.05
7.70	0.65	0.00	0.00	10.30	1.14	0.05	0.05
7.75	0.66	0.00	0.00	10.35	1.15	0.05	0.06

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.05	0.06	13.00	4.42	1.91	0.45
10.45	1.18	0.06	0.06	13.05	4.44	1.93	0.43
10.50	1.20	0.06	0.06	13.10	4.46	1.94	0.40
10.55	1.21	0.06	0.07	13.15	4.48	1.96	0.38
10.60	1.23	0.07	0.07	13.20	4.50	1.98	0.36
10.65	1.25	0.07	0.08	13.25	4.52	1.99	0.35
10.70	1.27	0.08	0.08	13.30	4.54	2.01	0.33
10.75	1.29	0.08	0.09	13.35	4.56	2.02	0.32
10.80	1.31	0.09	0.09	13.40	4.58	2.03	0.31
10.85	1.33	0.09	0.10	13.45	4.60	2.05	0.30
10.90	1.35	0.10	0.11	13.50	4.61	2.06	0.28
10.95	1.37	0.11	0.12	13.55	4.63	2.07	0.27
11.00	1.39	0.11	0.12	13.60	4.64	2.08	0.26
11.05	1.42	0.12	0.13	13.65	4.66	2.09	0.24
11.10	1.45	0.13	0.14	13.70	4.67	2.10	0.24
11.15	1.48	0.14	0.16	13.75	4.68	2.12	0.23
11.20	1.51	0.15	0.17	13.80	4.70	2.13	0.23
11.25	1.54	0.16	0.19	13.85	4.71	2.14	0.22
11.30	1.57	0.17	0.20	13.90	4.72	2.15	0.22
11.35	1.61	0.18	0.22	13.95	4.74	2.16	0.22
11.40	1.64	0.20	0.24	14.00	4.75	2.17	0.21
11.45	1.68	0.21	0.25	14.05	4.76	2.18	0.21
11.50	1.72	0.23	0.27	14.10	4.78	2.19	0.21
11.55	1.78	0.25	0.29	14.15	4.79	2.20	0.20
11.60	1.83	0.28	0.35	14.20	4.80	2.21	0.20
11.65	1.90	0.30	0.43	14.25	4.81	2.21	0.20
11.70	1.96	0.33	0.48	14.30	4.82	2.22	0.19
11.75	2.04	0.37	0.54	14.35	4.83	2.23	0.19
11.80	2.13	0.41	0.62	14.40	4.85	2.24	0.19
11.85	2.25	0.47	0.74	14.45	4.86	2.25	0.18
11.90	2.36	0.53	0.91	14.50	4.87	2.26	0.18
11.95	2.57	0.65	1.12	14.55	4.88	2.27	0.18
12.00	2.77	0.77	1.50	14.60	4.89	2.27	0.17
12.05	3.11	0.98	2.03	14.65	4.90	2.28	0.17
12.10	3.45	1.20	2.80	14.70	4.91	2.29	0.17
12.15	3.56	1.28	**3.53**	14.75	4.92	2.30	0.16
12.20	3.68	1.37	3.30	14.80	4.93	2.31	0.16
12.25	3.77	1.43	2.52	14.85	4.94	2.31	0.16
12.30	3.85	1.49	1.93	14.90	4.94	2.32	0.15
12.35	3.91	1.53	1.55	14.95	4.95	2.33	0.15
12.40	3.98	1.58	1.29	15.00	4.96	2.33	0.15
12.45	4.03	1.62	1.10	15.05	4.97	2.34	0.14
12.50	4.09	1.67	0.99	15.10	4.98	2.35	0.14
12.55	4.13	1.69	0.92	15.15	4.99	2.35	0.14
12.60	4.17	1.72	0.81	15.20	4.99	2.36	0.13
12.65	4.20	1.75	0.69	15.25	5.00	2.37	0.13
12.70	4.24	1.77	0.62	15.30	5.01	2.37	0.13
12.75	4.27	1.80	0.58	15.35	5.02	2.38	0.13
12.80	4.30	1.82	0.55	15.40	5.03	2.38	0.13
12.85	4.33	1.85	0.52	15.45	5.03	2.39	0.13
12.90	4.36	1.87	0.50	15.50	5.04	2.40	0.13
12.95	4.39	1.89	0.47	15.55	5.05	2.40	0.13

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	2.41	0.13	18.20	5.37	2.66	0.08
15.65	5.06	2.41	0.12	18.25	5.37	2.67	0.08
15.70	5.07	2.42	0.12	18.30	5.38	2.67	0.08
15.75	5.08	2.43	0.12	18.35	5.38	2.67	0.08
15.80	5.09	2.43	0.12	18.40	5.39	2.68	0.08
15.85	5.09	2.44	0.12	18.45	5.39	2.68	0.08
15.90	5.10	2.44	0.12	18.50	5.40	2.68	0.08
15.95	5.11	2.45	0.12	18.55	5.40	2.69	0.08
16.00	5.11	2.46	0.12	18.60	5.40	2.69	0.08
16.05	5.12	2.46	0.12	18.65	5.41	2.69	0.08
16.10	5.13	2.47	0.12	18.70	5.41	2.70	0.08
16.15	5.13	2.47	0.12	18.75	5.42	2.70	0.08
16.20	5.14	2.48	0.12	18.80	5.42	2.71	0.08
16.25	5.15	2.48	0.11	18.85	5.43	2.71	0.08
16.30	5.16	2.49	0.11	18.90	5.43	2.71	0.07
16.35	5.16	2.49	0.11	18.95	5.44	2.72	0.07
16.40	5.17	2.50	0.11	19.00	5.44	2.72	0.07
16.45	5.17	2.50	0.11	19.05	5.44	2.72	0.07
16.50	5.18	2.51	0.11	19.10	5.45	2.73	0.07
16.55	5.19	2.52	0.11	19.15	5.45	2.73	0.07
16.60	5.19	2.52	0.11	19.20	5.46	2.73	0.07
16.65	5.20	2.53	0.11	19.25	5.46	2.74	0.07
16.70	5.21	2.53	0.11	19.30	5.47	2.74	0.07
16.75	5.21	2.54	0.11	19.35	5.47	2.75	0.07
16.80	5.22	2.54	0.10	19.40	5.48	2.75	0.07
16.85	5.23	2.55	0.10	19.45	5.48	2.75	0.07
16.90	5.23	2.55	0.10	19.50	5.48	2.76	0.07
16.95	5.24	2.55	0.10	19.55	5.49	2.76	0.07
17.00	5.24	2.56	0.10	19.60	5.49	2.76	0.07
17.05	5.25	2.56	0.10	19.65	5.50	2.77	0.07
17.10	5.25	2.57	0.10	19.70	5.50	2.77	0.07
17.15	5.26	2.57	0.10	19.75	5.50	2.77	0.07
17.20	5.27	2.58	0.10	19.80	5.51	2.78	0.07
17.25	5.27	2.58	0.10	19.85	5.51	2.78	0.07
17.30	5.28	2.59	0.09	19.90	5.52	2.78	0.07
17.35	5.28	2.59	0.09	19.95	5.52	2.79	0.07
17.40	5.29	2.60	0.09	20.00	5.53	2.79	0.07
17.45	5.29	2.60	0.09	20.05	5.53	2.79	0.07
17.50	5.30	2.61	0.09	20.10	5.53	2.80	0.07
17.55	5.30	2.61	0.09	20.15	5.54	2.80	0.07
17.60	5.31	2.61	0.09	20.20	5.54	2.80	0.07
17.65	5.31	2.62	0.09	20.25	5.55	2.81	0.07
17.70	5.32	2.62	0.09	20.30	5.55	2.81	0.07
17.75	5.33	2.63	0.09	20.35	5.55	2.81	0.07
17.80	5.33	2.63	0.09	20.40	5.56	2.82	0.07
17.85	5.34	2.63	0.08	20.45	5.56	2.82	0.07
17.90	5.34	2.64	0.08	20.50	5.57	2.82	0.07
17.95	5.34	2.64	0.08	20.55	5.57	2.83	0.07
18.00	5.35	2.65	0.08	20.60	5.57	2.83	0.07
18.05	5.35	2.65	0.08	20.65	5.58	2.83	0.07
18.10	5.36	2.65	0.08	20.70	5.58	2.84	0.07
18.15	5.36	2.66	0.08	20.75	5.59	2.84	0.07

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.84	0.07	23.40	5.77	2.99	0.05
20.85	5.59	2.85	0.07	23.45	5.78	3.00	0.05
20.90	5.60	2.85	0.07	23.50	5.78	3.00	0.05
20.95	5.60	2.85	0.07	23.55	5.78	3.00	0.05
21.00	5.61	2.86	0.07	23.60	5.78	3.00	0.05
21.05	5.61	2.86	0.07	23.65	5.79	3.01	0.05
21.10	5.61	2.86	0.06	23.70	5.79	3.01	0.05
21.15	5.62	2.87	0.06	23.75	5.79	3.01	0.05
21.20	5.62	2.87	0.06	23.80	5.80	3.01	0.05
21.25	5.62	2.87	0.06	23.85	5.80	3.02	0.05
21.30	5.63	2.87	0.06	23.90	5.80	3.02	0.05
21.35	5.63	2.88	0.06	23.95	5.81	3.02	0.05
21.40	5.64	2.88	0.06	24.00	**5.81**	**3.03**	0.05
21.45	5.64	2.88	0.06	24.05	5.81	3.03	0.06
21.50	5.64	2.89	0.06	24.10	5.81	3.03	0.04
21.55	5.65	2.89	0.06	24.15	5.81	3.03	0.02
21.60	5.65	2.89	0.06	24.20	5.81	3.03	0.01
21.65	5.65	2.90	0.06	24.25	5.81	3.03	0.00
21.70	5.66	2.90	0.06	24.30	5.81	3.03	0.00
21.75	5.66	2.90	0.06	24.35	5.81	3.03	0.00
21.80	5.66	2.90	0.06	24.40	5.81	3.03	0.00
21.85	5.67	2.91	0.06	24.45	5.81	3.03	0.00
21.90	5.67	2.91	0.06	24.50	5.81	3.03	0.00
21.95	5.68	2.91	0.06	24.55	5.81	3.03	0.00
22.00	5.68	2.92	0.06	24.60	5.81	3.03	0.00
22.05	5.68	2.92	0.06	24.65	5.81	3.03	0.00
22.10	5.69	2.92	0.06	24.70	5.81	3.03	0.00
22.15	5.69	2.93	0.06	24.75	5.81	3.03	0.00
22.20	5.69	2.93	0.06	24.80	5.81	3.03	0.00
22.25	5.70	2.93	0.06	24.85	5.81	3.03	0.00
22.30	5.70	2.93	0.06	24.90	5.81	3.03	0.00
22.35	5.70	2.94	0.06	24.95	5.81	3.03	0.00
22.40	5.71	2.94	0.06	25.00	5.81	3.03	0.00
22.45	5.71	2.94	0.06	25.05	5.81	3.03	0.00
22.50	5.71	2.95	0.06	25.10	5.81	3.03	0.00
22.55	5.72	2.95	0.06	25.15	5.81	3.03	0.00
22.60	5.72	2.95	0.06	25.20	5.81	3.03	0.00
22.65	5.72	2.95	0.06	25.25	5.81	3.03	0.00
22.70	5.73	2.96	0.06	25.30	5.81	3.03	0.00
22.75	5.73	2.96	0.06	25.35	5.81	3.03	0.00
22.80	5.73	2.96	0.06	25.40	5.81	3.03	0.00
22.85	5.74	2.96	0.06	25.45	5.81	3.03	0.00
22.90	5.74	2.97	0.06	25.50	5.81	3.03	0.00
22.95	5.74	2.97	0.06	25.55	5.81	3.03	0.00
23.00	5.75	2.97	0.06	25.60	5.81	3.03	0.00
23.05	5.75	2.98	0.06	25.65	5.81	3.03	0.00
23.10	5.75	2.98	0.06	25.70	5.81	3.03	0.00
23.15	5.76	2.98	0.06	25.75	5.81	3.03	0.00
23.20	5.76	2.98	0.05	25.80	5.81	3.03	0.00
23.25	5.76	2.99	0.05	25.85	5.81	3.03	0.00
23.30	5.77	2.99	0.05	25.90	5.81	3.03	0.00
23.35	5.77	2.99	0.05	25.95	5.81	3.03	0.00

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	3.03	0.00	28.60	5.81	3.03	0.00
26.05	5.81	3.03	0.00	28.65	5.81	3.03	0.00
26.10	5.81	3.03	0.00	28.70	5.81	3.03	0.00
26.15	5.81	3.03	0.00	28.75	5.81	3.03	0.00
26.20	5.81	3.03	0.00	28.80	5.81	3.03	0.00
26.25	5.81	3.03	0.00	28.85	5.81	3.03	0.00
26.30	5.81	3.03	0.00	28.90	5.81	3.03	0.00
26.35	5.81	3.03	0.00	28.95	5.81	3.03	0.00
26.40	5.81	3.03	0.00	29.00	5.81	3.03	0.00
26.45	5.81	3.03	0.00	29.05	5.81	3.03	0.00
26.50	5.81	3.03	0.00	29.10	5.81	3.03	0.00
26.55	5.81	3.03	0.00	29.15	5.81	3.03	0.00
26.60	5.81	3.03	0.00	29.20	5.81	3.03	0.00
26.65	5.81	3.03	0.00	29.25	5.81	3.03	0.00
26.70	5.81	3.03	0.00	29.30	5.81	3.03	0.00
26.75	5.81	3.03	0.00	29.35	5.81	3.03	0.00
26.80	5.81	3.03	0.00	29.40	5.81	3.03	0.00
26.85	5.81	3.03	0.00	29.45	5.81	3.03	0.00
26.90	5.81	3.03	0.00	29.50	5.81	3.03	0.00
26.95	5.81	3.03	0.00	29.55	5.81	3.03	0.00
27.00	5.81	3.03	0.00	29.60	5.81	3.03	0.00
27.05	5.81	3.03	0.00	29.65	5.81	3.03	0.00
27.10	5.81	3.03	0.00	29.70	5.81	3.03	0.00
27.15	5.81	3.03	0.00	29.75	5.81	3.03	0.00
27.20	5.81	3.03	0.00	29.80	5.81	3.03	0.00
27.25	5.81	3.03	0.00	29.85	5.81	3.03	0.00
27.30	5.81	3.03	0.00	29.90	5.81	3.03	0.00
27.35	5.81	3.03	0.00	29.95	5.81	3.03	0.00
27.40	5.81	3.03	0.00	30.00	5.81	3.03	0.00
27.45	5.81	3.03	0.00	30.05	5.81	3.03	0.00
27.50	5.81	3.03	0.00	30.10	5.81	3.03	0.00
27.55	5.81	3.03	0.00	30.15	5.81	3.03	0.00
27.60	5.81	3.03	0.00	30.20	5.81	3.03	0.00
27.65	5.81	3.03	0.00	30.25	5.81	3.03	0.00
27.70	5.81	3.03	0.00	30.30	5.81	3.03	0.00
27.75	5.81	3.03	0.00	30.35	5.81	3.03	0.00
27.80	5.81	3.03	0.00	30.40	5.81	3.03	0.00
27.85	5.81	3.03	0.00	30.45	5.81	3.03	0.00
27.90	5.81	3.03	0.00	30.50	5.81	3.03	0.00
27.95	5.81	3.03	0.00	30.55	5.81	3.03	0.00
28.00	5.81	3.03	0.00	30.60	5.81	3.03	0.00
28.05	5.81	3.03	0.00	30.65	5.81	3.03	0.00
28.10	5.81	3.03	0.00	30.70	5.81	3.03	0.00
28.15	5.81	3.03	0.00	30.75	5.81	3.03	0.00
28.20	5.81	3.03	0.00	30.80	5.81	3.03	0.00
28.25	5.81	3.03	0.00	30.85	5.81	3.03	0.00
28.30	5.81	3.03	0.00	30.90	5.81	3.03	0.00
28.35	5.81	3.03	0.00	30.95	5.81	3.03	0.00
28.40	5.81	3.03	0.00	31.00	5.81	3.03	0.00
28.45	5.81	3.03	0.00	31.05	5.81	3.03	0.00
28.50	5.81	3.03	0.00	31.10	5.81	3.03	0.00
28.55	5.81	3.03	0.00	31.15	5.81	3.03	0.00

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	3.03	0.00	33.80	5.81	3.03	0.00
31.25	5.81	3.03	0.00	33.85	5.81	3.03	0.00
31.30	5.81	3.03	0.00	33.90	5.81	3.03	0.00
31.35	5.81	3.03	0.00	33.95	5.81	3.03	0.00
31.40	5.81	3.03	0.00	34.00	5.81	3.03	0.00
31.45	5.81	3.03	0.00	34.05	5.81	3.03	0.00
31.50	5.81	3.03	0.00	34.10	5.81	3.03	0.00
31.55	5.81	3.03	0.00	34.15	5.81	3.03	0.00
31.60	5.81	3.03	0.00	34.20	5.81	3.03	0.00
31.65	5.81	3.03	0.00	34.25	5.81	3.03	0.00
31.70	5.81	3.03	0.00	34.30	5.81	3.03	0.00
31.75	5.81	3.03	0.00	34.35	5.81	3.03	0.00
31.80	5.81	3.03	0.00	34.40	5.81	3.03	0.00
31.85	5.81	3.03	0.00	34.45	5.81	3.03	0.00
31.90	5.81	3.03	0.00	34.50	5.81	3.03	0.00
31.95	5.81	3.03	0.00	34.55	5.81	3.03	0.00
32.00	5.81	3.03	0.00	34.60	5.81	3.03	0.00
32.05	5.81	3.03	0.00	34.65	5.81	3.03	0.00
32.10	5.81	3.03	0.00	34.70	5.81	3.03	0.00
32.15	5.81	3.03	0.00	34.75	5.81	3.03	0.00
32.20	5.81	3.03	0.00	34.80	5.81	3.03	0.00
32.25	5.81	3.03	0.00	34.85	5.81	3.03	0.00
32.30	5.81	3.03	0.00	34.90	5.81	3.03	0.00
32.35	5.81	3.03	0.00	34.95	5.81	3.03	0.00
32.40	5.81	3.03	0.00	35.00	5.81	3.03	0.00
32.45	5.81	3.03	0.00	35.05	5.81	3.03	0.00
32.50	5.81	3.03	0.00	35.10	5.81	3.03	0.00
32.55	5.81	3.03	0.00	35.15	5.81	3.03	0.00
32.60	5.81	3.03	0.00	35.20	5.81	3.03	0.00
32.65	5.81	3.03	0.00	35.25	5.81	3.03	0.00
32.70	5.81	3.03	0.00	35.30	5.81	3.03	0.00
32.75	5.81	3.03	0.00	35.35	5.81	3.03	0.00
32.80	5.81	3.03	0.00	35.40	5.81	3.03	0.00
32.85	5.81	3.03	0.00	35.45	5.81	3.03	0.00
32.90	5.81	3.03	0.00	35.50	5.81	3.03	0.00
32.95	5.81	3.03	0.00	35.55	5.81	3.03	0.00
33.00	5.81	3.03	0.00	35.60	5.81	3.03	0.00
33.05	5.81	3.03	0.00	35.65	5.81	3.03	0.00
33.10	5.81	3.03	0.00	35.70	5.81	3.03	0.00
33.15	5.81	3.03	0.00	35.75	5.81	3.03	0.00
33.20	5.81	3.03	0.00	35.80	5.81	3.03	0.00
33.25	5.81	3.03	0.00	35.85	5.81	3.03	0.00
33.30	5.81	3.03	0.00	35.90	5.81	3.03	0.00
33.35	5.81	3.03	0.00	35.95	5.81	3.03	0.00
33.40	5.81	3.03	0.00	36.00	5.81	3.03	0.00
33.45	5.81	3.03	0.00	36.05	5.81	3.03	0.00
33.50	5.81	3.03	0.00	36.10	5.81	3.03	0.00
33.55	5.81	3.03	0.00	36.15	5.81	3.03	0.00
33.60	5.81	3.03	0.00	36.20	5.81	3.03	0.00
33.65	5.81	3.03	0.00	36.25	5.81	3.03	0.00
33.70	5.81	3.03	0.00	36.30	5.81	3.03	0.00
33.75	5.81	3.03	0.00	36.35	5.81	3.03	0.00

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	3.03	0.00
36.45	5.81	3.03	0.00
36.50	5.81	3.03	0.00
36.55	5.81	3.03	0.00
36.60	5.81	3.03	0.00
36.65	5.81	3.03	0.00
36.70	5.81	3.03	0.00
36.75	5.81	3.03	0.00
36.80	5.81	3.03	0.00
36.85	5.81	3.03	0.00
36.90	5.81	3.03	0.00
36.95	5.81	3.03	0.00
37.00	5.81	3.03	0.00
37.05	5.81	3.03	0.00
37.10	5.81	3.03	0.00
37.15	5.81	3.03	0.00
37.20	5.81	3.03	0.00
37.25	5.81	3.03	0.00
37.30	5.81	3.03	0.00
37.35	5.81	3.03	0.00
37.40	5.81	3.03	0.00
37.45	5.81	3.03	0.00
37.50	5.81	3.03	0.00
37.55	5.81	3.03	0.00
37.60	5.81	3.03	0.00
37.65	5.81	3.03	0.00
37.70	5.81	3.03	0.00
37.75	5.81	3.03	0.00
37.80	5.81	3.03	0.00
37.85	5.81	3.03	0.00
37.90	5.81	3.03	0.00
37.95	5.81	3.03	0.00
38.00	5.81	3.03	0.00
38.05	5.81	3.03	0.00
38.10	5.81	3.03	0.00
38.15	5.81	3.03	0.00
38.20	5.81	3.03	0.00
38.25	5.81	3.03	0.00
38.30	5.81	3.03	0.00
38.35	5.81	3.03	0.00
38.40	5.81	3.03	0.00
38.45	5.81	3.03	0.00
38.50	5.81	3.03	0.00
38.55	5.81	3.03	0.00
38.60	5.81	3.03	0.00
38.65	5.81	3.03	0.00
38.70	5.81	3.03	0.00
38.75	5.81	3.03	0.00
38.80	5.81	3.03	0.00
38.85	5.81	3.03	0.00
38.90	5.81	3.03	0.00
38.95	5.81	3.03	0.00
39.00	5.81	3.03	0.00
39.05	5.81	3.03	0.00
39.10	5.81	3.03	0.00
39.15	5.81	3.03	0.00
39.20	5.81	3.03	0.00
39.25	5.81	3.03	0.00
39.30	5.81	3.03	0.00
39.35	5.81	3.03	0.00
39.40	5.81	3.03	0.00
39.45	5.81	3.03	0.00
39.50	5.81	3.03	0.00
39.55	5.81	3.03	0.00
39.60	5.81	3.03	0.00
39.65	5.81	3.03	0.00
39.70	5.81	3.03	0.00
39.75	5.81	3.03	0.00
39.80	5.81	3.03	0.00
39.85	5.81	3.03	0.00
39.90	5.81	3.03	0.00
39.95	5.81	3.03	0.00
40.00	5.81	3.03	0.00

Summary for Subcatchment 55l: PDA-55 (impervious)

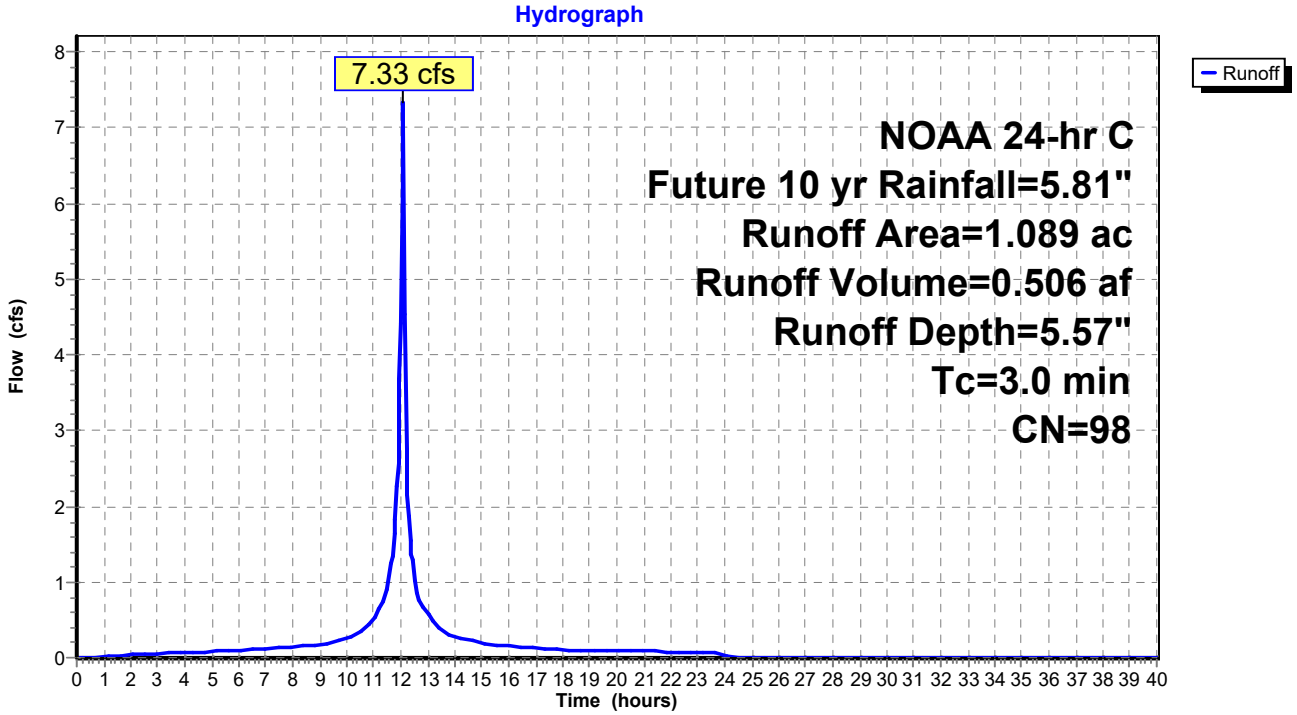
Runoff = 7.33 cfs @ 12.09 hrs, Volume= 0.506 af, Depth= 5.57"
Routed to Pond B-55 : Basin #55

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

	Area (ac)	CN	Description
*	0.467	98	Pavement, HSG C
*	0.574	98	Roof, HSG C
*	0.048	98	Concrete, HSG C
	1.089	98	Weighted Average
	1.089		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.0					**Direct Entry,**

Subcatchment 55l: PDA-55 (impervious)



Hydrograph for Subcatchment 55I: PDA-55 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.05	0.05
0.05	0.00	0.00	0.00	2.65	0.18	0.06	0.05
0.10	0.01	0.00	0.00	2.70	0.18	0.06	0.05
0.15	0.01	0.00	0.00	2.75	0.19	0.06	0.05
0.20	0.01	0.00	0.00	2.80	0.19	0.06	0.05
0.25	0.02	0.00	0.00	2.85	0.19	0.07	0.06
0.30	0.02	0.00	0.00	2.90	0.20	0.07	0.06
0.35	0.02	0.00	0.00	2.95	0.20	0.07	0.06
0.40	0.03	0.00	0.00	3.00	0.20	0.07	0.06
0.45	0.03	0.00	0.00	3.05	0.21	0.08	0.06
0.50	0.03	0.00	0.00	3.10	0.21	0.08	0.06
0.55	0.03	0.00	0.00	3.15	0.22	0.08	0.06
0.60	0.04	0.00	0.00	3.20	0.22	0.08	0.06
0.65	0.04	0.00	0.00	3.25	0.22	0.09	0.06
0.70	0.04	0.00	0.00	3.30	0.23	0.09	0.06
0.75	0.05	0.00	0.00	3.35	0.23	0.09	0.06
0.80	0.05	0.00	0.00	3.40	0.24	0.10	0.06
0.85	0.05	0.00	0.01	3.45	0.24	0.10	0.06
0.90	0.06	0.00	0.01	3.50	0.24	0.10	0.07
0.95	0.06	0.00	0.01	3.55	0.25	0.10	0.07
1.00	0.06	0.00	0.01	3.60	0.25	0.11	0.07
1.05	0.07	0.00	0.01	3.65	0.26	0.11	0.07
1.10	0.07	0.00	0.02	3.70	0.26	0.11	0.07
1.15	0.07	0.00	0.02	3.75	0.26	0.12	0.07
1.20	0.08	0.01	0.02	3.80	0.27	0.12	0.07
1.25	0.08	0.01	0.02	3.85	0.27	0.12	0.07
1.30	0.08	0.01	0.02	3.90	0.28	0.13	0.07
1.35	0.09	0.01	0.02	3.95	0.28	0.13	0.07
1.40	0.09	0.01	0.02	4.00	0.28	0.13	0.07
1.45	0.09	0.01	0.03	4.05	0.29	0.14	0.07
1.50	0.10	0.01	0.03	4.10	0.29	0.14	0.07
1.55	0.10	0.01	0.03	4.15	0.30	0.14	0.07
1.60	0.10	0.01	0.03	4.20	0.30	0.15	0.07
1.65	0.11	0.02	0.03	4.25	0.31	0.15	0.07
1.70	0.11	0.02	0.03	4.30	0.31	0.15	0.07
1.75	0.11	0.02	0.03	4.35	0.31	0.16	0.08
1.80	0.12	0.02	0.03	4.40	0.32	0.16	0.08
1.85	0.12	0.02	0.04	4.45	0.32	0.16	0.08
1.90	0.12	0.02	0.04	4.50	0.33	0.17	0.08
1.95	0.13	0.03	0.04	4.55	0.33	0.17	0.08
2.00	0.13	0.03	0.04	4.60	0.33	0.17	0.08
2.05	0.13	0.03	0.04	4.65	0.34	0.18	0.08
2.10	0.14	0.03	0.04	4.70	0.34	0.18	0.08
2.15	0.14	0.03	0.04	4.75	0.35	0.18	0.08
2.20	0.15	0.04	0.04	4.80	0.35	0.19	0.08
2.25	0.15	0.04	0.04	4.85	0.36	0.19	0.08
2.30	0.15	0.04	0.05	4.90	0.36	0.20	0.08
2.35	0.16	0.04	0.05	4.95	0.37	0.20	0.08
2.40	0.16	0.04	0.05	5.00	0.37	0.20	0.08
2.45	0.16	0.05	0.05	5.05	0.37	0.21	0.08
2.50	0.17	0.05	0.05	5.10	0.38	0.21	0.08
2.55	0.17	0.05	0.05	5.15	0.38	0.21	0.08

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.22	0.08	7.80	0.67	0.47	0.14
5.25	0.39	0.22	0.08	7.85	0.68	0.48	0.14
5.30	0.40	0.23	0.08	7.90	0.68	0.49	0.14
5.35	0.40	0.23	0.09	7.95	0.69	0.49	0.14
5.40	0.41	0.23	0.09	8.00	0.70	0.50	0.14
5.45	0.41	0.24	0.09	8.05	0.70	0.51	0.15
5.50	0.41	0.24	0.09	8.10	0.71	0.51	0.15
5.55	0.42	0.25	0.09	8.15	0.72	0.52	0.15
5.60	0.42	0.25	0.09	8.20	0.72	0.53	0.15
5.65	0.43	0.25	0.09	8.25	0.73	0.53	0.15
5.70	0.43	0.26	0.09	8.30	0.74	0.54	0.15
5.75	0.44	0.26	0.09	8.35	0.75	0.55	0.15
5.80	0.44	0.27	0.09	8.40	0.75	0.55	0.16
5.85	0.45	0.27	0.09	8.45	0.76	0.56	0.16
5.90	0.45	0.27	0.09	8.50	0.77	0.57	0.16
5.95	0.46	0.28	0.09	8.55	0.78	0.58	0.16
6.00	0.46	0.28	0.09	8.60	0.78	0.58	0.16
6.05	0.47	0.29	0.09	8.65	0.79	0.59	0.16
6.10	0.47	0.29	0.09	8.70	0.80	0.60	0.16
6.15	0.47	0.30	0.10	8.75	0.81	0.61	0.17
6.20	0.48	0.30	0.10	8.80	0.82	0.61	0.17
6.25	0.48	0.30	0.10	8.85	0.82	0.62	0.17
6.30	0.49	0.31	0.10	8.90	0.83	0.63	0.17
6.35	0.50	0.31	0.10	8.95	0.84	0.64	0.17
6.40	0.50	0.32	0.10	9.00	0.85	0.64	0.17
6.45	0.51	0.32	0.10	9.05	0.86	0.65	0.18
6.50	0.51	0.33	0.10	9.10	0.87	0.66	0.18
6.55	0.52	0.33	0.11	9.15	0.87	0.67	0.19
6.60	0.52	0.34	0.11	9.20	0.88	0.68	0.19
6.65	0.53	0.34	0.11	9.25	0.89	0.69	0.20
6.70	0.53	0.35	0.11	9.30	0.90	0.70	0.20
6.75	0.54	0.35	0.11	9.35	0.91	0.71	0.21
6.80	0.54	0.36	0.11	9.40	0.92	0.72	0.21
6.85	0.55	0.36	0.11	9.45	0.93	0.73	0.21
6.90	0.56	0.37	0.12	9.50	0.94	0.74	0.22
6.95	0.56	0.37	0.12	9.55	0.95	0.75	0.22
7.00	0.57	0.38	0.12	9.60	0.96	0.76	0.23
7.05	0.57	0.38	0.12	9.65	0.98	0.77	0.23
7.10	0.58	0.39	0.12	9.70	0.99	0.78	0.24
7.15	0.58	0.40	0.12	9.75	1.00	0.79	0.24
7.20	0.59	0.40	0.12	9.80	1.01	0.80	0.25
7.25	0.60	0.41	0.12	9.85	1.02	0.81	0.25
7.30	0.60	0.41	0.13	9.90	1.03	0.82	0.26
7.35	0.61	0.42	0.13	9.95	1.05	0.84	0.26
7.40	0.62	0.42	0.13	10.00	1.06	0.85	0.27
7.45	0.62	0.43	0.13	10.05	1.07	0.86	0.27
7.50	0.63	0.44	0.13	10.10	1.09	0.87	0.28
7.55	0.64	0.44	0.13	10.15	1.10	0.89	0.28
7.60	0.64	0.45	0.13	10.20	1.11	0.90	0.29
7.65	0.65	0.45	0.14	10.25	1.13	0.91	0.29
7.70	0.65	0.46	0.14	10.30	1.14	0.93	0.30
7.75	0.66	0.47	0.14	10.35	1.15	0.94	0.30

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.95	0.30	13.00	4.42	4.18	0.57
10.45	1.18	0.97	0.31	13.05	4.44	4.20	0.53
10.50	1.20	0.98	0.32	13.10	4.46	4.23	0.51
10.55	1.21	1.00	0.34	13.15	4.48	4.25	0.48
10.60	1.23	1.02	0.35	13.20	4.50	4.27	0.47
10.65	1.25	1.03	0.37	13.25	4.52	4.29	0.45
10.70	1.27	1.05	0.39	13.30	4.54	4.31	0.43
10.75	1.29	1.07	0.41	13.35	4.56	4.33	0.41
10.80	1.31	1.09	0.42	13.40	4.58	4.34	0.40
10.85	1.33	1.11	0.45	13.45	4.60	4.36	0.37
10.90	1.35	1.13	0.46	13.50	4.61	4.38	0.36
10.95	1.37	1.15	0.48	13.55	4.63	4.39	0.34
11.00	1.39	1.18	0.50	13.60	4.64	4.41	0.32
11.05	1.42	1.20	0.54	13.65	4.66	4.42	0.32
11.10	1.45	1.23	0.56	13.70	4.67	4.43	0.31
11.15	1.48	1.26	0.61	13.75	4.68	4.45	0.31
11.20	1.51	1.29	0.63	13.80	4.70	4.46	0.30
11.25	1.54	1.32	0.67	13.85	4.71	4.48	0.30
11.30	1.57	1.35	0.70	13.90	4.72	4.49	0.29
11.35	1.61	1.38	0.74	13.95	4.74	4.50	0.29
11.40	1.64	1.42	0.77	14.00	4.75	4.51	0.28
11.45	1.68	1.46	0.80	14.05	4.76	4.53	0.28
11.50	1.72	1.49	0.83	14.10	4.78	4.54	0.27
11.55	1.78	1.55	1.09	14.15	4.79	4.55	0.27
11.60	1.83	1.61	1.26	14.20	4.80	4.56	0.27
11.65	1.90	1.67	1.32	14.25	4.81	4.57	0.26
11.70	1.96	1.73	1.35	14.30	4.82	4.59	0.26
11.75	2.04	1.82	1.64	14.35	4.83	4.60	0.25
11.80	2.13	1.90	1.84	14.40	4.85	4.61	0.25
11.85	2.25	2.02	2.27	14.45	4.86	4.62	0.24
11.90	2.36	2.13	2.57	14.50	4.87	4.63	0.24
11.95	2.57	2.34	3.68	14.55	4.88	4.64	0.23
12.00	2.77	2.54	4.41	14.60	4.89	4.65	0.23
12.05	3.11	2.88	6.21	14.65	4.90	4.66	0.22
12.10	3.45	3.21	**7.24**	14.70	4.91	4.67	0.22
12.15	3.56	3.33	4.52	14.75	4.92	4.68	0.21
12.20	3.68	3.45	2.74	14.80	4.93	4.69	0.21
12.25	3.77	3.53	2.16	14.85	4.94	4.70	0.20
12.30	3.85	3.62	1.88	14.90	4.94	4.71	0.20
12.35	3.91	3.68	1.56	14.95	4.95	4.72	0.19
12.40	3.98	3.74	1.37	15.00	4.96	4.72	0.19
12.45	4.03	3.80	1.32	15.05	4.97	4.73	0.18
12.50	4.09	3.86	1.28	15.10	4.98	4.74	0.18
12.55	4.13	3.90	1.01	15.15	4.99	4.75	0.18
12.60	4.17	3.93	0.85	15.20	4.99	4.76	0.18
12.65	4.20	3.97	0.80	15.25	5.00	4.76	0.17
12.70	4.24	4.00	0.78	15.30	5.01	4.77	0.17
12.75	4.27	4.04	0.74	15.35	5.02	4.78	0.17
12.80	4.30	4.07	0.71	15.40	5.03	4.79	0.17
12.85	4.33	4.10	0.67	15.45	5.03	4.80	0.17
12.90	4.36	4.13	0.64	15.50	5.04	4.80	0.17
12.95	4.39	4.15	0.60	15.55	5.05	4.81	0.17

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	4.82	0.17	18.20	5.37	5.13	0.10
15.65	5.06	4.83	0.16	18.25	5.37	5.14	0.10
15.70	5.07	4.83	0.16	18.30	5.38	5.14	0.10
15.75	5.08	4.84	0.16	18.35	5.38	5.14	0.10
15.80	5.09	4.85	0.16	18.40	5.39	5.15	0.10
15.85	5.09	4.86	0.16	18.45	5.39	5.15	0.10
15.90	5.10	4.86	0.16	18.50	5.40	5.16	0.10
15.95	5.11	4.87	0.16	18.55	5.40	5.16	0.10
16.00	5.11	4.88	0.16	18.60	5.40	5.17	0.10
16.05	5.12	4.88	0.15	18.65	5.41	5.17	0.10
16.10	5.13	4.89	0.15	18.70	5.41	5.18	0.10
16.15	5.13	4.90	0.15	18.75	5.42	5.18	0.10
16.20	5.14	4.90	0.15	18.80	5.42	5.19	0.10
16.25	5.15	4.91	0.15	18.85	5.43	5.19	0.10
16.30	5.16	4.92	0.15	18.90	5.43	5.19	0.10
16.35	5.16	4.92	0.15	18.95	5.44	5.20	0.10
16.40	5.17	4.93	0.15	19.00	5.44	5.20	0.10
16.45	5.17	4.94	0.14	19.05	5.44	5.21	0.10
16.50	5.18	4.94	0.14	19.10	5.45	5.21	0.10
16.55	5.19	4.95	0.14	19.15	5.45	5.22	0.10
16.60	5.19	4.96	0.14	19.20	5.46	5.22	0.10
16.65	5.20	4.96	0.14	19.25	5.46	5.22	0.10
16.70	5.21	4.97	0.14	19.30	5.47	5.23	0.09
16.75	5.21	4.98	0.14	19.35	5.47	5.23	0.09
16.80	5.22	4.98	0.14	19.40	5.48	5.24	0.09
16.85	5.23	4.99	0.13	19.45	5.48	5.24	0.09
16.90	5.23	4.99	0.13	19.50	5.48	5.25	0.09
16.95	5.24	5.00	0.13	19.55	5.49	5.25	0.09
17.00	5.24	5.01	0.13	19.60	5.49	5.25	0.09
17.05	5.25	5.01	0.13	19.65	5.50	5.26	0.09
17.10	5.25	5.02	0.13	19.70	5.50	5.26	0.09
17.15	5.26	5.02	0.13	19.75	5.50	5.27	0.09
17.20	5.27	5.03	0.13	19.80	5.51	5.27	0.09
17.25	5.27	5.03	0.12	19.85	5.51	5.28	0.09
17.30	5.28	5.04	0.12	19.90	5.52	5.28	0.09
17.35	5.28	5.05	0.12	19.95	5.52	5.28	0.09
17.40	5.29	5.05	0.12	20.00	5.53	5.29	0.09
17.45	5.29	5.06	0.12	20.05	5.53	5.29	0.09
17.50	5.30	5.06	0.12	20.10	5.53	5.30	0.09
17.55	5.30	5.07	0.12	20.15	5.54	5.30	0.09
17.60	5.31	5.07	0.12	20.20	5.54	5.30	0.09
17.65	5.31	5.08	0.11	20.25	5.55	5.31	0.09
17.70	5.32	5.08	0.11	20.30	5.55	5.31	0.09
17.75	5.33	5.09	0.11	20.35	5.55	5.32	0.09
17.80	5.33	5.09	0.11	20.40	5.56	5.32	0.09
17.85	5.34	5.10	0.11	20.45	5.56	5.32	0.09
17.90	5.34	5.10	0.11	20.50	5.57	5.33	0.09
17.95	5.34	5.11	0.11	20.55	5.57	5.33	0.09
18.00	5.35	5.11	0.11	20.60	5.57	5.34	0.09
18.05	5.35	5.12	0.10	20.65	5.58	5.34	0.09
18.10	5.36	5.12	0.10	20.70	5.58	5.34	0.09
18.15	5.36	5.13	0.10	20.75	5.59	5.35	0.09

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	5.35	0.09	23.40	5.77	5.53	0.07
20.85	5.59	5.36	0.09	23.45	5.78	5.54	0.07
20.90	5.60	5.36	0.08	23.50	5.78	5.54	0.07
20.95	5.60	5.36	0.08	23.55	5.78	5.54	0.07
21.00	5.61	5.37	0.08	23.60	5.78	5.55	0.07
21.05	5.61	5.37	0.08	23.65	5.79	5.55	0.07
21.10	5.61	5.37	0.08	23.70	5.79	5.55	0.07
21.15	5.62	5.38	0.08	23.75	5.79	5.56	0.07
21.20	5.62	5.38	0.08	23.80	5.80	5.56	0.07
21.25	5.62	5.39	0.08	23.85	5.80	5.56	0.07
21.30	5.63	5.39	0.08	23.90	5.80	5.56	0.07
21.35	5.63	5.39	0.08	23.95	5.81	5.57	0.08
21.40	5.64	5.40	0.08	24.00	**5.81**	**5.57**	0.08
21.45	5.64	5.40	0.08	24.05	5.81	5.57	0.03
21.50	5.64	5.40	0.08	24.10	5.81	5.57	0.00
21.55	5.65	5.41	0.08	24.15	5.81	5.57	0.00
21.60	5.65	5.41	0.08	24.20	5.81	5.57	0.00
21.65	5.65	5.42	0.08	24.25	5.81	5.57	0.00
21.70	5.66	5.42	0.08	24.30	5.81	5.57	0.00
21.75	5.66	5.42	0.08	24.35	5.81	5.57	0.00
21.80	5.66	5.43	0.08	24.40	5.81	5.57	0.00
21.85	5.67	5.43	0.08	24.45	5.81	5.57	0.00
21.90	5.67	5.43	0.08	24.50	5.81	5.57	0.00
21.95	5.68	5.44	0.08	24.55	5.81	5.57	0.00
22.00	5.68	5.44	0.08	24.60	5.81	5.57	0.00
22.05	5.68	5.44	0.08	24.65	5.81	5.57	0.00
22.10	5.69	5.45	0.08	24.70	5.81	5.57	0.00
22.15	5.69	5.45	0.08	24.75	5.81	5.57	0.00
22.20	5.69	5.45	0.08	24.80	5.81	5.57	0.00
22.25	5.70	5.46	0.08	24.85	5.81	5.57	0.00
22.30	5.70	5.46	0.08	24.90	5.81	5.57	0.00
22.35	5.70	5.47	0.08	24.95	5.81	5.57	0.00
22.40	5.71	5.47	0.08	25.00	5.81	5.57	0.00
22.45	5.71	5.47	0.07	25.05	5.81	5.57	0.00
22.50	5.71	5.48	0.07	25.10	5.81	5.57	0.00
22.55	5.72	5.48	0.07	25.15	5.81	5.57	0.00
22.60	5.72	5.48	0.07	25.20	5.81	5.57	0.00
22.65	5.72	5.49	0.07	25.25	5.81	5.57	0.00
22.70	5.73	5.49	0.07	25.30	5.81	5.57	0.00
22.75	5.73	5.49	0.07	25.35	5.81	5.57	0.00
22.80	5.73	5.50	0.07	25.40	5.81	5.57	0.00
22.85	5.74	5.50	0.07	25.45	5.81	5.57	0.00
22.90	5.74	5.50	0.07	25.50	5.81	5.57	0.00
22.95	5.74	5.51	0.07	25.55	5.81	5.57	0.00
23.00	5.75	5.51	0.07	25.60	5.81	5.57	0.00
23.05	5.75	5.51	0.07	25.65	5.81	5.57	0.00
23.10	5.75	5.52	0.07	25.70	5.81	5.57	0.00
23.15	5.76	5.52	0.07	25.75	5.81	5.57	0.00
23.20	5.76	5.52	0.07	25.80	5.81	5.57	0.00
23.25	5.76	5.52	0.07	25.85	5.81	5.57	0.00
23.30	5.77	5.53	0.07	25.90	5.81	5.57	0.00
23.35	5.77	5.53	0.07	25.95	5.81	5.57	0.00

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	5.57	0.00	28.60	5.81	5.57	0.00
26.05	5.81	5.57	0.00	28.65	5.81	5.57	0.00
26.10	5.81	5.57	0.00	28.70	5.81	5.57	0.00
26.15	5.81	5.57	0.00	28.75	5.81	5.57	0.00
26.20	5.81	5.57	0.00	28.80	5.81	5.57	0.00
26.25	5.81	5.57	0.00	28.85	5.81	5.57	0.00
26.30	5.81	5.57	0.00	28.90	5.81	5.57	0.00
26.35	5.81	5.57	0.00	28.95	5.81	5.57	0.00
26.40	5.81	5.57	0.00	29.00	5.81	5.57	0.00
26.45	5.81	5.57	0.00	29.05	5.81	5.57	0.00
26.50	5.81	5.57	0.00	29.10	5.81	5.57	0.00
26.55	5.81	5.57	0.00	29.15	5.81	5.57	0.00
26.60	5.81	5.57	0.00	29.20	5.81	5.57	0.00
26.65	5.81	5.57	0.00	29.25	5.81	5.57	0.00
26.70	5.81	5.57	0.00	29.30	5.81	5.57	0.00
26.75	5.81	5.57	0.00	29.35	5.81	5.57	0.00
26.80	5.81	5.57	0.00	29.40	5.81	5.57	0.00
26.85	5.81	5.57	0.00	29.45	5.81	5.57	0.00
26.90	5.81	5.57	0.00	29.50	5.81	5.57	0.00
26.95	5.81	5.57	0.00	29.55	5.81	5.57	0.00
27.00	5.81	5.57	0.00	29.60	5.81	5.57	0.00
27.05	5.81	5.57	0.00	29.65	5.81	5.57	0.00
27.10	5.81	5.57	0.00	29.70	5.81	5.57	0.00
27.15	5.81	5.57	0.00	29.75	5.81	5.57	0.00
27.20	5.81	5.57	0.00	29.80	5.81	5.57	0.00
27.25	5.81	5.57	0.00	29.85	5.81	5.57	0.00
27.30	5.81	5.57	0.00	29.90	5.81	5.57	0.00
27.35	5.81	5.57	0.00	29.95	5.81	5.57	0.00
27.40	5.81	5.57	0.00	30.00	5.81	5.57	0.00
27.45	5.81	5.57	0.00	30.05	5.81	5.57	0.00
27.50	5.81	5.57	0.00	30.10	5.81	5.57	0.00
27.55	5.81	5.57	0.00	30.15	5.81	5.57	0.00
27.60	5.81	5.57	0.00	30.20	5.81	5.57	0.00
27.65	5.81	5.57	0.00	30.25	5.81	5.57	0.00
27.70	5.81	5.57	0.00	30.30	5.81	5.57	0.00
27.75	5.81	5.57	0.00	30.35	5.81	5.57	0.00
27.80	5.81	5.57	0.00	30.40	5.81	5.57	0.00
27.85	5.81	5.57	0.00	30.45	5.81	5.57	0.00
27.90	5.81	5.57	0.00	30.50	5.81	5.57	0.00
27.95	5.81	5.57	0.00	30.55	5.81	5.57	0.00
28.00	5.81	5.57	0.00	30.60	5.81	5.57	0.00
28.05	5.81	5.57	0.00	30.65	5.81	5.57	0.00
28.10	5.81	5.57	0.00	30.70	5.81	5.57	0.00
28.15	5.81	5.57	0.00	30.75	5.81	5.57	0.00
28.20	5.81	5.57	0.00	30.80	5.81	5.57	0.00
28.25	5.81	5.57	0.00	30.85	5.81	5.57	0.00
28.30	5.81	5.57	0.00	30.90	5.81	5.57	0.00
28.35	5.81	5.57	0.00	30.95	5.81	5.57	0.00
28.40	5.81	5.57	0.00	31.00	5.81	5.57	0.00
28.45	5.81	5.57	0.00	31.05	5.81	5.57	0.00
28.50	5.81	5.57	0.00	31.10	5.81	5.57	0.00
28.55	5.81	5.57	0.00	31.15	5.81	5.57	0.00

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	5.57	0.00	33.80	5.81	5.57	0.00
31.25	5.81	5.57	0.00	33.85	5.81	5.57	0.00
31.30	5.81	5.57	0.00	33.90	5.81	5.57	0.00
31.35	5.81	5.57	0.00	33.95	5.81	5.57	0.00
31.40	5.81	5.57	0.00	34.00	5.81	5.57	0.00
31.45	5.81	5.57	0.00	34.05	5.81	5.57	0.00
31.50	5.81	5.57	0.00	34.10	5.81	5.57	0.00
31.55	5.81	5.57	0.00	34.15	5.81	5.57	0.00
31.60	5.81	5.57	0.00	34.20	5.81	5.57	0.00
31.65	5.81	5.57	0.00	34.25	5.81	5.57	0.00
31.70	5.81	5.57	0.00	34.30	5.81	5.57	0.00
31.75	5.81	5.57	0.00	34.35	5.81	5.57	0.00
31.80	5.81	5.57	0.00	34.40	5.81	5.57	0.00
31.85	5.81	5.57	0.00	34.45	5.81	5.57	0.00
31.90	5.81	5.57	0.00	34.50	5.81	5.57	0.00
31.95	5.81	5.57	0.00	34.55	5.81	5.57	0.00
32.00	5.81	5.57	0.00	34.60	5.81	5.57	0.00
32.05	5.81	5.57	0.00	34.65	5.81	5.57	0.00
32.10	5.81	5.57	0.00	34.70	5.81	5.57	0.00
32.15	5.81	5.57	0.00	34.75	5.81	5.57	0.00
32.20	5.81	5.57	0.00	34.80	5.81	5.57	0.00
32.25	5.81	5.57	0.00	34.85	5.81	5.57	0.00
32.30	5.81	5.57	0.00	34.90	5.81	5.57	0.00
32.35	5.81	5.57	0.00	34.95	5.81	5.57	0.00
32.40	5.81	5.57	0.00	35.00	5.81	5.57	0.00
32.45	5.81	5.57	0.00	35.05	5.81	5.57	0.00
32.50	5.81	5.57	0.00	35.10	5.81	5.57	0.00
32.55	5.81	5.57	0.00	35.15	5.81	5.57	0.00
32.60	5.81	5.57	0.00	35.20	5.81	5.57	0.00
32.65	5.81	5.57	0.00	35.25	5.81	5.57	0.00
32.70	5.81	5.57	0.00	35.30	5.81	5.57	0.00
32.75	5.81	5.57	0.00	35.35	5.81	5.57	0.00
32.80	5.81	5.57	0.00	35.40	5.81	5.57	0.00
32.85	5.81	5.57	0.00	35.45	5.81	5.57	0.00
32.90	5.81	5.57	0.00	35.50	5.81	5.57	0.00
32.95	5.81	5.57	0.00	35.55	5.81	5.57	0.00
33.00	5.81	5.57	0.00	35.60	5.81	5.57	0.00
33.05	5.81	5.57	0.00	35.65	5.81	5.57	0.00
33.10	5.81	5.57	0.00	35.70	5.81	5.57	0.00
33.15	5.81	5.57	0.00	35.75	5.81	5.57	0.00
33.20	5.81	5.57	0.00	35.80	5.81	5.57	0.00
33.25	5.81	5.57	0.00	35.85	5.81	5.57	0.00
33.30	5.81	5.57	0.00	35.90	5.81	5.57	0.00
33.35	5.81	5.57	0.00	35.95	5.81	5.57	0.00
33.40	5.81	5.57	0.00	36.00	5.81	5.57	0.00
33.45	5.81	5.57	0.00	36.05	5.81	5.57	0.00
33.50	5.81	5.57	0.00	36.10	5.81	5.57	0.00
33.55	5.81	5.57	0.00	36.15	5.81	5.57	0.00
33.60	5.81	5.57	0.00	36.20	5.81	5.57	0.00
33.65	5.81	5.57	0.00	36.25	5.81	5.57	0.00
33.70	5.81	5.57	0.00	36.30	5.81	5.57	0.00
33.75	5.81	5.57	0.00	36.35	5.81	5.57	0.00

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	5.57	0.00
36.45	5.81	5.57	0.00
36.50	5.81	5.57	0.00
36.55	5.81	5.57	0.00
36.60	5.81	5.57	0.00
36.65	5.81	5.57	0.00
36.70	5.81	5.57	0.00
36.75	5.81	5.57	0.00
36.80	5.81	5.57	0.00
36.85	5.81	5.57	0.00
36.90	5.81	5.57	0.00
36.95	5.81	5.57	0.00
37.00	5.81	5.57	0.00
37.05	5.81	5.57	0.00
37.10	5.81	5.57	0.00
37.15	5.81	5.57	0.00
37.20	5.81	5.57	0.00
37.25	5.81	5.57	0.00
37.30	5.81	5.57	0.00
37.35	5.81	5.57	0.00
37.40	5.81	5.57	0.00
37.45	5.81	5.57	0.00
37.50	5.81	5.57	0.00
37.55	5.81	5.57	0.00
37.60	5.81	5.57	0.00
37.65	5.81	5.57	0.00
37.70	5.81	5.57	0.00
37.75	5.81	5.57	0.00
37.80	5.81	5.57	0.00
37.85	5.81	5.57	0.00
37.90	5.81	5.57	0.00
37.95	5.81	5.57	0.00
38.00	5.81	5.57	0.00
38.05	5.81	5.57	0.00
38.10	5.81	5.57	0.00
38.15	5.81	5.57	0.00
38.20	5.81	5.57	0.00
38.25	5.81	5.57	0.00
38.30	5.81	5.57	0.00
38.35	5.81	5.57	0.00
38.40	5.81	5.57	0.00
38.45	5.81	5.57	0.00
38.50	5.81	5.57	0.00
38.55	5.81	5.57	0.00
38.60	5.81	5.57	0.00
38.65	5.81	5.57	0.00
38.70	5.81	5.57	0.00
38.75	5.81	5.57	0.00
38.80	5.81	5.57	0.00
38.85	5.81	5.57	0.00
38.90	5.81	5.57	0.00
38.95	5.81	5.57	0.00
39.00	5.81	5.57	0.00
39.05	5.81	5.57	0.00
39.10	5.81	5.57	0.00
39.15	5.81	5.57	0.00
39.20	5.81	5.57	0.00
39.25	5.81	5.57	0.00
39.30	5.81	5.57	0.00
39.35	5.81	5.57	0.00
39.40	5.81	5.57	0.00
39.45	5.81	5.57	0.00
39.50	5.81	5.57	0.00
39.55	5.81	5.57	0.00
39.60	5.81	5.57	0.00
39.65	5.81	5.57	0.00
39.70	5.81	5.57	0.00
39.75	5.81	5.57	0.00
39.80	5.81	5.57	0.00
39.85	5.81	5.57	0.00
39.90	5.81	5.57	0.00
39.95	5.81	5.57	0.00
40.00	5.81	5.57	0.00

Summary for Subcatchment 55P: PDA-55 (pervious)

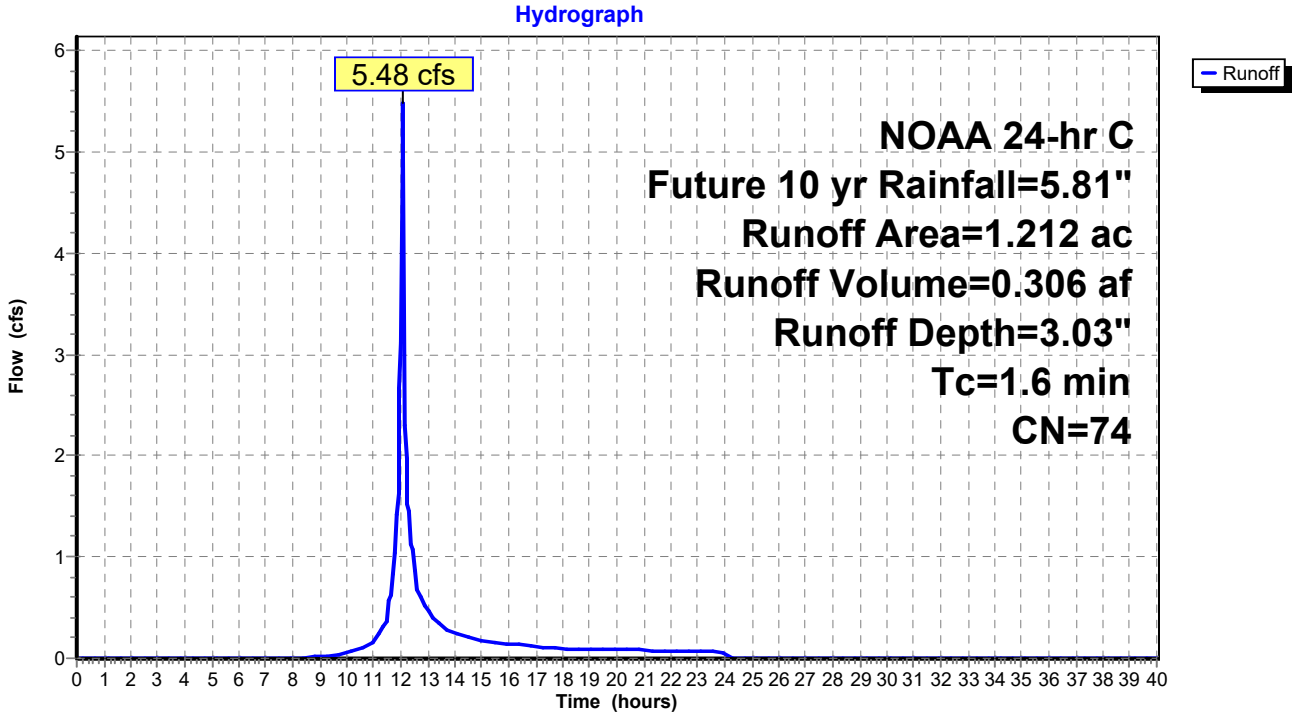
Runoff = 5.48 cfs @ 12.08 hrs, Volume= 0.306 af, Depth= 3.03"
Routed to Pond B-55 : Basin #55

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
1.212	74	>75% Grass cover, Good, HSG C
1.212		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.6					**Direct Entry,**

Subcatchment 55P: PDA-55 (pervious)



Hydrograph for Subcatchment 55P: PDA-55 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.00
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.01
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.01
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.01
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.01
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.01
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.01
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.01
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.01
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.01
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.01
6.35	0.50	0.00	0.00	8.95	0.84	0.01	0.01
6.40	0.50	0.00	0.00	9.00	0.85	0.01	0.02
6.45	0.51	0.00	0.00	9.05	0.86	0.01	0.02
6.50	0.51	0.00	0.00	9.10	0.87	0.01	0.02
6.55	0.52	0.00	0.00	9.15	0.87	0.01	0.02
6.60	0.52	0.00	0.00	9.20	0.88	0.01	0.02
6.65	0.53	0.00	0.00	9.25	0.89	0.01	0.02
6.70	0.53	0.00	0.00	9.30	0.90	0.01	0.02
6.75	0.54	0.00	0.00	9.35	0.91	0.01	0.03
6.80	0.54	0.00	0.00	9.40	0.92	0.01	0.03
6.85	0.55	0.00	0.00	9.45	0.93	0.01	0.03
6.90	0.56	0.00	0.00	9.50	0.94	0.02	0.03
6.95	0.56	0.00	0.00	9.55	0.95	0.02	0.03
7.00	0.57	0.00	0.00	9.60	0.96	0.02	0.03
7.05	0.57	0.00	0.00	9.65	0.98	0.02	0.04
7.10	0.58	0.00	0.00	9.70	0.99	0.02	0.04
7.15	0.58	0.00	0.00	9.75	1.00	0.02	0.04
7.20	0.59	0.00	0.00	9.80	1.01	0.02	0.04
7.25	0.60	0.00	0.00	9.85	1.02	0.03	0.05
7.30	0.60	0.00	0.00	9.90	1.03	0.03	0.05
7.35	0.61	0.00	0.00	9.95	1.05	0.03	0.05
7.40	0.62	0.00	0.00	10.00	1.06	0.03	0.05
7.45	0.62	0.00	0.00	10.05	1.07	0.04	0.06
7.50	0.63	0.00	0.00	10.10	1.09	0.04	0.06
7.55	0.64	0.00	0.00	10.15	1.10	0.04	0.06
7.60	0.64	0.00	0.00	10.20	1.11	0.04	0.06
7.65	0.65	0.00	0.00	10.25	1.13	0.05	0.07
7.70	0.65	0.00	0.00	10.30	1.14	0.05	0.07
7.75	0.66	0.00	0.00	10.35	1.15	0.05	0.07

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.05	0.08	13.00	4.42	1.91	0.48
10.45	1.18	0.06	0.08	13.05	4.44	1.93	0.44
10.50	1.20	0.06	0.08	13.10	4.46	1.94	0.43
10.55	1.21	0.06	0.09	13.15	4.48	1.96	0.40
10.60	1.23	0.07	0.10	13.20	4.50	1.98	0.40
10.65	1.25	0.07	0.11	13.25	4.52	1.99	0.37
10.70	1.27	0.08	0.11	13.30	4.54	2.01	0.37
10.75	1.29	0.08	0.12	13.35	4.56	2.02	0.34
10.80	1.31	0.09	0.13	13.40	4.58	2.03	0.34
10.85	1.33	0.09	0.14	13.45	4.60	2.05	0.31
10.90	1.35	0.10	0.15	13.50	4.61	2.06	0.31
10.95	1.37	0.11	0.16	13.55	4.63	2.07	0.28
11.00	1.39	0.11	0.17	13.60	4.64	2.08	0.28
11.05	1.42	0.12	0.19	13.65	4.66	2.09	0.27
11.10	1.45	0.13	0.20	13.70	4.67	2.10	0.27
11.15	1.48	0.14	0.23	13.75	4.68	2.12	0.26
11.20	1.51	0.15	0.24	13.80	4.70	2.13	0.26
11.25	1.54	0.16	0.27	13.85	4.71	2.14	0.26
11.30	1.57	0.17	0.28	13.90	4.72	2.15	0.26
11.35	1.61	0.18	0.31	13.95	4.74	2.16	0.25
11.40	1.64	0.20	0.33	14.00	4.75	2.17	0.25
11.45	1.68	0.21	0.35	14.05	4.76	2.18	0.24
11.50	1.72	0.23	0.38	14.10	4.78	2.19	0.24
11.55	1.78	0.25	0.56	14.15	4.79	2.20	0.23
11.60	1.83	0.28	0.61	14.20	4.80	2.21	0.23
11.65	1.90	0.30	0.66	14.25	4.81	2.21	0.22
11.70	1.96	0.33	0.70	14.30	4.82	2.22	0.22
11.75	2.04	0.37	0.94	14.35	4.83	2.23	0.22
11.80	2.13	0.41	1.04	14.40	4.85	2.24	0.21
11.85	2.25	0.47	1.42	14.45	4.86	2.25	0.21
11.90	2.36	0.53	1.62	14.50	4.87	2.26	0.21
11.95	2.57	0.65	2.67	14.55	4.88	2.27	0.20
12.00	2.77	0.77	3.11	14.60	4.89	2.27	0.20
12.05	3.11	0.98	5.02	14.65	4.90	2.28	0.19
12.10	3.45	1.20	**5.18**	14.70	4.91	2.29	0.19
12.15	3.56	1.28	2.30	14.75	4.92	2.30	0.18
12.20	3.68	1.37	1.97	14.80	4.93	2.31	0.18
12.25	3.77	1.43	1.52	14.85	4.94	2.31	0.18
12.30	3.85	1.49	1.45	14.90	4.94	2.32	0.17
12.35	3.91	1.53	1.13	14.95	4.95	2.33	0.17
12.40	3.98	1.58	1.10	15.00	4.96	2.33	0.17
12.45	4.03	1.62	1.06	15.05	4.97	2.34	0.16
12.50	4.09	1.67	1.03	15.10	4.98	2.35	0.16
12.55	4.13	1.69	0.72	15.15	4.99	2.35	0.16
12.60	4.17	1.72	0.69	15.20	4.99	2.36	0.16
12.65	4.20	1.75	0.65	15.25	5.00	2.37	0.15
12.70	4.24	1.77	0.65	15.30	5.01	2.37	0.15
12.75	4.27	1.80	0.60	15.35	5.02	2.38	0.15
12.80	4.30	1.82	0.59	15.40	5.03	2.38	0.15
12.85	4.33	1.85	0.55	15.45	5.03	2.39	0.15
12.90	4.36	1.87	0.54	15.50	5.04	2.40	0.15
12.95	4.39	1.89	0.49	15.55	5.05	2.40	0.15

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	2.41	0.15	18.20	5.37	2.66	0.09
15.65	5.06	2.41	0.15	18.25	5.37	2.67	0.09
15.70	5.07	2.42	0.15	18.30	5.38	2.67	0.09
15.75	5.08	2.43	0.14	18.35	5.38	2.67	0.09
15.80	5.09	2.43	0.14	18.40	5.39	2.68	0.09
15.85	5.09	2.44	0.14	18.45	5.39	2.68	0.09
15.90	5.10	2.44	0.14	18.50	5.40	2.68	0.09
15.95	5.11	2.45	0.14	18.55	5.40	2.69	0.09
16.00	5.11	2.46	0.14	18.60	5.40	2.69	0.09
16.05	5.12	2.46	0.14	18.65	5.41	2.69	0.09
16.10	5.13	2.47	0.14	18.70	5.41	2.70	0.09
16.15	5.13	2.47	0.14	18.75	5.42	2.70	0.09
16.20	5.14	2.48	0.14	18.80	5.42	2.71	0.09
16.25	5.15	2.48	0.13	18.85	5.43	2.71	0.09
16.30	5.16	2.49	0.13	18.90	5.43	2.71	0.09
16.35	5.16	2.49	0.13	18.95	5.44	2.72	0.09
16.40	5.17	2.50	0.13	19.00	5.44	2.72	0.09
16.45	5.17	2.50	0.13	19.05	5.44	2.72	0.09
16.50	5.18	2.51	0.13	19.10	5.45	2.73	0.09
16.55	5.19	2.52	0.13	19.15	5.45	2.73	0.09
16.60	5.19	2.52	0.13	19.20	5.46	2.73	0.09
16.65	5.20	2.53	0.12	19.25	5.46	2.74	0.09
16.70	5.21	2.53	0.12	19.30	5.47	2.74	0.09
16.75	5.21	2.54	0.12	19.35	5.47	2.75	0.09
16.80	5.22	2.54	0.12	19.40	5.48	2.75	0.09
16.85	5.23	2.55	0.12	19.45	5.48	2.75	0.09
16.90	5.23	2.55	0.12	19.50	5.48	2.76	0.09
16.95	5.24	2.55	0.12	19.55	5.49	2.76	0.09
17.00	5.24	2.56	0.12	19.60	5.49	2.76	0.09
17.05	5.25	2.56	0.12	19.65	5.50	2.77	0.08
17.10	5.25	2.57	0.12	19.70	5.50	2.77	0.08
17.15	5.26	2.57	0.11	19.75	5.50	2.77	0.08
17.20	5.27	2.58	0.11	19.80	5.51	2.78	0.08
17.25	5.27	2.58	0.11	19.85	5.51	2.78	0.08
17.30	5.28	2.59	0.11	19.90	5.52	2.78	0.08
17.35	5.28	2.59	0.11	19.95	5.52	2.79	0.08
17.40	5.29	2.60	0.11	20.00	5.53	2.79	0.08
17.45	5.29	2.60	0.11	20.05	5.53	2.79	0.08
17.50	5.30	2.61	0.11	20.10	5.53	2.80	0.08
17.55	5.30	2.61	0.10	20.15	5.54	2.80	0.08
17.60	5.31	2.61	0.10	20.20	5.54	2.80	0.08
17.65	5.31	2.62	0.10	20.25	5.55	2.81	0.08
17.70	5.32	2.62	0.10	20.30	5.55	2.81	0.08
17.75	5.33	2.63	0.10	20.35	5.55	2.81	0.08
17.80	5.33	2.63	0.10	20.40	5.56	2.82	0.08
17.85	5.34	2.63	0.10	20.45	5.56	2.82	0.08
17.90	5.34	2.64	0.10	20.50	5.57	2.82	0.08
17.95	5.34	2.64	0.10	20.55	5.57	2.83	0.08
18.00	5.35	2.65	0.10	20.60	5.57	2.83	0.08
18.05	5.35	2.65	0.09	20.65	5.58	2.83	0.08
18.10	5.36	2.65	0.09	20.70	5.58	2.84	0.08
18.15	5.36	2.66	0.09	20.75	5.59	2.84	0.08

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.84	0.08	23.40	5.77	2.99	0.06
20.85	5.59	2.85	0.08	23.45	5.78	3.00	0.06
20.90	5.60	2.85	0.08	23.50	5.78	3.00	0.06
20.95	5.60	2.85	0.08	23.55	5.78	3.00	0.06
21.00	5.61	2.86	0.08	23.60	5.78	3.00	0.06
21.05	5.61	2.86	0.08	23.65	5.79	3.01	0.06
21.10	5.61	2.86	0.08	23.70	5.79	3.01	0.06
21.15	5.62	2.87	0.08	23.75	5.79	3.01	0.06
21.20	5.62	2.87	0.08	23.80	5.80	3.01	0.06
21.25	5.62	2.87	0.08	23.85	5.80	3.02	0.06
21.30	5.63	2.87	0.08	23.90	5.80	3.02	0.06
21.35	5.63	2.88	0.08	23.95	5.81	3.02	0.07
21.40	5.64	2.88	0.08	24.00	**5.81**	**3.03**	0.07
21.45	5.64	2.88	0.07	24.05	5.81	3.03	0.01
21.50	5.64	2.89	0.07	24.10	5.81	3.03	0.00
21.55	5.65	2.89	0.07	24.15	5.81	3.03	0.00
21.60	5.65	2.89	0.07	24.20	5.81	3.03	0.00
21.65	5.65	2.90	0.07	24.25	5.81	3.03	0.00
21.70	5.66	2.90	0.07	24.30	5.81	3.03	0.00
21.75	5.66	2.90	0.07	24.35	5.81	3.03	0.00
21.80	5.66	2.90	0.07	24.40	5.81	3.03	0.00
21.85	5.67	2.91	0.07	24.45	5.81	3.03	0.00
21.90	5.67	2.91	0.07	24.50	5.81	3.03	0.00
21.95	5.68	2.91	0.07	24.55	5.81	3.03	0.00
22.00	5.68	2.92	0.07	24.60	5.81	3.03	0.00
22.05	5.68	2.92	0.07	24.65	5.81	3.03	0.00
22.10	5.69	2.92	0.07	24.70	5.81	3.03	0.00
22.15	5.69	2.93	0.07	24.75	5.81	3.03	0.00
22.20	5.69	2.93	0.07	24.80	5.81	3.03	0.00
22.25	5.70	2.93	0.07	24.85	5.81	3.03	0.00
22.30	5.70	2.93	0.07	24.90	5.81	3.03	0.00
22.35	5.70	2.94	0.07	24.95	5.81	3.03	0.00
22.40	5.71	2.94	0.07	25.00	5.81	3.03	0.00
22.45	5.71	2.94	0.07	25.05	5.81	3.03	0.00
22.50	5.71	2.95	0.07	25.10	5.81	3.03	0.00
22.55	5.72	2.95	0.07	25.15	5.81	3.03	0.00
22.60	5.72	2.95	0.07	25.20	5.81	3.03	0.00
22.65	5.72	2.95	0.07	25.25	5.81	3.03	0.00
22.70	5.73	2.96	0.07	25.30	5.81	3.03	0.00
22.75	5.73	2.96	0.07	25.35	5.81	3.03	0.00
22.80	5.73	2.96	0.07	25.40	5.81	3.03	0.00
22.85	5.74	2.96	0.07	25.45	5.81	3.03	0.00
22.90	5.74	2.97	0.07	25.50	5.81	3.03	0.00
22.95	5.74	2.97	0.07	25.55	5.81	3.03	0.00
23.00	5.75	2.97	0.07	25.60	5.81	3.03	0.00
23.05	5.75	2.98	0.07	25.65	5.81	3.03	0.00
23.10	5.75	2.98	0.07	25.70	5.81	3.03	0.00
23.15	5.76	2.98	0.07	25.75	5.81	3.03	0.00
23.20	5.76	2.98	0.06	25.80	5.81	3.03	0.00
23.25	5.76	2.99	0.06	25.85	5.81	3.03	0.00
23.30	5.77	2.99	0.06	25.90	5.81	3.03	0.00
23.35	5.77	2.99	0.06	25.95	5.81	3.03	0.00

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	3.03	0.00	28.60	5.81	3.03	0.00
26.05	5.81	3.03	0.00	28.65	5.81	3.03	0.00
26.10	5.81	3.03	0.00	28.70	5.81	3.03	0.00
26.15	5.81	3.03	0.00	28.75	5.81	3.03	0.00
26.20	5.81	3.03	0.00	28.80	5.81	3.03	0.00
26.25	5.81	3.03	0.00	28.85	5.81	3.03	0.00
26.30	5.81	3.03	0.00	28.90	5.81	3.03	0.00
26.35	5.81	3.03	0.00	28.95	5.81	3.03	0.00
26.40	5.81	3.03	0.00	29.00	5.81	3.03	0.00
26.45	5.81	3.03	0.00	29.05	5.81	3.03	0.00
26.50	5.81	3.03	0.00	29.10	5.81	3.03	0.00
26.55	5.81	3.03	0.00	29.15	5.81	3.03	0.00
26.60	5.81	3.03	0.00	29.20	5.81	3.03	0.00
26.65	5.81	3.03	0.00	29.25	5.81	3.03	0.00
26.70	5.81	3.03	0.00	29.30	5.81	3.03	0.00
26.75	5.81	3.03	0.00	29.35	5.81	3.03	0.00
26.80	5.81	3.03	0.00	29.40	5.81	3.03	0.00
26.85	5.81	3.03	0.00	29.45	5.81	3.03	0.00
26.90	5.81	3.03	0.00	29.50	5.81	3.03	0.00
26.95	5.81	3.03	0.00	29.55	5.81	3.03	0.00
27.00	5.81	3.03	0.00	29.60	5.81	3.03	0.00
27.05	5.81	3.03	0.00	29.65	5.81	3.03	0.00
27.10	5.81	3.03	0.00	29.70	5.81	3.03	0.00
27.15	5.81	3.03	0.00	29.75	5.81	3.03	0.00
27.20	5.81	3.03	0.00	29.80	5.81	3.03	0.00
27.25	5.81	3.03	0.00	29.85	5.81	3.03	0.00
27.30	5.81	3.03	0.00	29.90	5.81	3.03	0.00
27.35	5.81	3.03	0.00	29.95	5.81	3.03	0.00
27.40	5.81	3.03	0.00	30.00	5.81	3.03	0.00
27.45	5.81	3.03	0.00	30.05	5.81	3.03	0.00
27.50	5.81	3.03	0.00	30.10	5.81	3.03	0.00
27.55	5.81	3.03	0.00	30.15	5.81	3.03	0.00
27.60	5.81	3.03	0.00	30.20	5.81	3.03	0.00
27.65	5.81	3.03	0.00	30.25	5.81	3.03	0.00
27.70	5.81	3.03	0.00	30.30	5.81	3.03	0.00
27.75	5.81	3.03	0.00	30.35	5.81	3.03	0.00
27.80	5.81	3.03	0.00	30.40	5.81	3.03	0.00
27.85	5.81	3.03	0.00	30.45	5.81	3.03	0.00
27.90	5.81	3.03	0.00	30.50	5.81	3.03	0.00
27.95	5.81	3.03	0.00	30.55	5.81	3.03	0.00
28.00	5.81	3.03	0.00	30.60	5.81	3.03	0.00
28.05	5.81	3.03	0.00	30.65	5.81	3.03	0.00
28.10	5.81	3.03	0.00	30.70	5.81	3.03	0.00
28.15	5.81	3.03	0.00	30.75	5.81	3.03	0.00
28.20	5.81	3.03	0.00	30.80	5.81	3.03	0.00
28.25	5.81	3.03	0.00	30.85	5.81	3.03	0.00
28.30	5.81	3.03	0.00	30.90	5.81	3.03	0.00
28.35	5.81	3.03	0.00	30.95	5.81	3.03	0.00
28.40	5.81	3.03	0.00	31.00	5.81	3.03	0.00
28.45	5.81	3.03	0.00	31.05	5.81	3.03	0.00
28.50	5.81	3.03	0.00	31.10	5.81	3.03	0.00
28.55	5.81	3.03	0.00	31.15	5.81	3.03	0.00

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	3.03	0.00	33.80	5.81	3.03	0.00
31.25	5.81	3.03	0.00	33.85	5.81	3.03	0.00
31.30	5.81	3.03	0.00	33.90	5.81	3.03	0.00
31.35	5.81	3.03	0.00	33.95	5.81	3.03	0.00
31.40	5.81	3.03	0.00	34.00	5.81	3.03	0.00
31.45	5.81	3.03	0.00	34.05	5.81	3.03	0.00
31.50	5.81	3.03	0.00	34.10	5.81	3.03	0.00
31.55	5.81	3.03	0.00	34.15	5.81	3.03	0.00
31.60	5.81	3.03	0.00	34.20	5.81	3.03	0.00
31.65	5.81	3.03	0.00	34.25	5.81	3.03	0.00
31.70	5.81	3.03	0.00	34.30	5.81	3.03	0.00
31.75	5.81	3.03	0.00	34.35	5.81	3.03	0.00
31.80	5.81	3.03	0.00	34.40	5.81	3.03	0.00
31.85	5.81	3.03	0.00	34.45	5.81	3.03	0.00
31.90	5.81	3.03	0.00	34.50	5.81	3.03	0.00
31.95	5.81	3.03	0.00	34.55	5.81	3.03	0.00
32.00	5.81	3.03	0.00	34.60	5.81	3.03	0.00
32.05	5.81	3.03	0.00	34.65	5.81	3.03	0.00
32.10	5.81	3.03	0.00	34.70	5.81	3.03	0.00
32.15	5.81	3.03	0.00	34.75	5.81	3.03	0.00
32.20	5.81	3.03	0.00	34.80	5.81	3.03	0.00
32.25	5.81	3.03	0.00	34.85	5.81	3.03	0.00
32.30	5.81	3.03	0.00	34.90	5.81	3.03	0.00
32.35	5.81	3.03	0.00	34.95	5.81	3.03	0.00
32.40	5.81	3.03	0.00	35.00	5.81	3.03	0.00
32.45	5.81	3.03	0.00	35.05	5.81	3.03	0.00
32.50	5.81	3.03	0.00	35.10	5.81	3.03	0.00
32.55	5.81	3.03	0.00	35.15	5.81	3.03	0.00
32.60	5.81	3.03	0.00	35.20	5.81	3.03	0.00
32.65	5.81	3.03	0.00	35.25	5.81	3.03	0.00
32.70	5.81	3.03	0.00	35.30	5.81	3.03	0.00
32.75	5.81	3.03	0.00	35.35	5.81	3.03	0.00
32.80	5.81	3.03	0.00	35.40	5.81	3.03	0.00
32.85	5.81	3.03	0.00	35.45	5.81	3.03	0.00
32.90	5.81	3.03	0.00	35.50	5.81	3.03	0.00
32.95	5.81	3.03	0.00	35.55	5.81	3.03	0.00
33.00	5.81	3.03	0.00	35.60	5.81	3.03	0.00
33.05	5.81	3.03	0.00	35.65	5.81	3.03	0.00
33.10	5.81	3.03	0.00	35.70	5.81	3.03	0.00
33.15	5.81	3.03	0.00	35.75	5.81	3.03	0.00
33.20	5.81	3.03	0.00	35.80	5.81	3.03	0.00
33.25	5.81	3.03	0.00	35.85	5.81	3.03	0.00
33.30	5.81	3.03	0.00	35.90	5.81	3.03	0.00
33.35	5.81	3.03	0.00	35.95	5.81	3.03	0.00
33.40	5.81	3.03	0.00	36.00	5.81	3.03	0.00
33.45	5.81	3.03	0.00	36.05	5.81	3.03	0.00
33.50	5.81	3.03	0.00	36.10	5.81	3.03	0.00
33.55	5.81	3.03	0.00	36.15	5.81	3.03	0.00
33.60	5.81	3.03	0.00	36.20	5.81	3.03	0.00
33.65	5.81	3.03	0.00	36.25	5.81	3.03	0.00
33.70	5.81	3.03	0.00	36.30	5.81	3.03	0.00
33.75	5.81	3.03	0.00	36.35	5.81	3.03	0.00

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	3.03	0.00
36.45	5.81	3.03	0.00
36.50	5.81	3.03	0.00
36.55	5.81	3.03	0.00
36.60	5.81	3.03	0.00
36.65	5.81	3.03	0.00
36.70	5.81	3.03	0.00
36.75	5.81	3.03	0.00
36.80	5.81	3.03	0.00
36.85	5.81	3.03	0.00
36.90	5.81	3.03	0.00
36.95	5.81	3.03	0.00
37.00	5.81	3.03	0.00
37.05	5.81	3.03	0.00
37.10	5.81	3.03	0.00
37.15	5.81	3.03	0.00
37.20	5.81	3.03	0.00
37.25	5.81	3.03	0.00
37.30	5.81	3.03	0.00
37.35	5.81	3.03	0.00
37.40	5.81	3.03	0.00
37.45	5.81	3.03	0.00
37.50	5.81	3.03	0.00
37.55	5.81	3.03	0.00
37.60	5.81	3.03	0.00
37.65	5.81	3.03	0.00
37.70	5.81	3.03	0.00
37.75	5.81	3.03	0.00
37.80	5.81	3.03	0.00
37.85	5.81	3.03	0.00
37.90	5.81	3.03	0.00
37.95	5.81	3.03	0.00
38.00	5.81	3.03	0.00
38.05	5.81	3.03	0.00
38.10	5.81	3.03	0.00
38.15	5.81	3.03	0.00
38.20	5.81	3.03	0.00
38.25	5.81	3.03	0.00
38.30	5.81	3.03	0.00
38.35	5.81	3.03	0.00
38.40	5.81	3.03	0.00
38.45	5.81	3.03	0.00
38.50	5.81	3.03	0.00
38.55	5.81	3.03	0.00
38.60	5.81	3.03	0.00
38.65	5.81	3.03	0.00
38.70	5.81	3.03	0.00
38.75	5.81	3.03	0.00
38.80	5.81	3.03	0.00
38.85	5.81	3.03	0.00
38.90	5.81	3.03	0.00
38.95	5.81	3.03	0.00
39.00	5.81	3.03	0.00
39.05	5.81	3.03	0.00
39.10	5.81	3.03	0.00
39.15	5.81	3.03	0.00
39.20	5.81	3.03	0.00
39.25	5.81	3.03	0.00
39.30	5.81	3.03	0.00
39.35	5.81	3.03	0.00
39.40	5.81	3.03	0.00
39.45	5.81	3.03	0.00
39.50	5.81	3.03	0.00
39.55	5.81	3.03	0.00
39.60	5.81	3.03	0.00
39.65	5.81	3.03	0.00
39.70	5.81	3.03	0.00
39.75	5.81	3.03	0.00
39.80	5.81	3.03	0.00
39.85	5.81	3.03	0.00
39.90	5.81	3.03	0.00
39.95	5.81	3.03	0.00
40.00	5.81	3.03	0.00

Summary for Subcatchment 56l: PDA-56 (impervious)

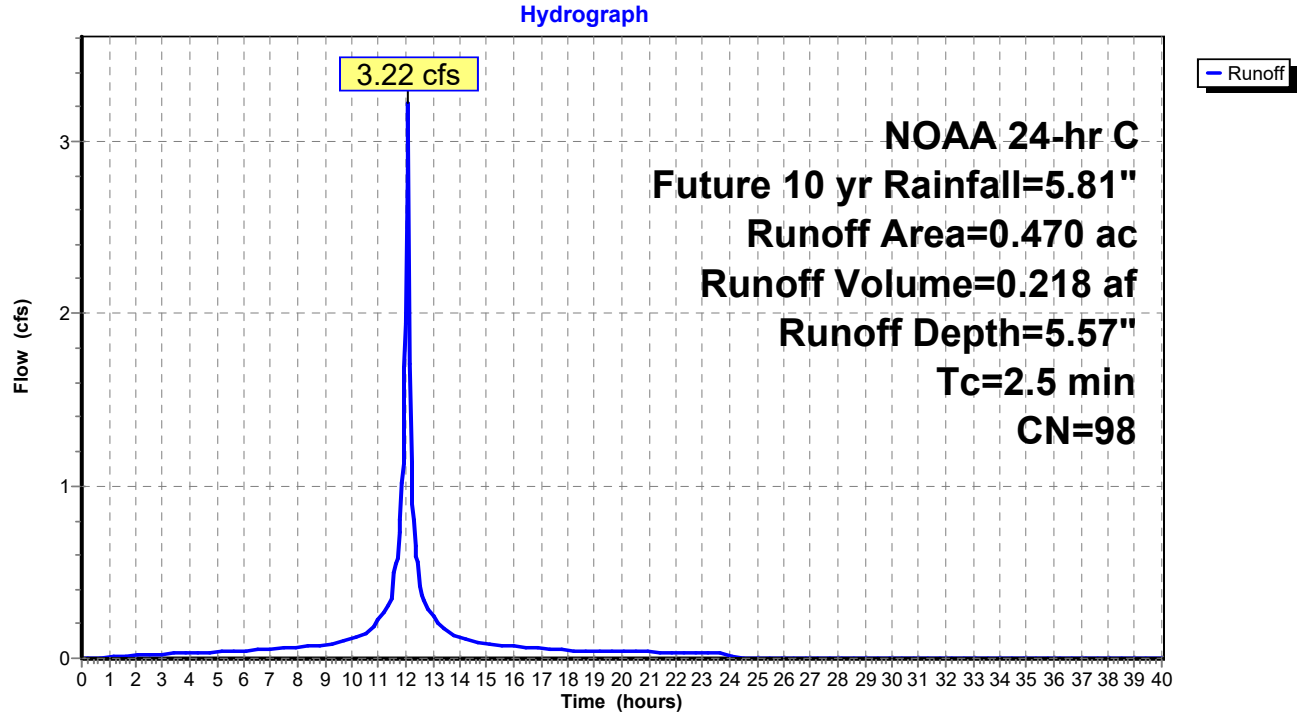
Runoff = 3.22 cfs @ 12.08 hrs, Volume= 0.218 af, Depth= 5.57"
Routed to Pond B-56 : Basin #56

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

	Area (ac)	CN	Description
*	0.470	98	Roof, HSG C
	0.470		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.5					**Direct Entry,**

Subcatchment 56l: PDA-56 (impervious)



Hydrograph for Subcatchment 56I: PDA-56 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.05	0.02
0.05	0.00	0.00	0.00	2.65	0.18	0.06	0.02
0.10	0.01	0.00	0.00	2.70	0.18	0.06	0.02
0.15	0.01	0.00	0.00	2.75	0.19	0.06	0.02
0.20	0.01	0.00	0.00	2.80	0.19	0.06	0.02
0.25	0.02	0.00	0.00	2.85	0.19	0.07	0.02
0.30	0.02	0.00	0.00	2.90	0.20	0.07	0.02
0.35	0.02	0.00	0.00	2.95	0.20	0.07	0.02
0.40	0.03	0.00	0.00	3.00	0.20	0.07	0.02
0.45	0.03	0.00	0.00	3.05	0.21	0.08	0.03
0.50	0.03	0.00	0.00	3.10	0.21	0.08	0.03
0.55	0.03	0.00	0.00	3.15	0.22	0.08	0.03
0.60	0.04	0.00	0.00	3.20	0.22	0.08	0.03
0.65	0.04	0.00	0.00	3.25	0.22	0.09	0.03
0.70	0.04	0.00	0.00	3.30	0.23	0.09	0.03
0.75	0.05	0.00	0.00	3.35	0.23	0.09	0.03
0.80	0.05	0.00	0.00	3.40	0.24	0.10	0.03
0.85	0.05	0.00	0.00	3.45	0.24	0.10	0.03
0.90	0.06	0.00	0.00	3.50	0.24	0.10	0.03
0.95	0.06	0.00	0.00	3.55	0.25	0.10	0.03
1.00	0.06	0.00	0.01	3.60	0.25	0.11	0.03
1.05	0.07	0.00	0.01	3.65	0.26	0.11	0.03
1.10	0.07	0.00	0.01	3.70	0.26	0.11	0.03
1.15	0.07	0.00	0.01	3.75	0.26	0.12	0.03
1.20	0.08	0.01	0.01	3.80	0.27	0.12	0.03
1.25	0.08	0.01	0.01	3.85	0.27	0.12	0.03
1.30	0.08	0.01	0.01	3.90	0.28	0.13	0.03
1.35	0.09	0.01	0.01	3.95	0.28	0.13	0.03
1.40	0.09	0.01	0.01	4.00	0.28	0.13	0.03
1.45	0.09	0.01	0.01	4.05	0.29	0.14	0.03
1.50	0.10	0.01	0.01	4.10	0.29	0.14	0.03
1.55	0.10	0.01	0.01	4.15	0.30	0.14	0.03
1.60	0.10	0.01	0.01	4.20	0.30	0.15	0.03
1.65	0.11	0.02	0.01	4.25	0.31	0.15	0.03
1.70	0.11	0.02	0.01	4.30	0.31	0.15	0.03
1.75	0.11	0.02	0.01	4.35	0.31	0.16	0.03
1.80	0.12	0.02	0.02	4.40	0.32	0.16	0.03
1.85	0.12	0.02	0.02	4.45	0.32	0.16	0.03
1.90	0.12	0.02	0.02	4.50	0.33	0.17	0.03
1.95	0.13	0.03	0.02	4.55	0.33	0.17	0.03
2.00	0.13	0.03	0.02	4.60	0.33	0.17	0.03
2.05	0.13	0.03	0.02	4.65	0.34	0.18	0.03
2.10	0.14	0.03	0.02	4.70	0.34	0.18	0.03
2.15	0.14	0.03	0.02	4.75	0.35	0.18	0.03
2.20	0.15	0.04	0.02	4.80	0.35	0.19	0.03
2.25	0.15	0.04	0.02	4.85	0.36	0.19	0.03
2.30	0.15	0.04	0.02	4.90	0.36	0.20	0.03
2.35	0.16	0.04	0.02	4.95	0.37	0.20	0.04
2.40	0.16	0.04	0.02	5.00	0.37	0.20	0.04
2.45	0.16	0.05	0.02	5.05	0.37	0.21	0.04
2.50	0.17	0.05	0.02	5.10	0.38	0.21	0.04
2.55	0.17	0.05	0.02	5.15	0.38	0.21	0.04

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.22	0.04	7.80	0.67	0.47	0.06
5.25	0.39	0.22	0.04	7.85	0.68	0.48	0.06
5.30	0.40	0.23	0.04	7.90	0.68	0.49	0.06
5.35	0.40	0.23	0.04	7.95	0.69	0.49	0.06
5.40	0.41	0.23	0.04	8.00	0.70	0.50	0.06
5.45	0.41	0.24	0.04	8.05	0.70	0.51	0.06
5.50	0.41	0.24	0.04	8.10	0.71	0.51	0.06
5.55	0.42	0.25	0.04	8.15	0.72	0.52	0.06
5.60	0.42	0.25	0.04	8.20	0.72	0.53	0.06
5.65	0.43	0.25	0.04	8.25	0.73	0.53	0.07
5.70	0.43	0.26	0.04	8.30	0.74	0.54	0.07
5.75	0.44	0.26	0.04	8.35	0.75	0.55	0.07
5.80	0.44	0.27	0.04	8.40	0.75	0.55	0.07
5.85	0.45	0.27	0.04	8.45	0.76	0.56	0.07
5.90	0.45	0.27	0.04	8.50	0.77	0.57	0.07
5.95	0.46	0.28	0.04	8.55	0.78	0.58	0.07
6.00	0.46	0.28	0.04	8.60	0.78	0.58	0.07
6.05	0.47	0.29	0.04	8.65	0.79	0.59	0.07
6.10	0.47	0.29	0.04	8.70	0.80	0.60	0.07
6.15	0.47	0.30	0.04	8.75	0.81	0.61	0.07
6.20	0.48	0.30	0.04	8.80	0.82	0.61	0.07
6.25	0.48	0.30	0.04	8.85	0.82	0.62	0.07
6.30	0.49	0.31	0.04	8.90	0.83	0.63	0.07
6.35	0.50	0.31	0.04	8.95	0.84	0.64	0.07
6.40	0.50	0.32	0.04	9.00	0.85	0.64	0.07
6.45	0.51	0.32	0.04	9.05	0.86	0.65	0.08
6.50	0.51	0.33	0.05	9.10	0.87	0.66	0.08
6.55	0.52	0.33	0.05	9.15	0.87	0.67	0.08
6.60	0.52	0.34	0.05	9.20	0.88	0.68	0.08
6.65	0.53	0.34	0.05	9.25	0.89	0.69	0.09
6.70	0.53	0.35	0.05	9.30	0.90	0.70	0.09
6.75	0.54	0.35	0.05	9.35	0.91	0.71	0.09
6.80	0.54	0.36	0.05	9.40	0.92	0.72	0.09
6.85	0.55	0.36	0.05	9.45	0.93	0.73	0.09
6.90	0.56	0.37	0.05	9.50	0.94	0.74	0.09
6.95	0.56	0.37	0.05	9.55	0.95	0.75	0.10
7.00	0.57	0.38	0.05	9.60	0.96	0.76	0.10
7.05	0.57	0.38	0.05	9.65	0.98	0.77	0.10
7.10	0.58	0.39	0.05	9.70	0.99	0.78	0.10
7.15	0.58	0.40	0.05	9.75	1.00	0.79	0.11
7.20	0.59	0.40	0.05	9.80	1.01	0.80	0.11
7.25	0.60	0.41	0.05	9.85	1.02	0.81	0.11
7.30	0.60	0.41	0.05	9.90	1.03	0.82	0.11
7.35	0.61	0.42	0.06	9.95	1.05	0.84	0.11
7.40	0.62	0.42	0.06	10.00	1.06	0.85	0.12
7.45	0.62	0.43	0.06	10.05	1.07	0.86	0.12
7.50	0.63	0.44	0.06	10.10	1.09	0.87	0.12
7.55	0.64	0.44	0.06	10.15	1.10	0.89	0.12
7.60	0.64	0.45	0.06	10.20	1.11	0.90	0.12
7.65	0.65	0.45	0.06	10.25	1.13	0.91	0.13
7.70	0.65	0.46	0.06	10.30	1.14	0.93	0.13
7.75	0.66	0.47	0.06	10.35	1.15	0.94	0.13

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.95	0.13	13.00	4.42	4.18	0.25
10.45	1.18	0.97	0.13	13.05	4.44	4.20	0.23
10.50	1.20	0.98	0.14	13.10	4.46	4.23	0.22
10.55	1.21	1.00	0.15	13.15	4.48	4.25	0.21
10.60	1.23	1.02	0.15	13.20	4.50	4.27	0.20
10.65	1.25	1.03	0.16	13.25	4.52	4.29	0.19
10.70	1.27	1.05	0.17	13.30	4.54	4.31	0.19
10.75	1.29	1.07	0.18	13.35	4.56	4.33	0.17
10.80	1.31	1.09	0.18	13.40	4.58	4.34	0.17
10.85	1.33	1.11	0.19	13.45	4.60	4.36	0.16
10.90	1.35	1.13	0.20	13.50	4.61	4.38	0.15
10.95	1.37	1.15	0.21	13.55	4.63	4.39	0.14
11.00	1.39	1.18	0.22	13.60	4.64	4.41	0.14
11.05	1.42	1.20	0.24	13.65	4.66	4.42	0.14
11.10	1.45	1.23	0.24	13.70	4.67	4.43	0.13
11.15	1.48	1.26	0.26	13.75	4.68	4.45	0.13
11.20	1.51	1.29	0.27	13.80	4.70	4.46	0.13
11.25	1.54	1.32	0.29	13.85	4.71	4.48	0.13
11.30	1.57	1.35	0.30	13.90	4.72	4.49	0.13
11.35	1.61	1.38	0.32	13.95	4.74	4.50	0.12
11.40	1.64	1.42	0.33	14.00	4.75	4.51	0.12
11.45	1.68	1.46	0.35	14.05	4.76	4.53	0.12
11.50	1.72	1.49	0.36	14.10	4.78	4.54	0.12
11.55	1.78	1.55	0.49	14.15	4.79	4.55	0.12
11.60	1.83	1.61	0.55	14.20	4.80	4.56	0.11
11.65	1.90	1.67	0.57	14.25	4.81	4.57	0.11
11.70	1.96	1.73	0.59	14.30	4.82	4.59	0.11
11.75	2.04	1.82	0.73	14.35	4.83	4.60	0.11
11.80	2.13	1.90	0.80	14.40	4.85	4.61	0.11
11.85	2.25	2.02	1.02	14.45	4.86	4.62	0.10
11.90	2.36	2.13	1.12	14.50	4.87	4.63	0.10
11.95	2.57	2.34	1.68	14.55	4.88	4.64	0.10
12.00	2.77	2.54	1.94	14.60	4.89	4.65	0.10
12.05	3.11	2.88	2.83	14.65	4.90	4.66	0.09
12.10	3.45	3.21	**3.13**	14.70	4.91	4.67	0.09
12.15	3.56	3.33	1.71	14.75	4.92	4.68	0.09
12.20	3.68	3.45	1.13	14.80	4.93	4.69	0.09
12.25	3.77	3.53	0.89	14.85	4.94	4.70	0.09
12.30	3.85	3.62	0.80	14.90	4.94	4.71	0.09
12.35	3.91	3.68	0.65	14.95	4.95	4.72	0.08
12.40	3.98	3.74	0.59	15.00	4.96	4.72	0.08
12.45	4.03	3.80	0.56	15.05	4.97	4.73	0.08
12.50	4.09	3.86	0.55	15.10	4.98	4.74	0.08
12.55	4.13	3.90	0.41	15.15	4.99	4.75	0.08
12.60	4.17	3.93	0.36	15.20	4.99	4.76	0.08
12.65	4.20	3.97	0.34	15.25	5.00	4.76	0.08
12.70	4.24	4.00	0.34	15.30	5.01	4.77	0.07
12.75	4.27	4.04	0.31	15.35	5.02	4.78	0.07
12.80	4.30	4.07	0.31	15.40	5.03	4.79	0.07
12.85	4.33	4.10	0.29	15.45	5.03	4.80	0.07
12.90	4.36	4.13	0.28	15.50	5.04	4.80	0.07
12.95	4.39	4.15	0.26	15.55	5.05	4.81	0.07

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	4.82	0.07	18.20	5.37	5.13	0.04
15.65	5.06	4.83	0.07	18.25	5.37	5.14	0.04
15.70	5.07	4.83	0.07	18.30	5.38	5.14	0.04
15.75	5.08	4.84	0.07	18.35	5.38	5.14	0.04
15.80	5.09	4.85	0.07	18.40	5.39	5.15	0.04
15.85	5.09	4.86	0.07	18.45	5.39	5.15	0.04
15.90	5.10	4.86	0.07	18.50	5.40	5.16	0.04
15.95	5.11	4.87	0.07	18.55	5.40	5.16	0.04
16.00	5.11	4.88	0.07	18.60	5.40	5.17	0.04
16.05	5.12	4.88	0.07	18.65	5.41	5.17	0.04
16.10	5.13	4.89	0.07	18.70	5.41	5.18	0.04
16.15	5.13	4.90	0.07	18.75	5.42	5.18	0.04
16.20	5.14	4.90	0.07	18.80	5.42	5.19	0.04
16.25	5.15	4.91	0.06	18.85	5.43	5.19	0.04
16.30	5.16	4.92	0.06	18.90	5.43	5.19	0.04
16.35	5.16	4.92	0.06	18.95	5.44	5.20	0.04
16.40	5.17	4.93	0.06	19.00	5.44	5.20	0.04
16.45	5.17	4.94	0.06	19.05	5.44	5.21	0.04
16.50	5.18	4.94	0.06	19.10	5.45	5.21	0.04
16.55	5.19	4.95	0.06	19.15	5.45	5.22	0.04
16.60	5.19	4.96	0.06	19.20	5.46	5.22	0.04
16.65	5.20	4.96	0.06	19.25	5.46	5.22	0.04
16.70	5.21	4.97	0.06	19.30	5.47	5.23	0.04
16.75	5.21	4.98	0.06	19.35	5.47	5.23	0.04
16.80	5.22	4.98	0.06	19.40	5.48	5.24	0.04
16.85	5.23	4.99	0.06	19.45	5.48	5.24	0.04
16.90	5.23	4.99	0.06	19.50	5.48	5.25	0.04
16.95	5.24	5.00	0.06	19.55	5.49	5.25	0.04
17.00	5.24	5.01	0.06	19.60	5.49	5.25	0.04
17.05	5.25	5.01	0.06	19.65	5.50	5.26	0.04
17.10	5.25	5.02	0.06	19.70	5.50	5.26	0.04
17.15	5.26	5.02	0.05	19.75	5.50	5.27	0.04
17.20	5.27	5.03	0.05	19.80	5.51	5.27	0.04
17.25	5.27	5.03	0.05	19.85	5.51	5.28	0.04
17.30	5.28	5.04	0.05	19.90	5.52	5.28	0.04
17.35	5.28	5.05	0.05	19.95	5.52	5.28	0.04
17.40	5.29	5.05	0.05	20.00	5.53	5.29	0.04
17.45	5.29	5.06	0.05	20.05	5.53	5.29	0.04
17.50	5.30	5.06	0.05	20.10	5.53	5.30	0.04
17.55	5.30	5.07	0.05	20.15	5.54	5.30	0.04
17.60	5.31	5.07	0.05	20.20	5.54	5.30	0.04
17.65	5.31	5.08	0.05	20.25	5.55	5.31	0.04
17.70	5.32	5.08	0.05	20.30	5.55	5.31	0.04
17.75	5.33	5.09	0.05	20.35	5.55	5.32	0.04
17.80	5.33	5.09	0.05	20.40	5.56	5.32	0.04
17.85	5.34	5.10	0.05	20.45	5.56	5.32	0.04
17.90	5.34	5.10	0.05	20.50	5.57	5.33	0.04
17.95	5.34	5.11	0.05	20.55	5.57	5.33	0.04
18.00	5.35	5.11	0.05	20.60	5.57	5.34	0.04
18.05	5.35	5.12	0.04	20.65	5.58	5.34	0.04
18.10	5.36	5.12	0.04	20.70	5.58	5.34	0.04
18.15	5.36	5.13	0.04	20.75	5.59	5.35	0.04

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	5.35	0.04	23.40	5.77	5.53	0.03
20.85	5.59	5.36	0.04	23.45	5.78	5.54	0.03
20.90	5.60	5.36	0.04	23.50	5.78	5.54	0.03
20.95	5.60	5.36	0.04	23.55	5.78	5.54	0.03
21.00	5.61	5.37	0.04	23.60	5.78	5.55	0.03
21.05	5.61	5.37	0.04	23.65	5.79	5.55	0.03
21.10	5.61	5.37	0.04	23.70	5.79	5.55	0.03
21.15	5.62	5.38	0.04	23.75	5.79	5.56	0.03
21.20	5.62	5.38	0.04	23.80	5.80	5.56	0.03
21.25	5.62	5.39	0.04	23.85	5.80	5.56	0.03
21.30	5.63	5.39	0.04	23.90	5.80	5.56	0.03
21.35	5.63	5.39	0.04	23.95	5.81	5.57	0.03
21.40	5.64	5.40	0.04	24.00	**5.81**	**5.57**	0.03
21.45	5.64	5.40	0.04	24.05	5.81	5.57	0.01
21.50	5.64	5.40	0.03	24.10	5.81	5.57	0.00
21.55	5.65	5.41	0.03	24.15	5.81	5.57	0.00
21.60	5.65	5.41	0.03	24.20	5.81	5.57	0.00
21.65	5.65	5.42	0.03	24.25	5.81	5.57	0.00
21.70	5.66	5.42	0.03	24.30	5.81	5.57	0.00
21.75	5.66	5.42	0.03	24.35	5.81	5.57	0.00
21.80	5.66	5.43	0.03	24.40	5.81	5.57	0.00
21.85	5.67	5.43	0.03	24.45	5.81	5.57	0.00
21.90	5.67	5.43	0.03	24.50	5.81	5.57	0.00
21.95	5.68	5.44	0.03	24.55	5.81	5.57	0.00
22.00	5.68	5.44	0.03	24.60	5.81	5.57	0.00
22.05	5.68	5.44	0.03	24.65	5.81	5.57	0.00
22.10	5.69	5.45	0.03	24.70	5.81	5.57	0.00
22.15	5.69	5.45	0.03	24.75	5.81	5.57	0.00
22.20	5.69	5.45	0.03	24.80	5.81	5.57	0.00
22.25	5.70	5.46	0.03	24.85	5.81	5.57	0.00
22.30	5.70	5.46	0.03	24.90	5.81	5.57	0.00
22.35	5.70	5.47	0.03	24.95	5.81	5.57	0.00
22.40	5.71	5.47	0.03	25.00	5.81	5.57	0.00
22.45	5.71	5.47	0.03	25.05	5.81	5.57	0.00
22.50	5.71	5.48	0.03	25.10	5.81	5.57	0.00
22.55	5.72	5.48	0.03	25.15	5.81	5.57	0.00
22.60	5.72	5.48	0.03	25.20	5.81	5.57	0.00
22.65	5.72	5.49	0.03	25.25	5.81	5.57	0.00
22.70	5.73	5.49	0.03	25.30	5.81	5.57	0.00
22.75	5.73	5.49	0.03	25.35	5.81	5.57	0.00
22.80	5.73	5.50	0.03	25.40	5.81	5.57	0.00
22.85	5.74	5.50	0.03	25.45	5.81	5.57	0.00
22.90	5.74	5.50	0.03	25.50	5.81	5.57	0.00
22.95	5.74	5.51	0.03	25.55	5.81	5.57	0.00
23.00	5.75	5.51	0.03	25.60	5.81	5.57	0.00
23.05	5.75	5.51	0.03	25.65	5.81	5.57	0.00
23.10	5.75	5.52	0.03	25.70	5.81	5.57	0.00
23.15	5.76	5.52	0.03	25.75	5.81	5.57	0.00
23.20	5.76	5.52	0.03	25.80	5.81	5.57	0.00
23.25	5.76	5.52	0.03	25.85	5.81	5.57	0.00
23.30	5.77	5.53	0.03	25.90	5.81	5.57	0.00
23.35	5.77	5.53	0.03	25.95	5.81	5.57	0.00

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	5.57	0.00	28.60	5.81	5.57	0.00
26.05	5.81	5.57	0.00	28.65	5.81	5.57	0.00
26.10	5.81	5.57	0.00	28.70	5.81	5.57	0.00
26.15	5.81	5.57	0.00	28.75	5.81	5.57	0.00
26.20	5.81	5.57	0.00	28.80	5.81	5.57	0.00
26.25	5.81	5.57	0.00	28.85	5.81	5.57	0.00
26.30	5.81	5.57	0.00	28.90	5.81	5.57	0.00
26.35	5.81	5.57	0.00	28.95	5.81	5.57	0.00
26.40	5.81	5.57	0.00	29.00	5.81	5.57	0.00
26.45	5.81	5.57	0.00	29.05	5.81	5.57	0.00
26.50	5.81	5.57	0.00	29.10	5.81	5.57	0.00
26.55	5.81	5.57	0.00	29.15	5.81	5.57	0.00
26.60	5.81	5.57	0.00	29.20	5.81	5.57	0.00
26.65	5.81	5.57	0.00	29.25	5.81	5.57	0.00
26.70	5.81	5.57	0.00	29.30	5.81	5.57	0.00
26.75	5.81	5.57	0.00	29.35	5.81	5.57	0.00
26.80	5.81	5.57	0.00	29.40	5.81	5.57	0.00
26.85	5.81	5.57	0.00	29.45	5.81	5.57	0.00
26.90	5.81	5.57	0.00	29.50	5.81	5.57	0.00
26.95	5.81	5.57	0.00	29.55	5.81	5.57	0.00
27.00	5.81	5.57	0.00	29.60	5.81	5.57	0.00
27.05	5.81	5.57	0.00	29.65	5.81	5.57	0.00
27.10	5.81	5.57	0.00	29.70	5.81	5.57	0.00
27.15	5.81	5.57	0.00	29.75	5.81	5.57	0.00
27.20	5.81	5.57	0.00	29.80	5.81	5.57	0.00
27.25	5.81	5.57	0.00	29.85	5.81	5.57	0.00
27.30	5.81	5.57	0.00	29.90	5.81	5.57	0.00
27.35	5.81	5.57	0.00	29.95	5.81	5.57	0.00
27.40	5.81	5.57	0.00	30.00	5.81	5.57	0.00
27.45	5.81	5.57	0.00	30.05	5.81	5.57	0.00
27.50	5.81	5.57	0.00	30.10	5.81	5.57	0.00
27.55	5.81	5.57	0.00	30.15	5.81	5.57	0.00
27.60	5.81	5.57	0.00	30.20	5.81	5.57	0.00
27.65	5.81	5.57	0.00	30.25	5.81	5.57	0.00
27.70	5.81	5.57	0.00	30.30	5.81	5.57	0.00
27.75	5.81	5.57	0.00	30.35	5.81	5.57	0.00
27.80	5.81	5.57	0.00	30.40	5.81	5.57	0.00
27.85	5.81	5.57	0.00	30.45	5.81	5.57	0.00
27.90	5.81	5.57	0.00	30.50	5.81	5.57	0.00
27.95	5.81	5.57	0.00	30.55	5.81	5.57	0.00
28.00	5.81	5.57	0.00	30.60	5.81	5.57	0.00
28.05	5.81	5.57	0.00	30.65	5.81	5.57	0.00
28.10	5.81	5.57	0.00	30.70	5.81	5.57	0.00
28.15	5.81	5.57	0.00	30.75	5.81	5.57	0.00
28.20	5.81	5.57	0.00	30.80	5.81	5.57	0.00
28.25	5.81	5.57	0.00	30.85	5.81	5.57	0.00
28.30	5.81	5.57	0.00	30.90	5.81	5.57	0.00
28.35	5.81	5.57	0.00	30.95	5.81	5.57	0.00
28.40	5.81	5.57	0.00	31.00	5.81	5.57	0.00
28.45	5.81	5.57	0.00	31.05	5.81	5.57	0.00
28.50	5.81	5.57	0.00	31.10	5.81	5.57	0.00
28.55	5.81	5.57	0.00	31.15	5.81	5.57	0.00

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	5.57	0.00	33.80	5.81	5.57	0.00
31.25	5.81	5.57	0.00	33.85	5.81	5.57	0.00
31.30	5.81	5.57	0.00	33.90	5.81	5.57	0.00
31.35	5.81	5.57	0.00	33.95	5.81	5.57	0.00
31.40	5.81	5.57	0.00	34.00	5.81	5.57	0.00
31.45	5.81	5.57	0.00	34.05	5.81	5.57	0.00
31.50	5.81	5.57	0.00	34.10	5.81	5.57	0.00
31.55	5.81	5.57	0.00	34.15	5.81	5.57	0.00
31.60	5.81	5.57	0.00	34.20	5.81	5.57	0.00
31.65	5.81	5.57	0.00	34.25	5.81	5.57	0.00
31.70	5.81	5.57	0.00	34.30	5.81	5.57	0.00
31.75	5.81	5.57	0.00	34.35	5.81	5.57	0.00
31.80	5.81	5.57	0.00	34.40	5.81	5.57	0.00
31.85	5.81	5.57	0.00	34.45	5.81	5.57	0.00
31.90	5.81	5.57	0.00	34.50	5.81	5.57	0.00
31.95	5.81	5.57	0.00	34.55	5.81	5.57	0.00
32.00	5.81	5.57	0.00	34.60	5.81	5.57	0.00
32.05	5.81	5.57	0.00	34.65	5.81	5.57	0.00
32.10	5.81	5.57	0.00	34.70	5.81	5.57	0.00
32.15	5.81	5.57	0.00	34.75	5.81	5.57	0.00
32.20	5.81	5.57	0.00	34.80	5.81	5.57	0.00
32.25	5.81	5.57	0.00	34.85	5.81	5.57	0.00
32.30	5.81	5.57	0.00	34.90	5.81	5.57	0.00
32.35	5.81	5.57	0.00	34.95	5.81	5.57	0.00
32.40	5.81	5.57	0.00	35.00	5.81	5.57	0.00
32.45	5.81	5.57	0.00	35.05	5.81	5.57	0.00
32.50	5.81	5.57	0.00	35.10	5.81	5.57	0.00
32.55	5.81	5.57	0.00	35.15	5.81	5.57	0.00
32.60	5.81	5.57	0.00	35.20	5.81	5.57	0.00
32.65	5.81	5.57	0.00	35.25	5.81	5.57	0.00
32.70	5.81	5.57	0.00	35.30	5.81	5.57	0.00
32.75	5.81	5.57	0.00	35.35	5.81	5.57	0.00
32.80	5.81	5.57	0.00	35.40	5.81	5.57	0.00
32.85	5.81	5.57	0.00	35.45	5.81	5.57	0.00
32.90	5.81	5.57	0.00	35.50	5.81	5.57	0.00
32.95	5.81	5.57	0.00	35.55	5.81	5.57	0.00
33.00	5.81	5.57	0.00	35.60	5.81	5.57	0.00
33.05	5.81	5.57	0.00	35.65	5.81	5.57	0.00
33.10	5.81	5.57	0.00	35.70	5.81	5.57	0.00
33.15	5.81	5.57	0.00	35.75	5.81	5.57	0.00
33.20	5.81	5.57	0.00	35.80	5.81	5.57	0.00
33.25	5.81	5.57	0.00	35.85	5.81	5.57	0.00
33.30	5.81	5.57	0.00	35.90	5.81	5.57	0.00
33.35	5.81	5.57	0.00	35.95	5.81	5.57	0.00
33.40	5.81	5.57	0.00	36.00	5.81	5.57	0.00
33.45	5.81	5.57	0.00	36.05	5.81	5.57	0.00
33.50	5.81	5.57	0.00	36.10	5.81	5.57	0.00
33.55	5.81	5.57	0.00	36.15	5.81	5.57	0.00
33.60	5.81	5.57	0.00	36.20	5.81	5.57	0.00
33.65	5.81	5.57	0.00	36.25	5.81	5.57	0.00
33.70	5.81	5.57	0.00	36.30	5.81	5.57	0.00
33.75	5.81	5.57	0.00	36.35	5.81	5.57	0.00

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	5.57	0.00
36.45	5.81	5.57	0.00
36.50	5.81	5.57	0.00
36.55	5.81	5.57	0.00
36.60	5.81	5.57	0.00
36.65	5.81	5.57	0.00
36.70	5.81	5.57	0.00
36.75	5.81	5.57	0.00
36.80	5.81	5.57	0.00
36.85	5.81	5.57	0.00
36.90	5.81	5.57	0.00
36.95	5.81	5.57	0.00
37.00	5.81	5.57	0.00
37.05	5.81	5.57	0.00
37.10	5.81	5.57	0.00
37.15	5.81	5.57	0.00
37.20	5.81	5.57	0.00
37.25	5.81	5.57	0.00
37.30	5.81	5.57	0.00
37.35	5.81	5.57	0.00
37.40	5.81	5.57	0.00
37.45	5.81	5.57	0.00
37.50	5.81	5.57	0.00
37.55	5.81	5.57	0.00
37.60	5.81	5.57	0.00
37.65	5.81	5.57	0.00
37.70	5.81	5.57	0.00
37.75	5.81	5.57	0.00
37.80	5.81	5.57	0.00
37.85	5.81	5.57	0.00
37.90	5.81	5.57	0.00
37.95	5.81	5.57	0.00
38.00	5.81	5.57	0.00
38.05	5.81	5.57	0.00
38.10	5.81	5.57	0.00
38.15	5.81	5.57	0.00
38.20	5.81	5.57	0.00
38.25	5.81	5.57	0.00
38.30	5.81	5.57	0.00
38.35	5.81	5.57	0.00
38.40	5.81	5.57	0.00
38.45	5.81	5.57	0.00
38.50	5.81	5.57	0.00
38.55	5.81	5.57	0.00
38.60	5.81	5.57	0.00
38.65	5.81	5.57	0.00
38.70	5.81	5.57	0.00
38.75	5.81	5.57	0.00
38.80	5.81	5.57	0.00
38.85	5.81	5.57	0.00
38.90	5.81	5.57	0.00
38.95	5.81	5.57	0.00
39.00	5.81	5.57	0.00
39.05	5.81	5.57	0.00
39.10	5.81	5.57	0.00
39.15	5.81	5.57	0.00
39.20	5.81	5.57	0.00
39.25	5.81	5.57	0.00
39.30	5.81	5.57	0.00
39.35	5.81	5.57	0.00
39.40	5.81	5.57	0.00
39.45	5.81	5.57	0.00
39.50	5.81	5.57	0.00
39.55	5.81	5.57	0.00
39.60	5.81	5.57	0.00
39.65	5.81	5.57	0.00
39.70	5.81	5.57	0.00
39.75	5.81	5.57	0.00
39.80	5.81	5.57	0.00
39.85	5.81	5.57	0.00
39.90	5.81	5.57	0.00
39.95	5.81	5.57	0.00
40.00	5.81	5.57	0.00

Summary for Subcatchment 56P: PDA-56 (pervious)

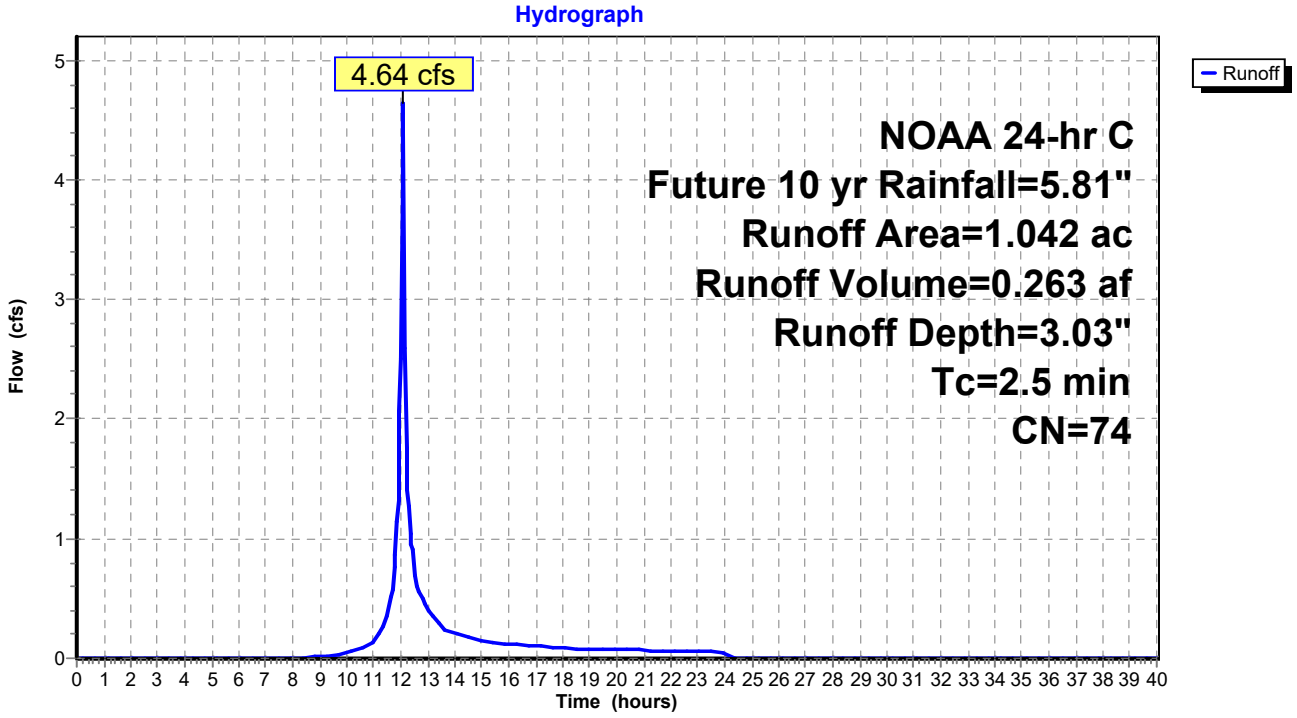
Runoff = 4.64 cfs @ 12.09 hrs, Volume= 0.263 af, Depth= 3.03"
Routed to Pond B-56 : Basin #56

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
1.042	74	>75% Grass cover, Good, HSG C
1.042		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.5					**Direct Entry,**

Subcatchment 56P: PDA-56 (pervious)



Hydrograph for Subcatchment 56P: PDA-56 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.00
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.00
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.01
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.01
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.01
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.01
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.01
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.01
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.01
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.01
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.01
6.35	0.50	0.00	0.00	8.95	0.84	0.01	0.01
6.40	0.50	0.00	0.00	9.00	0.85	0.01	0.01
6.45	0.51	0.00	0.00	9.05	0.86	0.01	0.01
6.50	0.51	0.00	0.00	9.10	0.87	0.01	0.02
6.55	0.52	0.00	0.00	9.15	0.87	0.01	0.02
6.60	0.52	0.00	0.00	9.20	0.88	0.01	0.02
6.65	0.53	0.00	0.00	9.25	0.89	0.01	0.02
6.70	0.53	0.00	0.00	9.30	0.90	0.01	0.02
6.75	0.54	0.00	0.00	9.35	0.91	0.01	0.02
6.80	0.54	0.00	0.00	9.40	0.92	0.01	0.02
6.85	0.55	0.00	0.00	9.45	0.93	0.01	0.02
6.90	0.56	0.00	0.00	9.50	0.94	0.02	0.03
6.95	0.56	0.00	0.00	9.55	0.95	0.02	0.03
7.00	0.57	0.00	0.00	9.60	0.96	0.02	0.03
7.05	0.57	0.00	0.00	9.65	0.98	0.02	0.03
7.10	0.58	0.00	0.00	9.70	0.99	0.02	0.03
7.15	0.58	0.00	0.00	9.75	1.00	0.02	0.04
7.20	0.59	0.00	0.00	9.80	1.01	0.02	0.04
7.25	0.60	0.00	0.00	9.85	1.02	0.03	0.04
7.30	0.60	0.00	0.00	9.90	1.03	0.03	0.04
7.35	0.61	0.00	0.00	9.95	1.05	0.03	0.04
7.40	0.62	0.00	0.00	10.00	1.06	0.03	0.05
7.45	0.62	0.00	0.00	10.05	1.07	0.04	0.05
7.50	0.63	0.00	0.00	10.10	1.09	0.04	0.05
7.55	0.64	0.00	0.00	10.15	1.10	0.04	0.05
7.60	0.64	0.00	0.00	10.20	1.11	0.04	0.05
7.65	0.65	0.00	0.00	10.25	1.13	0.05	0.06
7.70	0.65	0.00	0.00	10.30	1.14	0.05	0.06
7.75	0.66	0.00	0.00	10.35	1.15	0.05	0.06

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.05	0.06	13.00	4.42	1.91	0.42
10.45	1.18	0.06	0.07	13.05	4.44	1.93	0.38
10.50	1.20	0.06	0.07	13.10	4.46	1.94	0.37
10.55	1.21	0.06	0.08	13.15	4.48	1.96	0.35
10.60	1.23	0.07	0.08	13.20	4.50	1.98	0.34
10.65	1.25	0.07	0.09	13.25	4.52	1.99	0.33
10.70	1.27	0.08	0.10	13.30	4.54	2.01	0.32
10.75	1.29	0.08	0.10	13.35	4.56	2.02	0.30
10.80	1.31	0.09	0.11	13.40	4.58	2.03	0.29
10.85	1.33	0.09	0.12	13.45	4.60	2.05	0.27
10.90	1.35	0.10	0.13	13.50	4.61	2.06	0.27
10.95	1.37	0.11	0.14	13.55	4.63	2.07	0.25
11.00	1.39	0.11	0.14	13.60	4.64	2.08	0.24
11.05	1.42	0.12	0.16	13.65	4.66	2.09	0.23
11.10	1.45	0.13	0.17	13.70	4.67	2.10	0.23
11.15	1.48	0.14	0.19	13.75	4.68	2.12	0.23
11.20	1.51	0.15	0.20	13.80	4.70	2.13	0.23
11.25	1.54	0.16	0.22	13.85	4.71	2.14	0.22
11.30	1.57	0.17	0.24	13.90	4.72	2.15	0.22
11.35	1.61	0.18	0.26	13.95	4.74	2.16	0.21
11.40	1.64	0.20	0.28	14.00	4.75	2.17	0.21
11.45	1.68	0.21	0.30	14.05	4.76	2.18	0.21
11.50	1.72	0.23	0.32	14.10	4.78	2.19	0.21
11.55	1.78	0.25	0.45	14.15	4.79	2.20	0.20
11.60	1.83	0.28	0.51	14.20	4.80	2.21	0.20
11.65	1.90	0.30	0.55	14.25	4.81	2.21	0.19
11.70	1.96	0.33	0.59	14.30	4.82	2.22	0.19
11.75	2.04	0.37	0.76	14.35	4.83	2.23	0.19
11.80	2.13	0.41	0.86	14.40	4.85	2.24	0.19
11.85	2.25	0.47	1.14	14.45	4.86	2.25	0.18
11.90	2.36	0.53	1.31	14.50	4.87	2.26	0.18
11.95	2.57	0.65	2.07	14.55	4.88	2.27	0.17
12.00	2.77	0.77	2.51	14.60	4.89	2.27	0.17
12.05	3.11	0.98	3.90	14.65	4.90	2.28	0.17
12.10	3.45	1.20	**4.56**	14.70	4.91	2.29	0.16
12.15	3.56	1.28	2.59	14.75	4.92	2.30	0.16
12.20	3.68	1.37	1.76	14.80	4.93	2.31	0.16
12.25	3.77	1.43	1.40	14.85	4.94	2.31	0.15
12.30	3.85	1.49	1.27	14.90	4.94	2.32	0.15
12.35	3.91	1.53	1.04	14.95	4.95	2.33	0.15
12.40	3.98	1.58	0.95	15.00	4.96	2.33	0.14
12.45	4.03	1.62	0.92	15.05	4.97	2.34	0.14
12.50	4.09	1.67	0.90	15.10	4.98	2.35	0.14
12.55	4.13	1.69	0.68	15.15	4.99	2.35	0.13
12.60	4.17	1.72	0.60	15.20	4.99	2.36	0.13
12.65	4.20	1.75	0.57	15.25	5.00	2.37	0.13
12.70	4.24	1.77	0.56	15.30	5.01	2.37	0.13
12.75	4.27	1.80	0.53	15.35	5.02	2.38	0.13
12.80	4.30	1.82	0.51	15.40	5.03	2.38	0.13
12.85	4.33	1.85	0.48	15.45	5.03	2.39	0.13
12.90	4.36	1.87	0.47	15.50	5.04	2.40	0.13
12.95	4.39	1.89	0.43	15.55	5.05	2.40	0.13

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	2.41	0.13	18.20	5.37	2.66	0.08
15.65	5.06	2.41	0.13	18.25	5.37	2.67	0.08
15.70	5.07	2.42	0.13	18.30	5.38	2.67	0.08
15.75	5.08	2.43	0.12	18.35	5.38	2.67	0.08
15.80	5.09	2.43	0.12	18.40	5.39	2.68	0.08
15.85	5.09	2.44	0.12	18.45	5.39	2.68	0.08
15.90	5.10	2.44	0.12	18.50	5.40	2.68	0.08
15.95	5.11	2.45	0.12	18.55	5.40	2.69	0.08
16.00	5.11	2.46	0.12	18.60	5.40	2.69	0.08
16.05	5.12	2.46	0.12	18.65	5.41	2.69	0.08
16.10	5.13	2.47	0.12	18.70	5.41	2.70	0.08
16.15	5.13	2.47	0.12	18.75	5.42	2.70	0.08
16.20	5.14	2.48	0.12	18.80	5.42	2.71	0.08
16.25	5.15	2.48	0.11	18.85	5.43	2.71	0.08
16.30	5.16	2.49	0.11	18.90	5.43	2.71	0.08
16.35	5.16	2.49	0.11	18.95	5.44	2.72	0.08
16.40	5.17	2.50	0.11	19.00	5.44	2.72	0.08
16.45	5.17	2.50	0.11	19.05	5.44	2.72	0.08
16.50	5.18	2.51	0.11	19.10	5.45	2.73	0.08
16.55	5.19	2.52	0.11	19.15	5.45	2.73	0.08
16.60	5.19	2.52	0.11	19.20	5.46	2.73	0.08
16.65	5.20	2.53	0.11	19.25	5.46	2.74	0.07
16.70	5.21	2.53	0.11	19.30	5.47	2.74	0.07
16.75	5.21	2.54	0.11	19.35	5.47	2.75	0.07
16.80	5.22	2.54	0.10	19.40	5.48	2.75	0.07
16.85	5.23	2.55	0.10	19.45	5.48	2.75	0.07
16.90	5.23	2.55	0.10	19.50	5.48	2.76	0.07
16.95	5.24	2.55	0.10	19.55	5.49	2.76	0.07
17.00	5.24	2.56	0.10	19.60	5.49	2.76	0.07
17.05	5.25	2.56	0.10	19.65	5.50	2.77	0.07
17.10	5.25	2.57	0.10	19.70	5.50	2.77	0.07
17.15	5.26	2.57	0.10	19.75	5.50	2.77	0.07
17.20	5.27	2.58	0.10	19.80	5.51	2.78	0.07
17.25	5.27	2.58	0.10	19.85	5.51	2.78	0.07
17.30	5.28	2.59	0.10	19.90	5.52	2.78	0.07
17.35	5.28	2.59	0.09	19.95	5.52	2.79	0.07
17.40	5.29	2.60	0.09	20.00	5.53	2.79	0.07
17.45	5.29	2.60	0.09	20.05	5.53	2.79	0.07
17.50	5.30	2.61	0.09	20.10	5.53	2.80	0.07
17.55	5.30	2.61	0.09	20.15	5.54	2.80	0.07
17.60	5.31	2.61	0.09	20.20	5.54	2.80	0.07
17.65	5.31	2.62	0.09	20.25	5.55	2.81	0.07
17.70	5.32	2.62	0.09	20.30	5.55	2.81	0.07
17.75	5.33	2.63	0.09	20.35	5.55	2.81	0.07
17.80	5.33	2.63	0.09	20.40	5.56	2.82	0.07
17.85	5.34	2.63	0.08	20.45	5.56	2.82	0.07
17.90	5.34	2.64	0.08	20.50	5.57	2.82	0.07
17.95	5.34	2.64	0.08	20.55	5.57	2.83	0.07
18.00	5.35	2.65	0.08	20.60	5.57	2.83	0.07
18.05	5.35	2.65	0.08	20.65	5.58	2.83	0.07
18.10	5.36	2.65	0.08	20.70	5.58	2.84	0.07
18.15	5.36	2.66	0.08	20.75	5.59	2.84	0.07

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.84	0.07	23.40	5.77	2.99	0.06
20.85	5.59	2.85	0.07	23.45	5.78	3.00	0.05
20.90	5.60	2.85	0.07	23.50	5.78	3.00	0.05
20.95	5.60	2.85	0.07	23.55	5.78	3.00	0.05
21.00	5.61	2.86	0.07	23.60	5.78	3.00	0.05
21.05	5.61	2.86	0.07	23.65	5.79	3.01	0.05
21.10	5.61	2.86	0.07	23.70	5.79	3.01	0.05
21.15	5.62	2.87	0.07	23.75	5.79	3.01	0.05
21.20	5.62	2.87	0.07	23.80	5.80	3.01	0.05
21.25	5.62	2.87	0.07	23.85	5.80	3.02	0.05
21.30	5.63	2.87	0.07	23.90	5.80	3.02	0.05
21.35	5.63	2.88	0.06	23.95	5.81	3.02	0.06
21.40	5.64	2.88	0.06	24.00	**5.81**	**3.03**	0.06
21.45	5.64	2.88	0.06	24.05	5.81	3.03	0.02
21.50	5.64	2.89	0.06	24.10	5.81	3.03	0.00
21.55	5.65	2.89	0.06	24.15	5.81	3.03	0.00
21.60	5.65	2.89	0.06	24.20	5.81	3.03	0.00
21.65	5.65	2.90	0.06	24.25	5.81	3.03	0.00
21.70	5.66	2.90	0.06	24.30	5.81	3.03	0.00
21.75	5.66	2.90	0.06	24.35	5.81	3.03	0.00
21.80	5.66	2.90	0.06	24.40	5.81	3.03	0.00
21.85	5.67	2.91	0.06	24.45	5.81	3.03	0.00
21.90	5.67	2.91	0.06	24.50	5.81	3.03	0.00
21.95	5.68	2.91	0.06	24.55	5.81	3.03	0.00
22.00	5.68	2.92	0.06	24.60	5.81	3.03	0.00
22.05	5.68	2.92	0.06	24.65	5.81	3.03	0.00
22.10	5.69	2.92	0.06	24.70	5.81	3.03	0.00
22.15	5.69	2.93	0.06	24.75	5.81	3.03	0.00
22.20	5.69	2.93	0.06	24.80	5.81	3.03	0.00
22.25	5.70	2.93	0.06	24.85	5.81	3.03	0.00
22.30	5.70	2.93	0.06	24.90	5.81	3.03	0.00
22.35	5.70	2.94	0.06	24.95	5.81	3.03	0.00
22.40	5.71	2.94	0.06	25.00	5.81	3.03	0.00
22.45	5.71	2.94	0.06	25.05	5.81	3.03	0.00
22.50	5.71	2.95	0.06	25.10	5.81	3.03	0.00
22.55	5.72	2.95	0.06	25.15	5.81	3.03	0.00
22.60	5.72	2.95	0.06	25.20	5.81	3.03	0.00
22.65	5.72	2.95	0.06	25.25	5.81	3.03	0.00
22.70	5.73	2.96	0.06	25.30	5.81	3.03	0.00
22.75	5.73	2.96	0.06	25.35	5.81	3.03	0.00
22.80	5.73	2.96	0.06	25.40	5.81	3.03	0.00
22.85	5.74	2.96	0.06	25.45	5.81	3.03	0.00
22.90	5.74	2.97	0.06	25.50	5.81	3.03	0.00
22.95	5.74	2.97	0.06	25.55	5.81	3.03	0.00
23.00	5.75	2.97	0.06	25.60	5.81	3.03	0.00
23.05	5.75	2.98	0.06	25.65	5.81	3.03	0.00
23.10	5.75	2.98	0.06	25.70	5.81	3.03	0.00
23.15	5.76	2.98	0.06	25.75	5.81	3.03	0.00
23.20	5.76	2.98	0.06	25.80	5.81	3.03	0.00
23.25	5.76	2.99	0.06	25.85	5.81	3.03	0.00
23.30	5.77	2.99	0.06	25.90	5.81	3.03	0.00
23.35	5.77	2.99	0.06	25.95	5.81	3.03	0.00

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	3.03	0.00	28.60	5.81	3.03	0.00
26.05	5.81	3.03	0.00	28.65	5.81	3.03	0.00
26.10	5.81	3.03	0.00	28.70	5.81	3.03	0.00
26.15	5.81	3.03	0.00	28.75	5.81	3.03	0.00
26.20	5.81	3.03	0.00	28.80	5.81	3.03	0.00
26.25	5.81	3.03	0.00	28.85	5.81	3.03	0.00
26.30	5.81	3.03	0.00	28.90	5.81	3.03	0.00
26.35	5.81	3.03	0.00	28.95	5.81	3.03	0.00
26.40	5.81	3.03	0.00	29.00	5.81	3.03	0.00
26.45	5.81	3.03	0.00	29.05	5.81	3.03	0.00
26.50	5.81	3.03	0.00	29.10	5.81	3.03	0.00
26.55	5.81	3.03	0.00	29.15	5.81	3.03	0.00
26.60	5.81	3.03	0.00	29.20	5.81	3.03	0.00
26.65	5.81	3.03	0.00	29.25	5.81	3.03	0.00
26.70	5.81	3.03	0.00	29.30	5.81	3.03	0.00
26.75	5.81	3.03	0.00	29.35	5.81	3.03	0.00
26.80	5.81	3.03	0.00	29.40	5.81	3.03	0.00
26.85	5.81	3.03	0.00	29.45	5.81	3.03	0.00
26.90	5.81	3.03	0.00	29.50	5.81	3.03	0.00
26.95	5.81	3.03	0.00	29.55	5.81	3.03	0.00
27.00	5.81	3.03	0.00	29.60	5.81	3.03	0.00
27.05	5.81	3.03	0.00	29.65	5.81	3.03	0.00
27.10	5.81	3.03	0.00	29.70	5.81	3.03	0.00
27.15	5.81	3.03	0.00	29.75	5.81	3.03	0.00
27.20	5.81	3.03	0.00	29.80	5.81	3.03	0.00
27.25	5.81	3.03	0.00	29.85	5.81	3.03	0.00
27.30	5.81	3.03	0.00	29.90	5.81	3.03	0.00
27.35	5.81	3.03	0.00	29.95	5.81	3.03	0.00
27.40	5.81	3.03	0.00	30.00	5.81	3.03	0.00
27.45	5.81	3.03	0.00	30.05	5.81	3.03	0.00
27.50	5.81	3.03	0.00	30.10	5.81	3.03	0.00
27.55	5.81	3.03	0.00	30.15	5.81	3.03	0.00
27.60	5.81	3.03	0.00	30.20	5.81	3.03	0.00
27.65	5.81	3.03	0.00	30.25	5.81	3.03	0.00
27.70	5.81	3.03	0.00	30.30	5.81	3.03	0.00
27.75	5.81	3.03	0.00	30.35	5.81	3.03	0.00
27.80	5.81	3.03	0.00	30.40	5.81	3.03	0.00
27.85	5.81	3.03	0.00	30.45	5.81	3.03	0.00
27.90	5.81	3.03	0.00	30.50	5.81	3.03	0.00
27.95	5.81	3.03	0.00	30.55	5.81	3.03	0.00
28.00	5.81	3.03	0.00	30.60	5.81	3.03	0.00
28.05	5.81	3.03	0.00	30.65	5.81	3.03	0.00
28.10	5.81	3.03	0.00	30.70	5.81	3.03	0.00
28.15	5.81	3.03	0.00	30.75	5.81	3.03	0.00
28.20	5.81	3.03	0.00	30.80	5.81	3.03	0.00
28.25	5.81	3.03	0.00	30.85	5.81	3.03	0.00
28.30	5.81	3.03	0.00	30.90	5.81	3.03	0.00
28.35	5.81	3.03	0.00	30.95	5.81	3.03	0.00
28.40	5.81	3.03	0.00	31.00	5.81	3.03	0.00
28.45	5.81	3.03	0.00	31.05	5.81	3.03	0.00
28.50	5.81	3.03	0.00	31.10	5.81	3.03	0.00
28.55	5.81	3.03	0.00	31.15	5.81	3.03	0.00

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	3.03	0.00	33.80	5.81	3.03	0.00
31.25	5.81	3.03	0.00	33.85	5.81	3.03	0.00
31.30	5.81	3.03	0.00	33.90	5.81	3.03	0.00
31.35	5.81	3.03	0.00	33.95	5.81	3.03	0.00
31.40	5.81	3.03	0.00	34.00	5.81	3.03	0.00
31.45	5.81	3.03	0.00	34.05	5.81	3.03	0.00
31.50	5.81	3.03	0.00	34.10	5.81	3.03	0.00
31.55	5.81	3.03	0.00	34.15	5.81	3.03	0.00
31.60	5.81	3.03	0.00	34.20	5.81	3.03	0.00
31.65	5.81	3.03	0.00	34.25	5.81	3.03	0.00
31.70	5.81	3.03	0.00	34.30	5.81	3.03	0.00
31.75	5.81	3.03	0.00	34.35	5.81	3.03	0.00
31.80	5.81	3.03	0.00	34.40	5.81	3.03	0.00
31.85	5.81	3.03	0.00	34.45	5.81	3.03	0.00
31.90	5.81	3.03	0.00	34.50	5.81	3.03	0.00
31.95	5.81	3.03	0.00	34.55	5.81	3.03	0.00
32.00	5.81	3.03	0.00	34.60	5.81	3.03	0.00
32.05	5.81	3.03	0.00	34.65	5.81	3.03	0.00
32.10	5.81	3.03	0.00	34.70	5.81	3.03	0.00
32.15	5.81	3.03	0.00	34.75	5.81	3.03	0.00
32.20	5.81	3.03	0.00	34.80	5.81	3.03	0.00
32.25	5.81	3.03	0.00	34.85	5.81	3.03	0.00
32.30	5.81	3.03	0.00	34.90	5.81	3.03	0.00
32.35	5.81	3.03	0.00	34.95	5.81	3.03	0.00
32.40	5.81	3.03	0.00	35.00	5.81	3.03	0.00
32.45	5.81	3.03	0.00	35.05	5.81	3.03	0.00
32.50	5.81	3.03	0.00	35.10	5.81	3.03	0.00
32.55	5.81	3.03	0.00	35.15	5.81	3.03	0.00
32.60	5.81	3.03	0.00	35.20	5.81	3.03	0.00
32.65	5.81	3.03	0.00	35.25	5.81	3.03	0.00
32.70	5.81	3.03	0.00	35.30	5.81	3.03	0.00
32.75	5.81	3.03	0.00	35.35	5.81	3.03	0.00
32.80	5.81	3.03	0.00	35.40	5.81	3.03	0.00
32.85	5.81	3.03	0.00	35.45	5.81	3.03	0.00
32.90	5.81	3.03	0.00	35.50	5.81	3.03	0.00
32.95	5.81	3.03	0.00	35.55	5.81	3.03	0.00
33.00	5.81	3.03	0.00	35.60	5.81	3.03	0.00
33.05	5.81	3.03	0.00	35.65	5.81	3.03	0.00
33.10	5.81	3.03	0.00	35.70	5.81	3.03	0.00
33.15	5.81	3.03	0.00	35.75	5.81	3.03	0.00
33.20	5.81	3.03	0.00	35.80	5.81	3.03	0.00
33.25	5.81	3.03	0.00	35.85	5.81	3.03	0.00
33.30	5.81	3.03	0.00	35.90	5.81	3.03	0.00
33.35	5.81	3.03	0.00	35.95	5.81	3.03	0.00
33.40	5.81	3.03	0.00	36.00	5.81	3.03	0.00
33.45	5.81	3.03	0.00	36.05	5.81	3.03	0.00
33.50	5.81	3.03	0.00	36.10	5.81	3.03	0.00
33.55	5.81	3.03	0.00	36.15	5.81	3.03	0.00
33.60	5.81	3.03	0.00	36.20	5.81	3.03	0.00
33.65	5.81	3.03	0.00	36.25	5.81	3.03	0.00
33.70	5.81	3.03	0.00	36.30	5.81	3.03	0.00
33.75	5.81	3.03	0.00	36.35	5.81	3.03	0.00

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	3.03	0.00
36.45	5.81	3.03	0.00
36.50	5.81	3.03	0.00
36.55	5.81	3.03	0.00
36.60	5.81	3.03	0.00
36.65	5.81	3.03	0.00
36.70	5.81	3.03	0.00
36.75	5.81	3.03	0.00
36.80	5.81	3.03	0.00
36.85	5.81	3.03	0.00
36.90	5.81	3.03	0.00
36.95	5.81	3.03	0.00
37.00	5.81	3.03	0.00
37.05	5.81	3.03	0.00
37.10	5.81	3.03	0.00
37.15	5.81	3.03	0.00
37.20	5.81	3.03	0.00
37.25	5.81	3.03	0.00
37.30	5.81	3.03	0.00
37.35	5.81	3.03	0.00
37.40	5.81	3.03	0.00
37.45	5.81	3.03	0.00
37.50	5.81	3.03	0.00
37.55	5.81	3.03	0.00
37.60	5.81	3.03	0.00
37.65	5.81	3.03	0.00
37.70	5.81	3.03	0.00
37.75	5.81	3.03	0.00
37.80	5.81	3.03	0.00
37.85	5.81	3.03	0.00
37.90	5.81	3.03	0.00
37.95	5.81	3.03	0.00
38.00	5.81	3.03	0.00
38.05	5.81	3.03	0.00
38.10	5.81	3.03	0.00
38.15	5.81	3.03	0.00
38.20	5.81	3.03	0.00
38.25	5.81	3.03	0.00
38.30	5.81	3.03	0.00
38.35	5.81	3.03	0.00
38.40	5.81	3.03	0.00
38.45	5.81	3.03	0.00
38.50	5.81	3.03	0.00
38.55	5.81	3.03	0.00
38.60	5.81	3.03	0.00
38.65	5.81	3.03	0.00
38.70	5.81	3.03	0.00
38.75	5.81	3.03	0.00
38.80	5.81	3.03	0.00
38.85	5.81	3.03	0.00
38.90	5.81	3.03	0.00
38.95	5.81	3.03	0.00
39.00	5.81	3.03	0.00
39.05	5.81	3.03	0.00
39.10	5.81	3.03	0.00
39.15	5.81	3.03	0.00
39.20	5.81	3.03	0.00
39.25	5.81	3.03	0.00
39.30	5.81	3.03	0.00
39.35	5.81	3.03	0.00
39.40	5.81	3.03	0.00
39.45	5.81	3.03	0.00
39.50	5.81	3.03	0.00
39.55	5.81	3.03	0.00
39.60	5.81	3.03	0.00
39.65	5.81	3.03	0.00
39.70	5.81	3.03	0.00
39.75	5.81	3.03	0.00
39.80	5.81	3.03	0.00
39.85	5.81	3.03	0.00
39.90	5.81	3.03	0.00
39.95	5.81	3.03	0.00
40.00	5.81	3.03	0.00

Summary for Subcatchment 57l: PDA-57 (impervious)

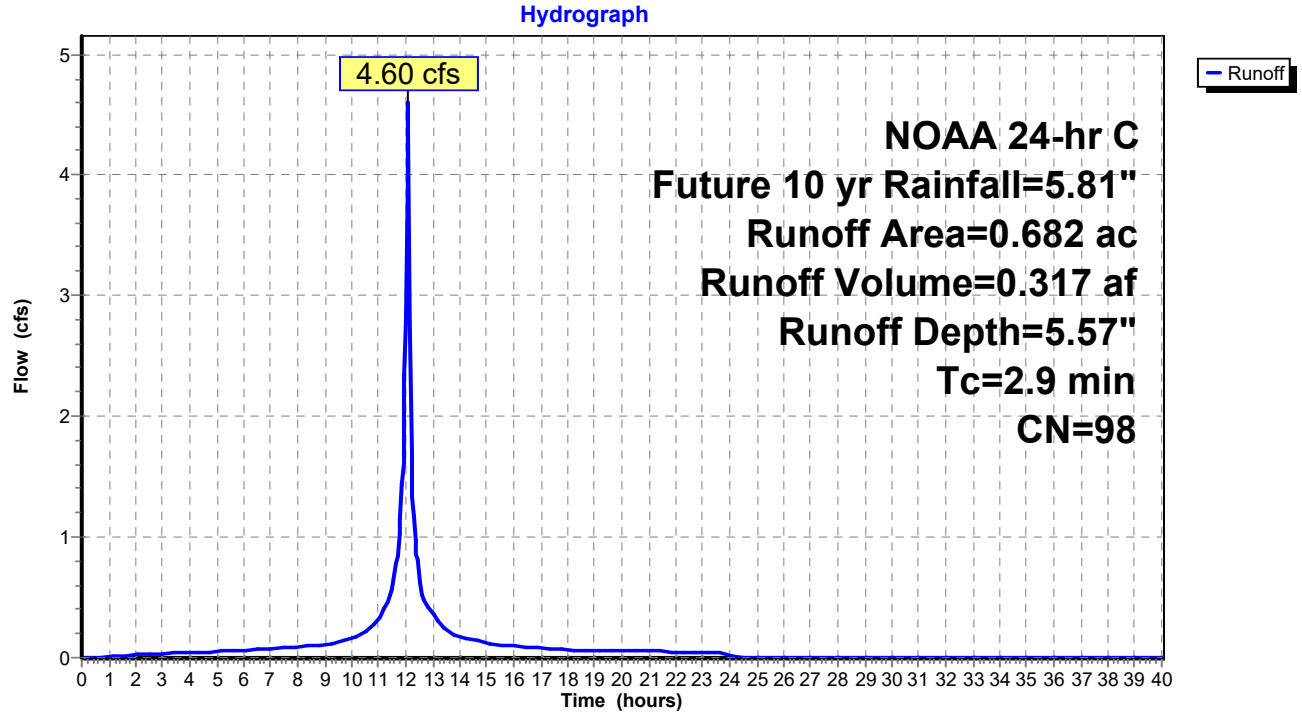
Runoff = 4.60 cfs @ 12.09 hrs, Volume= 0.317 af, Depth= 5.57"
Routed to Pond B-57 : Basin #57

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

	Area (ac)	CN	Description
*	0.268	98	Pavement, HSG C
*	0.378	98	Roof, HSG C
*	0.036	98	Concrete, HSG C
	0.682	98	Weighted Average
	0.682		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.9					**Direct Entry,**

Subcatchment 57l: PDA-57 (impervious)



Hydrograph for Subcatchment 57I: PDA-57 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.05	0.03
0.05	0.00	0.00	0.00	2.65	0.18	0.06	0.03
0.10	0.01	0.00	0.00	2.70	0.18	0.06	0.03
0.15	0.01	0.00	0.00	2.75	0.19	0.06	0.03
0.20	0.01	0.00	0.00	2.80	0.19	0.06	0.03
0.25	0.02	0.00	0.00	2.85	0.19	0.07	0.03
0.30	0.02	0.00	0.00	2.90	0.20	0.07	0.03
0.35	0.02	0.00	0.00	2.95	0.20	0.07	0.04
0.40	0.03	0.00	0.00	3.00	0.20	0.07	0.04
0.45	0.03	0.00	0.00	3.05	0.21	0.08	0.04
0.50	0.03	0.00	0.00	3.10	0.21	0.08	0.04
0.55	0.03	0.00	0.00	3.15	0.22	0.08	0.04
0.60	0.04	0.00	0.00	3.20	0.22	0.08	0.04
0.65	0.04	0.00	0.00	3.25	0.22	0.09	0.04
0.70	0.04	0.00	0.00	3.30	0.23	0.09	0.04
0.75	0.05	0.00	0.00	3.35	0.23	0.09	0.04
0.80	0.05	0.00	0.00	3.40	0.24	0.10	0.04
0.85	0.05	0.00	0.00	3.45	0.24	0.10	0.04
0.90	0.06	0.00	0.01	3.50	0.24	0.10	0.04
0.95	0.06	0.00	0.01	3.55	0.25	0.10	0.04
1.00	0.06	0.00	0.01	3.60	0.25	0.11	0.04
1.05	0.07	0.00	0.01	3.65	0.26	0.11	0.04
1.10	0.07	0.00	0.01	3.70	0.26	0.11	0.04
1.15	0.07	0.00	0.01	3.75	0.26	0.12	0.04
1.20	0.08	0.01	0.01	3.80	0.27	0.12	0.04
1.25	0.08	0.01	0.01	3.85	0.27	0.12	0.04
1.30	0.08	0.01	0.01	3.90	0.28	0.13	0.04
1.35	0.09	0.01	0.01	3.95	0.28	0.13	0.04
1.40	0.09	0.01	0.02	4.00	0.28	0.13	0.04
1.45	0.09	0.01	0.02	4.05	0.29	0.14	0.04
1.50	0.10	0.01	0.02	4.10	0.29	0.14	0.05
1.55	0.10	0.01	0.02	4.15	0.30	0.14	0.05
1.60	0.10	0.01	0.02	4.20	0.30	0.15	0.05
1.65	0.11	0.02	0.02	4.25	0.31	0.15	0.05
1.70	0.11	0.02	0.02	4.30	0.31	0.15	0.05
1.75	0.11	0.02	0.02	4.35	0.31	0.16	0.05
1.80	0.12	0.02	0.02	4.40	0.32	0.16	0.05
1.85	0.12	0.02	0.02	4.45	0.32	0.16	0.05
1.90	0.12	0.02	0.02	4.50	0.33	0.17	0.05
1.95	0.13	0.03	0.02	4.55	0.33	0.17	0.05
2.00	0.13	0.03	0.02	4.60	0.33	0.17	0.05
2.05	0.13	0.03	0.03	4.65	0.34	0.18	0.05
2.10	0.14	0.03	0.03	4.70	0.34	0.18	0.05
2.15	0.14	0.03	0.03	4.75	0.35	0.18	0.05
2.20	0.15	0.04	0.03	4.80	0.35	0.19	0.05
2.25	0.15	0.04	0.03	4.85	0.36	0.19	0.05
2.30	0.15	0.04	0.03	4.90	0.36	0.20	0.05
2.35	0.16	0.04	0.03	4.95	0.37	0.20	0.05
2.40	0.16	0.04	0.03	5.00	0.37	0.20	0.05
2.45	0.16	0.05	0.03	5.05	0.37	0.21	0.05
2.50	0.17	0.05	0.03	5.10	0.38	0.21	0.05
2.55	0.17	0.05	0.03	5.15	0.38	0.21	0.05

Hydrograph for Subcatchment 57l: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.22	0.05	7.80	0.67	0.47	0.09
5.25	0.39	0.22	0.05	7.85	0.68	0.48	0.09
5.30	0.40	0.23	0.05	7.90	0.68	0.49	0.09
5.35	0.40	0.23	0.05	7.95	0.69	0.49	0.09
5.40	0.41	0.23	0.05	8.00	0.70	0.50	0.09
5.45	0.41	0.24	0.05	8.05	0.70	0.51	0.09
5.50	0.41	0.24	0.05	8.10	0.71	0.51	0.09
5.55	0.42	0.25	0.05	8.15	0.72	0.52	0.09
5.60	0.42	0.25	0.06	8.20	0.72	0.53	0.09
5.65	0.43	0.25	0.06	8.25	0.73	0.53	0.09
5.70	0.43	0.26	0.06	8.30	0.74	0.54	0.10
5.75	0.44	0.26	0.06	8.35	0.75	0.55	0.10
5.80	0.44	0.27	0.06	8.40	0.75	0.55	0.10
5.85	0.45	0.27	0.06	8.45	0.76	0.56	0.10
5.90	0.45	0.27	0.06	8.50	0.77	0.57	0.10
5.95	0.46	0.28	0.06	8.55	0.78	0.58	0.10
6.00	0.46	0.28	0.06	8.60	0.78	0.58	0.10
6.05	0.47	0.29	0.06	8.65	0.79	0.59	0.10
6.10	0.47	0.29	0.06	8.70	0.80	0.60	0.10
6.15	0.47	0.30	0.06	8.75	0.81	0.61	0.10
6.20	0.48	0.30	0.06	8.80	0.82	0.61	0.10
6.25	0.48	0.30	0.06	8.85	0.82	0.62	0.10
6.30	0.49	0.31	0.06	8.90	0.83	0.63	0.11
6.35	0.50	0.31	0.06	8.95	0.84	0.64	0.11
6.40	0.50	0.32	0.06	9.00	0.85	0.64	0.11
6.45	0.51	0.32	0.06	9.05	0.86	0.65	0.11
6.50	0.51	0.33	0.07	9.10	0.87	0.66	0.11
6.55	0.52	0.33	0.07	9.15	0.87	0.67	0.12
6.60	0.52	0.34	0.07	9.20	0.88	0.68	0.12
6.65	0.53	0.34	0.07	9.25	0.89	0.69	0.12
6.70	0.53	0.35	0.07	9.30	0.90	0.70	0.13
6.75	0.54	0.35	0.07	9.35	0.91	0.71	0.13
6.80	0.54	0.36	0.07	9.40	0.92	0.72	0.13
6.85	0.55	0.36	0.07	9.45	0.93	0.73	0.13
6.90	0.56	0.37	0.07	9.50	0.94	0.74	0.14
6.95	0.56	0.37	0.07	9.55	0.95	0.75	0.14
7.00	0.57	0.38	0.07	9.60	0.96	0.76	0.14
7.05	0.57	0.38	0.07	9.65	0.98	0.77	0.15
7.10	0.58	0.39	0.08	9.70	0.99	0.78	0.15
7.15	0.58	0.40	0.08	9.75	1.00	0.79	0.15
7.20	0.59	0.40	0.08	9.80	1.01	0.80	0.15
7.25	0.60	0.41	0.08	9.85	1.02	0.81	0.16
7.30	0.60	0.41	0.08	9.90	1.03	0.82	0.16
7.35	0.61	0.42	0.08	9.95	1.05	0.84	0.16
7.40	0.62	0.42	0.08	10.00	1.06	0.85	0.17
7.45	0.62	0.43	0.08	10.05	1.07	0.86	0.17
7.50	0.63	0.44	0.08	10.10	1.09	0.87	0.17
7.55	0.64	0.44	0.08	10.15	1.10	0.89	0.18
7.60	0.64	0.45	0.08	10.20	1.11	0.90	0.18
7.65	0.65	0.45	0.08	10.25	1.13	0.91	0.18
7.70	0.65	0.46	0.09	10.30	1.14	0.93	0.18
7.75	0.66	0.47	0.09	10.35	1.15	0.94	0.19

Hydrograph for Subcatchment 57I: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.95	0.19	13.00	4.42	4.18	0.36
10.45	1.18	0.97	0.20	13.05	4.44	4.20	0.33
10.50	1.20	0.98	0.20	13.10	4.46	4.23	0.32
10.55	1.21	1.00	0.21	13.15	4.48	4.25	0.30
10.60	1.23	1.02	0.22	13.20	4.50	4.27	0.29
10.65	1.25	1.03	0.23	13.25	4.52	4.29	0.28
10.70	1.27	1.05	0.24	13.30	4.54	4.31	0.27
10.75	1.29	1.07	0.26	13.35	4.56	4.33	0.26
10.80	1.31	1.09	0.27	13.40	4.58	4.34	0.25
10.85	1.33	1.11	0.28	13.45	4.60	4.36	0.23
10.90	1.35	1.13	0.29	13.50	4.61	4.38	0.22
10.95	1.37	1.15	0.30	13.55	4.63	4.39	0.21
11.00	1.39	1.18	0.31	13.60	4.64	4.41	0.20
11.05	1.42	1.20	0.34	13.65	4.66	4.42	0.20
11.10	1.45	1.23	0.35	13.70	4.67	4.43	0.20
11.15	1.48	1.26	0.38	13.75	4.68	4.45	0.19
11.20	1.51	1.29	0.40	13.80	4.70	4.46	0.19
11.25	1.54	1.32	0.42	13.85	4.71	4.48	0.19
11.30	1.57	1.35	0.44	13.90	4.72	4.49	0.18
11.35	1.61	1.38	0.47	13.95	4.74	4.50	0.18
11.40	1.64	1.42	0.48	14.00	4.75	4.51	0.18
11.45	1.68	1.46	0.50	14.05	4.76	4.53	0.17
11.50	1.72	1.49	0.52	14.10	4.78	4.54	0.17
11.55	1.78	1.55	0.69	14.15	4.79	4.55	0.17
11.60	1.83	1.61	0.79	14.20	4.80	4.56	0.17
11.65	1.90	1.67	0.83	14.25	4.81	4.57	0.16
11.70	1.96	1.73	0.85	14.30	4.82	4.59	0.16
11.75	2.04	1.82	1.04	14.35	4.83	4.60	0.16
11.80	2.13	1.90	1.15	14.40	4.85	4.61	0.15
11.85	2.25	2.02	1.43	14.45	4.86	4.62	0.15
11.90	2.36	2.13	1.61	14.50	4.87	4.63	0.15
11.95	2.57	2.34	2.33	14.55	4.88	4.64	0.14
12.00	2.77	2.54	2.77	14.60	4.89	4.65	0.14
12.05	3.11	2.88	3.93	14.65	4.90	4.66	0.14
12.10	3.45	3.21	**4.53**	14.70	4.91	4.67	0.14
12.15	3.56	3.33	2.77	14.75	4.92	4.68	0.13
12.20	3.68	3.45	1.70	14.80	4.93	4.69	0.13
12.25	3.77	3.53	1.34	14.85	4.94	4.70	0.13
12.30	3.85	3.62	1.17	14.90	4.94	4.71	0.12
12.35	3.91	3.68	0.97	14.95	4.95	4.72	0.12
12.40	3.98	3.74	0.86	15.00	4.96	4.72	0.12
12.45	4.03	3.80	0.82	15.05	4.97	4.73	0.11
12.50	4.09	3.86	0.80	15.10	4.98	4.74	0.11
12.55	4.13	3.90	0.63	15.15	4.99	4.75	0.11
12.60	4.17	3.93	0.53	15.20	4.99	4.76	0.11
12.65	4.20	3.97	0.50	15.25	5.00	4.76	0.11
12.70	4.24	4.00	0.49	15.30	5.01	4.77	0.11
12.75	4.27	4.04	0.46	15.35	5.02	4.78	0.11
12.80	4.30	4.07	0.45	15.40	5.03	4.79	0.11
12.85	4.33	4.10	0.42	15.45	5.03	4.80	0.11
12.90	4.36	4.13	0.40	15.50	5.04	4.80	0.11
12.95	4.39	4.15	0.38	15.55	5.05	4.81	0.10

Hydrograph for Subcatchment 57I: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	4.82	0.10	18.20	5.37	5.13	0.06
15.65	5.06	4.83	0.10	18.25	5.37	5.14	0.06
15.70	5.07	4.83	0.10	18.30	5.38	5.14	0.06
15.75	5.08	4.84	0.10	18.35	5.38	5.14	0.06
15.80	5.09	4.85	0.10	18.40	5.39	5.15	0.06
15.85	5.09	4.86	0.10	18.45	5.39	5.15	0.06
15.90	5.10	4.86	0.10	18.50	5.40	5.16	0.06
15.95	5.11	4.87	0.10	18.55	5.40	5.16	0.06
16.00	5.11	4.88	0.10	18.60	5.40	5.17	0.06
16.05	5.12	4.88	0.10	18.65	5.41	5.17	0.06
16.10	5.13	4.89	0.10	18.70	5.41	5.18	0.06
16.15	5.13	4.90	0.10	18.75	5.42	5.18	0.06
16.20	5.14	4.90	0.09	18.80	5.42	5.19	0.06
16.25	5.15	4.91	0.09	18.85	5.43	5.19	0.06
16.30	5.16	4.92	0.09	18.90	5.43	5.19	0.06
16.35	5.16	4.92	0.09	18.95	5.44	5.20	0.06
16.40	5.17	4.93	0.09	19.00	5.44	5.20	0.06
16.45	5.17	4.94	0.09	19.05	5.44	5.21	0.06
16.50	5.18	4.94	0.09	19.10	5.45	5.21	0.06
16.55	5.19	4.95	0.09	19.15	5.45	5.22	0.06
16.60	5.19	4.96	0.09	19.20	5.46	5.22	0.06
16.65	5.20	4.96	0.09	19.25	5.46	5.22	0.06
16.70	5.21	4.97	0.09	19.30	5.47	5.23	0.06
16.75	5.21	4.98	0.09	19.35	5.47	5.23	0.06
16.80	5.22	4.98	0.08	19.40	5.48	5.24	0.06
16.85	5.23	4.99	0.08	19.45	5.48	5.24	0.06
16.90	5.23	4.99	0.08	19.50	5.48	5.25	0.06
16.95	5.24	5.00	0.08	19.55	5.49	5.25	0.06
17.00	5.24	5.01	0.08	19.60	5.49	5.25	0.06
17.05	5.25	5.01	0.08	19.65	5.50	5.26	0.06
17.10	5.25	5.02	0.08	19.70	5.50	5.26	0.06
17.15	5.26	5.02	0.08	19.75	5.50	5.27	0.06
17.20	5.27	5.03	0.08	19.80	5.51	5.27	0.06
17.25	5.27	5.03	0.08	19.85	5.51	5.28	0.06
17.30	5.28	5.04	0.08	19.90	5.52	5.28	0.06
17.35	5.28	5.05	0.08	19.95	5.52	5.28	0.06
17.40	5.29	5.05	0.08	20.00	5.53	5.29	0.06
17.45	5.29	5.06	0.07	20.05	5.53	5.29	0.06
17.50	5.30	5.06	0.07	20.10	5.53	5.30	0.06
17.55	5.30	5.07	0.07	20.15	5.54	5.30	0.06
17.60	5.31	5.07	0.07	20.20	5.54	5.30	0.06
17.65	5.31	5.08	0.07	20.25	5.55	5.31	0.06
17.70	5.32	5.08	0.07	20.30	5.55	5.31	0.06
17.75	5.33	5.09	0.07	20.35	5.55	5.32	0.06
17.80	5.33	5.09	0.07	20.40	5.56	5.32	0.06
17.85	5.34	5.10	0.07	20.45	5.56	5.32	0.05
17.90	5.34	5.10	0.07	20.50	5.57	5.33	0.05
17.95	5.34	5.11	0.07	20.55	5.57	5.33	0.05
18.00	5.35	5.11	0.07	20.60	5.57	5.34	0.05
18.05	5.35	5.12	0.06	20.65	5.58	5.34	0.05
18.10	5.36	5.12	0.06	20.70	5.58	5.34	0.05
18.15	5.36	5.13	0.06	20.75	5.59	5.35	0.05

Hydrograph for Subcatchment 57I: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	5.35	0.05	23.40	5.77	5.53	0.04
20.85	5.59	5.36	0.05	23.45	5.78	5.54	0.04
20.90	5.60	5.36	0.05	23.50	5.78	5.54	0.04
20.95	5.60	5.36	0.05	23.55	5.78	5.54	0.04
21.00	5.61	5.37	0.05	23.60	5.78	5.55	0.04
21.05	5.61	5.37	0.05	23.65	5.79	5.55	0.04
21.10	5.61	5.37	0.05	23.70	5.79	5.55	0.04
21.15	5.62	5.38	0.05	23.75	5.79	5.56	0.04
21.20	5.62	5.38	0.05	23.80	5.80	5.56	0.04
21.25	5.62	5.39	0.05	23.85	5.80	5.56	0.04
21.30	5.63	5.39	0.05	23.90	5.80	5.56	0.04
21.35	5.63	5.39	0.05	23.95	5.81	5.57	0.05
21.40	5.64	5.40	0.05	24.00	**5.81**	**5.57**	0.05
21.45	5.64	5.40	0.05	24.05	5.81	5.57	0.02
21.50	5.64	5.40	0.05	24.10	5.81	5.57	0.00
21.55	5.65	5.41	0.05	24.15	5.81	5.57	0.00
21.60	5.65	5.41	0.05	24.20	5.81	5.57	0.00
21.65	5.65	5.42	0.05	24.25	5.81	5.57	0.00
21.70	5.66	5.42	0.05	24.30	5.81	5.57	0.00
21.75	5.66	5.42	0.05	24.35	5.81	5.57	0.00
21.80	5.66	5.43	0.05	24.40	5.81	5.57	0.00
21.85	5.67	5.43	0.05	24.45	5.81	5.57	0.00
21.90	5.67	5.43	0.05	24.50	5.81	5.57	0.00
21.95	5.68	5.44	0.05	24.55	5.81	5.57	0.00
22.00	5.68	5.44	0.05	24.60	5.81	5.57	0.00
22.05	5.68	5.44	0.05	24.65	5.81	5.57	0.00
22.10	5.69	5.45	0.05	24.70	5.81	5.57	0.00
22.15	5.69	5.45	0.05	24.75	5.81	5.57	0.00
22.20	5.69	5.45	0.05	24.80	5.81	5.57	0.00
22.25	5.70	5.46	0.05	24.85	5.81	5.57	0.00
22.30	5.70	5.46	0.05	24.90	5.81	5.57	0.00
22.35	5.70	5.47	0.05	24.95	5.81	5.57	0.00
22.40	5.71	5.47	0.05	25.00	5.81	5.57	0.00
22.45	5.71	5.47	0.05	25.05	5.81	5.57	0.00
22.50	5.71	5.48	0.05	25.10	5.81	5.57	0.00
22.55	5.72	5.48	0.05	25.15	5.81	5.57	0.00
22.60	5.72	5.48	0.05	25.20	5.81	5.57	0.00
22.65	5.72	5.49	0.05	25.25	5.81	5.57	0.00
22.70	5.73	5.49	0.05	25.30	5.81	5.57	0.00
22.75	5.73	5.49	0.05	25.35	5.81	5.57	0.00
22.80	5.73	5.50	0.05	25.40	5.81	5.57	0.00
22.85	5.74	5.50	0.05	25.45	5.81	5.57	0.00
22.90	5.74	5.50	0.05	25.50	5.81	5.57	0.00
22.95	5.74	5.51	0.05	25.55	5.81	5.57	0.00
23.00	5.75	5.51	0.05	25.60	5.81	5.57	0.00
23.05	5.75	5.51	0.04	25.65	5.81	5.57	0.00
23.10	5.75	5.52	0.04	25.70	5.81	5.57	0.00
23.15	5.76	5.52	0.04	25.75	5.81	5.57	0.00
23.20	5.76	5.52	0.04	25.80	5.81	5.57	0.00
23.25	5.76	5.52	0.04	25.85	5.81	5.57	0.00
23.30	5.77	5.53	0.04	25.90	5.81	5.57	0.00
23.35	5.77	5.53	0.04	25.95	5.81	5.57	0.00

Hydrograph for Subcatchment 57I: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	5.57	0.00	28.60	5.81	5.57	0.00
26.05	5.81	5.57	0.00	28.65	5.81	5.57	0.00
26.10	5.81	5.57	0.00	28.70	5.81	5.57	0.00
26.15	5.81	5.57	0.00	28.75	5.81	5.57	0.00
26.20	5.81	5.57	0.00	28.80	5.81	5.57	0.00
26.25	5.81	5.57	0.00	28.85	5.81	5.57	0.00
26.30	5.81	5.57	0.00	28.90	5.81	5.57	0.00
26.35	5.81	5.57	0.00	28.95	5.81	5.57	0.00
26.40	5.81	5.57	0.00	29.00	5.81	5.57	0.00
26.45	5.81	5.57	0.00	29.05	5.81	5.57	0.00
26.50	5.81	5.57	0.00	29.10	5.81	5.57	0.00
26.55	5.81	5.57	0.00	29.15	5.81	5.57	0.00
26.60	5.81	5.57	0.00	29.20	5.81	5.57	0.00
26.65	5.81	5.57	0.00	29.25	5.81	5.57	0.00
26.70	5.81	5.57	0.00	29.30	5.81	5.57	0.00
26.75	5.81	5.57	0.00	29.35	5.81	5.57	0.00
26.80	5.81	5.57	0.00	29.40	5.81	5.57	0.00
26.85	5.81	5.57	0.00	29.45	5.81	5.57	0.00
26.90	5.81	5.57	0.00	29.50	5.81	5.57	0.00
26.95	5.81	5.57	0.00	29.55	5.81	5.57	0.00
27.00	5.81	5.57	0.00	29.60	5.81	5.57	0.00
27.05	5.81	5.57	0.00	29.65	5.81	5.57	0.00
27.10	5.81	5.57	0.00	29.70	5.81	5.57	0.00
27.15	5.81	5.57	0.00	29.75	5.81	5.57	0.00
27.20	5.81	5.57	0.00	29.80	5.81	5.57	0.00
27.25	5.81	5.57	0.00	29.85	5.81	5.57	0.00
27.30	5.81	5.57	0.00	29.90	5.81	5.57	0.00
27.35	5.81	5.57	0.00	29.95	5.81	5.57	0.00
27.40	5.81	5.57	0.00	30.00	5.81	5.57	0.00
27.45	5.81	5.57	0.00	30.05	5.81	5.57	0.00
27.50	5.81	5.57	0.00	30.10	5.81	5.57	0.00
27.55	5.81	5.57	0.00	30.15	5.81	5.57	0.00
27.60	5.81	5.57	0.00	30.20	5.81	5.57	0.00
27.65	5.81	5.57	0.00	30.25	5.81	5.57	0.00
27.70	5.81	5.57	0.00	30.30	5.81	5.57	0.00
27.75	5.81	5.57	0.00	30.35	5.81	5.57	0.00
27.80	5.81	5.57	0.00	30.40	5.81	5.57	0.00
27.85	5.81	5.57	0.00	30.45	5.81	5.57	0.00
27.90	5.81	5.57	0.00	30.50	5.81	5.57	0.00
27.95	5.81	5.57	0.00	30.55	5.81	5.57	0.00
28.00	5.81	5.57	0.00	30.60	5.81	5.57	0.00
28.05	5.81	5.57	0.00	30.65	5.81	5.57	0.00
28.10	5.81	5.57	0.00	30.70	5.81	5.57	0.00
28.15	5.81	5.57	0.00	30.75	5.81	5.57	0.00
28.20	5.81	5.57	0.00	30.80	5.81	5.57	0.00
28.25	5.81	5.57	0.00	30.85	5.81	5.57	0.00
28.30	5.81	5.57	0.00	30.90	5.81	5.57	0.00
28.35	5.81	5.57	0.00	30.95	5.81	5.57	0.00
28.40	5.81	5.57	0.00	31.00	5.81	5.57	0.00
28.45	5.81	5.57	0.00	31.05	5.81	5.57	0.00
28.50	5.81	5.57	0.00	31.10	5.81	5.57	0.00
28.55	5.81	5.57	0.00	31.15	5.81	5.57	0.00

Hydrograph for Subcatchment 57l: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	5.57	0.00	33.80	5.81	5.57	0.00
31.25	5.81	5.57	0.00	33.85	5.81	5.57	0.00
31.30	5.81	5.57	0.00	33.90	5.81	5.57	0.00
31.35	5.81	5.57	0.00	33.95	5.81	5.57	0.00
31.40	5.81	5.57	0.00	34.00	5.81	5.57	0.00
31.45	5.81	5.57	0.00	34.05	5.81	5.57	0.00
31.50	5.81	5.57	0.00	34.10	5.81	5.57	0.00
31.55	5.81	5.57	0.00	34.15	5.81	5.57	0.00
31.60	5.81	5.57	0.00	34.20	5.81	5.57	0.00
31.65	5.81	5.57	0.00	34.25	5.81	5.57	0.00
31.70	5.81	5.57	0.00	34.30	5.81	5.57	0.00
31.75	5.81	5.57	0.00	34.35	5.81	5.57	0.00
31.80	5.81	5.57	0.00	34.40	5.81	5.57	0.00
31.85	5.81	5.57	0.00	34.45	5.81	5.57	0.00
31.90	5.81	5.57	0.00	34.50	5.81	5.57	0.00
31.95	5.81	5.57	0.00	34.55	5.81	5.57	0.00
32.00	5.81	5.57	0.00	34.60	5.81	5.57	0.00
32.05	5.81	5.57	0.00	34.65	5.81	5.57	0.00
32.10	5.81	5.57	0.00	34.70	5.81	5.57	0.00
32.15	5.81	5.57	0.00	34.75	5.81	5.57	0.00
32.20	5.81	5.57	0.00	34.80	5.81	5.57	0.00
32.25	5.81	5.57	0.00	34.85	5.81	5.57	0.00
32.30	5.81	5.57	0.00	34.90	5.81	5.57	0.00
32.35	5.81	5.57	0.00	34.95	5.81	5.57	0.00
32.40	5.81	5.57	0.00	35.00	5.81	5.57	0.00
32.45	5.81	5.57	0.00	35.05	5.81	5.57	0.00
32.50	5.81	5.57	0.00	35.10	5.81	5.57	0.00
32.55	5.81	5.57	0.00	35.15	5.81	5.57	0.00
32.60	5.81	5.57	0.00	35.20	5.81	5.57	0.00
32.65	5.81	5.57	0.00	35.25	5.81	5.57	0.00
32.70	5.81	5.57	0.00	35.30	5.81	5.57	0.00
32.75	5.81	5.57	0.00	35.35	5.81	5.57	0.00
32.80	5.81	5.57	0.00	35.40	5.81	5.57	0.00
32.85	5.81	5.57	0.00	35.45	5.81	5.57	0.00
32.90	5.81	5.57	0.00	35.50	5.81	5.57	0.00
32.95	5.81	5.57	0.00	35.55	5.81	5.57	0.00
33.00	5.81	5.57	0.00	35.60	5.81	5.57	0.00
33.05	5.81	5.57	0.00	35.65	5.81	5.57	0.00
33.10	5.81	5.57	0.00	35.70	5.81	5.57	0.00
33.15	5.81	5.57	0.00	35.75	5.81	5.57	0.00
33.20	5.81	5.57	0.00	35.80	5.81	5.57	0.00
33.25	5.81	5.57	0.00	35.85	5.81	5.57	0.00
33.30	5.81	5.57	0.00	35.90	5.81	5.57	0.00
33.35	5.81	5.57	0.00	35.95	5.81	5.57	0.00
33.40	5.81	5.57	0.00	36.00	5.81	5.57	0.00
33.45	5.81	5.57	0.00	36.05	5.81	5.57	0.00
33.50	5.81	5.57	0.00	36.10	5.81	5.57	0.00
33.55	5.81	5.57	0.00	36.15	5.81	5.57	0.00
33.60	5.81	5.57	0.00	36.20	5.81	5.57	0.00
33.65	5.81	5.57	0.00	36.25	5.81	5.57	0.00
33.70	5.81	5.57	0.00	36.30	5.81	5.57	0.00
33.75	5.81	5.57	0.00	36.35	5.81	5.57	0.00

Hydrograph for Subcatchment 57l: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	5.57	0.00
36.45	5.81	5.57	0.00
36.50	5.81	5.57	0.00
36.55	5.81	5.57	0.00
36.60	5.81	5.57	0.00
36.65	5.81	5.57	0.00
36.70	5.81	5.57	0.00
36.75	5.81	5.57	0.00
36.80	5.81	5.57	0.00
36.85	5.81	5.57	0.00
36.90	5.81	5.57	0.00
36.95	5.81	5.57	0.00
37.00	5.81	5.57	0.00
37.05	5.81	5.57	0.00
37.10	5.81	5.57	0.00
37.15	5.81	5.57	0.00
37.20	5.81	5.57	0.00
37.25	5.81	5.57	0.00
37.30	5.81	5.57	0.00
37.35	5.81	5.57	0.00
37.40	5.81	5.57	0.00
37.45	5.81	5.57	0.00
37.50	5.81	5.57	0.00
37.55	5.81	5.57	0.00
37.60	5.81	5.57	0.00
37.65	5.81	5.57	0.00
37.70	5.81	5.57	0.00
37.75	5.81	5.57	0.00
37.80	5.81	5.57	0.00
37.85	5.81	5.57	0.00
37.90	5.81	5.57	0.00
37.95	5.81	5.57	0.00
38.00	5.81	5.57	0.00
38.05	5.81	5.57	0.00
38.10	5.81	5.57	0.00
38.15	5.81	5.57	0.00
38.20	5.81	5.57	0.00
38.25	5.81	5.57	0.00
38.30	5.81	5.57	0.00
38.35	5.81	5.57	0.00
38.40	5.81	5.57	0.00
38.45	5.81	5.57	0.00
38.50	5.81	5.57	0.00
38.55	5.81	5.57	0.00
38.60	5.81	5.57	0.00
38.65	5.81	5.57	0.00
38.70	5.81	5.57	0.00
38.75	5.81	5.57	0.00
38.80	5.81	5.57	0.00
38.85	5.81	5.57	0.00
38.90	5.81	5.57	0.00
38.95	5.81	5.57	0.00
39.00	5.81	5.57	0.00
39.05	5.81	5.57	0.00
39.10	5.81	5.57	0.00
39.15	5.81	5.57	0.00
39.20	5.81	5.57	0.00
39.25	5.81	5.57	0.00
39.30	5.81	5.57	0.00
39.35	5.81	5.57	0.00
39.40	5.81	5.57	0.00
39.45	5.81	5.57	0.00
39.50	5.81	5.57	0.00
39.55	5.81	5.57	0.00
39.60	5.81	5.57	0.00
39.65	5.81	5.57	0.00
39.70	5.81	5.57	0.00
39.75	5.81	5.57	0.00
39.80	5.81	5.57	0.00
39.85	5.81	5.57	0.00
39.90	5.81	5.57	0.00
39.95	5.81	5.57	0.00
40.00	5.81	5.57	0.00

Summary for Subcatchment 57P: PDA-57 (pervious)

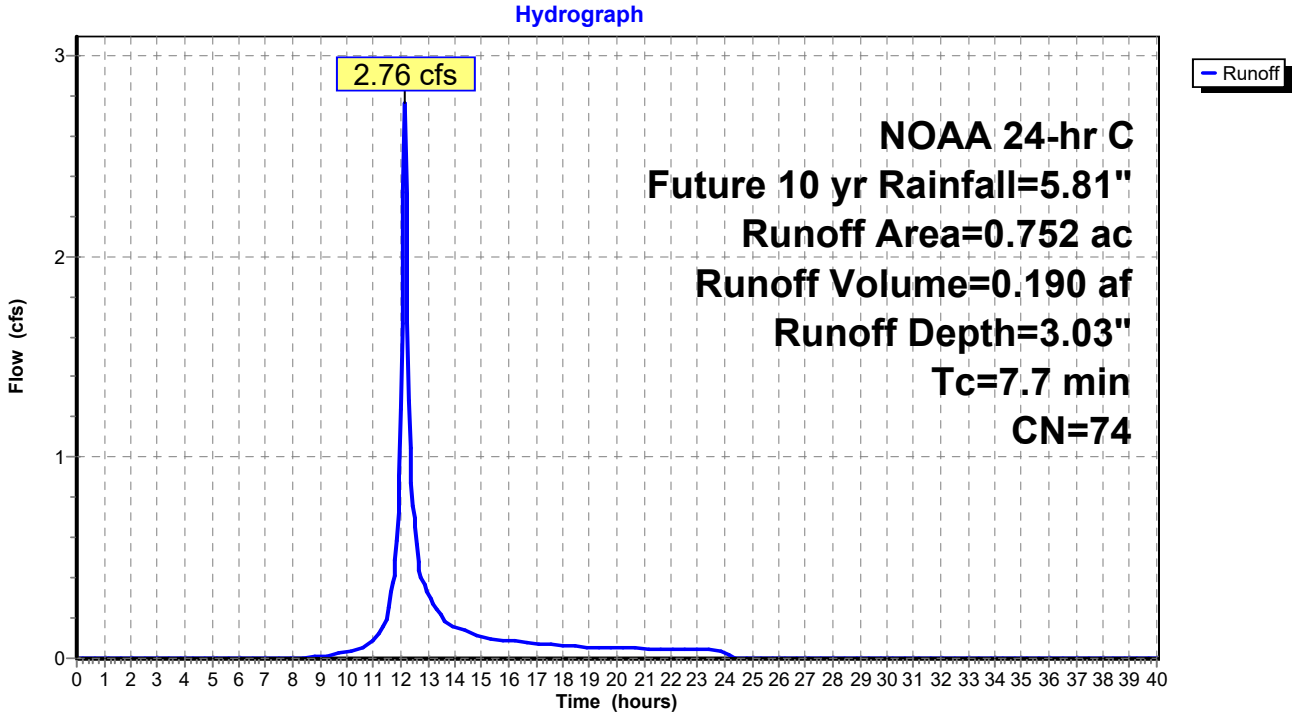
Runoff = 2.76 cfs @ 12.15 hrs, Volume= 0.190 af, Depth= 3.03"
Routed to Pond B-57 : Basin #57

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
0.752	74	>75% Grass cover, Good, HSG C
0.752		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
7.7					**Direct Entry,**

Subcatchment 57P: PDA-57 (pervious)



Hydrograph for Subcatchment 57P: PDA-57 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.00
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.00
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.00
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.00
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.00
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.00
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.01
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.01
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.01
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.01
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.01
6.35	0.50	0.00	0.00	8.95	0.84	0.01	0.01
6.40	0.50	0.00	0.00	9.00	0.85	0.01	0.01
6.45	0.51	0.00	0.00	9.05	0.86	0.01	0.01
6.50	0.51	0.00	0.00	9.10	0.87	0.01	0.01
6.55	0.52	0.00	0.00	9.15	0.87	0.01	0.01
6.60	0.52	0.00	0.00	9.20	0.88	0.01	0.01
6.65	0.53	0.00	0.00	9.25	0.89	0.01	0.01
6.70	0.53	0.00	0.00	9.30	0.90	0.01	0.01
6.75	0.54	0.00	0.00	9.35	0.91	0.01	0.01
6.80	0.54	0.00	0.00	9.40	0.92	0.01	0.02
6.85	0.55	0.00	0.00	9.45	0.93	0.01	0.02
6.90	0.56	0.00	0.00	9.50	0.94	0.02	0.02
6.95	0.56	0.00	0.00	9.55	0.95	0.02	0.02
7.00	0.57	0.00	0.00	9.60	0.96	0.02	0.02
7.05	0.57	0.00	0.00	9.65	0.98	0.02	0.02
7.10	0.58	0.00	0.00	9.70	0.99	0.02	0.02
7.15	0.58	0.00	0.00	9.75	1.00	0.02	0.02
7.20	0.59	0.00	0.00	9.80	1.01	0.02	0.02
7.25	0.60	0.00	0.00	9.85	1.02	0.03	0.03
7.30	0.60	0.00	0.00	9.90	1.03	0.03	0.03
7.35	0.61	0.00	0.00	9.95	1.05	0.03	0.03
7.40	0.62	0.00	0.00	10.00	1.06	0.03	0.03
7.45	0.62	0.00	0.00	10.05	1.07	0.04	0.03
7.50	0.63	0.00	0.00	10.10	1.09	0.04	0.03
7.55	0.64	0.00	0.00	10.15	1.10	0.04	0.03
7.60	0.64	0.00	0.00	10.20	1.11	0.04	0.04
7.65	0.65	0.00	0.00	10.25	1.13	0.05	0.04
7.70	0.65	0.00	0.00	10.30	1.14	0.05	0.04
7.75	0.66	0.00	0.00	10.35	1.15	0.05	0.04

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.05	0.04	13.00	4.42	1.91	0.33
10.45	1.18	0.06	0.05	13.05	4.44	1.93	0.31
10.50	1.20	0.06	0.05	13.10	4.46	1.94	0.29
10.55	1.21	0.06	0.05	13.15	4.48	1.96	0.28
10.60	1.23	0.07	0.05	13.20	4.50	1.98	0.26
10.65	1.25	0.07	0.06	13.25	4.52	1.99	0.25
10.70	1.27	0.08	0.06	13.30	4.54	2.01	0.24
10.75	1.29	0.08	0.07	13.35	4.56	2.02	0.23
10.80	1.31	0.09	0.07	13.40	4.58	2.03	0.22
10.85	1.33	0.09	0.08	13.45	4.60	2.05	0.21
10.90	1.35	0.10	0.08	13.50	4.61	2.06	0.21
10.95	1.37	0.11	0.09	13.55	4.63	2.07	0.20
11.00	1.39	0.11	0.09	13.60	4.64	2.08	0.19
11.05	1.42	0.12	0.10	13.65	4.66	2.09	0.18
11.10	1.45	0.13	0.11	13.70	4.67	2.10	0.17
11.15	1.48	0.14	0.12	13.75	4.68	2.12	0.17
11.20	1.51	0.15	0.13	13.80	4.70	2.13	0.17
11.25	1.54	0.16	0.14	13.85	4.71	2.14	0.16
11.30	1.57	0.17	0.15	13.90	4.72	2.15	0.16
11.35	1.61	0.18	0.17	13.95	4.74	2.16	0.16
11.40	1.64	0.20	0.18	14.00	4.75	2.17	0.16
11.45	1.68	0.21	0.19	14.05	4.76	2.18	0.15
11.50	1.72	0.23	0.21	14.10	4.78	2.19	0.15
11.55	1.78	0.25	0.23	14.15	4.79	2.20	0.15
11.60	1.83	0.28	0.28	14.20	4.80	2.21	0.15
11.65	1.90	0.30	0.34	14.25	4.81	2.21	0.14
11.70	1.96	0.33	0.37	14.30	4.82	2.22	0.14
11.75	2.04	0.37	0.41	14.35	4.83	2.23	0.14
11.80	2.13	0.41	0.49	14.40	4.85	2.24	0.14
11.85	2.25	0.47	0.59	14.45	4.86	2.25	0.13
11.90	2.36	0.53	0.72	14.50	4.87	2.26	0.13
11.95	2.57	0.65	0.90	14.55	4.88	2.27	0.13
12.00	2.77	0.77	1.24	14.60	4.89	2.27	0.13
12.05	3.11	0.98	1.66	14.65	4.90	2.28	0.12
12.10	3.45	1.20	2.32	14.70	4.91	2.29	0.12
12.15	3.56	1.28	**2.76**	14.75	4.92	2.30	0.12
12.20	3.68	1.37	2.31	14.80	4.93	2.31	0.12
12.25	3.77	1.43	1.67	14.85	4.94	2.31	0.11
12.30	3.85	1.49	1.28	14.90	4.94	2.32	0.11
12.35	3.91	1.53	1.05	14.95	4.95	2.33	0.11
12.40	3.98	1.58	0.87	15.00	4.96	2.33	0.11
12.45	4.03	1.62	0.76	15.05	4.97	2.34	0.10
12.50	4.09	1.67	0.70	15.10	4.98	2.35	0.10
12.55	4.13	1.69	0.65	15.15	4.99	2.35	0.10
12.60	4.17	1.72	0.57	15.20	4.99	2.36	0.10
12.65	4.20	1.75	0.48	15.25	5.00	2.37	0.10
12.70	4.24	1.77	0.44	15.30	5.01	2.37	0.10
12.75	4.27	1.80	0.41	15.35	5.02	2.38	0.10
12.80	4.30	1.82	0.39	15.40	5.03	2.38	0.10
12.85	4.33	1.85	0.38	15.45	5.03	2.39	0.09
12.90	4.36	1.87	0.36	15.50	5.04	2.40	0.09
12.95	4.39	1.89	0.34	15.55	5.05	2.40	0.09

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	2.41	0.09	18.20	5.37	2.66	0.06
15.65	5.06	2.41	0.09	18.25	5.37	2.67	0.06
15.70	5.07	2.42	0.09	18.30	5.38	2.67	0.06
15.75	5.08	2.43	0.09	18.35	5.38	2.67	0.06
15.80	5.09	2.43	0.09	18.40	5.39	2.68	0.06
15.85	5.09	2.44	0.09	18.45	5.39	2.68	0.06
15.90	5.10	2.44	0.09	18.50	5.40	2.68	0.06
15.95	5.11	2.45	0.09	18.55	5.40	2.69	0.06
16.00	5.11	2.46	0.09	18.60	5.40	2.69	0.06
16.05	5.12	2.46	0.09	18.65	5.41	2.69	0.06
16.10	5.13	2.47	0.09	18.70	5.41	2.70	0.06
16.15	5.13	2.47	0.09	18.75	5.42	2.70	0.06
16.20	5.14	2.48	0.08	18.80	5.42	2.71	0.06
16.25	5.15	2.48	0.08	18.85	5.43	2.71	0.06
16.30	5.16	2.49	0.08	18.90	5.43	2.71	0.06
16.35	5.16	2.49	0.08	18.95	5.44	2.72	0.06
16.40	5.17	2.50	0.08	19.00	5.44	2.72	0.06
16.45	5.17	2.50	0.08	19.05	5.44	2.72	0.05
16.50	5.18	2.51	0.08	19.10	5.45	2.73	0.05
16.55	5.19	2.52	0.08	19.15	5.45	2.73	0.05
16.60	5.19	2.52	0.08	19.20	5.46	2.73	0.05
16.65	5.20	2.53	0.08	19.25	5.46	2.74	0.05
16.70	5.21	2.53	0.08	19.30	5.47	2.74	0.05
16.75	5.21	2.54	0.08	19.35	5.47	2.75	0.05
16.80	5.22	2.54	0.08	19.40	5.48	2.75	0.05
16.85	5.23	2.55	0.08	19.45	5.48	2.75	0.05
16.90	5.23	2.55	0.08	19.50	5.48	2.76	0.05
16.95	5.24	2.55	0.07	19.55	5.49	2.76	0.05
17.00	5.24	2.56	0.07	19.60	5.49	2.76	0.05
17.05	5.25	2.56	0.07	19.65	5.50	2.77	0.05
17.10	5.25	2.57	0.07	19.70	5.50	2.77	0.05
17.15	5.26	2.57	0.07	19.75	5.50	2.77	0.05
17.20	5.27	2.58	0.07	19.80	5.51	2.78	0.05
17.25	5.27	2.58	0.07	19.85	5.51	2.78	0.05
17.30	5.28	2.59	0.07	19.90	5.52	2.78	0.05
17.35	5.28	2.59	0.07	19.95	5.52	2.79	0.05
17.40	5.29	2.60	0.07	20.00	5.53	2.79	0.05
17.45	5.29	2.60	0.07	20.05	5.53	2.79	0.05
17.50	5.30	2.61	0.07	20.10	5.53	2.80	0.05
17.55	5.30	2.61	0.07	20.15	5.54	2.80	0.05
17.60	5.31	2.61	0.07	20.20	5.54	2.80	0.05
17.65	5.31	2.62	0.07	20.25	5.55	2.81	0.05
17.70	5.32	2.62	0.06	20.30	5.55	2.81	0.05
17.75	5.33	2.63	0.06	20.35	5.55	2.81	0.05
17.80	5.33	2.63	0.06	20.40	5.56	2.82	0.05
17.85	5.34	2.63	0.06	20.45	5.56	2.82	0.05
17.90	5.34	2.64	0.06	20.50	5.57	2.82	0.05
17.95	5.34	2.64	0.06	20.55	5.57	2.83	0.05
18.00	5.35	2.65	0.06	20.60	5.57	2.83	0.05
18.05	5.35	2.65	0.06	20.65	5.58	2.83	0.05
18.10	5.36	2.65	0.06	20.70	5.58	2.84	0.05
18.15	5.36	2.66	0.06	20.75	5.59	2.84	0.05

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.84	0.05	23.40	5.77	2.99	0.04
20.85	5.59	2.85	0.05	23.45	5.78	3.00	0.04
20.90	5.60	2.85	0.05	23.50	5.78	3.00	0.04
20.95	5.60	2.85	0.05	23.55	5.78	3.00	0.04
21.00	5.61	2.86	0.05	23.60	5.78	3.00	0.04
21.05	5.61	2.86	0.05	23.65	5.79	3.01	0.04
21.10	5.61	2.86	0.05	23.70	5.79	3.01	0.04
21.15	5.62	2.87	0.05	23.75	5.79	3.01	0.04
21.20	5.62	2.87	0.05	23.80	5.80	3.01	0.04
21.25	5.62	2.87	0.05	23.85	5.80	3.02	0.04
21.30	5.63	2.87	0.05	23.90	5.80	3.02	0.04
21.35	5.63	2.88	0.05	23.95	5.81	3.02	0.04
21.40	5.64	2.88	0.05	24.00	**5.81**	**3.03**	0.04
21.45	5.64	2.88	0.05	24.05	5.81	3.03	0.04
21.50	5.64	2.89	0.05	24.10	5.81	3.03	0.03
21.55	5.65	2.89	0.05	24.15	5.81	3.03	0.01
21.60	5.65	2.89	0.05	24.20	5.81	3.03	0.00
21.65	5.65	2.90	0.05	24.25	5.81	3.03	0.00
21.70	5.66	2.90	0.05	24.30	5.81	3.03	0.00
21.75	5.66	2.90	0.05	24.35	5.81	3.03	0.00
21.80	5.66	2.90	0.05	24.40	5.81	3.03	0.00
21.85	5.67	2.91	0.05	24.45	5.81	3.03	0.00
21.90	5.67	2.91	0.05	24.50	5.81	3.03	0.00
21.95	5.68	2.91	0.05	24.55	5.81	3.03	0.00
22.00	5.68	2.92	0.04	24.60	5.81	3.03	0.00
22.05	5.68	2.92	0.04	24.65	5.81	3.03	0.00
22.10	5.69	2.92	0.04	24.70	5.81	3.03	0.00
22.15	5.69	2.93	0.04	24.75	5.81	3.03	0.00
22.20	5.69	2.93	0.04	24.80	5.81	3.03	0.00
22.25	5.70	2.93	0.04	24.85	5.81	3.03	0.00
22.30	5.70	2.93	0.04	24.90	5.81	3.03	0.00
22.35	5.70	2.94	0.04	24.95	5.81	3.03	0.00
22.40	5.71	2.94	0.04	25.00	5.81	3.03	0.00
22.45	5.71	2.94	0.04	25.05	5.81	3.03	0.00
22.50	5.71	2.95	0.04	25.10	5.81	3.03	0.00
22.55	5.72	2.95	0.04	25.15	5.81	3.03	0.00
22.60	5.72	2.95	0.04	25.20	5.81	3.03	0.00
22.65	5.72	2.95	0.04	25.25	5.81	3.03	0.00
22.70	5.73	2.96	0.04	25.30	5.81	3.03	0.00
22.75	5.73	2.96	0.04	25.35	5.81	3.03	0.00
22.80	5.73	2.96	0.04	25.40	5.81	3.03	0.00
22.85	5.74	2.96	0.04	25.45	5.81	3.03	0.00
22.90	5.74	2.97	0.04	25.50	5.81	3.03	0.00
22.95	5.74	2.97	0.04	25.55	5.81	3.03	0.00
23.00	5.75	2.97	0.04	25.60	5.81	3.03	0.00
23.05	5.75	2.98	0.04	25.65	5.81	3.03	0.00
23.10	5.75	2.98	0.04	25.70	5.81	3.03	0.00
23.15	5.76	2.98	0.04	25.75	5.81	3.03	0.00
23.20	5.76	2.98	0.04	25.80	5.81	3.03	0.00
23.25	5.76	2.99	0.04	25.85	5.81	3.03	0.00
23.30	5.77	2.99	0.04	25.90	5.81	3.03	0.00
23.35	5.77	2.99	0.04	25.95	5.81	3.03	0.00

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	3.03	0.00	28.60	5.81	3.03	0.00
26.05	5.81	3.03	0.00	28.65	5.81	3.03	0.00
26.10	5.81	3.03	0.00	28.70	5.81	3.03	0.00
26.15	5.81	3.03	0.00	28.75	5.81	3.03	0.00
26.20	5.81	3.03	0.00	28.80	5.81	3.03	0.00
26.25	5.81	3.03	0.00	28.85	5.81	3.03	0.00
26.30	5.81	3.03	0.00	28.90	5.81	3.03	0.00
26.35	5.81	3.03	0.00	28.95	5.81	3.03	0.00
26.40	5.81	3.03	0.00	29.00	5.81	3.03	0.00
26.45	5.81	3.03	0.00	29.05	5.81	3.03	0.00
26.50	5.81	3.03	0.00	29.10	5.81	3.03	0.00
26.55	5.81	3.03	0.00	29.15	5.81	3.03	0.00
26.60	5.81	3.03	0.00	29.20	5.81	3.03	0.00
26.65	5.81	3.03	0.00	29.25	5.81	3.03	0.00
26.70	5.81	3.03	0.00	29.30	5.81	3.03	0.00
26.75	5.81	3.03	0.00	29.35	5.81	3.03	0.00
26.80	5.81	3.03	0.00	29.40	5.81	3.03	0.00
26.85	5.81	3.03	0.00	29.45	5.81	3.03	0.00
26.90	5.81	3.03	0.00	29.50	5.81	3.03	0.00
26.95	5.81	3.03	0.00	29.55	5.81	3.03	0.00
27.00	5.81	3.03	0.00	29.60	5.81	3.03	0.00
27.05	5.81	3.03	0.00	29.65	5.81	3.03	0.00
27.10	5.81	3.03	0.00	29.70	5.81	3.03	0.00
27.15	5.81	3.03	0.00	29.75	5.81	3.03	0.00
27.20	5.81	3.03	0.00	29.80	5.81	3.03	0.00
27.25	5.81	3.03	0.00	29.85	5.81	3.03	0.00
27.30	5.81	3.03	0.00	29.90	5.81	3.03	0.00
27.35	5.81	3.03	0.00	29.95	5.81	3.03	0.00
27.40	5.81	3.03	0.00	30.00	5.81	3.03	0.00
27.45	5.81	3.03	0.00	30.05	5.81	3.03	0.00
27.50	5.81	3.03	0.00	30.10	5.81	3.03	0.00
27.55	5.81	3.03	0.00	30.15	5.81	3.03	0.00
27.60	5.81	3.03	0.00	30.20	5.81	3.03	0.00
27.65	5.81	3.03	0.00	30.25	5.81	3.03	0.00
27.70	5.81	3.03	0.00	30.30	5.81	3.03	0.00
27.75	5.81	3.03	0.00	30.35	5.81	3.03	0.00
27.80	5.81	3.03	0.00	30.40	5.81	3.03	0.00
27.85	5.81	3.03	0.00	30.45	5.81	3.03	0.00
27.90	5.81	3.03	0.00	30.50	5.81	3.03	0.00
27.95	5.81	3.03	0.00	30.55	5.81	3.03	0.00
28.00	5.81	3.03	0.00	30.60	5.81	3.03	0.00
28.05	5.81	3.03	0.00	30.65	5.81	3.03	0.00
28.10	5.81	3.03	0.00	30.70	5.81	3.03	0.00
28.15	5.81	3.03	0.00	30.75	5.81	3.03	0.00
28.20	5.81	3.03	0.00	30.80	5.81	3.03	0.00
28.25	5.81	3.03	0.00	30.85	5.81	3.03	0.00
28.30	5.81	3.03	0.00	30.90	5.81	3.03	0.00
28.35	5.81	3.03	0.00	30.95	5.81	3.03	0.00
28.40	5.81	3.03	0.00	31.00	5.81	3.03	0.00
28.45	5.81	3.03	0.00	31.05	5.81	3.03	0.00
28.50	5.81	3.03	0.00	31.10	5.81	3.03	0.00
28.55	5.81	3.03	0.00	31.15	5.81	3.03	0.00

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	3.03	0.00	33.80	5.81	3.03	0.00
31.25	5.81	3.03	0.00	33.85	5.81	3.03	0.00
31.30	5.81	3.03	0.00	33.90	5.81	3.03	0.00
31.35	5.81	3.03	0.00	33.95	5.81	3.03	0.00
31.40	5.81	3.03	0.00	34.00	5.81	3.03	0.00
31.45	5.81	3.03	0.00	34.05	5.81	3.03	0.00
31.50	5.81	3.03	0.00	34.10	5.81	3.03	0.00
31.55	5.81	3.03	0.00	34.15	5.81	3.03	0.00
31.60	5.81	3.03	0.00	34.20	5.81	3.03	0.00
31.65	5.81	3.03	0.00	34.25	5.81	3.03	0.00
31.70	5.81	3.03	0.00	34.30	5.81	3.03	0.00
31.75	5.81	3.03	0.00	34.35	5.81	3.03	0.00
31.80	5.81	3.03	0.00	34.40	5.81	3.03	0.00
31.85	5.81	3.03	0.00	34.45	5.81	3.03	0.00
31.90	5.81	3.03	0.00	34.50	5.81	3.03	0.00
31.95	5.81	3.03	0.00	34.55	5.81	3.03	0.00
32.00	5.81	3.03	0.00	34.60	5.81	3.03	0.00
32.05	5.81	3.03	0.00	34.65	5.81	3.03	0.00
32.10	5.81	3.03	0.00	34.70	5.81	3.03	0.00
32.15	5.81	3.03	0.00	34.75	5.81	3.03	0.00
32.20	5.81	3.03	0.00	34.80	5.81	3.03	0.00
32.25	5.81	3.03	0.00	34.85	5.81	3.03	0.00
32.30	5.81	3.03	0.00	34.90	5.81	3.03	0.00
32.35	5.81	3.03	0.00	34.95	5.81	3.03	0.00
32.40	5.81	3.03	0.00	35.00	5.81	3.03	0.00
32.45	5.81	3.03	0.00	35.05	5.81	3.03	0.00
32.50	5.81	3.03	0.00	35.10	5.81	3.03	0.00
32.55	5.81	3.03	0.00	35.15	5.81	3.03	0.00
32.60	5.81	3.03	0.00	35.20	5.81	3.03	0.00
32.65	5.81	3.03	0.00	35.25	5.81	3.03	0.00
32.70	5.81	3.03	0.00	35.30	5.81	3.03	0.00
32.75	5.81	3.03	0.00	35.35	5.81	3.03	0.00
32.80	5.81	3.03	0.00	35.40	5.81	3.03	0.00
32.85	5.81	3.03	0.00	35.45	5.81	3.03	0.00
32.90	5.81	3.03	0.00	35.50	5.81	3.03	0.00
32.95	5.81	3.03	0.00	35.55	5.81	3.03	0.00
33.00	5.81	3.03	0.00	35.60	5.81	3.03	0.00
33.05	5.81	3.03	0.00	35.65	5.81	3.03	0.00
33.10	5.81	3.03	0.00	35.70	5.81	3.03	0.00
33.15	5.81	3.03	0.00	35.75	5.81	3.03	0.00
33.20	5.81	3.03	0.00	35.80	5.81	3.03	0.00
33.25	5.81	3.03	0.00	35.85	5.81	3.03	0.00
33.30	5.81	3.03	0.00	35.90	5.81	3.03	0.00
33.35	5.81	3.03	0.00	35.95	5.81	3.03	0.00
33.40	5.81	3.03	0.00	36.00	5.81	3.03	0.00
33.45	5.81	3.03	0.00	36.05	5.81	3.03	0.00
33.50	5.81	3.03	0.00	36.10	5.81	3.03	0.00
33.55	5.81	3.03	0.00	36.15	5.81	3.03	0.00
33.60	5.81	3.03	0.00	36.20	5.81	3.03	0.00
33.65	5.81	3.03	0.00	36.25	5.81	3.03	0.00
33.70	5.81	3.03	0.00	36.30	5.81	3.03	0.00
33.75	5.81	3.03	0.00	36.35	5.81	3.03	0.00

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	3.03	0.00
36.45	5.81	3.03	0.00
36.50	5.81	3.03	0.00
36.55	5.81	3.03	0.00
36.60	5.81	3.03	0.00
36.65	5.81	3.03	0.00
36.70	5.81	3.03	0.00
36.75	5.81	3.03	0.00
36.80	5.81	3.03	0.00
36.85	5.81	3.03	0.00
36.90	5.81	3.03	0.00
36.95	5.81	3.03	0.00
37.00	5.81	3.03	0.00
37.05	5.81	3.03	0.00
37.10	5.81	3.03	0.00
37.15	5.81	3.03	0.00
37.20	5.81	3.03	0.00
37.25	5.81	3.03	0.00
37.30	5.81	3.03	0.00
37.35	5.81	3.03	0.00
37.40	5.81	3.03	0.00
37.45	5.81	3.03	0.00
37.50	5.81	3.03	0.00
37.55	5.81	3.03	0.00
37.60	5.81	3.03	0.00
37.65	5.81	3.03	0.00
37.70	5.81	3.03	0.00
37.75	5.81	3.03	0.00
37.80	5.81	3.03	0.00
37.85	5.81	3.03	0.00
37.90	5.81	3.03	0.00
37.95	5.81	3.03	0.00
38.00	5.81	3.03	0.00
38.05	5.81	3.03	0.00
38.10	5.81	3.03	0.00
38.15	5.81	3.03	0.00
38.20	5.81	3.03	0.00
38.25	5.81	3.03	0.00
38.30	5.81	3.03	0.00
38.35	5.81	3.03	0.00
38.40	5.81	3.03	0.00
38.45	5.81	3.03	0.00
38.50	5.81	3.03	0.00
38.55	5.81	3.03	0.00
38.60	5.81	3.03	0.00
38.65	5.81	3.03	0.00
38.70	5.81	3.03	0.00
38.75	5.81	3.03	0.00
38.80	5.81	3.03	0.00
38.85	5.81	3.03	0.00
38.90	5.81	3.03	0.00
38.95	5.81	3.03	0.00
39.00	5.81	3.03	0.00
39.05	5.81	3.03	0.00
39.10	5.81	3.03	0.00
39.15	5.81	3.03	0.00
39.20	5.81	3.03	0.00
39.25	5.81	3.03	0.00
39.30	5.81	3.03	0.00
39.35	5.81	3.03	0.00
39.40	5.81	3.03	0.00
39.45	5.81	3.03	0.00
39.50	5.81	3.03	0.00
39.55	5.81	3.03	0.00
39.60	5.81	3.03	0.00
39.65	5.81	3.03	0.00
39.70	5.81	3.03	0.00
39.75	5.81	3.03	0.00
39.80	5.81	3.03	0.00
39.85	5.81	3.03	0.00
39.90	5.81	3.03	0.00
39.95	5.81	3.03	0.00
40.00	5.81	3.03	0.00

Summary for Subcatchment 58I: PDA-58 (impervious)

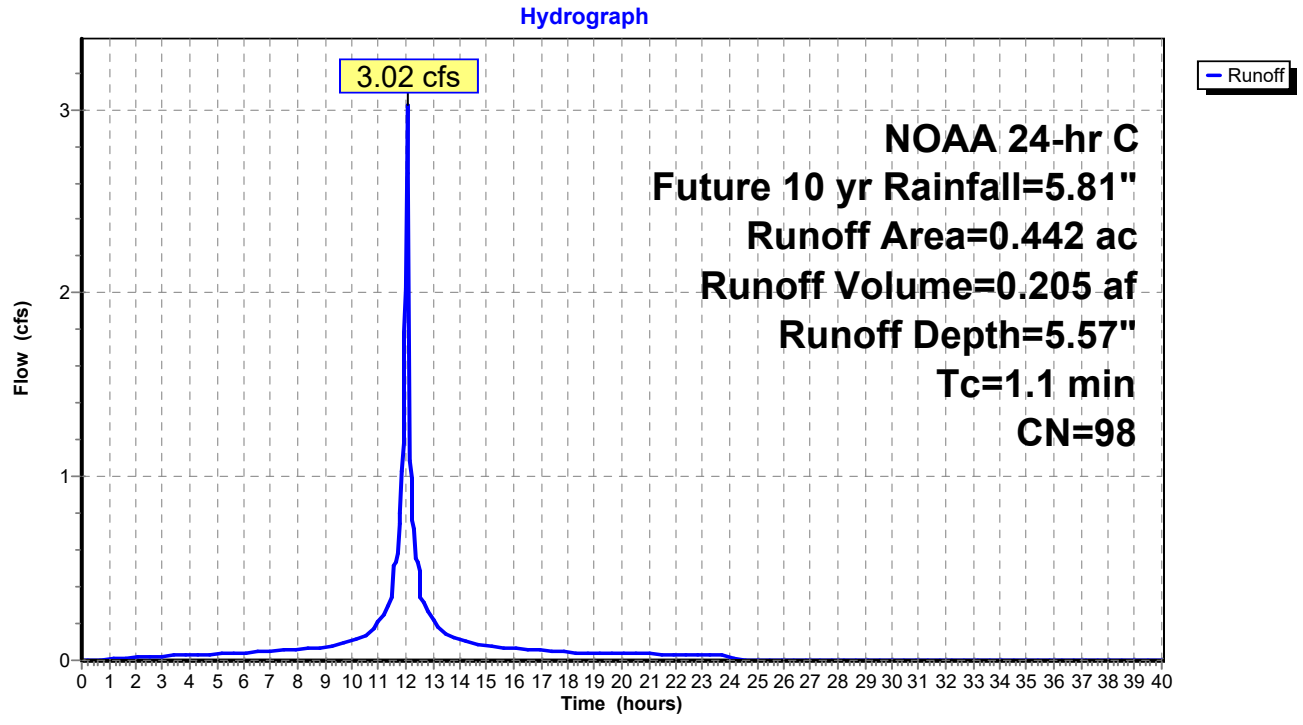
Runoff = 3.02 cfs @ 12.06 hrs, Volume= 0.205 af, Depth= 5.57"
Routed to Pond B-58 : Basin #58

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

	Area (ac)	CN	Description
*	0.442	98	Roof, HSG C
*	0.000	98	Concrete, HSG C
	0.442	98	Weighted Average
	0.442		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.1					**Direct Entry,**

Subcatchment 58I: PDA-58 (impervious)



Hydrograph for Subcatchment 58I: PDA-58 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.05	0.02
0.05	0.00	0.00	0.00	2.65	0.18	0.06	0.02
0.10	0.01	0.00	0.00	2.70	0.18	0.06	0.02
0.15	0.01	0.00	0.00	2.75	0.19	0.06	0.02
0.20	0.01	0.00	0.00	2.80	0.19	0.06	0.02
0.25	0.02	0.00	0.00	2.85	0.19	0.07	0.02
0.30	0.02	0.00	0.00	2.90	0.20	0.07	0.02
0.35	0.02	0.00	0.00	2.95	0.20	0.07	0.02
0.40	0.03	0.00	0.00	3.00	0.20	0.07	0.02
0.45	0.03	0.00	0.00	3.05	0.21	0.08	0.02
0.50	0.03	0.00	0.00	3.10	0.21	0.08	0.02
0.55	0.03	0.00	0.00	3.15	0.22	0.08	0.02
0.60	0.04	0.00	0.00	3.20	0.22	0.08	0.02
0.65	0.04	0.00	0.00	3.25	0.22	0.09	0.03
0.70	0.04	0.00	0.00	3.30	0.23	0.09	0.03
0.75	0.05	0.00	0.00	3.35	0.23	0.09	0.03
0.80	0.05	0.00	0.00	3.40	0.24	0.10	0.03
0.85	0.05	0.00	0.00	3.45	0.24	0.10	0.03
0.90	0.06	0.00	0.00	3.50	0.24	0.10	0.03
0.95	0.06	0.00	0.00	3.55	0.25	0.10	0.03
1.00	0.06	0.00	0.01	3.60	0.25	0.11	0.03
1.05	0.07	0.00	0.01	3.65	0.26	0.11	0.03
1.10	0.07	0.00	0.01	3.70	0.26	0.11	0.03
1.15	0.07	0.00	0.01	3.75	0.26	0.12	0.03
1.20	0.08	0.01	0.01	3.80	0.27	0.12	0.03
1.25	0.08	0.01	0.01	3.85	0.27	0.12	0.03
1.30	0.08	0.01	0.01	3.90	0.28	0.13	0.03
1.35	0.09	0.01	0.01	3.95	0.28	0.13	0.03
1.40	0.09	0.01	0.01	4.00	0.28	0.13	0.03
1.45	0.09	0.01	0.01	4.05	0.29	0.14	0.03
1.50	0.10	0.01	0.01	4.10	0.29	0.14	0.03
1.55	0.10	0.01	0.01	4.15	0.30	0.14	0.03
1.60	0.10	0.01	0.01	4.20	0.30	0.15	0.03
1.65	0.11	0.02	0.01	4.25	0.31	0.15	0.03
1.70	0.11	0.02	0.01	4.30	0.31	0.15	0.03
1.75	0.11	0.02	0.01	4.35	0.31	0.16	0.03
1.80	0.12	0.02	0.01	4.40	0.32	0.16	0.03
1.85	0.12	0.02	0.02	4.45	0.32	0.16	0.03
1.90	0.12	0.02	0.02	4.50	0.33	0.17	0.03
1.95	0.13	0.03	0.02	4.55	0.33	0.17	0.03
2.00	0.13	0.03	0.02	4.60	0.33	0.17	0.03
2.05	0.13	0.03	0.02	4.65	0.34	0.18	0.03
2.10	0.14	0.03	0.02	4.70	0.34	0.18	0.03
2.15	0.14	0.03	0.02	4.75	0.35	0.18	0.03
2.20	0.15	0.04	0.02	4.80	0.35	0.19	0.03
2.25	0.15	0.04	0.02	4.85	0.36	0.19	0.03
2.30	0.15	0.04	0.02	4.90	0.36	0.20	0.03
2.35	0.16	0.04	0.02	4.95	0.37	0.20	0.03
2.40	0.16	0.04	0.02	5.00	0.37	0.20	0.03
2.45	0.16	0.05	0.02	5.05	0.37	0.21	0.03
2.50	0.17	0.05	0.02	5.10	0.38	0.21	0.03
2.55	0.17	0.05	0.02	5.15	0.38	0.21	0.03

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.22	0.03	7.80	0.67	0.47	0.06
5.25	0.39	0.22	0.03	7.85	0.68	0.48	0.06
5.30	0.40	0.23	0.03	7.90	0.68	0.49	0.06
5.35	0.40	0.23	0.03	7.95	0.69	0.49	0.06
5.40	0.41	0.23	0.03	8.00	0.70	0.50	0.06
5.45	0.41	0.24	0.04	8.05	0.70	0.51	0.06
5.50	0.41	0.24	0.04	8.10	0.71	0.51	0.06
5.55	0.42	0.25	0.04	8.15	0.72	0.52	0.06
5.60	0.42	0.25	0.04	8.20	0.72	0.53	0.06
5.65	0.43	0.25	0.04	8.25	0.73	0.53	0.06
5.70	0.43	0.26	0.04	8.30	0.74	0.54	0.06
5.75	0.44	0.26	0.04	8.35	0.75	0.55	0.06
5.80	0.44	0.27	0.04	8.40	0.75	0.55	0.06
5.85	0.45	0.27	0.04	8.45	0.76	0.56	0.06
5.90	0.45	0.27	0.04	8.50	0.77	0.57	0.06
5.95	0.46	0.28	0.04	8.55	0.78	0.58	0.07
6.00	0.46	0.28	0.04	8.60	0.78	0.58	0.07
6.05	0.47	0.29	0.04	8.65	0.79	0.59	0.07
6.10	0.47	0.29	0.04	8.70	0.80	0.60	0.07
6.15	0.47	0.30	0.04	8.75	0.81	0.61	0.07
6.20	0.48	0.30	0.04	8.80	0.82	0.61	0.07
6.25	0.48	0.30	0.04	8.85	0.82	0.62	0.07
6.30	0.49	0.31	0.04	8.90	0.83	0.63	0.07
6.35	0.50	0.31	0.04	8.95	0.84	0.64	0.07
6.40	0.50	0.32	0.04	9.00	0.85	0.64	0.07
6.45	0.51	0.32	0.04	9.05	0.86	0.65	0.07
6.50	0.51	0.33	0.04	9.10	0.87	0.66	0.07
6.55	0.52	0.33	0.04	9.15	0.87	0.67	0.08
6.60	0.52	0.34	0.04	9.20	0.88	0.68	0.08
6.65	0.53	0.34	0.04	9.25	0.89	0.69	0.08
6.70	0.53	0.35	0.04	9.30	0.90	0.70	0.08
6.75	0.54	0.35	0.05	9.35	0.91	0.71	0.08
6.80	0.54	0.36	0.05	9.40	0.92	0.72	0.09
6.85	0.55	0.36	0.05	9.45	0.93	0.73	0.09
6.90	0.56	0.37	0.05	9.50	0.94	0.74	0.09
6.95	0.56	0.37	0.05	9.55	0.95	0.75	0.09
7.00	0.57	0.38	0.05	9.60	0.96	0.76	0.09
7.05	0.57	0.38	0.05	9.65	0.98	0.77	0.10
7.10	0.58	0.39	0.05	9.70	0.99	0.78	0.10
7.15	0.58	0.40	0.05	9.75	1.00	0.79	0.10
7.20	0.59	0.40	0.05	9.80	1.01	0.80	0.10
7.25	0.60	0.41	0.05	9.85	1.02	0.81	0.10
7.30	0.60	0.41	0.05	9.90	1.03	0.82	0.11
7.35	0.61	0.42	0.05	9.95	1.05	0.84	0.11
7.40	0.62	0.42	0.05	10.00	1.06	0.85	0.11
7.45	0.62	0.43	0.05	10.05	1.07	0.86	0.11
7.50	0.63	0.44	0.05	10.10	1.09	0.87	0.11
7.55	0.64	0.44	0.05	10.15	1.10	0.89	0.12
7.60	0.64	0.45	0.05	10.20	1.11	0.90	0.12
7.65	0.65	0.45	0.06	10.25	1.13	0.91	0.12
7.70	0.65	0.46	0.06	10.30	1.14	0.93	0.12
7.75	0.66	0.47	0.06	10.35	1.15	0.94	0.12

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.95	0.12	13.00	4.42	4.18	0.23
10.45	1.18	0.97	0.13	13.05	4.44	4.20	0.21
10.50	1.20	0.98	0.13	13.10	4.46	4.23	0.20
10.55	1.21	1.00	0.14	13.15	4.48	4.25	0.19
10.60	1.23	1.02	0.15	13.20	4.50	4.27	0.19
10.65	1.25	1.03	0.16	13.25	4.52	4.29	0.18
10.70	1.27	1.05	0.16	13.30	4.54	4.31	0.17
10.75	1.29	1.07	0.17	13.35	4.56	4.33	0.16
10.80	1.31	1.09	0.17	13.40	4.58	4.34	0.16
10.85	1.33	1.11	0.19	13.45	4.60	4.36	0.15
10.90	1.35	1.13	0.19	13.50	4.61	4.38	0.14
10.95	1.37	1.15	0.20	13.55	4.63	4.39	0.13
11.00	1.39	1.18	0.21	13.60	4.64	4.41	0.13
11.05	1.42	1.20	0.23	13.65	4.66	4.42	0.13
11.10	1.45	1.23	0.23	13.70	4.67	4.43	0.13
11.15	1.48	1.26	0.26	13.75	4.68	4.45	0.12
11.20	1.51	1.29	0.26	13.80	4.70	4.46	0.12
11.25	1.54	1.32	0.28	13.85	4.71	4.48	0.12
11.30	1.57	1.35	0.29	13.90	4.72	4.49	0.12
11.35	1.61	1.38	0.31	13.95	4.74	4.50	0.12
11.40	1.64	1.42	0.32	14.00	4.75	4.51	0.11
11.45	1.68	1.46	0.33	14.05	4.76	4.53	0.11
11.50	1.72	1.49	0.37	14.10	4.78	4.54	0.11
11.55	1.78	1.55	0.51	14.15	4.79	4.55	0.11
11.60	1.83	1.61	0.52	14.20	4.80	4.56	0.11
11.65	1.90	1.67	0.54	14.25	4.81	4.57	0.10
11.70	1.96	1.73	0.58	14.30	4.82	4.59	0.10
11.75	2.04	1.82	0.74	14.35	4.83	4.60	0.10
11.80	2.13	1.90	0.80	14.40	4.85	4.61	0.10
11.85	2.25	2.02	1.04	14.45	4.86	4.62	0.10
11.90	2.36	2.13	1.18	14.50	4.87	4.63	0.10
11.95	2.57	2.34	1.78	14.55	4.88	4.64	0.09
12.00	2.77	2.54	2.02	14.60	4.89	4.65	0.09
12.05	3.11	2.88	**2.98**	14.65	4.90	4.66	0.09
12.10	3.45	3.21	2.66	14.70	4.91	4.67	0.09
12.15	3.56	3.33	1.09	14.75	4.92	4.68	0.08
12.20	3.68	3.45	0.99	14.80	4.93	4.69	0.08
12.25	3.77	3.53	0.76	14.85	4.94	4.70	0.08
12.30	3.85	3.62	0.72	14.90	4.94	4.71	0.08
12.35	3.91	3.68	0.55	14.95	4.95	4.72	0.08
12.40	3.98	3.74	0.54	15.00	4.96	4.72	0.08
12.45	4.03	3.80	0.52	15.05	4.97	4.73	0.07
12.50	4.09	3.86	0.49	15.10	4.98	4.74	0.07
12.55	4.13	3.90	0.34	15.15	4.99	4.75	0.07
12.60	4.17	3.93	0.33	15.20	4.99	4.76	0.07
12.65	4.20	3.97	0.32	15.25	5.00	4.76	0.07
12.70	4.24	4.00	0.31	15.30	5.01	4.77	0.07
12.75	4.27	4.04	0.29	15.35	5.02	4.78	0.07
12.80	4.30	4.07	0.28	15.40	5.03	4.79	0.07
12.85	4.33	4.10	0.26	15.45	5.03	4.80	0.07
12.90	4.36	4.13	0.26	15.50	5.04	4.80	0.07
12.95	4.39	4.15	0.23	15.55	5.05	4.81	0.07

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	4.82	0.07	18.20	5.37	5.13	0.04
15.65	5.06	4.83	0.07	18.25	5.37	5.14	0.04
15.70	5.07	4.83	0.07	18.30	5.38	5.14	0.04
15.75	5.08	4.84	0.07	18.35	5.38	5.14	0.04
15.80	5.09	4.85	0.07	18.40	5.39	5.15	0.04
15.85	5.09	4.86	0.06	18.45	5.39	5.15	0.04
15.90	5.10	4.86	0.06	18.50	5.40	5.16	0.04
15.95	5.11	4.87	0.06	18.55	5.40	5.16	0.04
16.00	5.11	4.88	0.06	18.60	5.40	5.17	0.04
16.05	5.12	4.88	0.06	18.65	5.41	5.17	0.04
16.10	5.13	4.89	0.06	18.70	5.41	5.18	0.04
16.15	5.13	4.90	0.06	18.75	5.42	5.18	0.04
16.20	5.14	4.90	0.06	18.80	5.42	5.19	0.04
16.25	5.15	4.91	0.06	18.85	5.43	5.19	0.04
16.30	5.16	4.92	0.06	18.90	5.43	5.19	0.04
16.35	5.16	4.92	0.06	18.95	5.44	5.20	0.04
16.40	5.17	4.93	0.06	19.00	5.44	5.20	0.04
16.45	5.17	4.94	0.06	19.05	5.44	5.21	0.04
16.50	5.18	4.94	0.06	19.10	5.45	5.21	0.04
16.55	5.19	4.95	0.06	19.15	5.45	5.22	0.04
16.60	5.19	4.96	0.06	19.20	5.46	5.22	0.04
16.65	5.20	4.96	0.06	19.25	5.46	5.22	0.04
16.70	5.21	4.97	0.06	19.30	5.47	5.23	0.04
16.75	5.21	4.98	0.05	19.35	5.47	5.23	0.04
16.80	5.22	4.98	0.05	19.40	5.48	5.24	0.04
16.85	5.23	4.99	0.05	19.45	5.48	5.24	0.04
16.90	5.23	4.99	0.05	19.50	5.48	5.25	0.04
16.95	5.24	5.00	0.05	19.55	5.49	5.25	0.04
17.00	5.24	5.01	0.05	19.60	5.49	5.25	0.04
17.05	5.25	5.01	0.05	19.65	5.50	5.26	0.04
17.10	5.25	5.02	0.05	19.70	5.50	5.26	0.04
17.15	5.26	5.02	0.05	19.75	5.50	5.27	0.04
17.20	5.27	5.03	0.05	19.80	5.51	5.27	0.04
17.25	5.27	5.03	0.05	19.85	5.51	5.28	0.04
17.30	5.28	5.04	0.05	19.90	5.52	5.28	0.04
17.35	5.28	5.05	0.05	19.95	5.52	5.28	0.04
17.40	5.29	5.05	0.05	20.00	5.53	5.29	0.04
17.45	5.29	5.06	0.05	20.05	5.53	5.29	0.04
17.50	5.30	5.06	0.05	20.10	5.53	5.30	0.04
17.55	5.30	5.07	0.05	20.15	5.54	5.30	0.04
17.60	5.31	5.07	0.05	20.20	5.54	5.30	0.04
17.65	5.31	5.08	0.05	20.25	5.55	5.31	0.04
17.70	5.32	5.08	0.05	20.30	5.55	5.31	0.04
17.75	5.33	5.09	0.04	20.35	5.55	5.32	0.04
17.80	5.33	5.09	0.04	20.40	5.56	5.32	0.04
17.85	5.34	5.10	0.04	20.45	5.56	5.32	0.04
17.90	5.34	5.10	0.04	20.50	5.57	5.33	0.04
17.95	5.34	5.11	0.04	20.55	5.57	5.33	0.04
18.00	5.35	5.11	0.04	20.60	5.57	5.34	0.04
18.05	5.35	5.12	0.04	20.65	5.58	5.34	0.03
18.10	5.36	5.12	0.04	20.70	5.58	5.34	0.03
18.15	5.36	5.13	0.04	20.75	5.59	5.35	0.03

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	5.35	0.03	23.40	5.77	5.53	0.03
20.85	5.59	5.36	0.03	23.45	5.78	5.54	0.03
20.90	5.60	5.36	0.03	23.50	5.78	5.54	0.03
20.95	5.60	5.36	0.03	23.55	5.78	5.54	0.03
21.00	5.61	5.37	0.03	23.60	5.78	5.55	0.03
21.05	5.61	5.37	0.03	23.65	5.79	5.55	0.03
21.10	5.61	5.37	0.03	23.70	5.79	5.55	0.03
21.15	5.62	5.38	0.03	23.75	5.79	5.56	0.03
21.20	5.62	5.38	0.03	23.80	5.80	5.56	0.03
21.25	5.62	5.39	0.03	23.85	5.80	5.56	0.03
21.30	5.63	5.39	0.03	23.90	5.80	5.56	0.03
21.35	5.63	5.39	0.03	23.95	5.81	5.57	0.03
21.40	5.64	5.40	0.03	24.00	**5.81**	**5.57**	0.03
21.45	5.64	5.40	0.03	24.05	5.81	5.57	0.00
21.50	5.64	5.40	0.03	24.10	5.81	5.57	0.00
21.55	5.65	5.41	0.03	24.15	5.81	5.57	0.00
21.60	5.65	5.41	0.03	24.20	5.81	5.57	0.00
21.65	5.65	5.42	0.03	24.25	5.81	5.57	0.00
21.70	5.66	5.42	0.03	24.30	5.81	5.57	0.00
21.75	5.66	5.42	0.03	24.35	5.81	5.57	0.00
21.80	5.66	5.43	0.03	24.40	5.81	5.57	0.00
21.85	5.67	5.43	0.03	24.45	5.81	5.57	0.00
21.90	5.67	5.43	0.03	24.50	5.81	5.57	0.00
21.95	5.68	5.44	0.03	24.55	5.81	5.57	0.00
22.00	5.68	5.44	0.03	24.60	5.81	5.57	0.00
22.05	5.68	5.44	0.03	24.65	5.81	5.57	0.00
22.10	5.69	5.45	0.03	24.70	5.81	5.57	0.00
22.15	5.69	5.45	0.03	24.75	5.81	5.57	0.00
22.20	5.69	5.45	0.03	24.80	5.81	5.57	0.00
22.25	5.70	5.46	0.03	24.85	5.81	5.57	0.00
22.30	5.70	5.46	0.03	24.90	5.81	5.57	0.00
22.35	5.70	5.47	0.03	24.95	5.81	5.57	0.00
22.40	5.71	5.47	0.03	25.00	5.81	5.57	0.00
22.45	5.71	5.47	0.03	25.05	5.81	5.57	0.00
22.50	5.71	5.48	0.03	25.10	5.81	5.57	0.00
22.55	5.72	5.48	0.03	25.15	5.81	5.57	0.00
22.60	5.72	5.48	0.03	25.20	5.81	5.57	0.00
22.65	5.72	5.49	0.03	25.25	5.81	5.57	0.00
22.70	5.73	5.49	0.03	25.30	5.81	5.57	0.00
22.75	5.73	5.49	0.03	25.35	5.81	5.57	0.00
22.80	5.73	5.50	0.03	25.40	5.81	5.57	0.00
22.85	5.74	5.50	0.03	25.45	5.81	5.57	0.00
22.90	5.74	5.50	0.03	25.50	5.81	5.57	0.00
22.95	5.74	5.51	0.03	25.55	5.81	5.57	0.00
23.00	5.75	5.51	0.03	25.60	5.81	5.57	0.00
23.05	5.75	5.51	0.03	25.65	5.81	5.57	0.00
23.10	5.75	5.52	0.03	25.70	5.81	5.57	0.00
23.15	5.76	5.52	0.03	25.75	5.81	5.57	0.00
23.20	5.76	5.52	0.03	25.80	5.81	5.57	0.00
23.25	5.76	5.52	0.03	25.85	5.81	5.57	0.00
23.30	5.77	5.53	0.03	25.90	5.81	5.57	0.00
23.35	5.77	5.53	0.03	25.95	5.81	5.57	0.00

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	5.57	0.00	28.60	5.81	5.57	0.00
26.05	5.81	5.57	0.00	28.65	5.81	5.57	0.00
26.10	5.81	5.57	0.00	28.70	5.81	5.57	0.00
26.15	5.81	5.57	0.00	28.75	5.81	5.57	0.00
26.20	5.81	5.57	0.00	28.80	5.81	5.57	0.00
26.25	5.81	5.57	0.00	28.85	5.81	5.57	0.00
26.30	5.81	5.57	0.00	28.90	5.81	5.57	0.00
26.35	5.81	5.57	0.00	28.95	5.81	5.57	0.00
26.40	5.81	5.57	0.00	29.00	5.81	5.57	0.00
26.45	5.81	5.57	0.00	29.05	5.81	5.57	0.00
26.50	5.81	5.57	0.00	29.10	5.81	5.57	0.00
26.55	5.81	5.57	0.00	29.15	5.81	5.57	0.00
26.60	5.81	5.57	0.00	29.20	5.81	5.57	0.00
26.65	5.81	5.57	0.00	29.25	5.81	5.57	0.00
26.70	5.81	5.57	0.00	29.30	5.81	5.57	0.00
26.75	5.81	5.57	0.00	29.35	5.81	5.57	0.00
26.80	5.81	5.57	0.00	29.40	5.81	5.57	0.00
26.85	5.81	5.57	0.00	29.45	5.81	5.57	0.00
26.90	5.81	5.57	0.00	29.50	5.81	5.57	0.00
26.95	5.81	5.57	0.00	29.55	5.81	5.57	0.00
27.00	5.81	5.57	0.00	29.60	5.81	5.57	0.00
27.05	5.81	5.57	0.00	29.65	5.81	5.57	0.00
27.10	5.81	5.57	0.00	29.70	5.81	5.57	0.00
27.15	5.81	5.57	0.00	29.75	5.81	5.57	0.00
27.20	5.81	5.57	0.00	29.80	5.81	5.57	0.00
27.25	5.81	5.57	0.00	29.85	5.81	5.57	0.00
27.30	5.81	5.57	0.00	29.90	5.81	5.57	0.00
27.35	5.81	5.57	0.00	29.95	5.81	5.57	0.00
27.40	5.81	5.57	0.00	30.00	5.81	5.57	0.00
27.45	5.81	5.57	0.00	30.05	5.81	5.57	0.00
27.50	5.81	5.57	0.00	30.10	5.81	5.57	0.00
27.55	5.81	5.57	0.00	30.15	5.81	5.57	0.00
27.60	5.81	5.57	0.00	30.20	5.81	5.57	0.00
27.65	5.81	5.57	0.00	30.25	5.81	5.57	0.00
27.70	5.81	5.57	0.00	30.30	5.81	5.57	0.00
27.75	5.81	5.57	0.00	30.35	5.81	5.57	0.00
27.80	5.81	5.57	0.00	30.40	5.81	5.57	0.00
27.85	5.81	5.57	0.00	30.45	5.81	5.57	0.00
27.90	5.81	5.57	0.00	30.50	5.81	5.57	0.00
27.95	5.81	5.57	0.00	30.55	5.81	5.57	0.00
28.00	5.81	5.57	0.00	30.60	5.81	5.57	0.00
28.05	5.81	5.57	0.00	30.65	5.81	5.57	0.00
28.10	5.81	5.57	0.00	30.70	5.81	5.57	0.00
28.15	5.81	5.57	0.00	30.75	5.81	5.57	0.00
28.20	5.81	5.57	0.00	30.80	5.81	5.57	0.00
28.25	5.81	5.57	0.00	30.85	5.81	5.57	0.00
28.30	5.81	5.57	0.00	30.90	5.81	5.57	0.00
28.35	5.81	5.57	0.00	30.95	5.81	5.57	0.00
28.40	5.81	5.57	0.00	31.00	5.81	5.57	0.00
28.45	5.81	5.57	0.00	31.05	5.81	5.57	0.00
28.50	5.81	5.57	0.00	31.10	5.81	5.57	0.00
28.55	5.81	5.57	0.00	31.15	5.81	5.57	0.00

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	5.57	0.00	33.80	5.81	5.57	0.00
31.25	5.81	5.57	0.00	33.85	5.81	5.57	0.00
31.30	5.81	5.57	0.00	33.90	5.81	5.57	0.00
31.35	5.81	5.57	0.00	33.95	5.81	5.57	0.00
31.40	5.81	5.57	0.00	34.00	5.81	5.57	0.00
31.45	5.81	5.57	0.00	34.05	5.81	5.57	0.00
31.50	5.81	5.57	0.00	34.10	5.81	5.57	0.00
31.55	5.81	5.57	0.00	34.15	5.81	5.57	0.00
31.60	5.81	5.57	0.00	34.20	5.81	5.57	0.00
31.65	5.81	5.57	0.00	34.25	5.81	5.57	0.00
31.70	5.81	5.57	0.00	34.30	5.81	5.57	0.00
31.75	5.81	5.57	0.00	34.35	5.81	5.57	0.00
31.80	5.81	5.57	0.00	34.40	5.81	5.57	0.00
31.85	5.81	5.57	0.00	34.45	5.81	5.57	0.00
31.90	5.81	5.57	0.00	34.50	5.81	5.57	0.00
31.95	5.81	5.57	0.00	34.55	5.81	5.57	0.00
32.00	5.81	5.57	0.00	34.60	5.81	5.57	0.00
32.05	5.81	5.57	0.00	34.65	5.81	5.57	0.00
32.10	5.81	5.57	0.00	34.70	5.81	5.57	0.00
32.15	5.81	5.57	0.00	34.75	5.81	5.57	0.00
32.20	5.81	5.57	0.00	34.80	5.81	5.57	0.00
32.25	5.81	5.57	0.00	34.85	5.81	5.57	0.00
32.30	5.81	5.57	0.00	34.90	5.81	5.57	0.00
32.35	5.81	5.57	0.00	34.95	5.81	5.57	0.00
32.40	5.81	5.57	0.00	35.00	5.81	5.57	0.00
32.45	5.81	5.57	0.00	35.05	5.81	5.57	0.00
32.50	5.81	5.57	0.00	35.10	5.81	5.57	0.00
32.55	5.81	5.57	0.00	35.15	5.81	5.57	0.00
32.60	5.81	5.57	0.00	35.20	5.81	5.57	0.00
32.65	5.81	5.57	0.00	35.25	5.81	5.57	0.00
32.70	5.81	5.57	0.00	35.30	5.81	5.57	0.00
32.75	5.81	5.57	0.00	35.35	5.81	5.57	0.00
32.80	5.81	5.57	0.00	35.40	5.81	5.57	0.00
32.85	5.81	5.57	0.00	35.45	5.81	5.57	0.00
32.90	5.81	5.57	0.00	35.50	5.81	5.57	0.00
32.95	5.81	5.57	0.00	35.55	5.81	5.57	0.00
33.00	5.81	5.57	0.00	35.60	5.81	5.57	0.00
33.05	5.81	5.57	0.00	35.65	5.81	5.57	0.00
33.10	5.81	5.57	0.00	35.70	5.81	5.57	0.00
33.15	5.81	5.57	0.00	35.75	5.81	5.57	0.00
33.20	5.81	5.57	0.00	35.80	5.81	5.57	0.00
33.25	5.81	5.57	0.00	35.85	5.81	5.57	0.00
33.30	5.81	5.57	0.00	35.90	5.81	5.57	0.00
33.35	5.81	5.57	0.00	35.95	5.81	5.57	0.00
33.40	5.81	5.57	0.00	36.00	5.81	5.57	0.00
33.45	5.81	5.57	0.00	36.05	5.81	5.57	0.00
33.50	5.81	5.57	0.00	36.10	5.81	5.57	0.00
33.55	5.81	5.57	0.00	36.15	5.81	5.57	0.00
33.60	5.81	5.57	0.00	36.20	5.81	5.57	0.00
33.65	5.81	5.57	0.00	36.25	5.81	5.57	0.00
33.70	5.81	5.57	0.00	36.30	5.81	5.57	0.00
33.75	5.81	5.57	0.00	36.35	5.81	5.57	0.00

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	5.57	0.00
36.45	5.81	5.57	0.00
36.50	5.81	5.57	0.00
36.55	5.81	5.57	0.00
36.60	5.81	5.57	0.00
36.65	5.81	5.57	0.00
36.70	5.81	5.57	0.00
36.75	5.81	5.57	0.00
36.80	5.81	5.57	0.00
36.85	5.81	5.57	0.00
36.90	5.81	5.57	0.00
36.95	5.81	5.57	0.00
37.00	5.81	5.57	0.00
37.05	5.81	5.57	0.00
37.10	5.81	5.57	0.00
37.15	5.81	5.57	0.00
37.20	5.81	5.57	0.00
37.25	5.81	5.57	0.00
37.30	5.81	5.57	0.00
37.35	5.81	5.57	0.00
37.40	5.81	5.57	0.00
37.45	5.81	5.57	0.00
37.50	5.81	5.57	0.00
37.55	5.81	5.57	0.00
37.60	5.81	5.57	0.00
37.65	5.81	5.57	0.00
37.70	5.81	5.57	0.00
37.75	5.81	5.57	0.00
37.80	5.81	5.57	0.00
37.85	5.81	5.57	0.00
37.90	5.81	5.57	0.00
37.95	5.81	5.57	0.00
38.00	5.81	5.57	0.00
38.05	5.81	5.57	0.00
38.10	5.81	5.57	0.00
38.15	5.81	5.57	0.00
38.20	5.81	5.57	0.00
38.25	5.81	5.57	0.00
38.30	5.81	5.57	0.00
38.35	5.81	5.57	0.00
38.40	5.81	5.57	0.00
38.45	5.81	5.57	0.00
38.50	5.81	5.57	0.00
38.55	5.81	5.57	0.00
38.60	5.81	5.57	0.00
38.65	5.81	5.57	0.00
38.70	5.81	5.57	0.00
38.75	5.81	5.57	0.00
38.80	5.81	5.57	0.00
38.85	5.81	5.57	0.00
38.90	5.81	5.57	0.00
38.95	5.81	5.57	0.00
39.00	5.81	5.57	0.00
39.05	5.81	5.57	0.00
39.10	5.81	5.57	0.00
39.15	5.81	5.57	0.00
39.20	5.81	5.57	0.00
39.25	5.81	5.57	0.00
39.30	5.81	5.57	0.00
39.35	5.81	5.57	0.00
39.40	5.81	5.57	0.00
39.45	5.81	5.57	0.00
39.50	5.81	5.57	0.00
39.55	5.81	5.57	0.00
39.60	5.81	5.57	0.00
39.65	5.81	5.57	0.00
39.70	5.81	5.57	0.00
39.75	5.81	5.57	0.00
39.80	5.81	5.57	0.00
39.85	5.81	5.57	0.00
39.90	5.81	5.57	0.00
39.95	5.81	5.57	0.00
40.00	5.81	5.57	0.00

Summary for Subcatchment 58P: PDA-58 (pervious)

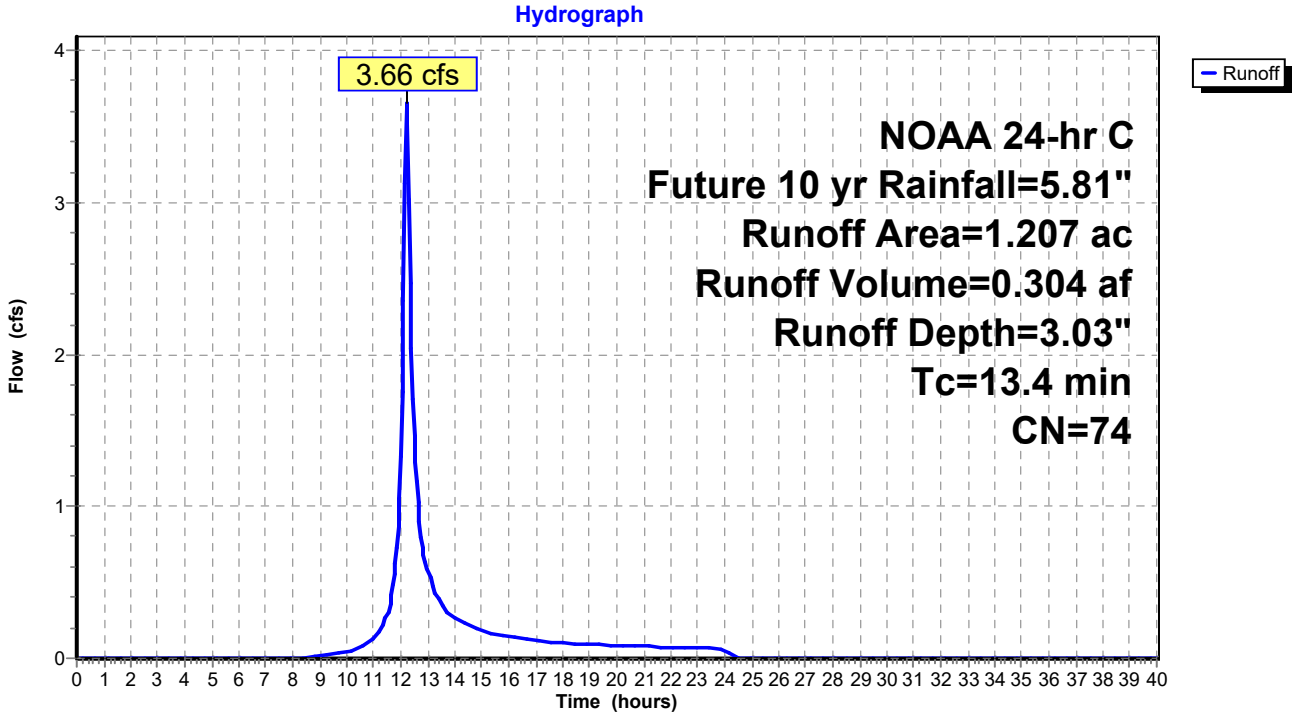
Runoff = 3.66 cfs @ 12.22 hrs, Volume= 0.304 af, Depth= 3.03"
Routed to Pond B-58 : Basin #58

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
1.207	74	>75% Grass cover, Good, HSG C
1.207		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
13.4					**Direct Entry,**

Subcatchment 58P: PDA-58 (pervious)



Hydrograph for Subcatchment 58P: PDA-58 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.00
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.00
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.00
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.00
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.01
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.01
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.01
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.01
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.01
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.01
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.01
6.35	0.50	0.00	0.00	8.95	0.84	0.01	0.01
6.40	0.50	0.00	0.00	9.00	0.85	0.01	0.01
6.45	0.51	0.00	0.00	9.05	0.86	0.01	0.01
6.50	0.51	0.00	0.00	9.10	0.87	0.01	0.01
6.55	0.52	0.00	0.00	9.15	0.87	0.01	0.01
6.60	0.52	0.00	0.00	9.20	0.88	0.01	0.02
6.65	0.53	0.00	0.00	9.25	0.89	0.01	0.02
6.70	0.53	0.00	0.00	9.30	0.90	0.01	0.02
6.75	0.54	0.00	0.00	9.35	0.91	0.01	0.02
6.80	0.54	0.00	0.00	9.40	0.92	0.01	0.02
6.85	0.55	0.00	0.00	9.45	0.93	0.01	0.02
6.90	0.56	0.00	0.00	9.50	0.94	0.02	0.02
6.95	0.56	0.00	0.00	9.55	0.95	0.02	0.03
7.00	0.57	0.00	0.00	9.60	0.96	0.02	0.03
7.05	0.57	0.00	0.00	9.65	0.98	0.02	0.03
7.10	0.58	0.00	0.00	9.70	0.99	0.02	0.03
7.15	0.58	0.00	0.00	9.75	1.00	0.02	0.03
7.20	0.59	0.00	0.00	9.80	1.01	0.02	0.04
7.25	0.60	0.00	0.00	9.85	1.02	0.03	0.04
7.30	0.60	0.00	0.00	9.90	1.03	0.03	0.04
7.35	0.61	0.00	0.00	9.95	1.05	0.03	0.04
7.40	0.62	0.00	0.00	10.00	1.06	0.03	0.04
7.45	0.62	0.00	0.00	10.05	1.07	0.04	0.05
7.50	0.63	0.00	0.00	10.10	1.09	0.04	0.05
7.55	0.64	0.00	0.00	10.15	1.10	0.04	0.05
7.60	0.64	0.00	0.00	10.20	1.11	0.04	0.05
7.65	0.65	0.00	0.00	10.25	1.13	0.05	0.06
7.70	0.65	0.00	0.00	10.30	1.14	0.05	0.06
7.75	0.66	0.00	0.00	10.35	1.15	0.05	0.06

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.05	0.07	13.00	4.42	1.91	0.58
10.45	1.18	0.06	0.07	13.05	4.44	1.93	0.55
10.50	1.20	0.06	0.07	13.10	4.46	1.94	0.52
10.55	1.21	0.06	0.07	13.15	4.48	1.96	0.49
10.60	1.23	0.07	0.08	13.20	4.50	1.98	0.46
10.65	1.25	0.07	0.08	13.25	4.52	1.99	0.44
10.70	1.27	0.08	0.09	13.30	4.54	2.01	0.42
10.75	1.29	0.08	0.10	13.35	4.56	2.02	0.40
10.80	1.31	0.09	0.10	13.40	4.58	2.03	0.39
10.85	1.33	0.09	0.11	13.45	4.60	2.05	0.37
10.90	1.35	0.10	0.12	13.50	4.61	2.06	0.36
10.95	1.37	0.11	0.13	13.55	4.63	2.07	0.34
11.00	1.39	0.11	0.14	13.60	4.64	2.08	0.33
11.05	1.42	0.12	0.14	13.65	4.66	2.09	0.31
11.10	1.45	0.13	0.16	13.70	4.67	2.10	0.30
11.15	1.48	0.14	0.17	13.75	4.68	2.12	0.29
11.20	1.51	0.15	0.18	13.80	4.70	2.13	0.28
11.25	1.54	0.16	0.20	13.85	4.71	2.14	0.27
11.30	1.57	0.17	0.21	13.90	4.72	2.15	0.27
11.35	1.61	0.18	0.23	13.95	4.74	2.16	0.26
11.40	1.64	0.20	0.25	14.00	4.75	2.17	0.26
11.45	1.68	0.21	0.27	14.05	4.76	2.18	0.26
11.50	1.72	0.23	0.29	14.10	4.78	2.19	0.25
11.55	1.78	0.25	0.32	14.15	4.79	2.20	0.25
11.60	1.83	0.28	0.35	14.20	4.80	2.21	0.24
11.65	1.90	0.30	0.41	14.25	4.81	2.21	0.24
11.70	1.96	0.33	0.48	14.30	4.82	2.22	0.24
11.75	2.04	0.37	0.55	14.35	4.83	2.23	0.23
11.80	2.13	0.41	0.62	14.40	4.85	2.24	0.23
11.85	2.25	0.47	0.73	14.45	4.86	2.25	0.22
11.90	2.36	0.53	0.86	14.50	4.87	2.26	0.22
11.95	2.57	0.65	1.05	14.55	4.88	2.27	0.22
12.00	2.77	0.77	1.33	14.60	4.89	2.27	0.21
12.05	3.11	0.98	1.75	14.65	4.90	2.28	0.21
12.10	3.45	1.20	2.36	14.70	4.91	2.29	0.20
12.15	3.56	1.28	3.12	14.75	4.92	2.30	0.20
12.20	3.68	1.37	**3.62**	14.80	4.93	2.31	0.20
12.25	3.77	1.43	3.52	14.85	4.94	2.31	0.19
12.30	3.85	1.49	3.02	14.90	4.94	2.32	0.19
12.35	3.91	1.53	2.47	14.95	4.95	2.33	0.18
12.40	3.98	1.58	2.04	15.00	4.96	2.33	0.18
12.45	4.03	1.62	1.71	15.05	4.97	2.34	0.17
12.50	4.09	1.67	1.46	15.10	4.98	2.35	0.17
12.55	4.13	1.69	1.29	15.15	4.99	2.35	0.17
12.60	4.17	1.72	1.16	15.20	4.99	2.36	0.16
12.65	4.20	1.75	1.02	15.25	5.00	2.37	0.16
12.70	4.24	1.77	0.90	15.30	5.01	2.37	0.16
12.75	4.27	1.80	0.80	15.35	5.02	2.38	0.16
12.80	4.30	1.82	0.73	15.40	5.03	2.38	0.16
12.85	4.33	1.85	0.68	15.45	5.03	2.39	0.15
12.90	4.36	1.87	0.64	15.50	5.04	2.40	0.15
12.95	4.39	1.89	0.61	15.55	5.05	2.40	0.15

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	2.41	0.15	18.20	5.37	2.66	0.09
15.65	5.06	2.41	0.15	18.25	5.37	2.67	0.09
15.70	5.07	2.42	0.15	18.30	5.38	2.67	0.09
15.75	5.08	2.43	0.15	18.35	5.38	2.67	0.09
15.80	5.09	2.43	0.15	18.40	5.39	2.68	0.09
15.85	5.09	2.44	0.15	18.45	5.39	2.68	0.09
15.90	5.10	2.44	0.14	18.50	5.40	2.68	0.09
15.95	5.11	2.45	0.14	18.55	5.40	2.69	0.09
16.00	5.11	2.46	0.14	18.60	5.40	2.69	0.09
16.05	5.12	2.46	0.14	18.65	5.41	2.69	0.09
16.10	5.13	2.47	0.14	18.70	5.41	2.70	0.09
16.15	5.13	2.47	0.14	18.75	5.42	2.70	0.09
16.20	5.14	2.48	0.14	18.80	5.42	2.71	0.09
16.25	5.15	2.48	0.14	18.85	5.43	2.71	0.09
16.30	5.16	2.49	0.14	18.90	5.43	2.71	0.09
16.35	5.16	2.49	0.13	18.95	5.44	2.72	0.09
16.40	5.17	2.50	0.13	19.00	5.44	2.72	0.09
16.45	5.17	2.50	0.13	19.05	5.44	2.72	0.09
16.50	5.18	2.51	0.13	19.10	5.45	2.73	0.09
16.55	5.19	2.52	0.13	19.15	5.45	2.73	0.09
16.60	5.19	2.52	0.13	19.20	5.46	2.73	0.09
16.65	5.20	2.53	0.13	19.25	5.46	2.74	0.09
16.70	5.21	2.53	0.13	19.30	5.47	2.74	0.09
16.75	5.21	2.54	0.13	19.35	5.47	2.75	0.09
16.80	5.22	2.54	0.13	19.40	5.48	2.75	0.09
16.85	5.23	2.55	0.12	19.45	5.48	2.75	0.09
16.90	5.23	2.55	0.12	19.50	5.48	2.76	0.09
16.95	5.24	2.55	0.12	19.55	5.49	2.76	0.09
17.00	5.24	2.56	0.12	19.60	5.49	2.76	0.09
17.05	5.25	2.56	0.12	19.65	5.50	2.77	0.09
17.10	5.25	2.57	0.12	19.70	5.50	2.77	0.09
17.15	5.26	2.57	0.12	19.75	5.50	2.77	0.08
17.20	5.27	2.58	0.12	19.80	5.51	2.78	0.08
17.25	5.27	2.58	0.12	19.85	5.51	2.78	0.08
17.30	5.28	2.59	0.11	19.90	5.52	2.78	0.08
17.35	5.28	2.59	0.11	19.95	5.52	2.79	0.08
17.40	5.29	2.60	0.11	20.00	5.53	2.79	0.08
17.45	5.29	2.60	0.11	20.05	5.53	2.79	0.08
17.50	5.30	2.61	0.11	20.10	5.53	2.80	0.08
17.55	5.30	2.61	0.11	20.15	5.54	2.80	0.08
17.60	5.31	2.61	0.11	20.20	5.54	2.80	0.08
17.65	5.31	2.62	0.11	20.25	5.55	2.81	0.08
17.70	5.32	2.62	0.11	20.30	5.55	2.81	0.08
17.75	5.33	2.63	0.10	20.35	5.55	2.81	0.08
17.80	5.33	2.63	0.10	20.40	5.56	2.82	0.08
17.85	5.34	2.63	0.10	20.45	5.56	2.82	0.08
17.90	5.34	2.64	0.10	20.50	5.57	2.82	0.08
17.95	5.34	2.64	0.10	20.55	5.57	2.83	0.08
18.00	5.35	2.65	0.10	20.60	5.57	2.83	0.08
18.05	5.35	2.65	0.10	20.65	5.58	2.83	0.08
18.10	5.36	2.65	0.10	20.70	5.58	2.84	0.08
18.15	5.36	2.66	0.10	20.75	5.59	2.84	0.08

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.84	0.08	23.40	5.77	2.99	0.06
20.85	5.59	2.85	0.08	23.45	5.78	3.00	0.06
20.90	5.60	2.85	0.08	23.50	5.78	3.00	0.06
20.95	5.60	2.85	0.08	23.55	5.78	3.00	0.06
21.00	5.61	2.86	0.08	23.60	5.78	3.00	0.06
21.05	5.61	2.86	0.08	23.65	5.79	3.01	0.06
21.10	5.61	2.86	0.08	23.70	5.79	3.01	0.06
21.15	5.62	2.87	0.08	23.75	5.79	3.01	0.06
21.20	5.62	2.87	0.08	23.80	5.80	3.01	0.06
21.25	5.62	2.87	0.08	23.85	5.80	3.02	0.06
21.30	5.63	2.87	0.08	23.90	5.80	3.02	0.06
21.35	5.63	2.88	0.08	23.95	5.81	3.02	0.06
21.40	5.64	2.88	0.08	24.00	**5.81**	**3.03**	0.06
21.45	5.64	2.88	0.08	24.05	5.81	3.03	0.06
21.50	5.64	2.89	0.08	24.10	5.81	3.03	0.06
21.55	5.65	2.89	0.07	24.15	5.81	3.03	0.05
21.60	5.65	2.89	0.07	24.20	5.81	3.03	0.03
21.65	5.65	2.90	0.07	24.25	5.81	3.03	0.02
21.70	5.66	2.90	0.07	24.30	5.81	3.03	0.01
21.75	5.66	2.90	0.07	24.35	5.81	3.03	0.01
21.80	5.66	2.90	0.07	24.40	5.81	3.03	0.00
21.85	5.67	2.91	0.07	24.45	5.81	3.03	0.00
21.90	5.67	2.91	0.07	24.50	5.81	3.03	0.00
21.95	5.68	2.91	0.07	24.55	5.81	3.03	0.00
22.00	5.68	2.92	0.07	24.60	5.81	3.03	0.00
22.05	5.68	2.92	0.07	24.65	5.81	3.03	0.00
22.10	5.69	2.92	0.07	24.70	5.81	3.03	0.00
22.15	5.69	2.93	0.07	24.75	5.81	3.03	0.00
22.20	5.69	2.93	0.07	24.80	5.81	3.03	0.00
22.25	5.70	2.93	0.07	24.85	5.81	3.03	0.00
22.30	5.70	2.93	0.07	24.90	5.81	3.03	0.00
22.35	5.70	2.94	0.07	24.95	5.81	3.03	0.00
22.40	5.71	2.94	0.07	25.00	5.81	3.03	0.00
22.45	5.71	2.94	0.07	25.05	5.81	3.03	0.00
22.50	5.71	2.95	0.07	25.10	5.81	3.03	0.00
22.55	5.72	2.95	0.07	25.15	5.81	3.03	0.00
22.60	5.72	2.95	0.07	25.20	5.81	3.03	0.00
22.65	5.72	2.95	0.07	25.25	5.81	3.03	0.00
22.70	5.73	2.96	0.07	25.30	5.81	3.03	0.00
22.75	5.73	2.96	0.07	25.35	5.81	3.03	0.00
22.80	5.73	2.96	0.07	25.40	5.81	3.03	0.00
22.85	5.74	2.96	0.07	25.45	5.81	3.03	0.00
22.90	5.74	2.97	0.07	25.50	5.81	3.03	0.00
22.95	5.74	2.97	0.07	25.55	5.81	3.03	0.00
23.00	5.75	2.97	0.07	25.60	5.81	3.03	0.00
23.05	5.75	2.98	0.07	25.65	5.81	3.03	0.00
23.10	5.75	2.98	0.07	25.70	5.81	3.03	0.00
23.15	5.76	2.98	0.07	25.75	5.81	3.03	0.00
23.20	5.76	2.98	0.07	25.80	5.81	3.03	0.00
23.25	5.76	2.99	0.07	25.85	5.81	3.03	0.00
23.30	5.77	2.99	0.07	25.90	5.81	3.03	0.00
23.35	5.77	2.99	0.06	25.95	5.81	3.03	0.00

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	3.03	0.00	28.60	5.81	3.03	0.00
26.05	5.81	3.03	0.00	28.65	5.81	3.03	0.00
26.10	5.81	3.03	0.00	28.70	5.81	3.03	0.00
26.15	5.81	3.03	0.00	28.75	5.81	3.03	0.00
26.20	5.81	3.03	0.00	28.80	5.81	3.03	0.00
26.25	5.81	3.03	0.00	28.85	5.81	3.03	0.00
26.30	5.81	3.03	0.00	28.90	5.81	3.03	0.00
26.35	5.81	3.03	0.00	28.95	5.81	3.03	0.00
26.40	5.81	3.03	0.00	29.00	5.81	3.03	0.00
26.45	5.81	3.03	0.00	29.05	5.81	3.03	0.00
26.50	5.81	3.03	0.00	29.10	5.81	3.03	0.00
26.55	5.81	3.03	0.00	29.15	5.81	3.03	0.00
26.60	5.81	3.03	0.00	29.20	5.81	3.03	0.00
26.65	5.81	3.03	0.00	29.25	5.81	3.03	0.00
26.70	5.81	3.03	0.00	29.30	5.81	3.03	0.00
26.75	5.81	3.03	0.00	29.35	5.81	3.03	0.00
26.80	5.81	3.03	0.00	29.40	5.81	3.03	0.00
26.85	5.81	3.03	0.00	29.45	5.81	3.03	0.00
26.90	5.81	3.03	0.00	29.50	5.81	3.03	0.00
26.95	5.81	3.03	0.00	29.55	5.81	3.03	0.00
27.00	5.81	3.03	0.00	29.60	5.81	3.03	0.00
27.05	5.81	3.03	0.00	29.65	5.81	3.03	0.00
27.10	5.81	3.03	0.00	29.70	5.81	3.03	0.00
27.15	5.81	3.03	0.00	29.75	5.81	3.03	0.00
27.20	5.81	3.03	0.00	29.80	5.81	3.03	0.00
27.25	5.81	3.03	0.00	29.85	5.81	3.03	0.00
27.30	5.81	3.03	0.00	29.90	5.81	3.03	0.00
27.35	5.81	3.03	0.00	29.95	5.81	3.03	0.00
27.40	5.81	3.03	0.00	30.00	5.81	3.03	0.00
27.45	5.81	3.03	0.00	30.05	5.81	3.03	0.00
27.50	5.81	3.03	0.00	30.10	5.81	3.03	0.00
27.55	5.81	3.03	0.00	30.15	5.81	3.03	0.00
27.60	5.81	3.03	0.00	30.20	5.81	3.03	0.00
27.65	5.81	3.03	0.00	30.25	5.81	3.03	0.00
27.70	5.81	3.03	0.00	30.30	5.81	3.03	0.00
27.75	5.81	3.03	0.00	30.35	5.81	3.03	0.00
27.80	5.81	3.03	0.00	30.40	5.81	3.03	0.00
27.85	5.81	3.03	0.00	30.45	5.81	3.03	0.00
27.90	5.81	3.03	0.00	30.50	5.81	3.03	0.00
27.95	5.81	3.03	0.00	30.55	5.81	3.03	0.00
28.00	5.81	3.03	0.00	30.60	5.81	3.03	0.00
28.05	5.81	3.03	0.00	30.65	5.81	3.03	0.00
28.10	5.81	3.03	0.00	30.70	5.81	3.03	0.00
28.15	5.81	3.03	0.00	30.75	5.81	3.03	0.00
28.20	5.81	3.03	0.00	30.80	5.81	3.03	0.00
28.25	5.81	3.03	0.00	30.85	5.81	3.03	0.00
28.30	5.81	3.03	0.00	30.90	5.81	3.03	0.00
28.35	5.81	3.03	0.00	30.95	5.81	3.03	0.00
28.40	5.81	3.03	0.00	31.00	5.81	3.03	0.00
28.45	5.81	3.03	0.00	31.05	5.81	3.03	0.00
28.50	5.81	3.03	0.00	31.10	5.81	3.03	0.00
28.55	5.81	3.03	0.00	31.15	5.81	3.03	0.00

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	3.03	0.00	33.80	5.81	3.03	0.00
31.25	5.81	3.03	0.00	33.85	5.81	3.03	0.00
31.30	5.81	3.03	0.00	33.90	5.81	3.03	0.00
31.35	5.81	3.03	0.00	33.95	5.81	3.03	0.00
31.40	5.81	3.03	0.00	34.00	5.81	3.03	0.00
31.45	5.81	3.03	0.00	34.05	5.81	3.03	0.00
31.50	5.81	3.03	0.00	34.10	5.81	3.03	0.00
31.55	5.81	3.03	0.00	34.15	5.81	3.03	0.00
31.60	5.81	3.03	0.00	34.20	5.81	3.03	0.00
31.65	5.81	3.03	0.00	34.25	5.81	3.03	0.00
31.70	5.81	3.03	0.00	34.30	5.81	3.03	0.00
31.75	5.81	3.03	0.00	34.35	5.81	3.03	0.00
31.80	5.81	3.03	0.00	34.40	5.81	3.03	0.00
31.85	5.81	3.03	0.00	34.45	5.81	3.03	0.00
31.90	5.81	3.03	0.00	34.50	5.81	3.03	0.00
31.95	5.81	3.03	0.00	34.55	5.81	3.03	0.00
32.00	5.81	3.03	0.00	34.60	5.81	3.03	0.00
32.05	5.81	3.03	0.00	34.65	5.81	3.03	0.00
32.10	5.81	3.03	0.00	34.70	5.81	3.03	0.00
32.15	5.81	3.03	0.00	34.75	5.81	3.03	0.00
32.20	5.81	3.03	0.00	34.80	5.81	3.03	0.00
32.25	5.81	3.03	0.00	34.85	5.81	3.03	0.00
32.30	5.81	3.03	0.00	34.90	5.81	3.03	0.00
32.35	5.81	3.03	0.00	34.95	5.81	3.03	0.00
32.40	5.81	3.03	0.00	35.00	5.81	3.03	0.00
32.45	5.81	3.03	0.00	35.05	5.81	3.03	0.00
32.50	5.81	3.03	0.00	35.10	5.81	3.03	0.00
32.55	5.81	3.03	0.00	35.15	5.81	3.03	0.00
32.60	5.81	3.03	0.00	35.20	5.81	3.03	0.00
32.65	5.81	3.03	0.00	35.25	5.81	3.03	0.00
32.70	5.81	3.03	0.00	35.30	5.81	3.03	0.00
32.75	5.81	3.03	0.00	35.35	5.81	3.03	0.00
32.80	5.81	3.03	0.00	35.40	5.81	3.03	0.00
32.85	5.81	3.03	0.00	35.45	5.81	3.03	0.00
32.90	5.81	3.03	0.00	35.50	5.81	3.03	0.00
32.95	5.81	3.03	0.00	35.55	5.81	3.03	0.00
33.00	5.81	3.03	0.00	35.60	5.81	3.03	0.00
33.05	5.81	3.03	0.00	35.65	5.81	3.03	0.00
33.10	5.81	3.03	0.00	35.70	5.81	3.03	0.00
33.15	5.81	3.03	0.00	35.75	5.81	3.03	0.00
33.20	5.81	3.03	0.00	35.80	5.81	3.03	0.00
33.25	5.81	3.03	0.00	35.85	5.81	3.03	0.00
33.30	5.81	3.03	0.00	35.90	5.81	3.03	0.00
33.35	5.81	3.03	0.00	35.95	5.81	3.03	0.00
33.40	5.81	3.03	0.00	36.00	5.81	3.03	0.00
33.45	5.81	3.03	0.00	36.05	5.81	3.03	0.00
33.50	5.81	3.03	0.00	36.10	5.81	3.03	0.00
33.55	5.81	3.03	0.00	36.15	5.81	3.03	0.00
33.60	5.81	3.03	0.00	36.20	5.81	3.03	0.00
33.65	5.81	3.03	0.00	36.25	5.81	3.03	0.00
33.70	5.81	3.03	0.00	36.30	5.81	3.03	0.00
33.75	5.81	3.03	0.00	36.35	5.81	3.03	0.00

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	3.03	0.00
36.45	5.81	3.03	0.00
36.50	5.81	3.03	0.00
36.55	5.81	3.03	0.00
36.60	5.81	3.03	0.00
36.65	5.81	3.03	0.00
36.70	5.81	3.03	0.00
36.75	5.81	3.03	0.00
36.80	5.81	3.03	0.00
36.85	5.81	3.03	0.00
36.90	5.81	3.03	0.00
36.95	5.81	3.03	0.00
37.00	5.81	3.03	0.00
37.05	5.81	3.03	0.00
37.10	5.81	3.03	0.00
37.15	5.81	3.03	0.00
37.20	5.81	3.03	0.00
37.25	5.81	3.03	0.00
37.30	5.81	3.03	0.00
37.35	5.81	3.03	0.00
37.40	5.81	3.03	0.00
37.45	5.81	3.03	0.00
37.50	5.81	3.03	0.00
37.55	5.81	3.03	0.00
37.60	5.81	3.03	0.00
37.65	5.81	3.03	0.00
37.70	5.81	3.03	0.00
37.75	5.81	3.03	0.00
37.80	5.81	3.03	0.00
37.85	5.81	3.03	0.00
37.90	5.81	3.03	0.00
37.95	5.81	3.03	0.00
38.00	5.81	3.03	0.00
38.05	5.81	3.03	0.00
38.10	5.81	3.03	0.00
38.15	5.81	3.03	0.00
38.20	5.81	3.03	0.00
38.25	5.81	3.03	0.00
38.30	5.81	3.03	0.00
38.35	5.81	3.03	0.00
38.40	5.81	3.03	0.00
38.45	5.81	3.03	0.00
38.50	5.81	3.03	0.00
38.55	5.81	3.03	0.00
38.60	5.81	3.03	0.00
38.65	5.81	3.03	0.00
38.70	5.81	3.03	0.00
38.75	5.81	3.03	0.00
38.80	5.81	3.03	0.00
38.85	5.81	3.03	0.00
38.90	5.81	3.03	0.00
38.95	5.81	3.03	0.00
39.00	5.81	3.03	0.00
39.05	5.81	3.03	0.00
39.10	5.81	3.03	0.00
39.15	5.81	3.03	0.00
39.20	5.81	3.03	0.00
39.25	5.81	3.03	0.00
39.30	5.81	3.03	0.00
39.35	5.81	3.03	0.00
39.40	5.81	3.03	0.00
39.45	5.81	3.03	0.00
39.50	5.81	3.03	0.00
39.55	5.81	3.03	0.00
39.60	5.81	3.03	0.00
39.65	5.81	3.03	0.00
39.70	5.81	3.03	0.00
39.75	5.81	3.03	0.00
39.80	5.81	3.03	0.00
39.85	5.81	3.03	0.00
39.90	5.81	3.03	0.00
39.95	5.81	3.03	0.00
40.00	5.81	3.03	0.00

Summary for Subcatchment UPDA-6: PDA-6 (undetained)

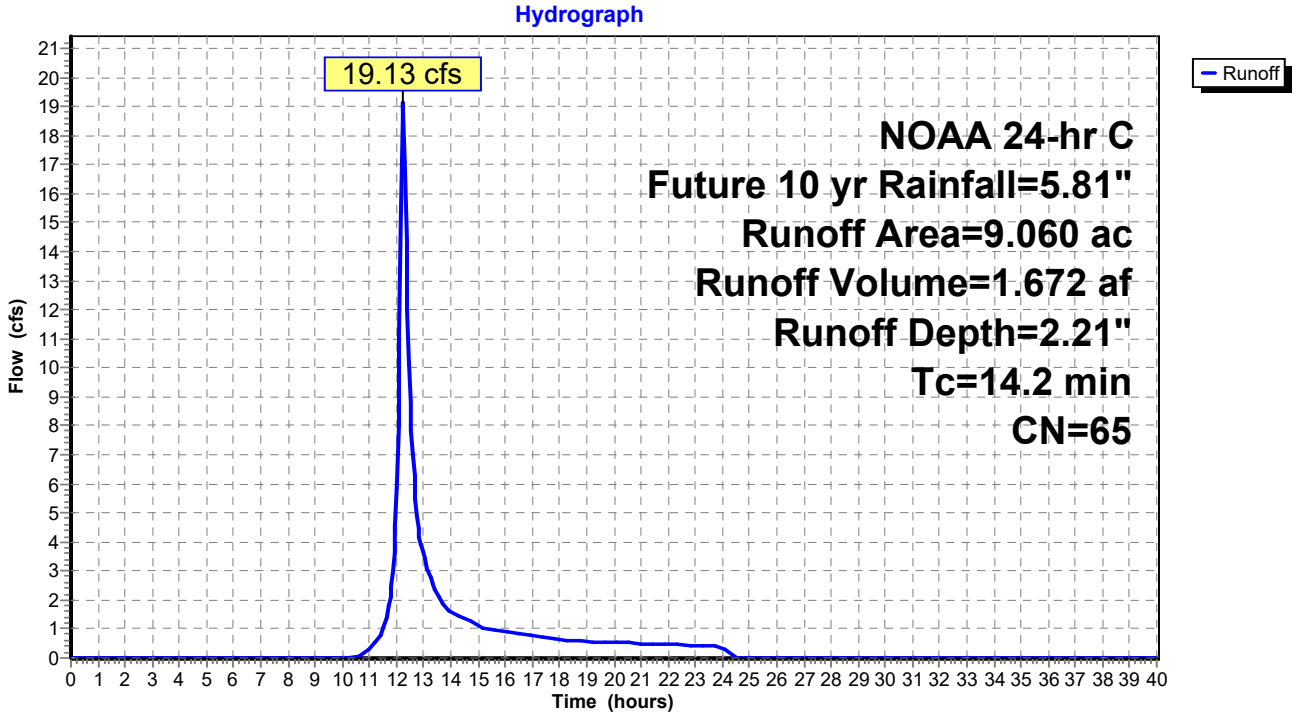
Runoff = 19.13 cfs @ 12.23 hrs, Volume= 1.672 af, Depth= 2.21"
Routed to Link PDA-6ON : Proposed Onsite Drainage Area #6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 10 yr Rainfall=5.81"

Area (ac)	CN	Description
2.520	74	>75% Grass cover, Good, HSG C
3.924	55	Woods, Good, HSG B
2.289	70	Woods, Good, HSG C
0.327	77	Woods, Good, HSG D
9.060	65	Weighted Average
9.060		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.2					**Direct Entry,**

Subcatchment UPDA-6: PDA-6 (undetained)



Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.17	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.18	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.18	0.00	0.00
0.15	0.01	0.00	0.00	2.75	0.19	0.00	0.00
0.20	0.01	0.00	0.00	2.80	0.19	0.00	0.00
0.25	0.02	0.00	0.00	2.85	0.19	0.00	0.00
0.30	0.02	0.00	0.00	2.90	0.20	0.00	0.00
0.35	0.02	0.00	0.00	2.95	0.20	0.00	0.00
0.40	0.03	0.00	0.00	3.00	0.20	0.00	0.00
0.45	0.03	0.00	0.00	3.05	0.21	0.00	0.00
0.50	0.03	0.00	0.00	3.10	0.21	0.00	0.00
0.55	0.03	0.00	0.00	3.15	0.22	0.00	0.00
0.60	0.04	0.00	0.00	3.20	0.22	0.00	0.00
0.65	0.04	0.00	0.00	3.25	0.22	0.00	0.00
0.70	0.04	0.00	0.00	3.30	0.23	0.00	0.00
0.75	0.05	0.00	0.00	3.35	0.23	0.00	0.00
0.80	0.05	0.00	0.00	3.40	0.24	0.00	0.00
0.85	0.05	0.00	0.00	3.45	0.24	0.00	0.00
0.90	0.06	0.00	0.00	3.50	0.24	0.00	0.00
0.95	0.06	0.00	0.00	3.55	0.25	0.00	0.00
1.00	0.06	0.00	0.00	3.60	0.25	0.00	0.00
1.05	0.07	0.00	0.00	3.65	0.26	0.00	0.00
1.10	0.07	0.00	0.00	3.70	0.26	0.00	0.00
1.15	0.07	0.00	0.00	3.75	0.26	0.00	0.00
1.20	0.08	0.00	0.00	3.80	0.27	0.00	0.00
1.25	0.08	0.00	0.00	3.85	0.27	0.00	0.00
1.30	0.08	0.00	0.00	3.90	0.28	0.00	0.00
1.35	0.09	0.00	0.00	3.95	0.28	0.00	0.00
1.40	0.09	0.00	0.00	4.00	0.28	0.00	0.00
1.45	0.09	0.00	0.00	4.05	0.29	0.00	0.00
1.50	0.10	0.00	0.00	4.10	0.29	0.00	0.00
1.55	0.10	0.00	0.00	4.15	0.30	0.00	0.00
1.60	0.10	0.00	0.00	4.20	0.30	0.00	0.00
1.65	0.11	0.00	0.00	4.25	0.31	0.00	0.00
1.70	0.11	0.00	0.00	4.30	0.31	0.00	0.00
1.75	0.11	0.00	0.00	4.35	0.31	0.00	0.00
1.80	0.12	0.00	0.00	4.40	0.32	0.00	0.00
1.85	0.12	0.00	0.00	4.45	0.32	0.00	0.00
1.90	0.12	0.00	0.00	4.50	0.33	0.00	0.00
1.95	0.13	0.00	0.00	4.55	0.33	0.00	0.00
2.00	0.13	0.00	0.00	4.60	0.33	0.00	0.00
2.05	0.13	0.00	0.00	4.65	0.34	0.00	0.00
2.10	0.14	0.00	0.00	4.70	0.34	0.00	0.00
2.15	0.14	0.00	0.00	4.75	0.35	0.00	0.00
2.20	0.15	0.00	0.00	4.80	0.35	0.00	0.00
2.25	0.15	0.00	0.00	4.85	0.36	0.00	0.00
2.30	0.15	0.00	0.00	4.90	0.36	0.00	0.00
2.35	0.16	0.00	0.00	4.95	0.37	0.00	0.00
2.40	0.16	0.00	0.00	5.00	0.37	0.00	0.00
2.45	0.16	0.00	0.00	5.05	0.37	0.00	0.00
2.50	0.17	0.00	0.00	5.10	0.38	0.00	0.00
2.55	0.17	0.00	0.00	5.15	0.38	0.00	0.00

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.39	0.00	0.00	7.80	0.67	0.00	0.00
5.25	0.39	0.00	0.00	7.85	0.68	0.00	0.00
5.30	0.40	0.00	0.00	7.90	0.68	0.00	0.00
5.35	0.40	0.00	0.00	7.95	0.69	0.00	0.00
5.40	0.41	0.00	0.00	8.00	0.70	0.00	0.00
5.45	0.41	0.00	0.00	8.05	0.70	0.00	0.00
5.50	0.41	0.00	0.00	8.10	0.71	0.00	0.00
5.55	0.42	0.00	0.00	8.15	0.72	0.00	0.00
5.60	0.42	0.00	0.00	8.20	0.72	0.00	0.00
5.65	0.43	0.00	0.00	8.25	0.73	0.00	0.00
5.70	0.43	0.00	0.00	8.30	0.74	0.00	0.00
5.75	0.44	0.00	0.00	8.35	0.75	0.00	0.00
5.80	0.44	0.00	0.00	8.40	0.75	0.00	0.00
5.85	0.45	0.00	0.00	8.45	0.76	0.00	0.00
5.90	0.45	0.00	0.00	8.50	0.77	0.00	0.00
5.95	0.46	0.00	0.00	8.55	0.78	0.00	0.00
6.00	0.46	0.00	0.00	8.60	0.78	0.00	0.00
6.05	0.47	0.00	0.00	8.65	0.79	0.00	0.00
6.10	0.47	0.00	0.00	8.70	0.80	0.00	0.00
6.15	0.47	0.00	0.00	8.75	0.81	0.00	0.00
6.20	0.48	0.00	0.00	8.80	0.82	0.00	0.00
6.25	0.48	0.00	0.00	8.85	0.82	0.00	0.00
6.30	0.49	0.00	0.00	8.90	0.83	0.00	0.00
6.35	0.50	0.00	0.00	8.95	0.84	0.00	0.00
6.40	0.50	0.00	0.00	9.00	0.85	0.00	0.00
6.45	0.51	0.00	0.00	9.05	0.86	0.00	0.00
6.50	0.51	0.00	0.00	9.10	0.87	0.00	0.00
6.55	0.52	0.00	0.00	9.15	0.87	0.00	0.00
6.60	0.52	0.00	0.00	9.20	0.88	0.00	0.00
6.65	0.53	0.00	0.00	9.25	0.89	0.00	0.00
6.70	0.53	0.00	0.00	9.30	0.90	0.00	0.00
6.75	0.54	0.00	0.00	9.35	0.91	0.00	0.00
6.80	0.54	0.00	0.00	9.40	0.92	0.00	0.00
6.85	0.55	0.00	0.00	9.45	0.93	0.00	0.00
6.90	0.56	0.00	0.00	9.50	0.94	0.00	0.00
6.95	0.56	0.00	0.00	9.55	0.95	0.00	0.00
7.00	0.57	0.00	0.00	9.60	0.96	0.00	0.00
7.05	0.57	0.00	0.00	9.65	0.98	0.00	0.00
7.10	0.58	0.00	0.00	9.70	0.99	0.00	0.00
7.15	0.58	0.00	0.00	9.75	1.00	0.00	0.00
7.20	0.59	0.00	0.00	9.80	1.01	0.00	0.00
7.25	0.60	0.00	0.00	9.85	1.02	0.00	0.00
7.30	0.60	0.00	0.00	9.90	1.03	0.00	0.00
7.35	0.61	0.00	0.00	9.95	1.05	0.00	0.00
7.40	0.62	0.00	0.00	10.00	1.06	0.00	0.00
7.45	0.62	0.00	0.00	10.05	1.07	0.00	0.00
7.50	0.63	0.00	0.00	10.10	1.09	0.00	0.00
7.55	0.64	0.00	0.00	10.15	1.10	0.00	0.00
7.60	0.64	0.00	0.00	10.20	1.11	0.00	0.00
7.65	0.65	0.00	0.00	10.25	1.13	0.00	0.01
7.70	0.65	0.00	0.00	10.30	1.14	0.00	0.01
7.75	0.66	0.00	0.00	10.35	1.15	0.00	0.02

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	1.17	0.00	0.03	13.00	4.42	1.28	3.53
10.45	1.18	0.00	0.04	13.05	4.44	1.29	3.35
10.50	1.20	0.00	0.06	13.10	4.46	1.31	3.18
10.55	1.21	0.00	0.07	13.15	4.48	1.32	3.01
10.60	1.23	0.00	0.08	13.20	4.50	1.33	2.86
10.65	1.25	0.01	0.10	13.25	4.52	1.35	2.72
10.70	1.27	0.01	0.12	13.30	4.54	1.36	2.60
10.75	1.29	0.01	0.14	13.35	4.56	1.37	2.50
10.80	1.31	0.01	0.17	13.40	4.58	1.38	2.40
10.85	1.33	0.01	0.19	13.45	4.60	1.39	2.30
10.90	1.35	0.01	0.22	13.50	4.61	1.40	2.21
10.95	1.37	0.02	0.26	13.55	4.63	1.41	2.12
11.00	1.39	0.02	0.29	13.60	4.64	1.42	2.02
11.05	1.42	0.02	0.33	13.65	4.66	1.43	1.93
11.10	1.45	0.02	0.37	13.70	4.67	1.44	1.85
11.15	1.48	0.03	0.42	13.75	4.68	1.45	1.78
11.20	1.51	0.03	0.48	13.80	4.70	1.46	1.73
11.25	1.54	0.04	0.54	13.85	4.71	1.46	1.69
11.30	1.57	0.04	0.62	13.90	4.72	1.47	1.66
11.35	1.61	0.05	0.70	13.95	4.74	1.48	1.63
11.40	1.64	0.05	0.78	14.00	4.75	1.49	1.61
11.45	1.68	0.06	0.87	14.05	4.76	1.50	1.58
11.50	1.72	0.07	0.97	14.10	4.78	1.51	1.56
11.55	1.78	0.08	1.08	14.15	4.79	1.51	1.53
11.60	1.83	0.09	1.24	14.20	4.80	1.52	1.51
11.65	1.90	0.11	1.49	14.25	4.81	1.53	1.49
11.70	1.96	0.12	1.79	14.30	4.82	1.54	1.47
11.75	2.04	0.15	2.11	14.35	4.83	1.54	1.44
11.80	2.13	0.17	2.48	14.40	4.85	1.55	1.42
11.85	2.25	0.21	2.95	14.45	4.86	1.56	1.39
11.90	2.36	0.25	3.61	14.50	4.87	1.57	1.37
11.95	2.57	0.32	4.52	14.55	4.88	1.57	1.34
12.00	2.77	0.40	5.88	14.60	4.89	1.58	1.32
12.05	3.11	0.56	8.00	14.65	4.90	1.59	1.30
12.10	3.45	0.72	11.16	14.70	4.91	1.59	1.27
12.15	3.56	0.79	15.31	14.75	4.92	1.60	1.25
12.20	3.68	0.85	18.57	14.80	4.93	1.60	1.22
12.25	3.77	0.90	**19.01**	14.85	4.94	1.61	1.20
12.30	3.85	0.94	17.07	14.90	4.94	1.62	1.17
12.35	3.91	0.98	14.35	14.95	4.95	1.62	1.15
12.40	3.98	1.01	12.04	15.00	4.96	1.63	1.12
12.45	4.03	1.05	10.22	15.05	4.97	1.63	1.10
12.50	4.09	1.08	8.83	15.10	4.98	1.64	1.07
12.55	4.13	1.11	7.83	15.15	4.99	1.64	1.05
12.60	4.17	1.13	7.04	15.20	4.99	1.65	1.03
12.65	4.20	1.15	6.26	15.25	5.00	1.65	1.01
12.70	4.24	1.17	5.52	15.30	5.01	1.66	0.99
12.75	4.27	1.19	4.91	15.35	5.02	1.67	0.98
12.80	4.30	1.21	4.48	15.40	5.03	1.67	0.97
12.85	4.33	1.23	4.16	15.45	5.03	1.68	0.97
12.90	4.36	1.25	3.92	15.50	5.04	1.68	0.96
12.95	4.39	1.26	3.71	15.55	5.05	1.69	0.95

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	5.06	1.69	0.95	18.20	5.37	1.90	0.60
15.65	5.06	1.70	0.94	18.25	5.37	1.91	0.59
15.70	5.07	1.70	0.93	18.30	5.38	1.91	0.59
15.75	5.08	1.71	0.93	18.35	5.38	1.91	0.59
15.80	5.09	1.71	0.92	18.40	5.39	1.92	0.59
15.85	5.09	1.72	0.91	18.45	5.39	1.92	0.58
15.90	5.10	1.72	0.91	18.50	5.40	1.92	0.58
15.95	5.11	1.73	0.90	18.55	5.40	1.93	0.58
16.00	5.11	1.73	0.90	18.60	5.40	1.93	0.58
16.05	5.12	1.73	0.89	18.65	5.41	1.93	0.58
16.10	5.13	1.74	0.88	18.70	5.41	1.93	0.58
16.15	5.13	1.74	0.88	18.75	5.42	1.94	0.57
16.20	5.14	1.75	0.87	18.80	5.42	1.94	0.57
16.25	5.15	1.75	0.86	18.85	5.43	1.94	0.57
16.30	5.16	1.76	0.86	18.90	5.43	1.95	0.57
16.35	5.16	1.76	0.85	18.95	5.44	1.95	0.57
16.40	5.17	1.77	0.84	19.00	5.44	1.95	0.57
16.45	5.17	1.77	0.84	19.05	5.44	1.96	0.56
16.50	5.18	1.78	0.83	19.10	5.45	1.96	0.56
16.55	5.19	1.78	0.82	19.15	5.45	1.96	0.56
16.60	5.19	1.78	0.82	19.20	5.46	1.97	0.56
16.65	5.20	1.79	0.81	19.25	5.46	1.97	0.56
16.70	5.21	1.79	0.80	19.30	5.47	1.97	0.56
16.75	5.21	1.80	0.80	19.35	5.47	1.97	0.55
16.80	5.22	1.80	0.79	19.40	5.48	1.98	0.55
16.85	5.23	1.81	0.78	19.45	5.48	1.98	0.55
16.90	5.23	1.81	0.78	19.50	5.48	1.98	0.55
16.95	5.24	1.81	0.77	19.55	5.49	1.99	0.55
17.00	5.24	1.82	0.76	19.60	5.49	1.99	0.55
17.05	5.25	1.82	0.76	19.65	5.50	1.99	0.54
17.10	5.25	1.83	0.75	19.70	5.50	2.00	0.54
17.15	5.26	1.83	0.74	19.75	5.50	2.00	0.54
17.20	5.27	1.83	0.74	19.80	5.51	2.00	0.54
17.25	5.27	1.84	0.73	19.85	5.51	2.00	0.54
17.30	5.28	1.84	0.72	19.90	5.52	2.01	0.54
17.35	5.28	1.84	0.72	19.95	5.52	2.01	0.54
17.40	5.29	1.85	0.71	20.00	5.53	2.01	0.53
17.45	5.29	1.85	0.70	20.05	5.53	2.02	0.53
17.50	5.30	1.86	0.70	20.10	5.53	2.02	0.53
17.55	5.30	1.86	0.69	20.15	5.54	2.02	0.53
17.60	5.31	1.86	0.68	20.20	5.54	2.02	0.53
17.65	5.31	1.87	0.68	20.25	5.55	2.03	0.52
17.70	5.32	1.87	0.67	20.30	5.55	2.03	0.52
17.75	5.33	1.87	0.66	20.35	5.55	2.03	0.52
17.80	5.33	1.88	0.66	20.40	5.56	2.04	0.52
17.85	5.34	1.88	0.65	20.45	5.56	2.04	0.52
17.90	5.34	1.88	0.64	20.50	5.57	2.04	0.52
17.95	5.34	1.89	0.63	20.55	5.57	2.04	0.51
18.00	5.35	1.89	0.63	20.60	5.57	2.05	0.51
18.05	5.35	1.89	0.62	20.65	5.58	2.05	0.51
18.10	5.36	1.90	0.61	20.70	5.58	2.05	0.51
18.15	5.36	1.90	0.61	20.75	5.59	2.05	0.51

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	5.59	2.06	0.51	23.40	5.77	2.19	0.42
20.85	5.59	2.06	0.51	23.45	5.78	2.19	0.41
20.90	5.60	2.06	0.50	23.50	5.78	2.19	0.41
20.95	5.60	2.07	0.50	23.55	5.78	2.19	0.41
21.00	5.61	2.07	0.50	23.60	5.78	2.20	0.41
21.05	5.61	2.07	0.50	23.65	5.79	2.20	0.41
21.10	5.61	2.07	0.50	23.70	5.79	2.20	0.41
21.15	5.62	2.08	0.49	23.75	5.79	2.20	0.40
21.20	5.62	2.08	0.49	23.80	5.80	2.20	0.40
21.25	5.62	2.08	0.49	23.85	5.80	2.21	0.40
21.30	5.63	2.08	0.49	23.90	5.80	2.21	0.40
21.35	5.63	2.09	0.49	23.95	5.81	2.21	0.40
21.40	5.64	2.09	0.49	24.00	**5.81**	**2.21**	0.40
21.45	5.64	2.09	0.49	24.05	5.81	2.21	0.41
21.50	5.64	2.09	0.48	24.10	5.81	2.21	0.40
21.55	5.65	2.10	0.48	24.15	5.81	2.21	0.33
21.60	5.65	2.10	0.48	24.20	5.81	2.21	0.23
21.65	5.65	2.10	0.48	24.25	5.81	2.21	0.14
21.70	5.66	2.11	0.48	24.30	5.81	2.21	0.08
21.75	5.66	2.11	0.47	24.35	5.81	2.21	0.05
21.80	5.66	2.11	0.47	24.40	5.81	2.21	0.03
21.85	5.67	2.11	0.47	24.45	5.81	2.21	0.02
21.90	5.67	2.12	0.47	24.50	5.81	2.21	0.01
21.95	5.68	2.12	0.47	24.55	5.81	2.21	0.01
22.00	5.68	2.12	0.47	24.60	5.81	2.21	0.00
22.05	5.68	2.12	0.46	24.65	5.81	2.21	0.00
22.10	5.69	2.13	0.46	24.70	5.81	2.21	0.00
22.15	5.69	2.13	0.46	24.75	5.81	2.21	0.00
22.20	5.69	2.13	0.46	24.80	5.81	2.21	0.00
22.25	5.70	2.13	0.46	24.85	5.81	2.21	0.00
22.30	5.70	2.14	0.46	24.90	5.81	2.21	0.00
22.35	5.70	2.14	0.45	24.95	5.81	2.21	0.00
22.40	5.71	2.14	0.45	25.00	5.81	2.21	0.00
22.45	5.71	2.14	0.45	25.05	5.81	2.21	0.00
22.50	5.71	2.15	0.45	25.10	5.81	2.21	0.00
22.55	5.72	2.15	0.45	25.15	5.81	2.21	0.00
22.60	5.72	2.15	0.44	25.20	5.81	2.21	0.00
22.65	5.72	2.15	0.44	25.25	5.81	2.21	0.00
22.70	5.73	2.15	0.44	25.30	5.81	2.21	0.00
22.75	5.73	2.16	0.44	25.35	5.81	2.21	0.00
22.80	5.73	2.16	0.44	25.40	5.81	2.21	0.00
22.85	5.74	2.16	0.44	25.45	5.81	2.21	0.00
22.90	5.74	2.16	0.43	25.50	5.81	2.21	0.00
22.95	5.74	2.17	0.43	25.55	5.81	2.21	0.00
23.00	5.75	2.17	0.43	25.60	5.81	2.21	0.00
23.05	5.75	2.17	0.43	25.65	5.81	2.21	0.00
23.10	5.75	2.17	0.43	25.70	5.81	2.21	0.00
23.15	5.76	2.18	0.43	25.75	5.81	2.21	0.00
23.20	5.76	2.18	0.42	25.80	5.81	2.21	0.00
23.25	5.76	2.18	0.42	25.85	5.81	2.21	0.00
23.30	5.77	2.18	0.42	25.90	5.81	2.21	0.00
23.35	5.77	2.18	0.42	25.95	5.81	2.21	0.00

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	5.81	2.21	0.00	28.60	5.81	2.21	0.00
26.05	5.81	2.21	0.00	28.65	5.81	2.21	0.00
26.10	5.81	2.21	0.00	28.70	5.81	2.21	0.00
26.15	5.81	2.21	0.00	28.75	5.81	2.21	0.00
26.20	5.81	2.21	0.00	28.80	5.81	2.21	0.00
26.25	5.81	2.21	0.00	28.85	5.81	2.21	0.00
26.30	5.81	2.21	0.00	28.90	5.81	2.21	0.00
26.35	5.81	2.21	0.00	28.95	5.81	2.21	0.00
26.40	5.81	2.21	0.00	29.00	5.81	2.21	0.00
26.45	5.81	2.21	0.00	29.05	5.81	2.21	0.00
26.50	5.81	2.21	0.00	29.10	5.81	2.21	0.00
26.55	5.81	2.21	0.00	29.15	5.81	2.21	0.00
26.60	5.81	2.21	0.00	29.20	5.81	2.21	0.00
26.65	5.81	2.21	0.00	29.25	5.81	2.21	0.00
26.70	5.81	2.21	0.00	29.30	5.81	2.21	0.00
26.75	5.81	2.21	0.00	29.35	5.81	2.21	0.00
26.80	5.81	2.21	0.00	29.40	5.81	2.21	0.00
26.85	5.81	2.21	0.00	29.45	5.81	2.21	0.00
26.90	5.81	2.21	0.00	29.50	5.81	2.21	0.00
26.95	5.81	2.21	0.00	29.55	5.81	2.21	0.00
27.00	5.81	2.21	0.00	29.60	5.81	2.21	0.00
27.05	5.81	2.21	0.00	29.65	5.81	2.21	0.00
27.10	5.81	2.21	0.00	29.70	5.81	2.21	0.00
27.15	5.81	2.21	0.00	29.75	5.81	2.21	0.00
27.20	5.81	2.21	0.00	29.80	5.81	2.21	0.00
27.25	5.81	2.21	0.00	29.85	5.81	2.21	0.00
27.30	5.81	2.21	0.00	29.90	5.81	2.21	0.00
27.35	5.81	2.21	0.00	29.95	5.81	2.21	0.00
27.40	5.81	2.21	0.00	30.00	5.81	2.21	0.00
27.45	5.81	2.21	0.00	30.05	5.81	2.21	0.00
27.50	5.81	2.21	0.00	30.10	5.81	2.21	0.00
27.55	5.81	2.21	0.00	30.15	5.81	2.21	0.00
27.60	5.81	2.21	0.00	30.20	5.81	2.21	0.00
27.65	5.81	2.21	0.00	30.25	5.81	2.21	0.00
27.70	5.81	2.21	0.00	30.30	5.81	2.21	0.00
27.75	5.81	2.21	0.00	30.35	5.81	2.21	0.00
27.80	5.81	2.21	0.00	30.40	5.81	2.21	0.00
27.85	5.81	2.21	0.00	30.45	5.81	2.21	0.00
27.90	5.81	2.21	0.00	30.50	5.81	2.21	0.00
27.95	5.81	2.21	0.00	30.55	5.81	2.21	0.00
28.00	5.81	2.21	0.00	30.60	5.81	2.21	0.00
28.05	5.81	2.21	0.00	30.65	5.81	2.21	0.00
28.10	5.81	2.21	0.00	30.70	5.81	2.21	0.00
28.15	5.81	2.21	0.00	30.75	5.81	2.21	0.00
28.20	5.81	2.21	0.00	30.80	5.81	2.21	0.00
28.25	5.81	2.21	0.00	30.85	5.81	2.21	0.00
28.30	5.81	2.21	0.00	30.90	5.81	2.21	0.00
28.35	5.81	2.21	0.00	30.95	5.81	2.21	0.00
28.40	5.81	2.21	0.00	31.00	5.81	2.21	0.00
28.45	5.81	2.21	0.00	31.05	5.81	2.21	0.00
28.50	5.81	2.21	0.00	31.10	5.81	2.21	0.00
28.55	5.81	2.21	0.00	31.15	5.81	2.21	0.00

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	5.81	2.21	0.00	33.80	5.81	2.21	0.00
31.25	5.81	2.21	0.00	33.85	5.81	2.21	0.00
31.30	5.81	2.21	0.00	33.90	5.81	2.21	0.00
31.35	5.81	2.21	0.00	33.95	5.81	2.21	0.00
31.40	5.81	2.21	0.00	34.00	5.81	2.21	0.00
31.45	5.81	2.21	0.00	34.05	5.81	2.21	0.00
31.50	5.81	2.21	0.00	34.10	5.81	2.21	0.00
31.55	5.81	2.21	0.00	34.15	5.81	2.21	0.00
31.60	5.81	2.21	0.00	34.20	5.81	2.21	0.00
31.65	5.81	2.21	0.00	34.25	5.81	2.21	0.00
31.70	5.81	2.21	0.00	34.30	5.81	2.21	0.00
31.75	5.81	2.21	0.00	34.35	5.81	2.21	0.00
31.80	5.81	2.21	0.00	34.40	5.81	2.21	0.00
31.85	5.81	2.21	0.00	34.45	5.81	2.21	0.00
31.90	5.81	2.21	0.00	34.50	5.81	2.21	0.00
31.95	5.81	2.21	0.00	34.55	5.81	2.21	0.00
32.00	5.81	2.21	0.00	34.60	5.81	2.21	0.00
32.05	5.81	2.21	0.00	34.65	5.81	2.21	0.00
32.10	5.81	2.21	0.00	34.70	5.81	2.21	0.00
32.15	5.81	2.21	0.00	34.75	5.81	2.21	0.00
32.20	5.81	2.21	0.00	34.80	5.81	2.21	0.00
32.25	5.81	2.21	0.00	34.85	5.81	2.21	0.00
32.30	5.81	2.21	0.00	34.90	5.81	2.21	0.00
32.35	5.81	2.21	0.00	34.95	5.81	2.21	0.00
32.40	5.81	2.21	0.00	35.00	5.81	2.21	0.00
32.45	5.81	2.21	0.00	35.05	5.81	2.21	0.00
32.50	5.81	2.21	0.00	35.10	5.81	2.21	0.00
32.55	5.81	2.21	0.00	35.15	5.81	2.21	0.00
32.60	5.81	2.21	0.00	35.20	5.81	2.21	0.00
32.65	5.81	2.21	0.00	35.25	5.81	2.21	0.00
32.70	5.81	2.21	0.00	35.30	5.81	2.21	0.00
32.75	5.81	2.21	0.00	35.35	5.81	2.21	0.00
32.80	5.81	2.21	0.00	35.40	5.81	2.21	0.00
32.85	5.81	2.21	0.00	35.45	5.81	2.21	0.00
32.90	5.81	2.21	0.00	35.50	5.81	2.21	0.00
32.95	5.81	2.21	0.00	35.55	5.81	2.21	0.00
33.00	5.81	2.21	0.00	35.60	5.81	2.21	0.00
33.05	5.81	2.21	0.00	35.65	5.81	2.21	0.00
33.10	5.81	2.21	0.00	35.70	5.81	2.21	0.00
33.15	5.81	2.21	0.00	35.75	5.81	2.21	0.00
33.20	5.81	2.21	0.00	35.80	5.81	2.21	0.00
33.25	5.81	2.21	0.00	35.85	5.81	2.21	0.00
33.30	5.81	2.21	0.00	35.90	5.81	2.21	0.00
33.35	5.81	2.21	0.00	35.95	5.81	2.21	0.00
33.40	5.81	2.21	0.00	36.00	5.81	2.21	0.00
33.45	5.81	2.21	0.00	36.05	5.81	2.21	0.00
33.50	5.81	2.21	0.00	36.10	5.81	2.21	0.00
33.55	5.81	2.21	0.00	36.15	5.81	2.21	0.00
33.60	5.81	2.21	0.00	36.20	5.81	2.21	0.00
33.65	5.81	2.21	0.00	36.25	5.81	2.21	0.00
33.70	5.81	2.21	0.00	36.30	5.81	2.21	0.00
33.75	5.81	2.21	0.00	36.35	5.81	2.21	0.00

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	5.81	2.21	0.00
36.45	5.81	2.21	0.00
36.50	5.81	2.21	0.00
36.55	5.81	2.21	0.00
36.60	5.81	2.21	0.00
36.65	5.81	2.21	0.00
36.70	5.81	2.21	0.00
36.75	5.81	2.21	0.00
36.80	5.81	2.21	0.00
36.85	5.81	2.21	0.00
36.90	5.81	2.21	0.00
36.95	5.81	2.21	0.00
37.00	5.81	2.21	0.00
37.05	5.81	2.21	0.00
37.10	5.81	2.21	0.00
37.15	5.81	2.21	0.00
37.20	5.81	2.21	0.00
37.25	5.81	2.21	0.00
37.30	5.81	2.21	0.00
37.35	5.81	2.21	0.00
37.40	5.81	2.21	0.00
37.45	5.81	2.21	0.00
37.50	5.81	2.21	0.00
37.55	5.81	2.21	0.00
37.60	5.81	2.21	0.00
37.65	5.81	2.21	0.00
37.70	5.81	2.21	0.00
37.75	5.81	2.21	0.00
37.80	5.81	2.21	0.00
37.85	5.81	2.21	0.00
37.90	5.81	2.21	0.00
37.95	5.81	2.21	0.00
38.00	5.81	2.21	0.00
38.05	5.81	2.21	0.00
38.10	5.81	2.21	0.00
38.15	5.81	2.21	0.00
38.20	5.81	2.21	0.00
38.25	5.81	2.21	0.00
38.30	5.81	2.21	0.00
38.35	5.81	2.21	0.00
38.40	5.81	2.21	0.00
38.45	5.81	2.21	0.00
38.50	5.81	2.21	0.00
38.55	5.81	2.21	0.00
38.60	5.81	2.21	0.00
38.65	5.81	2.21	0.00
38.70	5.81	2.21	0.00
38.75	5.81	2.21	0.00
38.80	5.81	2.21	0.00
38.85	5.81	2.21	0.00
38.90	5.81	2.21	0.00
38.95	5.81	2.21	0.00
39.00	5.81	2.21	0.00
39.05	5.81	2.21	0.00
39.10	5.81	2.21	0.00
39.15	5.81	2.21	0.00
39.20	5.81	2.21	0.00
39.25	5.81	2.21	0.00
39.30	5.81	2.21	0.00
39.35	5.81	2.21	0.00
39.40	5.81	2.21	0.00
39.45	5.81	2.21	0.00
39.50	5.81	2.21	0.00
39.55	5.81	2.21	0.00
39.60	5.81	2.21	0.00
39.65	5.81	2.21	0.00
39.70	5.81	2.21	0.00
39.75	5.81	2.21	0.00
39.80	5.81	2.21	0.00
39.85	5.81	2.21	0.00
39.90	5.81	2.21	0.00
39.95	5.81	2.21	0.00
40.00	5.81	2.21	0.00

Summary for Pond B-51: Basin #51

Inflow Area = 11.027 ac, 43.68% Impervious, Inflow Depth > 3.62" for Future 10 yr event
Inflow = 26.20 cfs @ 12.16 hrs, Volume= 3.323 af
Outflow = 12.25 cfs @ 12.58 hrs, Volume= 3.281 af, Atten= 53%, Lag= 25.3 min
Primary = 12.25 cfs @ 12.58 hrs, Volume= 3.281 af
Routed to Link PDA-6ON : Proposed Onsite Drainage Area #6

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 185.81' @ 12.58 hrs Surf.Area= 16,548 sf Storage= 29,886 cf

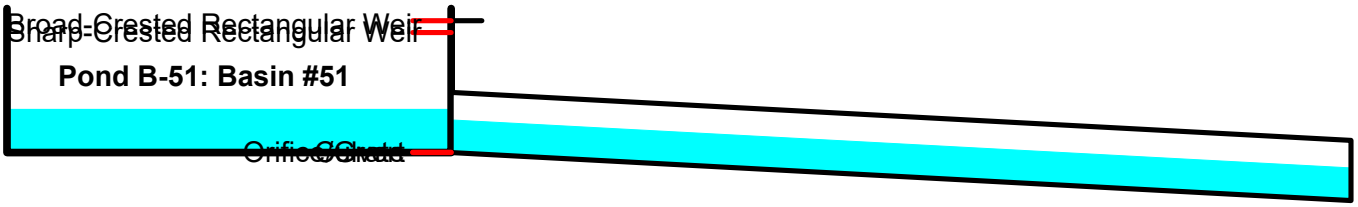
Plug-Flow detention time= 70.8 min calculated for 3.277 af (99% of inflow)
Center-of-Mass det. time= 54.6 min (983.1 - 928.4)

Volume	Invert	Avail.Storage	Storage Description
#1	184.00'	99,288 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

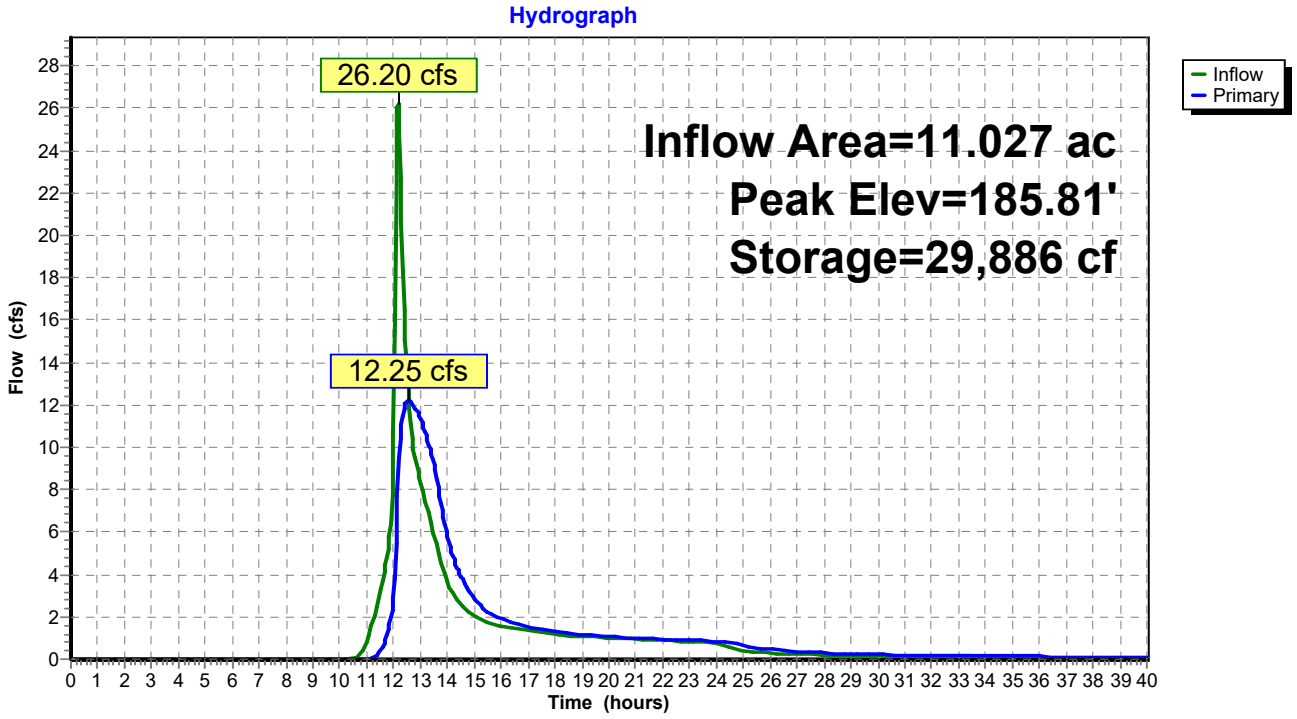
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
184.00	16,548	0	0
185.00	16,548	16,548	16,548
186.00	16,548	16,548	33,096
187.00	16,548	16,548	49,644
188.00	16,548	16,548	66,192
189.00	16,548	16,548	82,740
190.00	16,548	16,548	99,288

Device	Routing	Invert	Outlet Devices
#1	Primary	184.00'	**30.0" Round Culvert** L= 147.0' Ke= 0.500 Inlet / Outlet Invert= 184.00' / 182.00' S= 0.0136 '/' Cc= 0.900 n= 0.013, Flow Area= 4.91 sf
#2	Device 1	184.01'	**27.0" W x 12.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	189.00'	**8.0' long Sharp-Crested Rectangular Weir** 0 End Contraction(s)
#4	Primary	189.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=12.25 cfs @ 12.58 hrs HW=185.80' (Free Discharge)
- **1=Culvert** (Passes 12.25 cfs of 17.36 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 12.25 cfs @ 5.44 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-51: Basin #51



Hydrograph for Pond B-51: Basin #51

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	184.00	0.00
0.10	0.00	0	184.00	0.00
0.20	0.00	0	184.00	0.00
0.30	0.00	0	184.00	0.00
0.40	0.00	0	184.00	0.00
0.50	0.00	0	184.00	0.00
0.60	0.00	0	184.00	0.00
0.70	0.00	0	184.00	0.00
0.80	0.00	0	184.00	0.00
0.90	0.00	0	184.00	0.00
1.00	0.00	0	184.00	0.00
1.10	0.00	0	184.00	0.00
1.20	0.00	0	184.00	0.00
1.30	0.00	0	184.00	0.00
1.40	0.00	0	184.00	0.00
1.50	0.00	0	184.00	0.00
1.60	0.00	0	184.00	0.00
1.70	0.00	0	184.00	0.00
1.80	0.00	0	184.00	0.00
1.90	0.00	0	184.00	0.00
2.00	0.00	0	184.00	0.00
2.10	0.00	0	184.00	0.00
2.20	0.00	0	184.00	0.00
2.30	0.00	0	184.00	0.00
2.40	0.00	0	184.00	0.00
2.50	0.00	0	184.00	0.00
2.60	0.00	0	184.00	0.00
2.70	0.00	0	184.00	0.00
2.80	0.00	0	184.00	0.00
2.90	0.00	0	184.00	0.00
3.00	0.00	0	184.00	0.00
3.10	0.00	0	184.00	0.00
3.20	0.00	0	184.00	0.00
3.30	0.00	0	184.00	0.00
3.40	0.00	0	184.00	0.00
3.50	0.00	0	184.00	0.00
3.60	0.00	0	184.00	0.00
3.70	0.00	0	184.00	0.00
3.80	0.00	0	184.00	0.00
3.90	0.00	0	184.00	0.00
4.00	0.00	0	184.00	0.00
4.10	0.00	0	184.00	0.00
4.20	0.00	0	184.00	0.00
4.30	0.00	0	184.00	0.00
4.40	0.00	0	184.00	0.00
4.50	0.00	0	184.00	0.00
4.60	0.00	0	184.00	0.00
4.70	0.00	0	184.00	0.00
4.80	0.00	0	184.00	0.00
4.90	0.00	0	184.00	0.00
5.00	0.00	0	184.00	0.00
5.10	0.00	0	184.00	0.00

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	0	184.00	0.00
5.30	0.00	0	184.00	0.00
5.40	0.00	0	184.00	0.00
5.50	0.00	0	184.00	0.00
5.60	0.00	0	184.00	0.00
5.70	0.00	0	184.00	0.00
5.80	0.00	0	184.00	0.00
5.90	0.00	0	184.00	0.00
6.00	0.00	0	184.00	0.00
6.10	0.00	0	184.00	0.00
6.20	0.00	0	184.00	0.00
6.30	0.00	0	184.00	0.00
6.40	0.00	0	184.00	0.00
6.50	0.00	0	184.00	0.00
6.60	0.00	0	184.00	0.00
6.70	0.00	0	184.00	0.00
6.80	0.00	0	184.00	0.00
6.90	0.00	0	184.00	0.00
7.00	0.00	0	184.00	0.00
7.10	0.00	0	184.00	0.00
7.20	0.00	0	184.00	0.00
7.30	0.00	0	184.00	0.00
7.40	0.00	0	184.00	0.00
7.50	0.00	0	184.00	0.00
7.60	0.00	0	184.00	0.00
7.70	0.00	0	184.00	0.00
7.80	0.00	0	184.00	0.00
7.90	0.00	0	184.00	0.00
8.00	0.00	0	184.00	0.00
8.10	0.00	0	184.00	0.00
8.20	0.00	0	184.00	0.00
8.30	0.00	0	184.00	0.00
8.40	0.00	1	184.00	0.00
8.50	0.00	2	184.00	0.00
8.60	0.00	3	184.00	0.00
8.70	0.00	4	184.00	0.00
8.80	0.01	6	184.00	0.00
8.90	0.01	8	184.00	0.00
9.00	0.01	11	184.00	0.00
9.10	0.01	14	184.00	0.00
9.20	0.01	17	184.00	0.00
9.30	0.01	21	184.00	0.00
9.40	0.01	26	184.00	0.00
9.50	0.02	31	184.00	0.00
9.60	0.02	37	184.00	0.00
9.70	0.02	44	184.00	0.00
9.80	0.02	51	184.00	0.00
9.90	0.02	60	184.00	0.00
10.00	0.03	69	184.00	0.00
10.10	0.03	79	184.00	0.00
10.20	0.03	91	184.01	0.00
10.30	0.04	103	184.01	0.00

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.04	117	184.01	0.00
10.50	0.04	132	184.01	0.00
10.60	0.05	148	184.01	0.00
10.70	0.06	167	184.01	0.00
10.80	0.24	217	184.01	0.00
10.90	0.53	352	184.02	0.01
11.00	0.89	604	184.04	0.01
11.10	1.29	988	184.06	0.03
11.20	1.72	1,512	184.09	0.07
11.30	2.17	2,178	184.13	0.13
11.40	2.61	2,976	184.18	0.23
11.50	3.04	3,884	184.23	0.39
11.60	3.71	4,911	184.30	0.61
11.70	4.44	6,105	184.37	0.94
11.80	5.24	7,427	184.45	1.37
11.90	6.40	8,921	184.54	1.95
12.00	10.59	10,985	184.66	2.90
12.10	**22.56**	15,313	184.93	5.41
12.20	**24.87**	21,554	185.30	9.47
12.30	20.54	26,009	185.57	11.05
12.40	16.49	28,518	185.72	11.85
12.50	13.93	29,627	185.79	12.18
12.60	11.92	**29,879**	**185.81**	**12.25**
12.70	10.42	29,490	185.78	12.14
12.80	9.50	28,736	185.74	11.91
12.90	8.84	27,800	185.68	11.63
13.00	8.29	26,755	185.62	11.30
13.10	7.78	25,646	185.55	10.93
13.20	7.28	24,489	185.48	10.54
13.30	6.78	23,299	185.41	10.12
13.40	6.29	22,089	185.33	9.67
13.50	5.80	20,869	185.26	9.20
13.60	5.31	19,672	185.19	8.55
13.70	4.84	18,576	185.12	7.71
13.80	4.40	17,595	185.06	6.99
13.90	3.97	16,700	185.01	6.35
14.00	3.61	15,880	184.96	5.79
14.10	3.33	15,135	184.91	5.30
14.20	3.11	14,463	184.87	4.87
14.30	2.92	13,863	184.84	4.50
14.40	2.76	13,323	184.81	4.18
14.50	2.61	12,837	184.78	3.89
14.60	2.48	12,395	184.75	3.65
14.70	2.35	11,992	184.72	3.42
14.80	2.24	11,622	184.70	3.23
14.90	2.13	11,278	184.68	3.05
15.00	2.02	10,957	184.66	2.88
15.10	1.93	10,657	184.64	2.74
15.20	1.85	10,377	184.63	2.60
15.30	1.79	10,118	184.61	2.48
15.40	1.74	9,881	184.60	2.37
15.50	1.69	9,663	184.58	2.27

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	1.66	9,464	184.57	2.18
15.70	1.62	9,283	184.56	2.10
15.80	1.59	9,118	184.55	2.03
15.90	1.57	8,967	184.54	1.97
16.00	1.54	8,830	184.53	1.91
16.10	1.52	8,703	184.53	1.86
16.20	1.50	8,585	184.52	1.81
16.30	1.47	8,476	184.51	1.77
16.40	1.45	8,374	184.51	1.73
16.50	1.44	8,279	184.50	1.69
16.60	1.42	8,191	184.49	1.65
16.70	1.40	8,109	184.49	1.62
16.80	1.38	8,032	184.49	1.59
16.90	1.37	7,959	184.48	1.56
17.00	1.35	7,890	184.48	1.54
17.10	1.33	7,823	184.47	1.51
17.20	1.31	7,759	184.47	1.49
17.30	1.30	7,697	184.47	1.47
17.40	1.28	7,635	184.46	1.45
17.50	1.26	7,576	184.46	1.42
17.60	1.24	7,518	184.45	1.40
17.70	1.23	7,461	184.45	1.38
17.80	1.21	7,405	184.45	1.36
17.90	1.19	7,349	184.44	1.34
18.00	1.17	7,295	184.44	1.32
18.10	1.15	7,241	184.44	1.30
18.20	1.14	7,187	184.43	1.29
18.30	1.13	7,136	184.43	1.27
18.40	1.11	7,086	184.43	1.25
18.50	1.10	7,038	184.43	1.23
18.60	1.09	6,993	184.42	1.22
18.70	1.09	6,951	184.42	1.20
18.80	1.08	6,911	184.42	1.19
18.90	1.07	6,873	184.42	1.18
19.00	1.07	6,837	184.41	1.16
19.10	1.06	6,802	184.41	1.15
19.20	1.05	6,769	184.41	1.14
19.30	1.05	6,737	184.41	1.13
19.40	1.04	6,707	184.41	1.12
19.50	1.04	6,678	184.40	1.12
19.60	1.03	6,651	184.40	1.11
19.70	1.03	6,624	184.40	1.10
19.80	1.02	6,598	184.40	1.09
19.90	1.02	6,574	184.40	1.08
20.00	1.01	6,550	184.40	1.07
20.10	1.00	6,527	184.39	1.07
20.20	1.00	6,505	184.39	1.06
20.30	0.99	6,483	184.39	1.05
20.40	0.99	6,461	184.39	1.05
20.50	0.98	6,440	184.39	1.04
20.60	0.98	6,420	184.39	1.03
20.70	0.97	6,400	184.39	1.03

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.97	6,380	184.39	1.02
20.90	0.96	6,361	184.38	1.02
21.00	0.96	6,341	184.38	1.01
21.10	0.95	6,322	184.38	1.00
21.20	0.95	6,303	184.38	1.00
21.30	0.94	6,284	184.38	0.99
21.40	0.93	6,266	184.38	0.99
21.50	0.93	6,248	184.38	0.98
21.60	0.92	6,229	184.38	0.97
21.70	0.92	6,211	184.38	0.97
21.80	0.91	6,193	184.37	0.96
21.90	0.91	6,175	184.37	0.96
22.00	0.90	6,157	184.37	0.95
22.10	0.90	6,139	184.37	0.95
22.20	0.89	6,122	184.37	0.94
22.30	0.89	6,104	184.37	0.93
22.40	0.88	6,086	184.37	0.93
22.50	0.87	6,068	184.37	0.92
22.60	0.87	6,051	184.37	0.92
22.70	0.86	6,033	184.36	0.91
22.80	0.86	6,015	184.36	0.91
22.90	0.85	5,997	184.36	0.90
23.00	0.85	5,980	184.36	0.90
23.10	0.84	5,962	184.36	0.89
23.20	0.84	5,944	184.36	0.89
23.30	0.83	5,926	184.36	0.88
23.40	0.82	5,908	184.36	0.88
23.50	0.82	5,889	184.36	0.87
23.60	0.81	5,870	184.35	0.87
23.70	0.81	5,851	184.35	0.86
23.80	0.80	5,832	184.35	0.86
23.90	0.80	5,813	184.35	0.85
24.00	0.80	5,795	184.35	0.85
24.10	0.75	5,775	184.35	0.84
24.20	0.67	5,729	184.35	0.83
24.30	0.60	5,662	184.34	0.81
24.40	0.56	5,584	184.34	0.79
24.50	0.53	5,500	184.33	0.77
24.60	0.50	5,414	184.33	0.74
24.70	0.47	5,327	184.32	0.72
24.80	0.45	5,238	184.32	0.70
24.90	0.43	5,151	184.31	0.67
25.00	0.41	5,064	184.31	0.65
25.10	0.39	4,980	184.30	0.63
25.20	0.38	4,897	184.30	0.61
25.30	0.36	4,815	184.29	0.59
25.40	0.35	4,735	184.29	0.57
25.50	0.34	4,657	184.28	0.55
25.60	0.33	4,581	184.28	0.54
25.70	0.32	4,508	184.27	0.52
25.80	0.31	4,437	184.27	0.50
25.90	0.31	4,369	184.26	0.49

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.30	4,304	184.26	0.48
26.10	0.29	4,242	184.26	0.46
26.20	0.29	4,183	184.25	0.45
26.30	0.28	4,126	184.25	0.44
26.40	0.27	4,071	184.25	0.42
26.50	0.27	4,018	184.24	0.41
26.60	0.26	3,968	184.24	0.40
26.70	0.26	3,919	184.24	0.39
26.80	0.25	3,872	184.23	0.38
26.90	0.25	3,825	184.23	0.38
27.00	0.24	3,780	184.23	0.37
27.10	0.24	3,736	184.23	0.36
27.20	0.23	3,693	184.22	0.35
27.30	0.23	3,651	184.22	0.35
27.40	0.23	3,610	184.22	0.34
27.50	0.22	3,569	184.22	0.33
27.60	0.22	3,530	184.21	0.32
27.70	0.21	3,492	184.21	0.32
27.80	0.21	3,455	184.21	0.31
27.90	0.21	3,419	184.21	0.30
28.00	0.20	3,384	184.20	0.30
28.10	0.20	3,350	184.20	0.29
28.20	0.20	3,318	184.20	0.29
28.30	0.19	3,286	184.20	0.28
28.40	0.19	3,255	184.20	0.28
28.50	0.19	3,226	184.19	0.27
28.60	0.19	3,197	184.19	0.27
28.70	0.19	3,169	184.19	0.26
28.80	0.18	3,142	184.19	0.26
28.90	0.18	3,116	184.19	0.25
29.00	0.18	3,091	184.19	0.25
29.10	0.18	3,067	184.19	0.24
29.20	0.18	3,044	184.18	0.24
29.30	0.17	3,022	184.18	0.23
29.40	0.17	3,000	184.18	0.23
29.50	0.17	2,979	184.18	0.23
29.60	0.17	2,959	184.18	0.22
29.70	0.17	2,939	184.18	0.22
29.80	0.17	2,920	184.18	0.22
29.90	0.16	2,900	184.18	0.22
30.00	0.16	2,882	184.17	0.22
30.10	0.16	2,863	184.17	0.21
30.20	0.16	2,845	184.17	0.21
30.30	0.16	2,827	184.17	0.21
30.40	0.16	2,810	184.17	0.21
30.50	0.16	2,793	184.17	0.20
30.60	0.16	2,776	184.17	0.20
30.70	0.15	2,760	184.17	0.20
30.80	0.15	2,744	184.17	0.20
30.90	0.15	2,728	184.16	0.20
31.00	0.15	2,712	184.16	0.19
31.10	0.15	2,697	184.16	0.19

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.15	2,682	184.16	0.19
31.30	0.15	2,667	184.16	0.19
31.40	0.15	2,652	184.16	0.19
31.50	0.15	2,638	184.16	0.18
31.60	0.14	2,624	184.16	0.18
31.70	0.14	2,610	184.16	0.18
31.80	0.14	2,597	184.16	0.18
31.90	0.14	2,583	184.16	0.18
32.00	0.14	2,570	184.16	0.18
32.10	0.14	2,557	184.15	0.17
32.20	0.14	2,545	184.15	0.17
32.30	0.14	2,532	184.15	0.17
32.40	0.14	2,520	184.15	0.17
32.50	0.13	2,508	184.15	0.17
32.60	0.13	2,496	184.15	0.17
32.70	0.13	2,484	184.15	0.16
32.80	0.13	2,472	184.15	0.16
32.90	0.13	2,461	184.15	0.16
33.00	0.13	2,450	184.15	0.16
33.10	0.13	2,439	184.15	0.16
33.20	0.13	2,428	184.15	0.16
33.30	0.13	2,417	184.15	0.16
33.40	0.13	2,407	184.15	0.16
33.50	0.12	2,396	184.14	0.15
33.60	0.12	2,386	184.14	0.15
33.70	0.12	2,376	184.14	0.15
33.80	0.12	2,366	184.14	0.15
33.90	0.12	2,356	184.14	0.15
34.00	0.12	2,346	184.14	0.15
34.10	0.12	2,336	184.14	0.15
34.20	0.12	2,326	184.14	0.14
34.30	0.12	2,317	184.14	0.14
34.40	0.12	2,308	184.14	0.14
34.50	0.12	2,298	184.14	0.14
34.60	0.11	2,289	184.14	0.14
34.70	0.11	2,280	184.14	0.14
34.80	0.11	2,271	184.14	0.14
34.90	0.11	2,262	184.14	0.14
35.00	0.11	2,253	184.14	0.14
35.10	0.11	2,244	184.14	0.13
35.20	0.11	2,235	184.14	0.13
35.30	0.11	2,227	184.13	0.13
35.40	0.11	2,218	184.13	0.13
35.50	0.11	2,209	184.13	0.13
35.60	0.11	2,201	184.13	0.13
35.70	0.10	2,192	184.13	0.13
35.80	0.10	2,184	184.13	0.13
35.90	0.10	2,176	184.13	0.13
36.00	0.10	2,167	184.13	0.12
36.10	0.10	2,159	184.13	0.12
36.20	0.10	2,151	184.13	0.12
36.30	0.10	2,142	184.13	0.12

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.10	2,134	184.13	0.12
36.50	0.10	2,126	184.13	0.12
36.60	0.10	2,118	184.13	0.12
36.70	0.10	2,110	184.13	0.12
36.80	0.09	2,102	184.13	0.12
36.90	0.09	2,094	184.13	0.12
37.00	0.09	2,086	184.13	0.11
37.10	0.09	2,078	184.13	0.11
37.20	0.09	2,070	184.13	0.11
37.30	0.09	2,063	184.12	0.11
37.40	0.09	2,055	184.12	0.11
37.50	0.09	2,047	184.12	0.11
37.60	0.09	2,039	184.12	0.11
37.70	0.09	2,031	184.12	0.11
37.80	0.09	2,024	184.12	0.11
37.90	0.08	2,016	184.12	0.11
38.00	0.08	2,008	184.12	0.10
38.10	0.08	2,000	184.12	0.10
38.20	0.08	1,993	184.12	0.10
38.30	0.08	1,985	184.12	0.10
38.40	0.08	1,977	184.12	0.10
38.50	0.08	1,970	184.12	0.10
38.60	0.08	1,962	184.12	0.10
38.70	0.08	1,954	184.12	0.10
38.80	0.08	1,945	184.12	0.10
38.90	0.08	1,937	184.12	0.10
39.00	0.07	1,929	184.12	0.10
39.10	0.07	1,920	184.12	0.10
39.20	0.07	1,912	184.12	0.10
39.30	0.07	1,903	184.12	0.10
39.40	0.07	1,894	184.11	0.09
39.50	0.07	1,886	184.11	0.09
39.60	0.07	1,877	184.11	0.09
39.70	0.07	1,868	184.11	0.09
39.80	0.07	1,859	184.11	0.09
39.90	0.07	1,849	184.11	0.09
40.00	0.06	1,840	184.11	0.09

Stage-Discharge for Pond B-51: Basin #51

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
184.00	0.00	184.52	1.81	185.04	6.71	185.56	10.99
184.01	0.00	184.53	1.88	185.05	6.83	185.57	11.05
184.02	0.00	184.54	1.95	185.06	6.94	185.58	11.10
184.03	0.01	184.55	2.02	185.07	7.06	185.59	11.15
184.04	0.01	184.56	2.09	185.08	7.19	185.60	11.21
184.05	0.02	184.57	2.17	185.09	7.31	185.61	11.26
184.06	0.03	184.58	2.24	185.10	7.43	185.62	11.31
184.07	0.03	184.59	2.31	185.11	7.55	185.63	11.37
184.08	0.05	184.60	2.39	185.12	7.67	185.64	11.42
184.09	0.06	184.61	2.47	185.13	7.80	185.65	11.47
184.10	0.07	184.62	2.54	185.14	7.92	185.66	11.52
184.11	0.09	184.63	2.62	185.15	8.05	185.67	11.57
184.12	0.10	184.64	2.70	185.16	8.18	185.68	11.63
184.13	0.12	184.65	2.78	185.17	8.30	185.69	11.68
184.14	0.14	184.66	2.87	185.18	8.43	185.70	11.73
184.15	0.16	184.67	2.95	185.19	8.56	185.71	11.78
184.16	0.18	184.68	3.03	185.20	8.69	185.72	11.83
184.17	0.20	184.69	3.12	185.21	8.82	185.73	11.88
184.18	0.23	184.70	3.21	185.22	8.92	185.74	11.93
184.19	0.25	184.71	3.29	185.23	8.99	185.75	11.98
184.20	0.28	184.72	3.38	185.24	9.06	185.76	12.03
184.21	0.31	184.73	3.47	185.25	9.12	185.77	12.08
184.22	0.34	184.74	3.56	185.26	9.19	185.78	12.13
184.23	0.37	184.75	3.65	185.27	9.26	185.79	12.18
184.24	0.40	184.76	3.74	185.28	9.32	185.80	12.23
184.25	0.43	184.77	3.84	185.29	9.39	185.81	12.27
184.26	0.47	184.78	3.93	185.30	9.45	185.82	12.32
184.27	0.51	184.79	4.03	185.31	9.52	185.83	12.37
184.28	0.54	184.80	4.12	185.32	9.58	185.84	12.42
184.29	0.58	184.81	4.22	185.33	9.65	185.85	12.47
184.30	0.62	184.82	4.32	185.34	9.71	185.86	12.51
184.31	0.66	184.83	4.42	185.35	9.77	185.87	12.56
184.32	0.71	184.84	4.52	185.36	9.83	185.88	12.61
184.33	0.75	184.85	4.62	185.37	9.89	185.89	12.66
184.34	0.80	184.86	4.72	185.38	9.96	185.90	12.70
184.35	0.84	184.87	4.82	185.39	10.02	185.91	12.75
184.36	0.89	184.88	4.93	185.40	10.08	185.92	12.80
184.37	0.94	184.89	5.03	185.41	10.14	185.93	12.84
184.38	0.99	184.90	5.14	185.42	10.20	185.94	12.89
184.39	1.04	184.91	5.25	185.43	10.26	185.95	12.93
184.40	1.09	184.92	5.35	185.44	10.31	185.96	12.98
184.41	1.15	184.93	5.46	185.45	10.37	185.97	13.02
184.42	1.20	184.94	5.57	185.46	10.43	185.98	13.07
184.43	1.26	184.95	5.68	185.47	10.49	185.99	13.12
184.44	1.31	184.96	5.79	185.48	10.55	186.00	13.16
184.45	1.37	184.97	5.90	185.49	10.60	186.01	13.21
184.46	1.43	184.98	6.02	185.50	10.66	186.02	13.25
184.47	1.49	184.99	6.13	185.51	10.71	186.03	13.30
184.48	1.55	185.00	6.24	185.52	10.77	186.04	13.34
184.49	1.62	185.01	6.36	185.53	10.83	186.05	13.38
184.50	1.68	185.02	6.47	185.54	10.88	186.06	13.43
184.51	1.75	185.03	6.59	185.55	10.94	186.07	13.47

Stage-Discharge for Pond B-51: Basin #51 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
186.08	13.52	186.60	15.62	187.12	17.48	187.64	19.15
186.09	13.56	186.61	15.66	187.13	17.51	187.65	19.18
186.10	13.60	186.62	15.70	187.14	17.54	187.66	19.21
186.11	13.65	186.63	15.74	187.15	17.58	187.67	19.24
186.12	13.69	186.64	15.77	187.16	17.61	187.68	19.27
186.13	13.73	186.65	15.81	187.17	17.64	187.69	19.30
186.14	13.78	186.66	15.85	187.18	17.68	187.70	19.33
186.15	13.82	186.67	15.89	187.19	17.71	187.71	19.36
186.16	13.86	186.68	15.92	187.20	17.74	187.72	19.39
186.17	13.90	186.69	15.96	187.21	17.78	187.73	19.42
186.18	13.95	186.70	16.00	187.22	17.81	187.74	19.45
186.19	13.99	186.71	16.03	187.23	17.84	187.75	19.48
186.20	14.03	186.72	16.07	187.24	17.88	187.76	19.51
186.21	14.07	186.73	16.11	187.25	17.91	187.77	19.54
186.22	14.12	186.74	16.14	187.26	17.94	187.78	19.57
186.23	14.16	186.75	16.18	187.27	17.97	187.79	19.60
186.24	14.20	186.76	16.22	187.28	18.01	187.80	19.63
186.25	14.24	186.77	16.25	187.29	18.04	187.81	19.66
186.26	14.28	186.78	16.29	187.30	18.07	187.82	19.69
186.27	14.32	186.79	16.33	187.31	18.10	187.83	19.72
186.28	14.36	186.80	16.36	187.32	18.14	187.84	19.75
186.29	14.41	186.81	16.40	187.33	18.17	187.85	19.78
186.30	14.45	186.82	16.43	187.34	18.20	187.86	19.81
186.31	14.49	186.83	16.47	187.35	18.23	187.87	19.84
186.32	14.53	186.84	16.50	187.36	18.27	187.88	19.87
186.33	14.57	186.85	16.54	187.37	18.30	187.89	19.90
186.34	14.61	186.86	16.58	187.38	18.33	187.90	19.93
186.35	14.65	186.87	16.61	187.39	18.36	187.91	19.96
186.36	14.69	186.88	16.65	187.40	18.39	187.92	19.99
186.37	14.73	186.89	16.68	187.41	18.43	187.93	20.02
186.38	14.77	186.90	16.72	187.42	18.46	187.94	20.05
186.39	14.81	186.91	16.75	187.43	18.49	187.95	20.08
186.40	14.85	186.92	16.79	187.44	18.52	187.96	20.11
186.41	14.89	186.93	16.82	187.45	18.55	187.97	20.13
186.42	14.93	186.94	16.86	187.46	18.59	187.98	20.16
186.43	14.97	186.95	16.89	187.47	18.62	187.99	20.19
186.44	15.01	186.96	16.93	187.48	18.65	188.00	20.22
186.45	15.05	186.97	16.96	187.49	18.68	188.01	20.25
186.46	15.09	186.98	17.00	187.50	18.71	188.02	20.28
186.47	15.13	186.99	17.03	187.51	18.74	188.03	20.31
186.48	15.16	187.00	17.07	187.52	18.77	188.04	20.34
186.49	15.20	187.01	17.10	187.53	18.81	188.05	20.37
186.50	15.24	187.02	17.14	187.54	18.84	188.06	20.40
186.51	15.28	187.03	17.17	187.55	18.87	188.07	20.42
186.52	15.32	187.04	17.20	187.56	18.90	188.08	20.45
186.53	15.36	187.05	17.24	187.57	18.93	188.09	20.48
186.54	15.40	187.06	17.27	187.58	18.96	188.10	20.51
186.55	15.43	187.07	17.31	187.59	18.99	188.11	20.54
186.56	15.47	187.08	17.34	187.60	19.02	188.12	20.57
186.57	15.51	187.09	17.37	187.61	19.05	188.13	20.60
186.58	15.55	187.10	17.41	187.62	19.08	188.14	20.62
186.59	15.59	187.11	17.44	187.63	19.12	188.15	20.65

Stage-Discharge for Pond B-51: Basin #51 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
188.16	20.68	188.68	22.11	189.20	25.79	189.72	52.99
188.17	20.71	188.69	22.14	189.21	25.99	189.73	54.24
188.18	20.74	188.70	22.16	189.22	26.20	189.74	55.52
188.19	20.77	188.71	22.19	189.23	26.41	189.75	56.83
188.20	20.79	188.72	22.22	189.24	26.63	189.76	58.17
188.21	20.82	188.73	22.24	189.25	26.85	189.77	59.54
188.22	20.85	188.74	22.27	189.26	27.07	189.78	60.93
188.23	20.88	188.75	22.29	189.27	27.30	189.79	62.35
188.24	20.91	188.76	22.32	189.28	27.53	189.80	63.80
188.25	20.94	188.77	22.35	189.29	27.76	189.81	65.27
188.26	20.96	188.78	22.37	189.30	28.00	189.82	66.77
188.27	20.99	188.79	22.40	189.31	28.24	189.83	68.29
188.28	21.02	188.80	22.43	189.32	28.48	189.84	69.84
188.29	21.05	188.81	22.45	189.33	28.73	189.85	71.42
188.30	21.08	188.82	22.48	189.34	28.99	189.86	73.03
188.31	21.10	188.83	22.50	189.35	29.24	189.87	74.66
188.32	21.13	188.84	22.53	189.36	29.50	189.88	76.32
188.33	21.16	188.85	22.56	189.37	29.76	189.89	78.00
188.34	21.19	188.86	22.58	189.38	30.03	189.90	79.71
188.35	21.21	188.87	22.61	189.39	30.29	189.91	81.47
188.36	21.24	188.88	22.63	189.40	30.56	189.92	83.26
188.37	21.27	188.89	22.66	189.41	30.84	189.93	85.08
188.38	21.30	188.90	22.69	189.42	31.12	189.94	86.93
188.39	21.33	188.91	22.71	189.43	31.40	189.95	88.80
188.40	21.35	188.92	22.74	189.44	31.68	189.96	90.70
188.41	21.38	188.93	22.76	189.45	31.97	189.97	92.64
188.42	21.41	188.94	22.79	189.46	32.25	189.98	94.60
188.43	21.44	188.95	22.82	189.47	32.55	189.99	96.58
188.44	21.46	188.96	22.84	189.48	32.84	190.00	**98.58**
188.45	21.49	188.97	22.87	189.49	33.14		
188.46	21.52	188.98	22.89	189.50	33.44		
188.47	21.54	188.99	22.92	189.51	33.86		
188.48	21.57	189.00	22.94	189.52	34.38		
188.49	21.60	189.01	23.00	189.53	34.97		
188.50	21.63	189.02	23.07	189.54	35.61		
188.51	21.65	189.03	23.16	189.55	36.29		
188.52	21.68	189.04	23.26	189.56	37.02		
188.53	21.71	189.05	23.36	189.57	37.79		
188.54	21.73	189.06	23.48	189.58	38.60		
188.55	21.76	189.07	23.61	189.59	39.44		
188.56	21.79	189.08	23.74	189.60	40.31		
188.57	21.82	189.09	23.88	189.61	41.21		
188.58	21.84	189.10	24.03	189.62	42.14		
188.59	21.87	189.11	24.18	189.63	43.10		
188.60	21.90	189.12	24.34	189.64	44.09		
188.61	21.92	189.13	24.50	189.65	45.11		
188.62	21.95	189.14	24.67	189.66	46.15		
188.63	21.98	189.15	24.84	189.67	47.21		
188.64	22.00	189.16	25.02	189.68	48.30		
188.65	22.03	189.17	25.21	189.69	49.42		
188.66	22.06	189.18	25.40	189.70	50.56		
188.67	22.08	189.19	25.59	189.71	51.76		

Stage-Area-Storage for Pond B-51: Basin #51

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
184.00	**16,548**	0	184.52	16,548	8,605
184.01	16,548	165	184.53	16,548	8,770
184.02	16,548	331	184.54	16,548	8,936
184.03	16,548	496	184.55	16,548	9,101
184.04	16,548	662	184.56	16,548	9,267
184.05	16,548	827	184.57	16,548	9,432
184.06	16,548	993	184.58	16,548	9,598
184.07	16,548	1,158	184.59	16,548	9,763
184.08	16,548	1,324	184.60	16,548	9,929
184.09	16,548	1,489	184.61	16,548	10,094
184.10	16,548	1,655	184.62	16,548	10,260
184.11	16,548	1,820	184.63	16,548	10,425
184.12	16,548	1,986	184.64	16,548	10,591
184.13	16,548	2,151	184.65	16,548	10,756
184.14	16,548	2,317	184.66	16,548	10,922
184.15	16,548	2,482	184.67	16,548	11,087
184.16	16,548	2,648	184.68	16,548	11,253
184.17	16,548	2,813	184.69	16,548	11,418
184.18	16,548	2,979	184.70	16,548	11,584
184.19	16,548	3,144	184.71	16,548	11,749
184.20	16,548	3,310	184.72	16,548	11,915
184.21	16,548	3,475	184.73	16,548	12,080
184.22	16,548	3,641	184.74	16,548	12,246
184.23	16,548	3,806	184.75	16,548	12,411
184.24	16,548	3,972	184.76	16,548	12,576
184.25	16,548	4,137	184.77	16,548	12,742
184.26	16,548	4,302	184.78	16,548	12,907
184.27	16,548	4,468	184.79	16,548	13,073
184.28	16,548	4,633	184.80	16,548	13,238
184.29	16,548	4,799	184.81	16,548	13,404
184.30	16,548	4,964	184.82	16,548	13,569
184.31	16,548	5,130	184.83	16,548	13,735
184.32	16,548	5,295	184.84	16,548	13,900
184.33	16,548	5,461	184.85	16,548	14,066
184.34	16,548	5,626	184.86	16,548	14,231
184.35	16,548	5,792	184.87	16,548	14,397
184.36	16,548	5,957	184.88	16,548	14,562
184.37	16,548	6,123	184.89	16,548	14,728
184.38	16,548	6,288	184.90	16,548	14,893
184.39	16,548	6,454	184.91	16,548	15,059
184.40	16,548	6,619	184.92	16,548	15,224
184.41	16,548	6,785	184.93	16,548	15,390
184.42	16,548	6,950	184.94	16,548	15,555
184.43	16,548	7,116	184.95	16,548	15,721
184.44	16,548	7,281	184.96	16,548	15,886
184.45	16,548	7,447	184.97	16,548	16,052
184.46	16,548	7,612	184.98	16,548	16,217
184.47	16,548	7,778	184.99	16,548	16,383
184.48	16,548	7,943	185.00	16,548	16,548
184.49	16,548	8,109	185.01	16,548	16,713
184.50	16,548	8,274	185.02	16,548	16,879
184.51	16,548	8,439	185.03	16,548	17,044

Stage-Area-Storage for Pond B-51: Basin #51 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
185.04	16,548	17,210	185.56	16,548	25,815
185.05	16,548	17,375	185.57	16,548	25,980
185.06	16,548	17,541	185.58	16,548	26,146
185.07	16,548	17,706	185.59	16,548	26,311
185.08	16,548	17,872	185.60	16,548	26,477
185.09	16,548	18,037	185.61	16,548	26,642
185.10	16,548	18,203	185.62	16,548	26,808
185.11	16,548	18,368	185.63	16,548	26,973
185.12	16,548	18,534	185.64	16,548	27,139
185.13	16,548	18,699	185.65	16,548	27,304
185.14	16,548	18,865	185.66	16,548	27,470
185.15	16,548	19,030	185.67	16,548	27,635
185.16	16,548	19,196	185.68	16,548	27,801
185.17	16,548	19,361	185.69	16,548	27,966
185.18	16,548	19,527	185.70	16,548	28,132
185.19	16,548	19,692	185.71	16,548	28,297
185.20	16,548	19,858	185.72	16,548	28,463
185.21	16,548	20,023	185.73	16,548	28,628
185.22	16,548	20,189	185.74	16,548	28,794
185.23	16,548	20,354	185.75	16,548	28,959
185.24	16,548	20,520	185.76	16,548	29,124
185.25	16,548	20,685	185.77	16,548	29,290
185.26	16,548	20,850	185.78	16,548	29,455
185.27	16,548	21,016	185.79	16,548	29,621
185.28	16,548	21,181	185.80	16,548	29,786
185.29	16,548	21,347	185.81	16,548	29,952
185.30	16,548	21,512	185.82	16,548	30,117
185.31	16,548	21,678	185.83	16,548	30,283
185.32	16,548	21,843	185.84	16,548	30,448
185.33	16,548	22,009	185.85	16,548	30,614
185.34	16,548	22,174	185.86	16,548	30,779
185.35	16,548	22,340	185.87	16,548	30,945
185.36	16,548	22,505	185.88	16,548	31,110
185.37	16,548	22,671	185.89	16,548	31,276
185.38	16,548	22,836	185.90	16,548	31,441
185.39	16,548	23,002	185.91	16,548	31,607
185.40	16,548	23,167	185.92	16,548	31,772
185.41	16,548	23,333	185.93	16,548	31,938
185.42	16,548	23,498	185.94	16,548	32,103
185.43	16,548	23,664	185.95	16,548	32,269
185.44	16,548	23,829	185.96	16,548	32,434
185.45	16,548	23,995	185.97	16,548	32,600
185.46	16,548	24,160	185.98	16,548	32,765
185.47	16,548	24,326	185.99	16,548	32,931
185.48	16,548	24,491	186.00	16,548	33,096
185.49	16,548	24,657	186.01	16,548	33,261
185.50	16,548	24,822	186.02	16,548	33,427
185.51	16,548	24,987	186.03	16,548	33,592
185.52	16,548	25,153	186.04	16,548	33,758
185.53	16,548	25,318	186.05	16,548	33,923
185.54	16,548	25,484	186.06	16,548	34,089
185.55	16,548	25,649	186.07	16,548	34,254

Stage-Area-Storage for Pond B-51: Basin #51 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
186.08	16,548	34,420	186.60	16,548	43,025
186.09	16,548	34,585	186.61	16,548	43,190
186.10	16,548	34,751	186.62	16,548	43,356
186.11	16,548	34,916	186.63	16,548	43,521
186.12	16,548	35,082	186.64	16,548	43,687
186.13	16,548	35,247	186.65	16,548	43,852
186.14	16,548	35,413	186.66	16,548	44,018
186.15	16,548	35,578	186.67	16,548	44,183
186.16	16,548	35,744	186.68	16,548	44,349
186.17	16,548	35,909	186.69	16,548	44,514
186.18	16,548	36,075	186.70	16,548	44,680
186.19	16,548	36,240	186.71	16,548	44,845
186.20	16,548	36,406	186.72	16,548	45,011
186.21	16,548	36,571	186.73	16,548	45,176
186.22	16,548	36,737	186.74	16,548	45,342
186.23	16,548	36,902	186.75	16,548	45,507
186.24	16,548	37,068	186.76	16,548	45,672
186.25	16,548	37,233	186.77	16,548	45,838
186.26	16,548	37,398	186.78	16,548	46,003
186.27	16,548	37,564	186.79	16,548	46,169
186.28	16,548	37,729	186.80	16,548	46,334
186.29	16,548	37,895	186.81	16,548	46,500
186.30	16,548	38,060	186.82	16,548	46,665
186.31	16,548	38,226	186.83	16,548	46,831
186.32	16,548	38,391	186.84	16,548	46,996
186.33	16,548	38,557	186.85	16,548	47,162
186.34	16,548	38,722	186.86	16,548	47,327
186.35	16,548	38,888	186.87	16,548	47,493
186.36	16,548	39,053	186.88	16,548	47,658
186.37	16,548	39,219	186.89	16,548	47,824
186.38	16,548	39,384	186.90	16,548	47,989
186.39	16,548	39,550	186.91	16,548	48,155
186.40	16,548	39,715	186.92	16,548	48,320
186.41	16,548	39,881	186.93	16,548	48,486
186.42	16,548	40,046	186.94	16,548	48,651
186.43	16,548	40,212	186.95	16,548	48,817
186.44	16,548	40,377	186.96	16,548	48,982
186.45	16,548	40,543	186.97	16,548	49,148
186.46	16,548	40,708	186.98	16,548	49,313
186.47	16,548	40,874	186.99	16,548	49,479
186.48	16,548	41,039	187.00	16,548	49,644
186.49	16,548	41,205	187.01	16,548	49,809
186.50	16,548	41,370	187.02	16,548	49,975
186.51	16,548	41,535	187.03	16,548	50,140
186.52	16,548	41,701	187.04	16,548	50,306
186.53	16,548	41,866	187.05	16,548	50,471
186.54	16,548	42,032	187.06	16,548	50,637
186.55	16,548	42,197	187.07	16,548	50,802
186.56	16,548	42,363	187.08	16,548	50,968
186.57	16,548	42,528	187.09	16,548	51,133
186.58	16,548	42,694	187.10	16,548	51,299
186.59	16,548	42,859	187.11	16,548	51,464

Stage-Area-Storage for Pond B-51: Basin #51 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
187.12	16,548	51,630	187.64	16,548	60,235
187.13	16,548	51,795	187.65	16,548	60,400
187.14	16,548	51,961	187.66	16,548	60,566
187.15	16,548	52,126	187.67	16,548	60,731
187.16	16,548	52,292	187.68	16,548	60,897
187.17	16,548	52,457	187.69	16,548	61,062
187.18	16,548	52,623	187.70	16,548	61,228
187.19	16,548	52,788	187.71	16,548	61,393
187.20	16,548	52,954	187.72	16,548	61,559
187.21	16,548	53,119	187.73	16,548	61,724
187.22	16,548	53,285	187.74	16,548	61,890
187.23	16,548	53,450	187.75	16,548	62,055
187.24	16,548	53,616	187.76	16,548	62,220
187.25	16,548	53,781	187.77	16,548	62,386
187.26	16,548	53,946	187.78	16,548	62,551
187.27	16,548	54,112	187.79	16,548	62,717
187.28	16,548	54,277	187.80	16,548	62,882
187.29	16,548	54,443	187.81	16,548	63,048
187.30	16,548	54,608	187.82	16,548	63,213
187.31	16,548	54,774	187.83	16,548	63,379
187.32	16,548	54,939	187.84	16,548	63,544
187.33	16,548	55,105	187.85	16,548	63,710
187.34	16,548	55,270	187.86	16,548	63,875
187.35	16,548	55,436	187.87	16,548	64,041
187.36	16,548	55,601	187.88	16,548	64,206
187.37	16,548	55,767	187.89	16,548	64,372
187.38	16,548	55,932	187.90	16,548	64,537
187.39	16,548	56,098	187.91	16,548	64,703
187.40	16,548	56,263	187.92	16,548	64,868
187.41	16,548	56,429	187.93	16,548	65,034
187.42	16,548	56,594	187.94	16,548	65,199
187.43	16,548	56,760	187.95	16,548	65,365
187.44	16,548	56,925	187.96	16,548	65,530
187.45	16,548	57,091	187.97	16,548	65,696
187.46	16,548	57,256	187.98	16,548	65,861
187.47	16,548	57,422	187.99	16,548	66,027
187.48	16,548	57,587	188.00	16,548	66,192
187.49	16,548	57,753	188.01	16,548	66,357
187.50	16,548	57,918	188.02	16,548	66,523
187.51	16,548	58,083	188.03	16,548	66,688
187.52	16,548	58,249	188.04	16,548	66,854
187.53	16,548	58,414	188.05	16,548	67,019
187.54	16,548	58,580	188.06	16,548	67,185
187.55	16,548	58,745	188.07	16,548	67,350
187.56	16,548	58,911	188.08	16,548	67,516
187.57	16,548	59,076	188.09	16,548	67,681
187.58	16,548	59,242	188.10	16,548	67,847
187.59	16,548	59,407	188.11	16,548	68,012
187.60	16,548	59,573	188.12	16,548	68,178
187.61	16,548	59,738	188.13	16,548	68,343
187.62	16,548	59,904	188.14	16,548	68,509
187.63	16,548	60,069	188.15	16,548	68,674

Stage-Area-Storage for Pond B-51: Basin #51 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
188.16	16,548	68,840	188.68	16,548	77,445
188.17	16,548	69,005	188.69	16,548	77,610
188.18	16,548	69,171	188.70	16,548	77,776
188.19	16,548	69,336	188.71	16,548	77,941
188.20	16,548	69,502	188.72	16,548	78,107
188.21	16,548	69,667	188.73	16,548	78,272
188.22	16,548	69,833	188.74	16,548	78,438
188.23	16,548	69,998	188.75	16,548	78,603
188.24	16,548	70,164	188.76	16,548	78,768
188.25	16,548	70,329	188.77	16,548	78,934
188.26	16,548	70,494	188.78	16,548	79,099
188.27	16,548	70,660	188.79	16,548	79,265
188.28	16,548	70,825	188.80	16,548	79,430
188.29	16,548	70,991	188.81	16,548	79,596
188.30	16,548	71,156	188.82	16,548	79,761
188.31	16,548	71,322	188.83	16,548	79,927
188.32	16,548	71,487	188.84	16,548	80,092
188.33	16,548	71,653	188.85	16,548	80,258
188.34	16,548	71,818	188.86	16,548	80,423
188.35	16,548	71,984	188.87	16,548	80,589
188.36	16,548	72,149	188.88	16,548	80,754
188.37	16,548	72,315	188.89	16,548	80,920
188.38	16,548	72,480	188.90	16,548	81,085
188.39	16,548	72,646	188.91	16,548	81,251
188.40	16,548	72,811	188.92	16,548	81,416
188.41	16,548	72,977	188.93	16,548	81,582
188.42	16,548	73,142	188.94	16,548	81,747
188.43	16,548	73,308	188.95	16,548	81,913
188.44	16,548	73,473	188.96	16,548	82,078
188.45	16,548	73,639	188.97	16,548	82,244
188.46	16,548	73,804	188.98	16,548	82,409
188.47	16,548	73,970	188.99	16,548	82,575
188.48	16,548	74,135	189.00	16,548	82,740
188.49	16,548	74,301	189.01	16,548	82,905
188.50	16,548	74,466	189.02	16,548	83,071
188.51	16,548	74,631	189.03	16,548	83,236
188.52	16,548	74,797	189.04	16,548	83,402
188.53	16,548	74,962	189.05	16,548	83,567
188.54	16,548	75,128	189.06	16,548	83,733
188.55	16,548	75,293	189.07	16,548	83,898
188.56	16,548	75,459	189.08	16,548	84,064
188.57	16,548	75,624	189.09	16,548	84,229
188.58	16,548	75,790	189.10	16,548	84,395
188.59	16,548	75,955	189.11	16,548	84,560
188.60	16,548	76,121	189.12	16,548	84,726
188.61	16,548	76,286	189.13	16,548	84,891
188.62	16,548	76,452	189.14	16,548	85,057
188.63	16,548	76,617	189.15	16,548	85,222
188.64	16,548	76,783	189.16	16,548	85,388
188.65	16,548	76,948	189.17	16,548	85,553
188.66	16,548	77,114	189.18	16,548	85,719
188.67	16,548	77,279	189.19	16,548	85,884

Stage-Area-Storage for Pond B-51: Basin #51 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
189.20	16,548	86,050
189.21	16,548	86,215
189.22	16,548	86,381
189.23	16,548	86,546
189.24	16,548	86,712
189.25	16,548	86,877
189.26	16,548	87,042
189.27	16,548	87,208
189.28	16,548	87,373
189.29	16,548	87,539
189.30	16,548	87,704
189.31	16,548	87,870
189.32	16,548	88,035
189.33	16,548	88,201
189.34	16,548	88,366
189.35	16,548	88,532
189.36	16,548	88,697
189.37	16,548	88,863
189.38	16,548	89,028
189.39	16,548	89,194
189.40	16,548	89,359
189.41	16,548	89,525
189.42	16,548	89,690
189.43	16,548	89,856
189.44	16,548	90,021
189.45	16,548	90,187
189.46	16,548	90,352
189.47	16,548	90,518
189.48	16,548	90,683
189.49	16,548	90,849
189.50	16,548	91,014
189.51	16,548	91,179
189.52	16,548	91,345
189.53	16,548	91,510
189.54	16,548	91,676
189.55	16,548	91,841
189.56	16,548	92,007
189.57	16,548	92,172
189.58	16,548	92,338
189.59	16,548	92,503
189.60	16,548	92,669
189.61	16,548	92,834
189.62	16,548	93,000
189.63	16,548	93,165
189.64	16,548	93,331
189.65	16,548	93,496
189.66	16,548	93,662
189.67	16,548	93,827
189.68	16,548	93,993
189.69	16,548	94,158
189.70	16,548	94,324
189.71	16,548	94,489
189.72	16,548	94,655
189.73	16,548	94,820
189.74	16,548	94,986
189.75	16,548	95,151
189.76	16,548	95,316
189.77	16,548	95,482
189.78	16,548	95,647
189.79	16,548	95,813
189.80	16,548	95,978
189.81	16,548	96,144
189.82	16,548	96,309
189.83	16,548	96,475
189.84	16,548	96,640
189.85	16,548	96,806
189.86	16,548	96,971
189.87	16,548	97,137
189.88	16,548	97,302
189.89	16,548	97,468
189.90	16,548	97,633
189.91	16,548	97,799
189.92	16,548	97,964
189.93	16,548	98,130
189.94	16,548	98,295
189.95	16,548	98,461
189.96	16,548	98,626
189.97	16,548	98,792
189.98	16,548	98,957
189.99	16,548	99,123
190.00	16,548	**99,288**

Summary for Pond B-52: Basin #52

Inflow Area = 1.423 ac, 34.43% Impervious, Inflow Depth = 3.90" for Future 10 yr event
Inflow = 5.06 cfs @ 12.09 hrs, Volume= 0.463 af
Outflow = 4.26 cfs @ 12.15 hrs, Volume= 0.414 af, Atten= 16%, Lag= 3.9 min
Primary = 4.26 cfs @ 12.15 hrs, Volume= 0.414 af
Routed to Pond B-51 : Basin #51

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 196.81' @ 12.15 hrs Surf.Area= 2,676 sf Storage= 5,756 cf

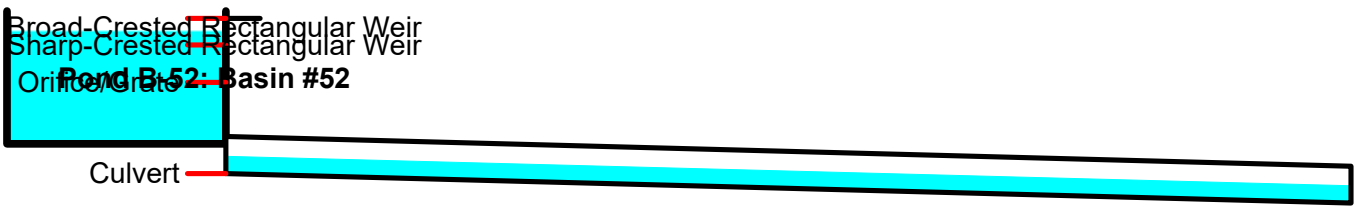
Plug-Flow detention time= 190.3 min calculated for 0.414 af (89% of inflow)
Center-of-Mass det. time= 137.7 min (929.6 - 791.9)

Volume	Invert	Avail.Storage	Storage Description
#1	193.00'	7,751 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

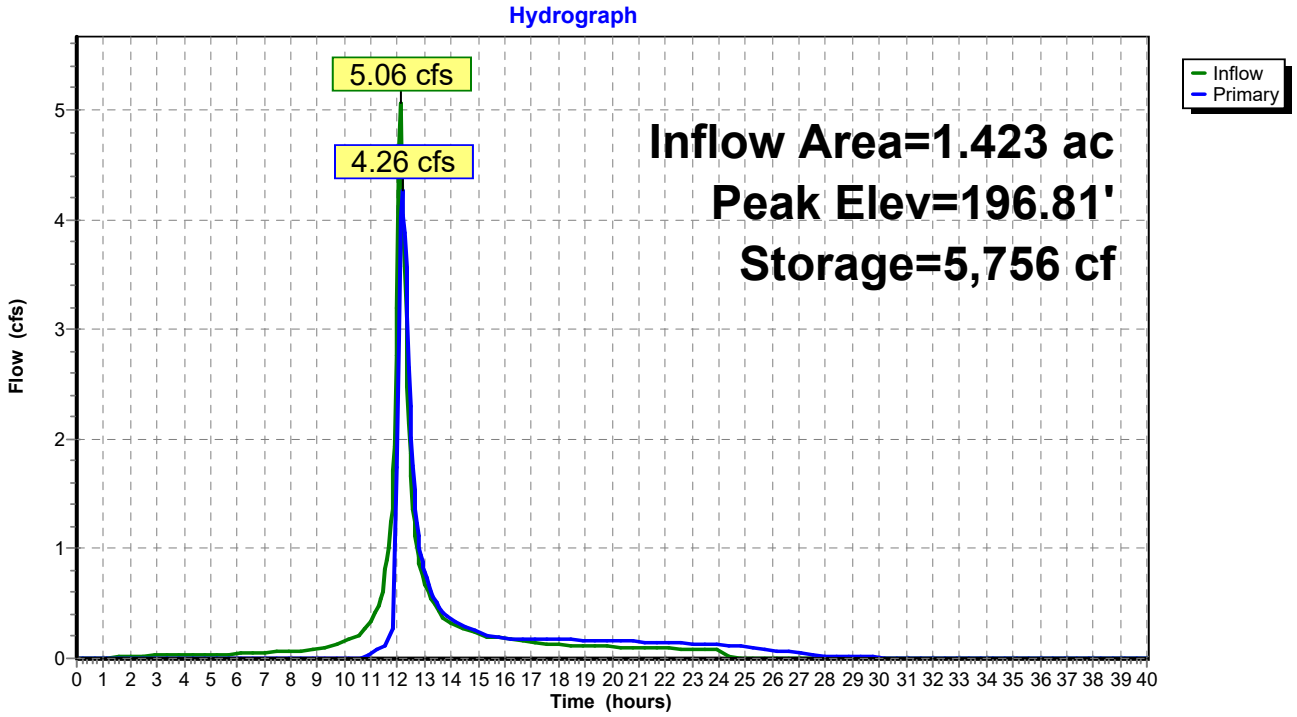
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
193.00	474	0	0
194.00	970	722	722
195.00	1,523	1,247	1,969
196.00	2,133	1,828	3,797
197.00	2,799	2,466	6,263
197.50	3,154	1,488	7,751

Device	Routing	Invert	Outlet Devices
#1	Primary	192.00'	**15.0" Round Culvert** L= 163.0' Ke= 0.500 Inlet / Outlet Invert= 192.00' / 191.00' S= 0.0061 '/' Cc= 0.900 n= 0.013, Flow Area= 1.23 sf
#2	Device 1	195.08'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	196.35'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	197.25'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=4.25 cfs @ 12.15 hrs HW=196.81' (Free Discharge)
- **1=Culvert** (Passes 4.25 cfs of 9.14 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.21 cfs @ 6.15 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 4.04 cfs @ 2.23 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-52: Basin #52



Hydrograph for Pond B-52: Basin #52

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	193.00	0.00
0.10	0.00	0	193.00	0.00
0.20	0.00	0	193.00	0.00
0.30	0.00	0	193.00	0.00
0.40	0.00	0	193.00	0.00
0.50	0.00	0	193.00	0.00
0.60	0.00	0	193.00	0.00
0.70	0.00	0	193.00	0.00
0.80	0.00	1	193.00	0.00
0.90	0.00	2	193.00	0.00
1.00	0.01	4	193.01	0.00
1.10	0.01	6	193.01	0.00
1.20	0.01	9	193.02	0.00
1.30	0.01	12	193.03	0.00
1.40	0.01	16	193.03	0.00
1.50	0.01	20	193.04	0.00
1.60	0.01	25	193.05	0.00
1.70	0.01	30	193.06	0.00
1.80	0.02	36	193.07	0.00
1.90	0.02	42	193.08	0.00
2.00	0.02	48	193.10	0.00
2.10	0.02	55	193.11	0.00
2.20	0.02	62	193.12	0.00
2.30	0.02	69	193.14	0.00
2.40	0.02	77	193.15	0.00
2.50	0.02	84	193.16	0.00
2.60	0.02	93	193.18	0.00
2.70	0.02	101	193.19	0.00
2.80	0.02	110	193.21	0.00
2.90	0.03	119	193.22	0.00
3.00	0.03	128	193.24	0.00
3.10	0.03	137	193.26	0.00
3.20	0.03	147	193.27	0.00
3.30	0.03	157	193.29	0.00
3.40	0.03	167	193.30	0.00
3.50	0.03	178	193.32	0.00
3.60	0.03	188	193.34	0.00
3.70	0.03	199	193.35	0.00
3.80	0.03	210	193.37	0.00
3.90	0.03	222	193.39	0.00
4.00	0.03	233	193.41	0.00
4.10	0.03	245	193.42	0.00
4.20	0.03	256	193.44	0.00
4.30	0.03	269	193.46	0.00
4.40	0.03	281	193.47	0.00
4.50	0.03	293	193.49	0.00
4.60	0.04	306	193.51	0.00
4.70	0.04	318	193.53	0.00
4.80	0.04	331	193.54	0.00
4.90	0.04	344	193.56	0.00
5.00	0.04	358	193.58	0.00
5.10	0.04	371	193.60	0.00

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.04	385	193.61	0.00
5.30	0.04	398	193.63	0.00
5.40	0.04	412	193.65	0.00
5.50	0.04	426	193.67	0.00
5.60	0.04	440	193.68	0.00
5.70	0.04	455	193.70	0.00
5.80	0.04	469	193.72	0.00
5.90	0.04	484	193.74	0.00
6.00	0.04	499	193.75	0.00
6.10	0.04	514	193.77	0.00
6.20	0.04	529	193.79	0.00
6.30	0.04	545	193.81	0.00
6.40	0.05	562	193.83	0.00
6.50	0.05	579	193.85	0.00
6.60	0.05	596	193.87	0.00
6.70	0.05	614	193.88	0.00
6.80	0.05	632	193.90	0.00
6.90	0.05	650	193.92	0.00
7.00	0.05	669	193.95	0.00
7.10	0.05	689	193.97	0.00
7.20	0.06	709	193.99	0.00
7.30	0.06	729	194.01	0.00
7.40	0.06	750	194.03	0.00
7.50	0.06	771	194.05	0.00
7.60	0.06	793	194.07	0.00
7.70	0.06	815	194.09	0.00
7.80	0.06	837	194.11	0.00
7.90	0.06	860	194.14	0.00
8.00	0.07	883	194.16	0.00
8.10	0.07	907	194.18	0.00
8.20	0.07	931	194.20	0.00
8.30	0.07	956	194.23	0.00
8.40	0.07	982	194.25	0.00
8.50	0.07	1,008	194.27	0.00
8.60	0.08	1,035	194.30	0.00
8.70	0.08	1,063	194.32	0.00
8.80	0.08	1,092	194.35	0.00
8.90	0.08	1,122	194.37	0.00
9.00	0.09	1,153	194.40	0.00
9.10	0.09	1,185	194.43	0.00
9.20	0.10	1,220	194.45	0.00
9.30	0.11	1,257	194.48	0.00
9.40	0.11	1,296	194.52	0.00
9.50	0.12	1,338	194.55	0.00
9.60	0.13	1,382	194.58	0.00
9.70	0.13	1,428	194.62	0.00
9.80	0.14	1,477	194.66	0.00
9.90	0.15	1,529	194.69	0.00
10.00	0.15	1,584	194.73	0.00
10.10	0.16	1,641	194.78	0.00
10.20	0.17	1,702	194.82	0.00
10.30	0.18	1,765	194.86	0.00

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.19	1,832	194.91	0.00
10.50	0.20	1,902	194.96	0.00
10.60	0.22	1,978	195.01	0.00
10.70	0.25	2,063	195.06	0.00
10.80	0.27	2,156	195.12	0.00
10.90	0.30	2,257	195.18	0.02
11.00	0.33	2,361	195.25	0.04
11.10	0.38	2,473	195.31	0.06
11.20	0.43	2,596	195.38	0.07
11.30	0.49	2,734	195.46	0.09
11.40	0.55	2,889	195.54	0.10
11.50	0.62	3,061	195.64	0.11
11.60	0.85	3,297	195.76	0.12
11.70	1.01	3,585	195.90	0.14
11.80	1.36	3,969	196.08	0.16
11.90	1.93	4,512	196.32	0.17
12.00	3.20	5,176	196.59	1.74
12.10	**5.01**	**5,708**	**196.80**	**4.03**
12.20	3.99	**5,711**	**196.80**	**4.05**
12.30	3.09	5,607	196.76	3.56
12.40	2.13	5,404	196.68	2.65
12.50	1.66	5,247	196.62	2.01
12.60	1.25	5,120	196.57	1.53
12.70	1.02	5,034	196.54	1.23
12.80	0.87	4,968	196.51	1.01
12.90	0.77	4,923	196.49	0.88
13.00	0.70	4,888	196.48	0.78
13.10	0.62	4,860	196.46	0.69
13.20	0.56	4,834	196.45	0.63
13.30	0.52	4,812	196.44	0.57
13.40	0.47	4,792	196.44	0.52
13.50	0.43	4,774	196.43	0.48
13.60	0.39	4,757	196.42	0.44
13.70	0.37	4,742	196.42	0.41
13.80	0.35	4,729	196.41	0.38
13.90	0.34	4,718	196.41	0.36
14.00	0.33	4,709	196.40	0.35
14.10	0.32	4,702	196.40	0.34
14.20	0.31	4,695	196.40	0.32
14.30	0.30	4,689	196.39	0.31
14.40	0.29	4,683	196.39	0.30
14.50	0.27	4,677	196.39	0.29
14.60	0.26	4,671	196.39	0.28
14.70	0.25	4,665	196.38	0.27
14.80	0.24	4,659	196.38	0.26
14.90	0.23	4,653	196.38	0.25
15.00	0.22	4,647	196.38	0.24
15.10	0.21	4,641	196.37	0.23
15.20	0.20	4,635	196.37	0.22
15.30	0.20	4,628	196.37	0.22
15.40	0.20	4,622	196.37	0.21
15.50	0.19	4,617	196.36	0.21

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.19	4,612	196.36	0.20
15.70	0.19	4,608	196.36	0.20
15.80	0.19	4,604	196.36	0.20
15.90	0.18	4,601	196.36	0.19
16.00	0.18	4,597	196.36	0.19
16.10	0.18	4,594	196.35	0.19
16.20	0.17	4,590	196.35	0.18
16.30	0.17	4,587	196.35	0.18
16.40	0.17	4,584	196.35	0.18
16.50	0.17	4,580	196.35	0.18
16.60	0.16	4,576	196.35	0.18
16.70	0.16	4,570	196.34	0.18
16.80	0.16	4,563	196.34	0.18
16.90	0.15	4,556	196.34	0.18
17.00	0.15	4,548	196.33	0.18
17.10	0.15	4,538	196.33	0.18
17.20	0.15	4,528	196.33	0.18
17.30	0.14	4,517	196.32	0.18
17.40	0.14	4,505	196.32	0.17
17.50	0.14	4,492	196.31	0.17
17.60	0.13	4,479	196.31	0.17
17.70	0.13	4,464	196.30	0.17
17.80	0.13	4,449	196.29	0.17
17.90	0.13	4,432	196.29	0.17
18.00	0.12	4,415	196.28	0.17
18.10	0.12	4,397	196.27	0.17
18.20	0.12	4,379	196.26	0.17
18.30	0.12	4,360	196.25	0.17
18.40	0.12	4,341	196.25	0.17
18.50	0.12	4,322	196.24	0.17
18.60	0.11	4,303	196.23	0.17
18.70	0.11	4,284	196.22	0.17
18.80	0.11	4,265	196.21	0.17
18.90	0.11	4,246	196.20	0.17
19.00	0.11	4,227	196.20	0.17
19.10	0.11	4,208	196.19	0.16
19.20	0.11	4,189	196.18	0.16
19.30	0.11	4,170	196.17	0.16
19.40	0.11	4,151	196.16	0.16
19.50	0.11	4,131	196.15	0.16
19.60	0.11	4,112	196.14	0.16
19.70	0.11	4,093	196.14	0.16
19.80	0.11	4,074	196.13	0.16
19.90	0.11	4,055	196.12	0.16
20.00	0.11	4,036	196.11	0.16
20.10	0.10	4,017	196.10	0.16
20.20	0.10	3,998	196.09	0.16
20.30	0.10	3,979	196.08	0.16
20.40	0.10	3,960	196.08	0.15
20.50	0.10	3,941	196.07	0.15
20.60	0.10	3,923	196.06	0.15
20.70	0.10	3,904	196.05	0.15

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.10	3,885	196.04	0.15
20.90	0.10	3,866	196.03	0.15
21.00	0.10	3,847	196.02	0.15
21.10	0.10	3,828	196.01	0.15
21.20	0.10	3,809	196.01	0.15
21.30	0.10	3,791	196.00	0.15
21.40	0.10	3,772	195.99	0.15
21.50	0.09	3,753	195.98	0.15
21.60	0.09	3,735	195.97	0.15
21.70	0.09	3,716	195.96	0.14
21.80	0.09	3,697	195.95	0.14
21.90	0.09	3,679	195.94	0.14
22.00	0.09	3,660	195.94	0.14
22.10	0.09	3,642	195.93	0.14
22.20	0.09	3,624	195.92	0.14
22.30	0.09	3,605	195.91	0.14
22.40	0.09	3,587	195.90	0.14
22.50	0.09	3,569	195.89	0.14
22.60	0.09	3,550	195.88	0.14
22.70	0.09	3,532	195.87	0.14
22.80	0.09	3,514	195.87	0.14
22.90	0.08	3,496	195.86	0.13
23.00	0.08	3,478	195.85	0.13
23.10	0.08	3,460	195.84	0.13
23.20	0.08	3,442	195.83	0.13
23.30	0.08	3,425	195.82	0.13
23.40	0.08	3,407	195.81	0.13
23.50	0.08	3,389	195.80	0.13
23.60	0.08	3,372	195.79	0.13
23.70	0.08	3,354	195.79	0.13
23.80	0.08	3,337	195.78	0.13
23.90	0.08	3,319	195.77	0.13
24.00	0.08	3,304	195.76	0.12
24.10	0.05	3,280	195.75	0.12
24.20	0.02	3,249	195.73	0.12
24.30	0.01	3,210	195.71	0.12
24.40	0.00	3,170	195.69	0.12
24.50	0.00	3,128	195.67	0.11
24.60	0.00	3,088	195.65	0.11
24.70	0.00	3,048	195.63	0.11
24.80	0.00	3,009	195.61	0.11
24.90	0.00	2,971	195.59	0.10
25.00	0.00	2,934	195.57	0.10
25.10	0.00	2,898	195.55	0.10
25.20	0.00	2,862	195.53	0.10
25.30	0.00	2,828	195.51	0.09
25.40	0.00	2,795	195.49	0.09
25.50	0.00	2,762	195.48	0.09
25.60	0.00	2,731	195.46	0.09
25.70	0.00	2,701	195.44	0.08
25.80	0.00	2,671	195.43	0.08
25.90	0.00	2,643	195.41	0.08

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	2,615	195.39	0.08
26.10	0.00	2,589	195.38	0.07
26.20	0.00	2,563	195.36	0.07
26.30	0.00	2,539	195.35	0.07
26.40	0.00	2,515	195.34	0.06
26.50	0.00	2,493	195.32	0.06
26.60	0.00	2,471	195.31	0.06
26.70	0.00	2,451	195.30	0.06
26.80	0.00	2,431	195.29	0.05
26.90	0.00	2,413	195.28	0.05
27.00	0.00	2,396	195.27	0.05
27.10	0.00	2,379	195.26	0.04
27.20	0.00	2,364	195.25	0.04
27.30	0.00	2,350	195.24	0.04
27.40	0.00	2,337	195.23	0.04
27.50	0.00	2,325	195.22	0.03
27.60	0.00	2,314	195.22	0.03
27.70	0.00	2,303	195.21	0.03
27.80	0.00	2,294	195.20	0.03
27.90	0.00	2,285	195.20	0.02
28.00	0.00	2,276	195.19	0.02
28.10	0.00	2,268	195.19	0.02
28.20	0.00	2,261	195.19	0.02
28.30	0.00	2,254	195.18	0.02
28.40	0.00	2,248	195.18	0.02
28.50	0.00	2,242	195.17	0.02
28.60	0.00	2,237	195.17	0.01
28.70	0.00	2,231	195.17	0.01
28.80	0.00	2,227	195.16	0.01
28.90	0.00	2,222	195.16	0.01
29.00	0.00	2,218	195.16	0.01
29.10	0.00	2,214	195.16	0.01
29.20	0.00	2,210	195.15	0.01
29.30	0.00	2,207	195.15	0.01
29.40	0.00	2,203	195.15	0.01
29.50	0.00	2,200	195.15	0.01
29.60	0.00	2,197	195.15	0.01
29.70	0.00	2,194	195.14	0.01
29.80	0.00	2,191	195.14	0.01
29.90	0.00	2,188	195.14	0.01
30.00	0.00	2,185	195.14	0.01
30.10	0.00	2,183	195.14	0.01
30.20	0.00	2,180	195.14	0.01
30.30	0.00	2,178	195.13	0.01
30.40	0.00	2,176	195.13	0.01
30.50	0.00	2,174	195.13	0.01
30.60	0.00	2,172	195.13	0.01
30.70	0.00	2,170	195.13	0.01
30.80	0.00	2,168	195.13	0.00
30.90	0.00	2,166	195.13	0.00
31.00	0.00	2,164	195.13	0.00
31.10	0.00	2,163	195.12	0.00

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	2,161	195.12	0.00
31.30	0.00	2,160	195.12	0.00
31.40	0.00	2,158	195.12	0.00
31.50	0.00	2,157	195.12	0.00
31.60	0.00	2,156	195.12	0.00
31.70	0.00	2,155	195.12	0.00
31.80	0.00	2,154	195.12	0.00
31.90	0.00	2,152	195.12	0.00
32.00	0.00	2,151	195.12	0.00
32.10	0.00	2,150	195.12	0.00
32.20	0.00	2,149	195.12	0.00
32.30	0.00	2,148	195.12	0.00
32.40	0.00	2,148	195.11	0.00
32.50	0.00	2,147	195.11	0.00
32.60	0.00	2,146	195.11	0.00
32.70	0.00	2,145	195.11	0.00
32.80	0.00	2,144	195.11	0.00
32.90	0.00	2,143	195.11	0.00
33.00	0.00	2,143	195.11	0.00
33.10	0.00	2,142	195.11	0.00
33.20	0.00	2,141	195.11	0.00
33.30	0.00	2,140	195.11	0.00
33.40	0.00	2,140	195.11	0.00
33.50	0.00	2,139	195.11	0.00
33.60	0.00	2,138	195.11	0.00
33.70	0.00	2,137	195.11	0.00
33.80	0.00	2,137	195.11	0.00
33.90	0.00	2,136	195.11	0.00
34.00	0.00	2,135	195.11	0.00
34.10	0.00	2,135	195.11	0.00
34.20	0.00	2,134	195.11	0.00
34.30	0.00	2,133	195.11	0.00
34.40	0.00	2,133	195.11	0.00
34.50	0.00	2,132	195.11	0.00
34.60	0.00	2,131	195.10	0.00
34.70	0.00	2,131	195.10	0.00
34.80	0.00	2,130	195.10	0.00
34.90	0.00	2,130	195.10	0.00
35.00	0.00	2,129	195.10	0.00
35.10	0.00	2,129	195.10	0.00
35.20	0.00	2,128	195.10	0.00
35.30	0.00	2,127	195.10	0.00
35.40	0.00	2,127	195.10	0.00
35.50	0.00	2,126	195.10	0.00
35.60	0.00	2,126	195.10	0.00
35.70	0.00	2,125	195.10	0.00
35.80	0.00	2,125	195.10	0.00
35.90	0.00	2,124	195.10	0.00
36.00	0.00	2,124	195.10	0.00
36.10	0.00	2,123	195.10	0.00
36.20	0.00	2,123	195.10	0.00
36.30	0.00	2,122	195.10	0.00

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	2,122	195.10	0.00
36.50	0.00	2,121	195.10	0.00
36.60	0.00	2,121	195.10	0.00
36.70	0.00	2,121	195.10	0.00
36.80	0.00	2,120	195.10	0.00
36.90	0.00	2,120	195.10	0.00
37.00	0.00	2,119	195.10	0.00
37.10	0.00	2,119	195.10	0.00
37.20	0.00	2,118	195.10	0.00
37.30	0.00	2,118	195.10	0.00
37.40	0.00	2,118	195.10	0.00
37.50	0.00	2,117	195.10	0.00
37.60	0.00	2,117	195.10	0.00
37.70	0.00	2,116	195.10	0.00
37.80	0.00	2,116	195.10	0.00
37.90	0.00	2,116	195.09	0.00
38.00	0.00	2,115	195.09	0.00
38.10	0.00	2,115	195.09	0.00
38.20	0.00	2,115	195.09	0.00
38.30	0.00	2,114	195.09	0.00
38.40	0.00	2,114	195.09	0.00
38.50	0.00	2,114	195.09	0.00
38.60	0.00	2,113	195.09	0.00
38.70	0.00	2,113	195.09	0.00
38.80	0.00	2,113	195.09	0.00
38.90	0.00	2,112	195.09	0.00
39.00	0.00	2,112	195.09	0.00
39.10	0.00	2,112	195.09	0.00
39.20	0.00	2,111	195.09	0.00
39.30	0.00	2,111	195.09	0.00
39.40	0.00	2,111	195.09	0.00
39.50	0.00	2,110	195.09	0.00
39.60	0.00	2,110	195.09	0.00
39.70	0.00	2,110	195.09	0.00
39.80	0.00	2,110	195.09	0.00
39.90	0.00	2,109	195.09	0.00
40.00	0.00	2,109	195.09	0.00

Stage-Discharge for Pond B-52: Basin #52

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
193.00	0.00	193.52	0.00	194.04	0.00	194.56	0.00
193.01	0.00	193.53	0.00	194.05	0.00	194.57	0.00
193.02	0.00	193.54	0.00	194.06	0.00	194.58	0.00
193.03	0.00	193.55	0.00	194.07	0.00	194.59	0.00
193.04	0.00	193.56	0.00	194.08	0.00	194.60	0.00
193.05	0.00	193.57	0.00	194.09	0.00	194.61	0.00
193.06	0.00	193.58	0.00	194.10	0.00	194.62	0.00
193.07	0.00	193.59	0.00	194.11	0.00	194.63	0.00
193.08	0.00	193.60	0.00	194.12	0.00	194.64	0.00
193.09	0.00	193.61	0.00	194.13	0.00	194.65	0.00
193.10	0.00	193.62	0.00	194.14	0.00	194.66	0.00
193.11	0.00	193.63	0.00	194.15	0.00	194.67	0.00
193.12	0.00	193.64	0.00	194.16	0.00	194.68	0.00
193.13	0.00	193.65	0.00	194.17	0.00	194.69	0.00
193.14	0.00	193.66	0.00	194.18	0.00	194.70	0.00
193.15	0.00	193.67	0.00	194.19	0.00	194.71	0.00
193.16	0.00	193.68	0.00	194.20	0.00	194.72	0.00
193.17	0.00	193.69	0.00	194.21	0.00	194.73	0.00
193.18	0.00	193.70	0.00	194.22	0.00	194.74	0.00
193.19	0.00	193.71	0.00	194.23	0.00	194.75	0.00
193.20	0.00	193.72	0.00	194.24	0.00	194.76	0.00
193.21	0.00	193.73	0.00	194.25	0.00	194.77	0.00
193.22	0.00	193.74	0.00	194.26	0.00	194.78	0.00
193.23	0.00	193.75	0.00	194.27	0.00	194.79	0.00
193.24	0.00	193.76	0.00	194.28	0.00	194.80	0.00
193.25	0.00	193.77	0.00	194.29	0.00	194.81	0.00
193.26	0.00	193.78	0.00	194.30	0.00	194.82	0.00
193.27	0.00	193.79	0.00	194.31	0.00	194.83	0.00
193.28	0.00	193.80	0.00	194.32	0.00	194.84	0.00
193.29	0.00	193.81	0.00	194.33	0.00	194.85	0.00
193.30	0.00	193.82	0.00	194.34	0.00	194.86	0.00
193.31	0.00	193.83	0.00	194.35	0.00	194.87	0.00
193.32	0.00	193.84	0.00	194.36	0.00	194.88	0.00
193.33	0.00	193.85	0.00	194.37	0.00	194.89	0.00
193.34	0.00	193.86	0.00	194.38	0.00	194.90	0.00
193.35	0.00	193.87	0.00	194.39	0.00	194.91	0.00
193.36	0.00	193.88	0.00	194.40	0.00	194.92	0.00
193.37	0.00	193.89	0.00	194.41	0.00	194.93	0.00
193.38	0.00	193.90	0.00	194.42	0.00	194.94	0.00
193.39	0.00	193.91	0.00	194.43	0.00	194.95	0.00
193.40	0.00	193.92	0.00	194.44	0.00	194.96	0.00
193.41	0.00	193.93	0.00	194.45	0.00	194.97	0.00
193.42	0.00	193.94	0.00	194.46	0.00	194.98	0.00
193.43	0.00	193.95	0.00	194.47	0.00	194.99	0.00
193.44	0.00	193.96	0.00	194.48	0.00	195.00	0.00
193.45	0.00	193.97	0.00	194.49	0.00	195.01	0.00
193.46	0.00	193.98	0.00	194.50	0.00	195.02	0.00
193.47	0.00	193.99	0.00	194.51	0.00	195.03	0.00
193.48	0.00	194.00	0.00	194.52	0.00	195.04	0.00
193.49	0.00	194.01	0.00	194.53	0.00	195.05	0.00
193.50	0.00	194.02	0.00	194.54	0.00	195.06	0.00
193.51	0.00	194.03	0.00	194.55	0.00	195.07	0.00

Stage-Discharge for Pond B-52: Basin #52 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
195.08	0.00	195.60	0.11	196.12	0.16	196.64	2.21
195.09	0.00	195.61	0.11	196.13	0.16	196.65	2.32
195.10	0.00	195.62	0.11	196.14	0.16	196.66	2.42
195.11	0.00	195.63	0.11	196.15	0.16	196.67	2.53
195.12	0.00	195.64	0.11	196.16	0.16	196.68	2.64
195.13	0.00	195.65	0.11	196.17	0.16	196.69	2.75
195.14	0.01	195.66	0.11	196.18	0.16	196.70	2.86
195.15	0.01	195.67	0.11	196.19	0.16	196.71	2.98
195.16	0.01	195.68	0.12	196.20	0.17	196.72	3.09
195.17	0.01	195.69	0.12	196.21	0.17	196.73	3.21
195.18	0.02	195.70	0.12	196.22	0.17	196.74	3.33
195.19	0.02	195.71	0.12	196.23	0.17	196.75	3.45
195.20	0.02	195.72	0.12	196.24	0.17	196.76	3.57
195.21	0.03	195.73	0.12	196.25	0.17	196.77	3.69
195.22	0.03	195.74	0.12	196.26	0.17	196.78	3.82
195.23	0.03	195.75	0.12	196.27	0.17	196.79	3.94
195.24	0.04	195.76	0.12	196.28	0.17	196.80	4.07
195.25	0.04	195.77	0.13	196.29	0.17	196.81	4.20
195.26	0.05	195.78	0.13	196.30	0.17	196.82	4.33
195.27	0.05	195.79	0.13	196.31	0.17	196.83	4.46
195.28	0.05	195.80	0.13	196.32	0.17	196.84	4.59
195.29	0.05	195.81	0.13	196.33	0.18	196.85	4.72
195.30	0.06	195.82	0.13	196.34	0.18	196.86	4.85
195.31	0.06	195.83	0.13	196.35	0.18	196.87	4.99
195.32	0.06	195.84	0.13	196.36	0.19	196.88	5.13
195.33	0.06	195.85	0.13	196.37	0.22	196.89	5.26
195.34	0.06	195.86	0.13	196.38	0.25	196.90	5.40
195.35	0.07	195.87	0.14	196.39	0.28	196.91	5.54
195.36	0.07	195.88	0.14	196.40	0.33	196.92	5.68
195.37	0.07	195.89	0.14	196.41	0.37	196.93	5.83
195.38	0.07	195.90	0.14	196.42	0.42	196.94	5.97
195.39	0.07	195.91	0.14	196.43	0.48	196.95	6.11
195.40	0.08	195.92	0.14	196.44	0.54	196.96	6.26
195.41	0.08	195.93	0.14	196.45	0.60	196.97	6.41
195.42	0.08	195.94	0.14	196.46	0.66	196.98	6.55
195.43	0.08	195.95	0.14	196.47	0.73	196.99	6.70
195.44	0.08	195.96	0.14	196.48	0.80	197.00	6.85
195.45	0.08	195.97	0.15	196.49	0.87	197.01	7.00
195.46	0.09	195.98	0.15	196.50	0.94	197.02	7.16
195.47	0.09	195.99	0.15	196.51	1.02	197.03	7.31
195.48	0.09	196.00	0.15	196.52	1.10	197.04	7.46
195.49	0.09	196.01	0.15	196.53	1.18	197.05	7.62
195.50	0.09	196.02	0.15	196.54	1.26	197.06	7.77
195.51	0.09	196.03	0.15	196.55	1.35	197.07	7.93
195.52	0.10	196.04	0.15	196.56	1.44	197.08	8.09
195.53	0.10	196.05	0.15	196.57	1.53	197.09	8.24
195.54	0.10	196.06	0.15	196.58	1.62	197.10	8.40
195.55	0.10	196.07	0.15	196.59	1.71	197.11	8.56
195.56	0.10	196.08	0.16	196.60	1.81	197.12	8.73
195.57	0.10	196.09	0.16	196.61	1.91	197.13	8.89
195.58	0.10	196.10	0.16	196.62	2.01	197.14	9.05
195.59	0.10	196.11	0.16	196.63	2.11	197.15	9.22

Stage-Discharge for Pond B-52: Basin #52 (continued)

Elevation (feet)	Primary (cfs)
197.16	9.38
197.17	9.49
197.18	9.50
197.19	9.51
197.20	9.52
197.21	9.53
197.22	9.54
197.23	9.55
197.24	9.55
197.25	9.56
197.26	9.69
197.27	9.91
197.28	10.20
197.29	10.54
197.30	10.92
197.31	11.35
197.32	11.81
197.33	12.30
197.34	12.82
197.35	13.38
197.36	13.96
197.37	14.57
197.38	15.21
197.39	15.87
197.40	16.55
197.41	17.26
197.42	17.99
197.43	18.75
197.44	19.52
197.45	20.32
197.46	21.17
197.47	22.06
197.48	22.96
197.49	23.90
197.50	**24.85**

Stage-Area-Storage for Pond B-52: Basin #52

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
193.00	474	0	193.52	732	314
193.01	479	5	193.53	737	321
193.02	484	10	193.54	742	328
193.03	489	14	193.55	747	336
193.04	494	19	193.56	752	343
193.05	499	24	193.57	757	351
193.06	504	29	193.58	762	358
193.07	509	34	193.59	767	366
193.08	514	40	193.60	772	374
193.09	519	45	193.61	777	381
193.10	524	50	193.62	782	389
193.11	529	55	193.63	786	397
193.12	534	60	193.64	791	405
193.13	538	66	193.65	796	413
193.14	543	71	193.66	801	421
193.15	548	77	193.67	806	429
193.16	553	82	193.68	811	437
193.17	558	88	193.69	816	445
193.18	563	93	193.70	821	453
193.19	568	99	193.71	826	462
193.20	573	105	193.72	831	470
193.21	578	110	193.73	836	478
193.22	583	116	193.74	841	487
193.23	588	122	193.75	846	495
193.24	593	128	193.76	851	503
193.25	598	134	193.77	856	512
193.26	603	140	193.78	861	521
193.27	608	146	193.79	866	529
193.28	613	152	193.80	871	538
193.29	618	158	193.81	876	547
193.30	623	165	193.82	881	555
193.31	628	171	193.83	886	564
193.32	633	177	193.84	891	573
193.33	638	183	193.85	896	582
193.34	643	190	193.86	901	591
193.35	648	196	193.87	906	600
193.36	653	203	193.88	910	609
193.37	658	209	193.89	915	618
193.38	662	216	193.90	920	627
193.39	667	223	193.91	925	637
193.40	672	229	193.92	930	646
193.41	677	236	193.93	935	655
193.42	682	243	193.94	940	665
193.43	687	250	193.95	945	674
193.44	692	257	193.96	950	684
193.45	697	264	193.97	955	693
193.46	702	271	193.98	960	703
193.47	707	278	193.99	965	712
193.48	712	285	194.00	970	722
193.49	717	292	194.01	976	732
193.50	722	299	194.02	981	742
193.51	727	306	194.03	987	751

Stage-Area-Storage for Pond B-52: Basin #52 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
194.04	992	761	194.56	1,280	1,352
194.05	998	771	194.57	1,285	1,365
194.06	1,003	781	194.58	1,291	1,378
194.07	1,009	791	194.59	1,296	1,391
194.08	1,014	801	194.60	1,302	1,404
194.09	1,020	812	194.61	1,307	1,417
194.10	1,025	822	194.62	1,313	1,430
194.11	1,031	832	194.63	1,318	1,443
194.12	1,036	842	194.64	1,324	1,456
194.13	1,042	853	194.65	1,329	1,469
194.14	1,047	863	194.66	1,335	1,483
194.15	1,053	874	194.67	1,341	1,496
194.16	1,058	884	194.68	1,346	1,509
194.17	1,064	895	194.69	1,352	1,523
194.18	1,070	906	194.70	1,357	1,536
194.19	1,075	916	194.71	1,363	1,550
194.20	1,081	927	194.72	1,368	1,564
194.21	1,086	938	194.73	1,374	1,577
194.22	1,092	949	194.74	1,379	1,591
194.23	1,097	960	194.75	1,385	1,605
194.24	1,103	971	194.76	1,390	1,619
194.25	1,108	982	194.77	1,396	1,633
194.26	1,114	993	194.78	1,401	1,647
194.27	1,119	1,004	194.79	1,407	1,661
194.28	1,125	1,015	194.80	1,412	1,675
194.29	1,130	1,027	194.81	1,418	1,689
194.30	1,136	1,038	194.82	1,423	1,703
194.31	1,141	1,049	194.83	1,429	1,718
194.32	1,147	1,061	194.84	1,435	1,732
194.33	1,152	1,072	194.85	1,440	1,746
194.34	1,158	1,084	194.86	1,446	1,761
194.35	1,164	1,095	194.87	1,451	1,775
194.36	1,169	1,107	194.88	1,457	1,790
194.37	1,175	1,119	194.89	1,462	1,804
194.38	1,180	1,131	194.90	1,468	1,819
194.39	1,186	1,142	194.91	1,473	1,834
194.40	1,191	1,154	194.92	1,479	1,848
194.41	1,197	1,166	194.93	1,484	1,863
194.42	1,202	1,178	194.94	1,490	1,878
194.43	1,208	1,190	194.95	1,495	1,893
194.44	1,213	1,202	194.96	1,501	1,908
194.45	1,219	1,214	194.97	1,506	1,923
194.46	1,224	1,227	194.98	1,512	1,938
194.47	1,230	1,239	194.99	1,517	1,953
194.48	1,235	1,251	195.00	1,523	1,969
194.49	1,241	1,264	195.01	1,529	1,984
194.50	1,247	1,276	195.02	1,535	1,999
194.51	1,252	1,289	195.03	1,541	2,014
194.52	1,258	1,301	195.04	1,547	2,030
194.53	1,263	1,314	195.05	1,554	2,045
194.54	1,269	1,326	195.06	1,560	2,061
194.55	1,274	1,339	195.07	1,566	2,077

Stage-Area-Storage for Pond B-52: Basin #52 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
195.08	1,572	2,092	195.60	1,889	2,992
195.09	1,578	2,108	195.61	1,895	3,011
195.10	1,584	2,124	195.62	1,901	3,030
195.11	1,590	2,140	195.63	1,907	3,049
195.12	1,596	2,156	195.64	1,913	3,068
195.13	1,602	2,172	195.65	1,920	3,087
195.14	1,608	2,188	195.66	1,926	3,107
195.15	1,615	2,204	195.67	1,932	3,126
195.16	1,621	2,220	195.68	1,938	3,145
195.17	1,627	2,236	195.69	1,944	3,165
195.18	1,633	2,253	195.70	1,950	3,184
195.19	1,639	2,269	195.71	1,956	3,204
195.20	1,645	2,285	195.72	1,962	3,223
195.21	1,651	2,302	195.73	1,968	3,243
195.22	1,657	2,318	195.74	1,974	3,263
195.23	1,663	2,335	195.75	1,981	3,282
195.24	1,669	2,352	195.76	1,987	3,302
195.25	1,676	2,368	195.77	1,993	3,322
195.26	1,682	2,385	195.78	1,999	3,342
195.27	1,688	2,402	195.79	2,005	3,362
195.28	1,694	2,419	195.80	2,011	3,382
195.29	1,700	2,436	195.81	2,017	3,402
195.30	1,706	2,453	195.82	2,023	3,422
195.31	1,712	2,470	195.83	2,029	3,443
195.32	1,718	2,487	195.84	2,035	3,463
195.33	1,724	2,504	195.85	2,041	3,483
195.34	1,730	2,522	195.86	2,048	3,504
195.35	1,736	2,539	195.87	2,054	3,524
195.36	1,743	2,556	195.88	2,060	3,545
195.37	1,749	2,574	195.89	2,066	3,566
195.38	1,755	2,591	195.90	2,072	3,586
195.39	1,761	2,609	195.91	2,078	3,607
195.40	1,767	2,627	195.92	2,084	3,628
195.41	1,773	2,644	195.93	2,090	3,649
195.42	1,779	2,662	195.94	2,096	3,670
195.43	1,785	2,680	195.95	2,102	3,691
195.44	1,791	2,698	195.96	2,109	3,712
195.45	1,797	2,716	195.97	2,115	3,733
195.46	1,804	2,734	195.98	2,121	3,754
195.47	1,810	2,752	195.99	2,127	3,775
195.48	1,816	2,770	196.00	2,133	3,797
195.49	1,822	2,788	196.01	2,140	3,818
195.50	1,828	2,806	196.02	2,146	3,839
195.51	1,834	2,825	196.03	2,153	3,861
195.52	1,840	2,843	196.04	2,160	3,882
195.53	1,846	2,861	196.05	2,166	3,904
195.54	1,852	2,880	196.06	2,173	3,926
195.55	1,859	2,898	196.07	2,180	3,947
195.56	1,865	2,917	196.08	2,186	3,969
195.57	1,871	2,936	196.09	2,193	3,991
195.58	1,877	2,954	196.10	2,200	4,013
195.59	1,883	2,973	196.11	2,206	4,035

Stage-Area-Storage for Pond B-52: Basin #52 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
196.12	2,213	4,057	196.64	2,559	5,298
196.13	2,220	4,079	196.65	2,566	5,324
196.14	2,226	4,102	196.66	2,573	5,349
196.15	2,233	4,124	196.67	2,579	5,375
196.16	2,240	4,146	196.68	2,586	5,401
196.17	2,246	4,169	196.69	2,593	5,427
196.18	2,253	4,191	196.70	2,599	5,453
196.19	2,260	4,214	196.71	2,606	5,479
196.20	2,266	4,236	196.72	2,613	5,505
196.21	2,273	4,259	196.73	2,619	5,531
196.22	2,280	4,282	196.74	2,626	5,557
196.23	2,286	4,305	196.75	2,633	5,584
196.24	2,293	4,328	196.76	2,639	5,610
196.25	2,300	4,351	196.77	2,646	5,636
196.26	2,306	4,374	196.78	2,652	5,663
196.27	2,313	4,397	196.79	2,659	5,689
196.28	2,319	4,420	196.80	2,666	5,716
196.29	2,326	4,443	196.81	2,672	5,743
196.30	2,333	4,466	196.82	2,679	5,769
196.31	2,339	4,490	196.83	2,686	5,796
196.32	2,346	4,513	196.84	2,692	5,823
196.33	2,353	4,537	196.85	2,699	5,850
196.34	2,359	4,560	196.86	2,706	5,877
196.35	2,366	4,584	196.87	2,712	5,904
196.36	2,373	4,608	196.88	2,719	5,931
196.37	2,379	4,631	196.89	2,726	5,959
196.38	2,386	4,655	196.90	2,732	5,986
196.39	2,393	4,679	196.91	2,739	6,013
196.40	2,399	4,703	196.92	2,746	6,041
196.41	2,406	4,727	196.93	2,752	6,068
196.42	2,413	4,751	196.94	2,759	6,096
196.43	2,419	4,775	196.95	2,766	6,123
196.44	2,426	4,799	196.96	2,772	6,151
196.45	2,433	4,824	196.97	2,779	6,179
196.46	2,439	4,848	196.98	2,786	6,207
196.47	2,446	4,873	196.99	2,792	6,235
196.48	2,453	4,897	197.00	2,799	6,263
196.49	2,459	4,922	197.01	2,806	6,291
196.50	2,466	4,946	197.02	2,813	6,319
196.51	2,473	4,971	197.03	2,820	6,347
196.52	2,479	4,996	197.04	2,827	6,375
196.53	2,486	5,021	197.05	2,835	6,403
196.54	2,493	5,045	197.06	2,842	6,432
196.55	2,499	5,070	197.07	2,849	6,460
196.56	2,506	5,095	197.08	2,856	6,489
196.57	2,513	5,121	197.09	2,863	6,517
196.58	2,519	5,146	197.10	2,870	6,546
196.59	2,526	5,171	197.11	2,877	6,575
196.60	2,533	5,196	197.12	2,884	6,603
196.61	2,539	5,222	197.13	2,891	6,632
196.62	2,546	5,247	197.14	2,898	6,661
196.63	2,553	5,272	197.15	2,906	6,690

Stage-Area-Storage for Pond B-52: Basin #52 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
197.16	2,913	6,719
197.17	2,920	6,749
197.18	2,927	6,778
197.19	2,934	6,807
197.20	2,941	6,836
197.21	2,948	6,866
197.22	2,955	6,895
197.23	2,962	6,925
197.24	2,969	6,955
197.25	2,977	6,984
197.26	2,984	7,014
197.27	2,991	7,044
197.28	2,998	7,074
197.29	3,005	7,104
197.30	3,012	7,134
197.31	3,019	7,164
197.32	3,026	7,195
197.33	3,033	7,225
197.34	3,040	7,255
197.35	3,047	7,286
197.36	3,055	7,316
197.37	3,062	7,347
197.38	3,069	7,377
197.39	3,076	7,408
197.40	3,083	7,439
197.41	3,090	7,470
197.42	3,097	7,501
197.43	3,104	7,532
197.44	3,111	7,563
197.45	3,118	7,594
197.46	3,126	7,625
197.47	3,133	7,656
197.48	3,140	7,688
197.49	3,147	7,719
197.50	**3,154**	**7,751**

Summary for Pond B-53: Basin #53

Inflow Area = 2.540 ac, 47.80% Impervious, Inflow Depth = 4.24" for Future 10 yr event
Inflow = 13.51 cfs @ 12.10 hrs, Volume= 0.898 af
Outflow = 7.14 cfs @ 12.19 hrs, Volume= 0.786 af, Atten= 47%, Lag= 5.7 min
Primary = 7.14 cfs @ 12.19 hrs, Volume= 0.786 af
Routed to Pond B-51 : Basin #51

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 202.78' @ 12.19 hrs Surf.Area= 4,749 sf Storage= 13,221 cf

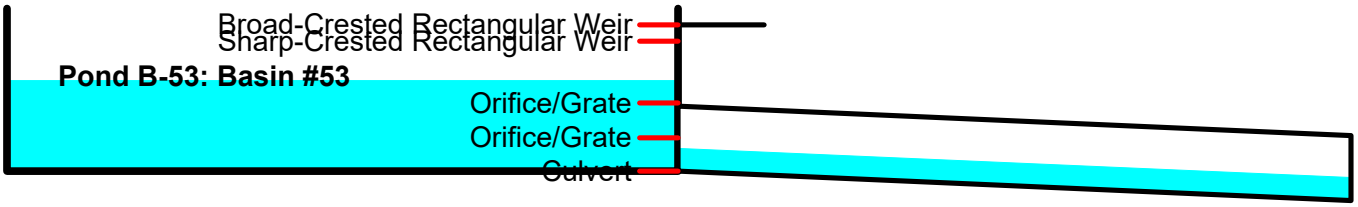
Plug-Flow detention time= 135.7 min calculated for 0.785 af (87% of inflow)
Center-of-Mass det. time= 75.2 min (851.9 - 776.7)

Volume	Invert	Avail.Storage	Storage Description
#1	200.00'	23,745 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

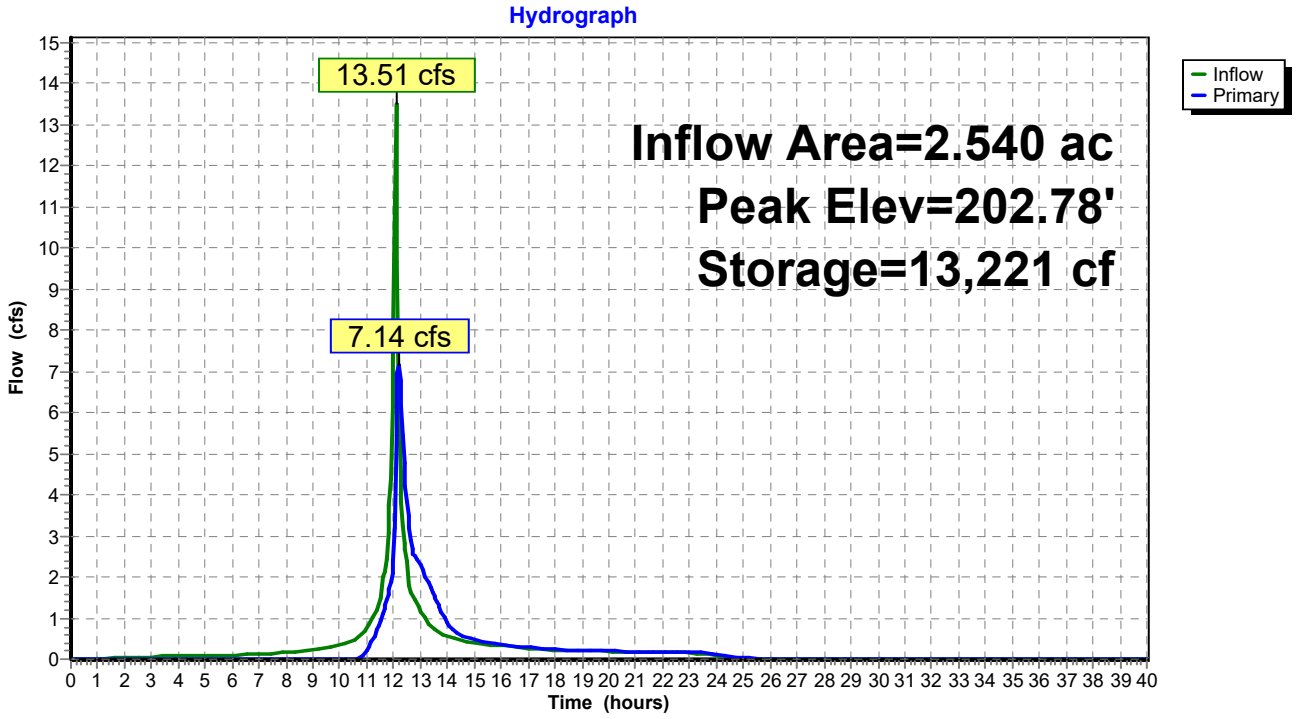
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
200.00	4,749	0	0
201.00	4,749	4,749	4,749
202.00	4,749	4,749	9,498
203.00	4,749	4,749	14,247
204.00	4,749	4,749	18,996
205.00	4,749	4,749	23,745

Device	Routing	Invert	Outlet Devices
#1	Primary	200.00'	**24.0" Round Culvert** L= 39.0' Ke= 0.500 Inlet / Outlet Invert= 200.00' / 199.10' S= 0.0231 '/' Cc= 0.900 n= 0.013, Flow Area= 3.14 sf
#2	Device 1	201.03'	**20.0" W x 4.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	202.10'	**29.0" W x 6.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Device 1	204.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#5	Primary	204.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=7.10 cfs @ 12.19 hrs HW=202.78' (Free Discharge)
- **1=Culvert** (Passes 7.10 cfs of 20.16 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 3.36 cfs @ 6.05 fps)
  - **3=Orifice/Grate** (Orifice Controls 3.74 cfs @ 3.10 fps)
  - **4=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **5=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-53: Basin #53



Hydrograph for Pond B-53: Basin #53

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	200.00	0.00
0.10	0.00	0	200.00	0.00
0.20	0.00	0	200.00	0.00
0.30	0.00	0	200.00	0.00
0.40	0.00	0	200.00	0.00
0.50	0.00	0	200.00	0.00
0.60	0.00	0	200.00	0.00
0.70	0.00	0	200.00	0.00
0.80	0.00	1	200.00	0.00
0.90	0.01	3	200.00	0.00
1.00	0.01	7	200.00	0.00
1.10	0.02	12	200.00	0.00
1.20	0.02	18	200.00	0.00
1.30	0.02	26	200.01	0.00
1.40	0.03	35	200.01	0.00
1.50	0.03	45	200.01	0.00
1.60	0.03	57	200.01	0.00
1.70	0.04	69	200.01	0.00
1.80	0.04	82	200.02	0.00
1.90	0.04	96	200.02	0.00
2.00	0.04	112	200.02	0.00
2.10	0.05	128	200.03	0.00
2.20	0.05	145	200.03	0.00
2.30	0.05	162	200.03	0.00
2.40	0.05	181	200.04	0.00
2.50	0.05	200	200.04	0.00
2.60	0.06	220	200.05	0.00
2.70	0.06	240	200.05	0.00
2.80	0.06	262	200.06	0.00
2.90	0.06	284	200.06	0.00
3.00	0.06	306	200.06	0.00
3.10	0.07	330	200.07	0.00
3.20	0.07	354	200.07	0.00
3.30	0.07	378	200.08	0.00
3.40	0.07	403	200.08	0.00
3.50	0.07	428	200.09	0.00
3.60	0.07	455	200.10	0.00
3.70	0.07	481	200.10	0.00
3.80	0.08	508	200.11	0.00
3.90	0.08	536	200.11	0.00
4.00	0.08	564	200.12	0.00
4.10	0.08	593	200.12	0.00
4.20	0.08	622	200.13	0.00
4.30	0.08	651	200.14	0.00
4.40	0.08	682	200.14	0.00
4.50	0.09	712	200.15	0.00
4.60	0.09	743	200.16	0.00
4.70	0.09	774	200.16	0.00
4.80	0.09	806	200.17	0.00
4.90	0.09	838	200.18	0.00
5.00	0.09	871	200.18	0.00
5.10	0.09	904	200.19	0.00

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.09	937	200.20	0.00
5.30	0.09	971	200.20	0.00
5.40	0.10	1,005	200.21	0.00
5.50	0.10	1,040	200.22	0.00
5.60	0.10	1,075	200.23	0.00
5.70	0.10	1,110	200.23	0.00
5.80	0.10	1,146	200.24	0.00
5.90	0.10	1,182	200.25	0.00
6.00	0.10	1,219	200.26	0.00
6.10	0.10	1,256	200.26	0.00
6.20	0.11	1,294	200.27	0.00
6.30	0.11	1,333	200.28	0.00
6.40	0.11	1,373	200.29	0.00
6.50	0.12	1,414	200.30	0.00
6.60	0.12	1,457	200.31	0.00
6.70	0.12	1,500	200.32	0.00
6.80	0.12	1,545	200.33	0.00
6.90	0.13	1,590	200.33	0.00
7.00	0.13	1,637	200.34	0.00
7.10	0.13	1,684	200.35	0.00
7.20	0.14	1,733	200.36	0.00
7.30	0.14	1,783	200.38	0.00
7.40	0.14	1,834	200.39	0.00
7.50	0.15	1,886	200.40	0.00
7.60	0.15	1,939	200.41	0.00
7.70	0.15	1,993	200.42	0.00
7.80	0.15	2,048	200.43	0.00
7.90	0.16	2,104	200.44	0.00
8.00	0.16	2,162	200.46	0.00
8.10	0.16	2,220	200.47	0.00
8.20	0.17	2,280	200.48	0.00
8.30	0.17	2,341	200.49	0.00
8.40	0.18	2,404	200.51	0.00
8.50	0.18	2,469	200.52	0.00
8.60	0.19	2,536	200.53	0.00
8.70	0.19	2,604	200.55	0.00
8.80	0.20	2,674	200.56	0.00
8.90	0.20	2,746	200.58	0.00
9.00	0.21	2,819	200.59	0.00
9.10	0.22	2,896	200.61	0.00
9.20	0.23	2,977	200.63	0.00
9.30	0.25	3,063	200.65	0.00
9.40	0.26	3,155	200.66	0.00
9.50	0.28	3,251	200.68	0.00
9.60	0.29	3,353	200.71	0.00
9.70	0.31	3,460	200.73	0.00
9.80	0.32	3,573	200.75	0.00
9.90	0.34	3,691	200.78	0.00
10.00	0.35	3,816	200.80	0.00
10.10	0.37	3,945	200.83	0.00
10.20	0.39	4,082	200.86	0.00
10.30	0.40	4,224	200.89	0.00

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.42	4,372	200.92	0.00
10.50	0.44	4,527	200.95	0.00
10.60	0.49	4,694	200.99	0.00
10.70	0.55	4,880	201.03	0.00
10.80	0.61	5,081	201.07	0.05
10.90	0.67	5,279	201.11	0.13
11.00	0.73	5,467	201.15	0.23
11.10	0.84	5,647	201.19	0.34
11.20	0.95	5,823	201.23	0.47
11.30	1.07	5,996	201.26	0.60
11.40	1.20	6,163	201.30	0.74
11.50	1.31	6,321	201.33	0.89
11.60	1.99	6,561	201.38	1.09
11.70	2.23	6,889	201.45	1.32
11.80	3.07	7,326	201.54	1.56
11.90	4.41	8,057	201.70	1.88
12.00	7.81	9,499	202.00	2.39
12.10	**13.47**	12,104	202.55	5.44
12.20	5.99	**13,214**	**202.78**	**7.13**
12.30	3.85	12,507	202.63	6.17
12.40	2.82	11,727	202.47	4.76
12.50	2.59	11,160	202.35	3.84
12.60	1.77	10,675	202.25	3.18
12.70	1.59	10,220	202.15	2.70
12.80	1.46	9,836	202.07	2.50
12.90	1.32	9,456	201.99	2.38
13.00	1.18	9,071	201.91	2.25
13.10	1.05	8,683	201.83	2.12
13.20	0.97	8,306	201.75	1.98
13.30	0.89	7,953	201.67	1.84
13.40	0.82	7,623	201.61	1.70
13.50	0.74	7,319	201.54	1.55
13.60	0.67	7,040	201.48	1.41
13.70	0.65	6,796	201.43	1.26
13.80	0.63	6,596	201.39	1.12
13.90	0.61	6,438	201.36	0.99
14.00	0.59	6,317	201.33	0.88
14.10	0.57	6,223	201.31	0.80
14.20	0.55	6,150	201.30	0.73
14.30	0.53	6,091	201.28	0.68
14.40	0.51	6,040	201.27	0.64
14.50	0.49	5,997	201.26	0.60
14.60	0.47	5,959	201.25	0.57
14.70	0.45	5,925	201.25	0.54
14.80	0.43	5,893	201.24	0.52
14.90	0.41	5,862	201.23	0.50
15.00	0.39	5,832	201.23	0.47
15.10	0.38	5,803	201.22	0.45
15.20	0.37	5,777	201.22	0.43
15.30	0.36	5,755	201.21	0.42
15.40	0.36	5,737	201.21	0.40
15.50	0.35	5,722	201.20	0.39

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.35	5,708	201.20	0.38
15.70	0.34	5,696	201.20	0.37
15.80	0.34	5,685	201.20	0.37
15.90	0.33	5,675	201.19	0.36
16.00	0.33	5,665	201.19	0.35
16.10	0.32	5,656	201.19	0.35
16.20	0.32	5,647	201.19	0.34
16.30	0.31	5,637	201.19	0.34
16.40	0.31	5,629	201.19	0.33
16.50	0.30	5,620	201.18	0.32
16.60	0.30	5,611	201.18	0.32
16.70	0.29	5,603	201.18	0.31
16.80	0.28	5,595	201.18	0.31
16.90	0.28	5,586	201.18	0.30
17.00	0.27	5,578	201.17	0.30
17.10	0.27	5,570	201.17	0.29
17.20	0.26	5,562	201.17	0.29
17.30	0.26	5,553	201.17	0.28
17.40	0.25	5,545	201.17	0.28
17.50	0.25	5,537	201.17	0.27
17.60	0.24	5,529	201.16	0.27
17.70	0.24	5,521	201.16	0.26
17.80	0.23	5,512	201.16	0.26
17.90	0.23	5,504	201.16	0.25
18.00	0.22	5,496	201.16	0.24
18.10	0.22	5,488	201.16	0.24
18.20	0.22	5,480	201.15	0.23
18.30	0.21	5,474	201.15	0.23
18.40	0.21	5,468	201.15	0.23
18.50	0.21	5,463	201.15	0.22
18.60	0.21	5,459	201.15	0.22
18.70	0.21	5,455	201.15	0.22
18.80	0.21	5,451	201.15	0.22
18.90	0.21	5,448	201.15	0.22
19.00	0.20	5,445	201.15	0.21
19.10	0.20	5,441	201.15	0.21
19.20	0.20	5,438	201.15	0.21
19.30	0.20	5,435	201.14	0.21
19.40	0.20	5,432	201.14	0.21
19.50	0.20	5,430	201.14	0.21
19.60	0.20	5,427	201.14	0.20
19.70	0.20	5,424	201.14	0.20
19.80	0.20	5,422	201.14	0.20
19.90	0.19	5,419	201.14	0.20
20.00	0.19	5,416	201.14	0.20
20.10	0.19	5,414	201.14	0.20
20.20	0.19	5,411	201.14	0.20
20.30	0.19	5,409	201.14	0.19
20.40	0.19	5,406	201.14	0.19
20.50	0.19	5,403	201.14	0.19
20.60	0.18	5,401	201.14	0.19
20.70	0.18	5,399	201.14	0.19

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.18	5,396	201.14	0.19
20.90	0.18	5,393	201.14	0.19
21.00	0.18	5,391	201.14	0.19
21.10	0.18	5,388	201.13	0.18
21.20	0.18	5,386	201.13	0.18
21.30	0.18	5,383	201.13	0.18
21.40	0.17	5,381	201.13	0.18
21.50	0.17	5,378	201.13	0.18
21.60	0.17	5,376	201.13	0.18
21.70	0.17	5,373	201.13	0.18
21.80	0.17	5,371	201.13	0.18
21.90	0.17	5,368	201.13	0.17
22.00	0.17	5,365	201.13	0.17
22.10	0.16	5,363	201.13	0.17
22.20	0.16	5,360	201.13	0.17
22.30	0.16	5,358	201.13	0.17
22.40	0.16	5,355	201.13	0.17
22.50	0.16	5,353	201.13	0.17
22.60	0.16	5,350	201.13	0.16
22.70	0.16	5,348	201.13	0.16
22.80	0.15	5,345	201.13	0.16
22.90	0.15	5,342	201.12	0.16
23.00	0.15	5,340	201.12	0.16
23.10	0.15	5,338	201.12	0.16
23.20	0.15	5,335	201.12	0.16
23.30	0.15	5,332	201.12	0.16
23.40	0.15	5,330	201.12	0.15
23.50	0.15	5,327	201.12	0.15
23.60	0.14	5,325	201.12	0.15
23.70	0.14	5,322	201.12	0.15
23.80	0.14	5,320	201.12	0.15
23.90	0.14	5,317	201.12	0.15
24.00	0.17	5,320	201.12	0.15
24.10	0.02	5,299	201.12	0.14
24.20	0.00	5,256	201.11	0.12
24.30	0.00	5,218	201.10	0.10
24.40	0.00	5,185	201.09	0.09
24.50	0.00	5,156	201.09	0.08
24.60	0.00	5,131	201.08	0.07
24.70	0.00	5,108	201.08	0.06
24.80	0.00	5,089	201.07	0.05
24.90	0.00	5,071	201.07	0.05
25.00	0.00	5,056	201.06	0.04
25.10	0.00	5,043	201.06	0.03
25.20	0.00	5,031	201.06	0.03
25.30	0.00	5,020	201.06	0.03
25.40	0.00	5,011	201.06	0.02
25.50	0.00	5,003	201.05	0.02
25.60	0.00	4,996	201.05	0.02
25.70	0.00	4,990	201.05	0.02
25.80	0.00	4,984	201.05	0.01
25.90	0.00	4,979	201.05	0.01

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	4,974	201.05	0.01
26.10	0.00	4,970	201.05	0.01
26.20	0.00	4,965	201.05	0.01
26.30	0.00	4,961	201.04	0.01
26.40	0.00	4,957	201.04	0.01
26.50	0.00	4,954	201.04	0.01
26.60	0.00	4,950	201.04	0.01
26.70	0.00	4,947	201.04	0.01
26.80	0.00	4,944	201.04	0.01
26.90	0.00	4,941	201.04	0.01
27.00	0.00	4,938	201.04	0.01
27.10	0.00	4,935	201.04	0.01
27.20	0.00	4,933	201.04	0.01
27.30	0.00	4,931	201.04	0.01
27.40	0.00	4,929	201.04	0.01
27.50	0.00	4,926	201.04	0.01
27.60	0.00	4,924	201.04	0.01
27.70	0.00	4,923	201.04	0.00
27.80	0.00	4,921	201.04	0.00
27.90	0.00	4,919	201.04	0.00
28.00	0.00	4,918	201.04	0.00
28.10	0.00	4,916	201.04	0.00
28.20	0.00	4,915	201.03	0.00
28.30	0.00	4,914	201.03	0.00
28.40	0.00	4,912	201.03	0.00
28.50	0.00	4,911	201.03	0.00
28.60	0.00	4,910	201.03	0.00
28.70	0.00	4,909	201.03	0.00
28.80	0.00	4,908	201.03	0.00
28.90	0.00	4,907	201.03	0.00
29.00	0.00	4,906	201.03	0.00
29.10	0.00	4,905	201.03	0.00
29.20	0.00	4,905	201.03	0.00
29.30	0.00	4,904	201.03	0.00
29.40	0.00	4,903	201.03	0.00
29.50	0.00	4,903	201.03	0.00
29.60	0.00	4,902	201.03	0.00
29.70	0.00	4,901	201.03	0.00
29.80	0.00	4,901	201.03	0.00
29.90	0.00	4,900	201.03	0.00
30.00	0.00	4,900	201.03	0.00
30.10	0.00	4,899	201.03	0.00
30.20	0.00	4,899	201.03	0.00
30.30	0.00	4,898	201.03	0.00
30.40	0.00	4,898	201.03	0.00
30.50	0.00	4,898	201.03	0.00
30.60	0.00	4,897	201.03	0.00
30.70	0.00	4,897	201.03	0.00
30.80	0.00	4,897	201.03	0.00
30.90	0.00	4,896	201.03	0.00
31.00	0.00	4,896	201.03	0.00
31.10	0.00	4,896	201.03	0.00

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	4,896	201.03	0.00
31.30	0.00	4,895	201.03	0.00
31.40	0.00	4,895	201.03	0.00
31.50	0.00	4,895	201.03	0.00
31.60	0.00	4,895	201.03	0.00
31.70	0.00	4,895	201.03	0.00
31.80	0.00	4,894	201.03	0.00
31.90	0.00	4,894	201.03	0.00
32.00	0.00	4,894	201.03	0.00
32.10	0.00	4,894	201.03	0.00
32.20	0.00	4,894	201.03	0.00
32.30	0.00	4,894	201.03	0.00
32.40	0.00	4,894	201.03	0.00
32.50	0.00	4,893	201.03	0.00
32.60	0.00	4,893	201.03	0.00
32.70	0.00	4,893	201.03	0.00
32.80	0.00	4,893	201.03	0.00
32.90	0.00	4,893	201.03	0.00
33.00	0.00	4,893	201.03	0.00
33.10	0.00	4,893	201.03	0.00
33.20	0.00	4,893	201.03	0.00
33.30	0.00	4,893	201.03	0.00
33.40	0.00	4,893	201.03	0.00
33.50	0.00	4,893	201.03	0.00
33.60	0.00	4,893	201.03	0.00
33.70	0.00	4,892	201.03	0.00
33.80	0.00	4,892	201.03	0.00
33.90	0.00	4,892	201.03	0.00
34.00	0.00	4,892	201.03	0.00
34.10	0.00	4,892	201.03	0.00
34.20	0.00	4,892	201.03	0.00
34.30	0.00	4,892	201.03	0.00
34.40	0.00	4,892	201.03	0.00
34.50	0.00	4,892	201.03	0.00
34.60	0.00	4,892	201.03	0.00
34.70	0.00	4,892	201.03	0.00
34.80	0.00	4,892	201.03	0.00
34.90	0.00	4,892	201.03	0.00
35.00	0.00	4,892	201.03	0.00
35.10	0.00	4,892	201.03	0.00
35.20	0.00	4,892	201.03	0.00
35.30	0.00	4,892	201.03	0.00
35.40	0.00	4,892	201.03	0.00
35.50	0.00	4,892	201.03	0.00
35.60	0.00	4,892	201.03	0.00
35.70	0.00	4,892	201.03	0.00
35.80	0.00	4,892	201.03	0.00
35.90	0.00	4,892	201.03	0.00
36.00	0.00	4,892	201.03	0.00
36.10	0.00	4,892	201.03	0.00
36.20	0.00	4,892	201.03	0.00
36.30	0.00	4,892	201.03	0.00

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	4,892	201.03	0.00
36.50	0.00	4,892	201.03	0.00
36.60	0.00	4,892	201.03	0.00
36.70	0.00	4,892	201.03	0.00
36.80	0.00	4,892	201.03	0.00
36.90	0.00	4,892	201.03	0.00
37.00	0.00	4,892	201.03	0.00
37.10	0.00	4,892	201.03	0.00
37.20	0.00	4,892	201.03	0.00
37.30	0.00	4,892	201.03	0.00
37.40	0.00	4,892	201.03	0.00
37.50	0.00	4,892	201.03	0.00
37.60	0.00	4,892	201.03	0.00
37.70	0.00	4,892	201.03	0.00
37.80	0.00	4,892	201.03	0.00
37.90	0.00	4,892	201.03	0.00
38.00	0.00	4,892	201.03	0.00
38.10	0.00	4,892	201.03	0.00
38.20	0.00	4,892	201.03	0.00
38.30	0.00	4,892	201.03	0.00
38.40	0.00	4,892	201.03	0.00
38.50	0.00	4,892	201.03	0.00
38.60	0.00	4,892	201.03	0.00
38.70	0.00	4,892	201.03	0.00
38.80	0.00	4,892	201.03	0.00
38.90	0.00	4,892	201.03	0.00
39.00	0.00	4,892	201.03	0.00
39.10	0.00	4,892	201.03	0.00
39.20	0.00	4,892	201.03	0.00
39.30	0.00	4,892	201.03	0.00
39.40	0.00	4,892	201.03	0.00
39.50	0.00	4,892	201.03	0.00
39.60	0.00	4,892	201.03	0.00
39.70	0.00	4,892	201.03	0.00
39.80	0.00	4,892	201.03	0.00
39.90	0.00	4,891	201.03	0.00
40.00	0.00	4,891	201.03	0.00

Stage-Discharge for Pond B-53: Basin #53

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
200.00	0.00	200.52	0.00	201.04	0.01	201.56	1.60
200.01	0.00	200.53	0.00	201.05	0.02	201.57	1.62
200.02	0.00	200.54	0.00	201.06	0.03	201.58	1.64
200.03	0.00	200.55	0.00	201.07	0.04	201.59	1.66
200.04	0.00	200.56	0.00	201.08	0.06	201.60	1.69
200.05	0.00	200.57	0.00	201.09	0.08	201.61	1.71
200.06	0.00	200.58	0.00	201.10	0.10	201.62	1.73
200.07	0.00	200.59	0.00	201.11	0.12	201.63	1.75
200.08	0.00	200.60	0.00	201.12	0.14	201.64	1.77
200.09	0.00	200.61	0.00	201.13	0.17	201.65	1.79
200.10	0.00	200.62	0.00	201.14	0.20	201.66	1.81
200.11	0.00	200.63	0.00	201.15	0.22	201.67	1.83
200.12	0.00	200.64	0.00	201.16	0.25	201.68	1.85
200.13	0.00	200.65	0.00	201.17	0.28	201.69	1.87
200.14	0.00	200.66	0.00	201.18	0.31	201.70	1.89
200.15	0.00	200.67	0.00	201.19	0.34	201.71	1.91
200.16	0.00	200.68	0.00	201.20	0.37	201.72	1.93
200.17	0.00	200.69	0.00	201.21	0.41	201.73	1.95
200.18	0.00	200.70	0.00	201.22	0.44	201.74	1.96
200.19	0.00	200.71	0.00	201.23	0.48	201.75	1.98
200.20	0.00	200.72	0.00	201.24	0.51	201.76	2.00
200.21	0.00	200.73	0.00	201.25	0.55	201.77	2.02
200.22	0.00	200.74	0.00	201.26	0.59	201.78	2.04
200.23	0.00	200.75	0.00	201.27	0.63	201.79	2.05
200.24	0.00	200.76	0.00	201.28	0.67	201.80	2.07
200.25	0.00	200.77	0.00	201.29	0.71	201.81	2.09
200.26	0.00	200.78	0.00	201.30	0.75	201.82	2.11
200.27	0.00	200.79	0.00	201.31	0.79	201.83	2.12
200.28	0.00	200.80	0.00	201.32	0.84	201.84	2.14
200.29	0.00	200.81	0.00	201.33	0.88	201.85	2.16
200.30	0.00	200.82	0.00	201.34	0.92	201.86	2.17
200.31	0.00	200.83	0.00	201.35	0.97	201.87	2.19
200.32	0.00	200.84	0.00	201.36	1.01	201.88	2.21
200.33	0.00	200.85	0.00	201.37	1.06	201.89	2.22
200.34	0.00	200.86	0.00	201.38	1.10	201.90	2.24
200.35	0.00	200.87	0.00	201.39	1.13	201.91	2.25
200.36	0.00	200.88	0.00	201.40	1.17	201.92	2.27
200.37	0.00	200.89	0.00	201.41	1.20	201.93	2.29
200.38	0.00	200.90	0.00	201.42	1.23	201.94	2.30
200.39	0.00	200.91	0.00	201.43	1.26	201.95	2.32
200.40	0.00	200.92	0.00	201.44	1.29	201.96	2.33
200.41	0.00	200.93	0.00	201.45	1.32	201.97	2.35
200.42	0.00	200.94	0.00	201.46	1.35	201.98	2.36
200.43	0.00	200.95	0.00	201.47	1.38	201.99	2.38
200.44	0.00	200.96	0.00	201.48	1.40	202.00	2.39
200.45	0.00	200.97	0.00	201.49	1.43	202.01	2.41
200.46	0.00	200.98	0.00	201.50	1.45	202.02	2.42
200.47	0.00	200.99	0.00	201.51	1.48	202.03	2.44
200.48	0.00	201.00	0.00	201.52	1.50	202.04	2.45
200.49	0.00	201.01	0.00	201.53	1.53	202.05	2.47
200.50	0.00	201.02	0.00	201.54	1.55	202.06	2.48
200.51	0.00	201.03	0.00	201.55	1.57	202.07	2.50

Stage-Discharge for Pond B-53: Basin #53 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
202.08	2.51	202.60	5.91	203.12	8.79	203.64	10.78
202.09	2.52	202.61	6.00	203.13	8.83	203.65	10.81
202.10	2.54	202.62	6.08	203.14	8.88	203.66	10.85
202.11	2.56	202.63	6.15	203.15	8.92	203.67	10.88
202.12	2.59	202.64	6.23	203.16	8.96	203.68	10.91
202.13	2.62	202.65	6.30	203.17	9.00	203.69	10.95
202.14	2.66	202.66	6.37	203.18	9.05	203.70	10.98
202.15	2.70	202.67	6.44	203.19	9.09	203.71	11.02
202.16	2.74	202.68	6.51	203.20	9.13	203.72	11.05
202.17	2.78	202.69	6.57	203.21	9.17	203.73	11.08
202.18	2.82	202.70	6.64	203.22	9.21	203.74	11.12
202.19	2.87	202.71	6.70	203.23	9.25	203.75	11.15
202.20	2.92	202.72	6.76	203.24	9.29	203.76	11.18
202.21	2.97	202.73	6.83	203.25	9.33	203.77	11.21
202.22	3.03	202.74	6.89	203.26	9.37	203.78	11.25
202.23	3.08	202.75	6.95	203.27	9.41	203.79	11.28
202.24	3.14	202.76	7.01	203.28	9.45	203.80	11.31
202.25	3.19	202.77	7.06	203.29	9.49	203.81	11.34
202.26	3.25	202.78	7.12	203.30	9.53	203.82	11.38
202.27	3.31	202.79	7.18	203.31	9.57	203.83	11.41
202.28	3.37	202.80	7.24	203.32	9.61	203.84	11.44
202.29	3.44	202.81	7.29	203.33	9.65	203.85	11.47
202.30	3.50	202.82	7.35	203.34	9.69	203.86	11.51
202.31	3.57	202.83	7.40	203.35	9.73	203.87	11.54
202.32	3.63	202.84	7.45	203.36	9.77	203.88	11.57
202.33	3.70	202.85	7.51	203.37	9.80	203.89	11.60
202.34	3.77	202.86	7.56	203.38	9.84	203.90	11.63
202.35	3.84	202.87	7.61	203.39	9.88	203.91	11.66
202.36	3.91	202.88	7.66	203.40	9.92	203.92	11.70
202.37	3.98	202.89	7.72	203.41	9.95	203.93	11.73
202.38	4.06	202.90	7.77	203.42	9.99	203.94	11.76
202.39	4.13	202.91	7.82	203.43	10.03	203.95	11.79
202.40	4.21	202.92	7.87	203.44	10.07	203.96	11.82
202.41	4.28	202.93	7.92	203.45	10.10	203.97	11.85
202.42	4.36	202.94	7.96	203.46	10.14	203.98	11.88
202.43	4.44	202.95	8.01	203.47	10.18	203.99	11.91
202.44	4.52	202.96	8.06	203.48	10.21	204.00	11.94
202.45	4.60	202.97	8.11	203.49	10.25	204.01	11.99
202.46	4.68	202.98	8.16	203.50	10.29	204.02	12.04
202.47	4.76	202.99	8.20	203.51	10.32	204.03	12.10
202.48	4.85	203.00	8.25	203.52	10.36	204.04	12.17
202.49	4.93	203.01	8.30	203.53	10.39	204.05	12.24
202.50	5.01	203.02	8.34	203.54	10.43	204.06	12.32
202.51	5.10	203.03	8.39	203.55	10.46	204.07	12.40
202.52	5.19	203.04	8.44	203.56	10.50	204.08	12.48
202.53	5.27	203.05	8.48	203.57	10.54	204.09	12.57
202.54	5.36	203.06	8.53	203.58	10.57	204.10	12.66
202.55	5.45	203.07	8.57	203.59	10.61	204.11	12.75
202.56	5.54	203.08	8.62	203.60	10.64	204.12	12.85
202.57	5.63	203.09	8.66	203.61	10.67	204.13	12.95
202.58	5.72	203.10	8.70	203.62	10.71	204.14	13.05
202.59	5.82	203.11	8.75	203.63	10.74	204.15	13.15

Stage-Discharge for Pond B-53: Basin #53 (continued)

Elevation (feet)	Primary (cfs)
204.16	13.26
204.17	13.36
204.18	13.47
204.19	13.59
204.20	13.70
204.21	13.82
204.22	13.94
204.23	14.06
204.24	14.18
204.25	14.30
204.26	14.43
204.27	14.56
204.28	14.68
204.29	14.82
204.30	14.95
204.31	15.08
204.32	15.22
204.33	15.35
204.34	15.49
204.35	15.63
204.36	15.77
204.37	15.92
204.38	16.06
204.39	16.21
204.40	16.36
204.41	16.50
204.42	16.65
204.43	16.80
204.44	16.96
204.45	17.11
204.46	17.27
204.47	17.42
204.48	17.58
204.49	17.74
204.50	17.90
204.51	18.17
204.52	18.55
204.53	18.99
204.54	19.48
204.55	20.02
204.56	20.60
204.57	21.22
204.58	21.87
204.59	22.56
204.60	23.27
204.61	24.02
204.62	24.79
204.63	25.59
204.64	26.42
204.65	27.27
204.66	28.14
204.67	29.04
204.68	29.97
204.69	30.91
204.70	31.88
204.71	32.91
204.72	33.96
204.73	35.04
204.74	36.15
204.75	37.28
204.76	38.44
204.77	39.63
204.78	40.84
204.79	42.07
204.80	43.33
204.81	44.62
204.82	45.93
204.83	47.27
204.84	48.63
204.85	50.02
204.86	51.43
204.87	52.87
204.88	54.33
204.89	55.82
204.90	57.33
204.91	58.89
204.92	60.48
204.93	62.10
204.94	63.74
204.95	65.42
204.96	67.11
204.97	68.84
204.98	70.59
204.99	72.37
205.00	**74.18**

Stage-Area-Storage for Pond B-53: Basin #53

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
200.00	**4,749**	0	200.52	4,749	2,469
200.01	4,749	47	200.53	4,749	2,517
200.02	4,749	95	200.54	4,749	2,564
200.03	4,749	142	200.55	4,749	2,612
200.04	4,749	190	200.56	4,749	2,659
200.05	4,749	237	200.57	4,749	2,707
200.06	4,749	285	200.58	4,749	2,754
200.07	4,749	332	200.59	4,749	2,802
200.08	4,749	380	200.60	4,749	2,849
200.09	4,749	427	200.61	4,749	2,897
200.10	4,749	475	200.62	4,749	2,944
200.11	4,749	522	200.63	4,749	2,992
200.12	4,749	570	200.64	4,749	3,039
200.13	4,749	617	200.65	4,749	3,087
200.14	4,749	665	200.66	4,749	3,134
200.15	4,749	712	200.67	4,749	3,182
200.16	4,749	760	200.68	4,749	3,229
200.17	4,749	807	200.69	4,749	3,277
200.18	4,749	855	200.70	4,749	3,324
200.19	4,749	902	200.71	4,749	3,372
200.20	4,749	950	200.72	4,749	3,419
200.21	4,749	997	200.73	4,749	3,467
200.22	4,749	1,045	200.74	4,749	3,514
200.23	4,749	1,092	200.75	4,749	3,562
200.24	4,749	1,140	200.76	4,749	3,609
200.25	4,749	1,187	200.77	4,749	3,657
200.26	4,749	1,235	200.78	4,749	3,704
200.27	4,749	1,282	200.79	4,749	3,752
200.28	4,749	1,330	200.80	4,749	3,799
200.29	4,749	1,377	200.81	4,749	3,847
200.30	4,749	1,425	200.82	4,749	3,894
200.31	4,749	1,472	200.83	4,749	3,942
200.32	4,749	1,520	200.84	4,749	3,989
200.33	4,749	1,567	200.85	4,749	4,037
200.34	4,749	1,615	200.86	4,749	4,084
200.35	4,749	1,662	200.87	4,749	4,132
200.36	4,749	1,710	200.88	4,749	4,179
200.37	4,749	1,757	200.89	4,749	4,227
200.38	4,749	1,805	200.90	4,749	4,274
200.39	4,749	1,852	200.91	4,749	4,322
200.40	4,749	1,900	200.92	4,749	4,369
200.41	4,749	1,947	200.93	4,749	4,417
200.42	4,749	1,995	200.94	4,749	4,464
200.43	4,749	2,042	200.95	4,749	4,512
200.44	4,749	2,090	200.96	4,749	4,559
200.45	4,749	2,137	200.97	4,749	4,607
200.46	4,749	2,185	200.98	4,749	4,654
200.47	4,749	2,232	200.99	4,749	4,702
200.48	4,749	2,280	201.00	4,749	4,749
200.49	4,749	2,327	201.01	4,749	4,796
200.50	4,749	2,375	201.02	4,749	4,844
200.51	4,749	2,422	201.03	4,749	4,891

Stage-Area-Storage for Pond B-53: Basin #53 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
201.04	4,749	4,939	201.56	4,749	7,408
201.05	4,749	4,986	201.57	4,749	7,456
201.06	4,749	5,034	201.58	4,749	7,503
201.07	4,749	5,081	201.59	4,749	7,551
201.08	4,749	5,129	201.60	4,749	7,598
201.09	4,749	5,176	201.61	4,749	7,646
201.10	4,749	5,224	201.62	4,749	7,693
201.11	4,749	5,271	201.63	4,749	7,741
201.12	4,749	5,319	201.64	4,749	7,788
201.13	4,749	5,366	201.65	4,749	7,836
201.14	4,749	5,414	201.66	4,749	7,883
201.15	4,749	5,461	201.67	4,749	7,931
201.16	4,749	5,509	201.68	4,749	7,978
201.17	4,749	5,556	201.69	4,749	8,026
201.18	4,749	5,604	201.70	4,749	8,073
201.19	4,749	5,651	201.71	4,749	8,121
201.20	4,749	5,699	201.72	4,749	8,168
201.21	4,749	5,746	201.73	4,749	8,216
201.22	4,749	5,794	201.74	4,749	8,263
201.23	4,749	5,841	201.75	4,749	8,311
201.24	4,749	5,889	201.76	4,749	8,358
201.25	4,749	5,936	201.77	4,749	8,406
201.26	4,749	5,984	201.78	4,749	8,453
201.27	4,749	6,031	201.79	4,749	8,501
201.28	4,749	6,079	201.80	4,749	8,548
201.29	4,749	6,126	201.81	4,749	8,596
201.30	4,749	6,174	201.82	4,749	8,643
201.31	4,749	6,221	201.83	4,749	8,691
201.32	4,749	6,269	201.84	4,749	8,738
201.33	4,749	6,316	201.85	4,749	8,786
201.34	4,749	6,364	201.86	4,749	8,833
201.35	4,749	6,411	201.87	4,749	8,881
201.36	4,749	6,459	201.88	4,749	8,928
201.37	4,749	6,506	201.89	4,749	8,976
201.38	4,749	6,554	201.90	4,749	9,023
201.39	4,749	6,601	201.91	4,749	9,071
201.40	4,749	6,649	201.92	4,749	9,118
201.41	4,749	6,696	201.93	4,749	9,166
201.42	4,749	6,744	201.94	4,749	9,213
201.43	4,749	6,791	201.95	4,749	9,261
201.44	4,749	6,839	201.96	4,749	9,308
201.45	4,749	6,886	201.97	4,749	9,356
201.46	4,749	6,934	201.98	4,749	9,403
201.47	4,749	6,981	201.99	4,749	9,451
201.48	4,749	7,029	202.00	4,749	9,498
201.49	4,749	7,076	202.01	4,749	9,545
201.50	4,749	7,124	202.02	4,749	9,593
201.51	4,749	7,171	202.03	4,749	9,640
201.52	4,749	7,218	202.04	4,749	9,688
201.53	4,749	7,266	202.05	4,749	9,735
201.54	4,749	7,313	202.06	4,749	9,783
201.55	4,749	7,361	202.07	4,749	9,830

Stage-Area-Storage for Pond B-53: Basin #53 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
202.08	4,749	9,878	202.60	4,749	12,347
202.09	4,749	9,925	202.61	4,749	12,395
202.10	4,749	9,973	202.62	4,749	12,442
202.11	4,749	10,020	202.63	4,749	12,490
202.12	4,749	10,068	202.64	4,749	12,537
202.13	4,749	10,115	202.65	4,749	12,585
202.14	4,749	10,163	202.66	4,749	12,632
202.15	4,749	10,210	202.67	4,749	12,680
202.16	4,749	10,258	202.68	4,749	12,727
202.17	4,749	10,305	202.69	4,749	12,775
202.18	4,749	10,353	202.70	4,749	12,822
202.19	4,749	10,400	202.71	4,749	12,870
202.20	4,749	10,448	202.72	4,749	12,917
202.21	4,749	10,495	202.73	4,749	12,965
202.22	4,749	10,543	202.74	4,749	13,012
202.23	4,749	10,590	202.75	4,749	13,060
202.24	4,749	10,638	202.76	4,749	13,107
202.25	4,749	10,685	202.77	4,749	13,155
202.26	4,749	10,733	202.78	4,749	13,202
202.27	4,749	10,780	202.79	4,749	13,250
202.28	4,749	10,828	202.80	4,749	13,297
202.29	4,749	10,875	202.81	4,749	13,345
202.30	4,749	10,923	202.82	4,749	13,392
202.31	4,749	10,970	202.83	4,749	13,440
202.32	4,749	11,018	202.84	4,749	13,487
202.33	4,749	11,065	202.85	4,749	13,535
202.34	4,749	11,113	202.86	4,749	13,582
202.35	4,749	11,160	202.87	4,749	13,630
202.36	4,749	11,208	202.88	4,749	13,677
202.37	4,749	11,255	202.89	4,749	13,725
202.38	4,749	11,303	202.90	4,749	13,772
202.39	4,749	11,350	202.91	4,749	13,820
202.40	4,749	11,398	202.92	4,749	13,867
202.41	4,749	11,445	202.93	4,749	13,915
202.42	4,749	11,493	202.94	4,749	13,962
202.43	4,749	11,540	202.95	4,749	14,010
202.44	4,749	11,588	202.96	4,749	14,057
202.45	4,749	11,635	202.97	4,749	14,105
202.46	4,749	11,683	202.98	4,749	14,152
202.47	4,749	11,730	202.99	4,749	14,200
202.48	4,749	11,778	203.00	4,749	14,247
202.49	4,749	11,825	203.01	4,749	14,294
202.50	4,749	11,873	203.02	4,749	14,342
202.51	4,749	11,920	203.03	4,749	14,389
202.52	4,749	11,967	203.04	4,749	14,437
202.53	4,749	12,015	203.05	4,749	14,484
202.54	4,749	12,062	203.06	4,749	14,532
202.55	4,749	12,110	203.07	4,749	14,579
202.56	4,749	12,157	203.08	4,749	14,627
202.57	4,749	12,205	203.09	4,749	14,674
202.58	4,749	12,252	203.10	4,749	14,722
202.59	4,749	12,300	203.11	4,749	14,769

Stage-Area-Storage for Pond B-53: Basin #53 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
203.12	4,749	14,817	203.64	4,749	17,286
203.13	4,749	14,864	203.65	4,749	17,334
203.14	4,749	14,912	203.66	4,749	17,381
203.15	4,749	14,959	203.67	4,749	17,429
203.16	4,749	15,007	203.68	4,749	17,476
203.17	4,749	15,054	203.69	4,749	17,524
203.18	4,749	15,102	203.70	4,749	17,571
203.19	4,749	15,149	203.71	4,749	17,619
203.20	4,749	15,197	203.72	4,749	17,666
203.21	4,749	15,244	203.73	4,749	17,714
203.22	4,749	15,292	203.74	4,749	17,761
203.23	4,749	15,339	203.75	4,749	17,809
203.24	4,749	15,387	203.76	4,749	17,856
203.25	4,749	15,434	203.77	4,749	17,904
203.26	4,749	15,482	203.78	4,749	17,951
203.27	4,749	15,529	203.79	4,749	17,999
203.28	4,749	15,577	203.80	4,749	18,046
203.29	4,749	15,624	203.81	4,749	18,094
203.30	4,749	15,672	203.82	4,749	18,141
203.31	4,749	15,719	203.83	4,749	18,189
203.32	4,749	15,767	203.84	4,749	18,236
203.33	4,749	15,814	203.85	4,749	18,284
203.34	4,749	15,862	203.86	4,749	18,331
203.35	4,749	15,909	203.87	4,749	18,379
203.36	4,749	15,957	203.88	4,749	18,426
203.37	4,749	16,004	203.89	4,749	18,474
203.38	4,749	16,052	203.90	4,749	18,521
203.39	4,749	16,099	203.91	4,749	18,569
203.40	4,749	16,147	203.92	4,749	18,616
203.41	4,749	16,194	203.93	4,749	18,664
203.42	4,749	16,242	203.94	4,749	18,711
203.43	4,749	16,289	203.95	4,749	18,759
203.44	4,749	16,337	203.96	4,749	18,806
203.45	4,749	16,384	203.97	4,749	18,854
203.46	4,749	16,432	203.98	4,749	18,901
203.47	4,749	16,479	203.99	4,749	18,949
203.48	4,749	16,527	204.00	4,749	18,996
203.49	4,749	16,574	204.01	4,749	19,043
203.50	4,749	16,622	204.02	4,749	19,091
203.51	4,749	16,669	204.03	4,749	19,138
203.52	4,749	16,716	204.04	4,749	19,186
203.53	4,749	16,764	204.05	4,749	19,233
203.54	4,749	16,811	204.06	4,749	19,281
203.55	4,749	16,859	204.07	4,749	19,328
203.56	4,749	16,906	204.08	4,749	19,376
203.57	4,749	16,954	204.09	4,749	19,423
203.58	4,749	17,001	204.10	4,749	19,471
203.59	4,749	17,049	204.11	4,749	19,518
203.60	4,749	17,096	204.12	4,749	19,566
203.61	4,749	17,144	204.13	4,749	19,613
203.62	4,749	17,191	204.14	4,749	19,661
203.63	4,749	17,239	204.15	4,749	19,708

Stage-Area-Storage for Pond B-53: Basin #53 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
204.16	4,749	19,756
204.17	4,749	19,803
204.18	4,749	19,851
204.19	4,749	19,898
204.20	4,749	19,946
204.21	4,749	19,993
204.22	4,749	20,041
204.23	4,749	20,088
204.24	4,749	20,136
204.25	4,749	20,183
204.26	4,749	20,231
204.27	4,749	20,278
204.28	4,749	20,326
204.29	4,749	20,373
204.30	4,749	20,421
204.31	4,749	20,468
204.32	4,749	20,516
204.33	4,749	20,563
204.34	4,749	20,611
204.35	4,749	20,658
204.36	4,749	20,706
204.37	4,749	20,753
204.38	4,749	20,801
204.39	4,749	20,848
204.40	4,749	20,896
204.41	4,749	20,943
204.42	4,749	20,991
204.43	4,749	21,038
204.44	4,749	21,086
204.45	4,749	21,133
204.46	4,749	21,181
204.47	4,749	21,228
204.48	4,749	21,276
204.49	4,749	21,323
204.50	4,749	21,371
204.51	4,749	21,418
204.52	4,749	21,465
204.53	4,749	21,513
204.54	4,749	21,560
204.55	4,749	21,608
204.56	4,749	21,655
204.57	4,749	21,703
204.58	4,749	21,750
204.59	4,749	21,798
204.60	4,749	21,845
204.61	4,749	21,893
204.62	4,749	21,940
204.63	4,749	21,988
204.64	4,749	22,035
204.65	4,749	22,083
204.66	4,749	22,130
204.67	4,749	22,178
204.68	4,749	22,225
204.69	4,749	22,273
204.70	4,749	22,320
204.71	4,749	22,368
204.72	4,749	22,415
204.73	4,749	22,463
204.74	4,749	22,510
204.75	4,749	22,558
204.76	4,749	22,605
204.77	4,749	22,653
204.78	4,749	22,700
204.79	4,749	22,748
204.80	4,749	22,795
204.81	4,749	22,843
204.82	4,749	22,890
204.83	4,749	22,938
204.84	4,749	22,985
204.85	4,749	23,033
204.86	4,749	23,080
204.87	4,749	23,128
204.88	4,749	23,175
204.89	4,749	23,223
204.90	4,749	23,270
204.91	4,749	23,318
204.92	4,749	23,365
204.93	4,749	23,413
204.94	4,749	23,460
204.95	4,749	23,508
204.96	4,749	23,555
204.97	4,749	23,603
204.98	4,749	23,650
204.99	4,749	23,698
205.00	4,749	**23,745**

Summary for Pond B-54: Basin #54

Inflow Area = 2.570 ac, 60.47% Impervious, Inflow Depth = 4.57" for Future 10 yr event
Inflow = 13.22 cfs @ 12.09 hrs, Volume= 0.978 af
Outflow = 4.30 cfs @ 12.32 hrs, Volume= 0.838 af, Atten= 67%, Lag= 13.5 min
Primary = 4.30 cfs @ 12.32 hrs, Volume= 0.838 af
Routed to Pond B-51 : Basin #51

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 201.16' @ 12.32 hrs Surf.Area= 5,114 sf Storage= 16,140 cf

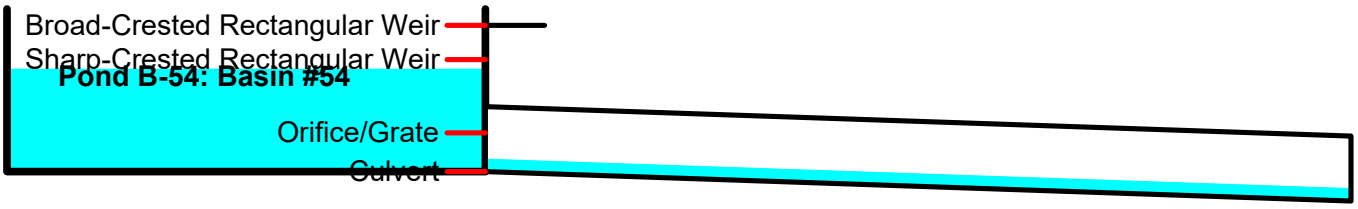
Plug-Flow detention time= 151.9 min calculated for 0.838 af (86% of inflow)
Center-of-Mass det. time= 84.6 min (852.2 - 767.6)

Volume	Invert	Avail.Storage	Storage Description
#1	198.00'	25,570 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

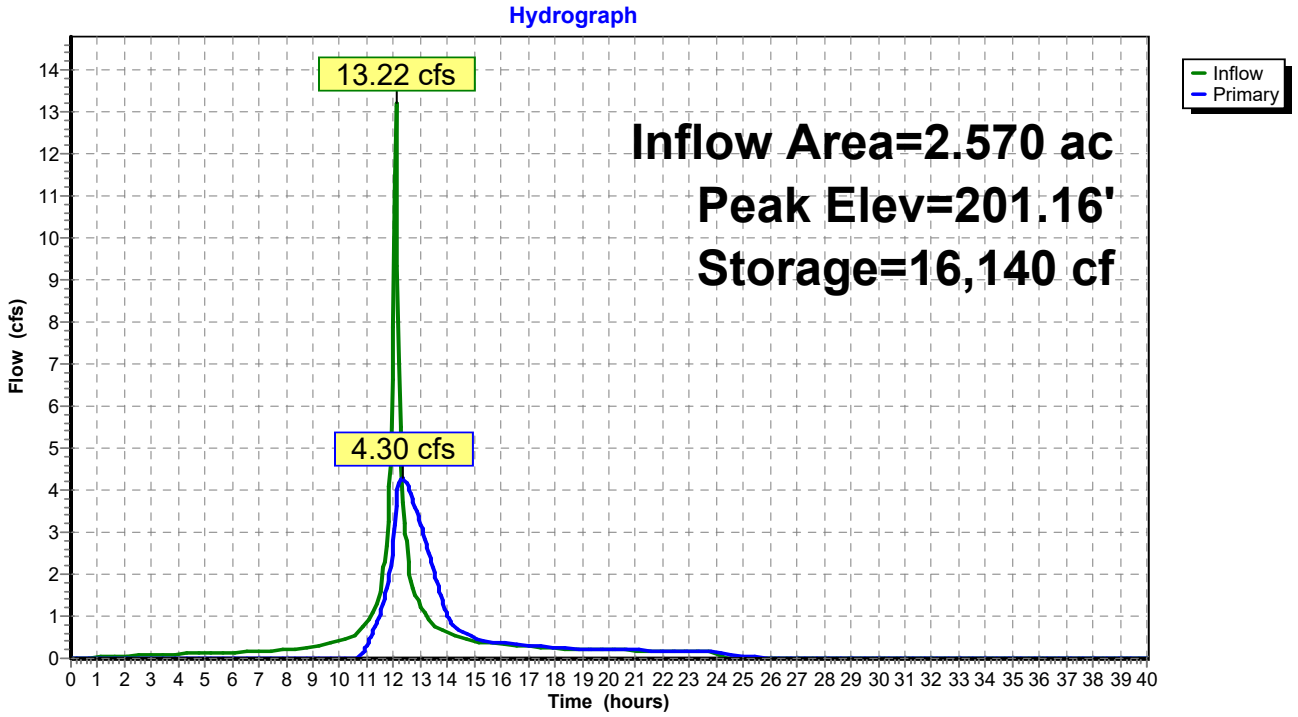
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
198.00	5,114	0	0
199.00	5,114	5,114	5,114
200.00	5,114	5,114	10,228
201.00	5,114	5,114	15,342
202.00	5,114	5,114	20,456
203.00	5,114	5,114	25,570

Device	Routing	Invert	Outlet Devices
#1	Primary	198.00'	**24.0" Round Culvert** L= 73.0' Ke= 0.500 Inlet / Outlet Invert= 198.00' / 197.10' S= 0.0123 '/' Cc= 0.900 n= 0.013, Flow Area= 3.14 sf
#2	Device 1	199.19'	**24.0" W x 4.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	201.45'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	202.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=4.30 cfs @ 12.32 hrs HW=201.15' (Free Discharge)
- **1=Culvert** (Passes 4.30 cfs of 22.19 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 4.30 cfs @ 6.45 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-54: Basin #54



Hydrograph for Pond B-54: Basin #54

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	198.00	0.00
0.10	0.00	0	198.00	0.00
0.20	0.00	0	198.00	0.00
0.30	0.00	0	198.00	0.00
0.40	0.00	0	198.00	0.00
0.50	0.00	0	198.00	0.00
0.60	0.00	0	198.00	0.00
0.70	0.00	0	198.00	0.00
0.80	0.01	2	198.00	0.00
0.90	0.01	5	198.00	0.00
1.00	0.02	10	198.00	0.00
1.10	0.02	17	198.00	0.00
1.20	0.03	26	198.01	0.00
1.30	0.03	37	198.01	0.00
1.40	0.04	49	198.01	0.00
1.50	0.04	62	198.01	0.00
1.60	0.04	77	198.02	0.00
1.70	0.05	93	198.02	0.00
1.80	0.05	110	198.02	0.00
1.90	0.05	129	198.03	0.00
2.00	0.06	149	198.03	0.00
2.10	0.06	170	198.03	0.00
2.20	0.06	192	198.04	0.00
2.30	0.07	215	198.04	0.00
2.40	0.07	238	198.05	0.00
2.50	0.07	263	198.05	0.00
2.60	0.07	289	198.06	0.00
2.70	0.08	316	198.06	0.00
2.80	0.08	343	198.07	0.00
2.90	0.08	372	198.07	0.00
3.00	0.08	401	198.08	0.00
3.10	0.08	431	198.08	0.00
3.20	0.09	462	198.09	0.00
3.30	0.09	493	198.10	0.00
3.40	0.09	525	198.10	0.00
3.50	0.09	558	198.11	0.00
3.60	0.09	592	198.12	0.00
3.70	0.10	626	198.12	0.00
3.80	0.10	661	198.13	0.00
3.90	0.10	697	198.14	0.00
4.00	0.10	733	198.14	0.00
4.10	0.10	770	198.15	0.00
4.20	0.10	807	198.16	0.00
4.30	0.11	845	198.17	0.00
4.40	0.11	884	198.17	0.00
4.50	0.11	923	198.18	0.00
4.60	0.11	963	198.19	0.00
4.70	0.11	1,003	198.20	0.00
4.80	0.11	1,044	198.20	0.00
4.90	0.12	1,085	198.21	0.00
5.00	0.12	1,127	198.22	0.00
5.10	0.12	1,169	198.23	0.00

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.12	1,212	198.24	0.00
5.30	0.12	1,256	198.25	0.00
5.40	0.12	1,300	198.25	0.00
5.50	0.12	1,344	198.26	0.00
5.60	0.13	1,389	198.27	0.00
5.70	0.13	1,435	198.28	0.00
5.80	0.13	1,480	198.29	0.00
5.90	0.13	1,527	198.30	0.00
6.00	0.13	1,574	198.31	0.00
6.10	0.13	1,622	198.32	0.00
6.20	0.14	1,671	198.33	0.00
6.30	0.14	1,721	198.34	0.00
6.40	0.15	1,773	198.35	0.00
6.50	0.15	1,826	198.36	0.00
6.60	0.15	1,881	198.37	0.00
6.70	0.16	1,937	198.38	0.00
6.80	0.16	1,994	198.39	0.00
6.90	0.16	2,053	198.40	0.00
7.00	0.17	2,113	198.41	0.00
7.10	0.17	2,174	198.43	0.00
7.20	0.18	2,237	198.44	0.00
7.30	0.18	2,301	198.45	0.00
7.40	0.18	2,367	198.46	0.00
7.50	0.19	2,434	198.48	0.00
7.60	0.19	2,502	198.49	0.00
7.70	0.20	2,571	198.50	0.00
7.80	0.20	2,642	198.52	0.00
7.90	0.20	2,715	198.53	0.00
8.00	0.21	2,789	198.55	0.00
8.10	0.21	2,864	198.56	0.00
8.20	0.21	2,940	198.57	0.00
8.30	0.22	3,019	198.59	0.00
8.40	0.22	3,098	198.61	0.00
8.50	0.23	3,180	198.62	0.00
8.60	0.23	3,264	198.64	0.00
8.70	0.24	3,350	198.65	0.00
8.80	0.24	3,437	198.67	0.00
8.90	0.25	3,526	198.69	0.00
9.00	0.26	3,618	198.71	0.00
9.10	0.27	3,713	198.73	0.00
9.20	0.29	3,813	198.75	0.00
9.30	0.30	3,920	198.77	0.00
9.40	0.32	4,032	198.79	0.00
9.50	0.33	4,150	198.81	0.00
9.60	0.35	4,274	198.84	0.00
9.70	0.37	4,404	198.86	0.00
9.80	0.39	4,540	198.89	0.00
9.90	0.40	4,683	198.92	0.00
10.00	0.42	4,832	198.94	0.00
10.10	0.44	4,987	198.98	0.00
10.20	0.46	5,148	199.01	0.00
10.30	0.48	5,317	199.04	0.00

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.49	5,491	199.07	0.00
10.50	0.51	5,673	199.11	0.00
10.60	0.57	5,870	199.15	0.00
10.70	0.63	6,089	199.19	0.00
10.80	0.70	6,319	199.24	0.07
10.90	0.77	6,542	199.28	0.18
11.00	0.83	6,746	199.32	0.30
11.10	0.95	6,938	199.36	0.44
11.20	1.07	7,121	199.39	0.59
11.30	1.20	7,295	199.43	0.74
11.40	1.33	7,460	199.46	0.90
11.50	1.46	7,613	199.49	1.05
11.60	2.16	7,865	199.54	1.30
11.70	2.42	8,180	199.60	1.55
11.80	3.27	8,619	199.69	1.82
11.90	4.62	9,345	199.83	2.19
12.00	7.89	10,774	200.11	2.77
12.10	**13.14**	13,549	200.65	3.65
12.20	7.08	15,626	201.06	4.18
12.30	4.58	**16,132**	**201.15**	**4.30**
12.40	3.23	15,958	201.12	4.26
12.50	2.81	15,519	201.03	4.16
12.60	2.01	14,897	200.91	4.00
12.70	1.73	14,156	200.77	3.81
12.80	1.56	13,408	200.62	3.61
12.90	1.41	12,678	200.48	3.40
13.00	1.27	11,972	200.34	3.18
13.10	1.12	11,294	200.21	2.96
13.20	1.03	10,656	200.08	2.73
13.30	0.95	10,068	199.97	2.50
13.40	0.87	9,534	199.86	2.28
13.50	0.79	9,054	199.77	2.05
13.60	0.72	8,627	199.69	1.82
13.70	0.68	8,262	199.62	1.60
13.80	0.66	7,965	199.56	1.39
13.90	0.64	7,738	199.51	1.17
14.00	0.62	7,572	199.48	1.01
14.10	0.60	7,450	199.46	0.89
14.20	0.58	7,359	199.44	0.80
14.30	0.56	7,287	199.42	0.73
14.40	0.54	7,229	199.41	0.68
14.50	0.52	7,181	199.40	0.64
14.60	0.50	7,140	199.40	0.60
14.70	0.48	7,103	199.39	0.57
14.80	0.46	7,069	199.38	0.54
14.90	0.43	7,038	199.38	0.52
15.00	0.41	7,008	199.37	0.49
15.10	0.39	6,979	199.36	0.47
15.20	0.38	6,953	199.36	0.45
15.30	0.38	6,931	199.36	0.43
15.40	0.37	6,913	199.35	0.42
15.50	0.37	6,898	199.35	0.41

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.36	6,885	199.35	0.40
15.70	0.36	6,872	199.34	0.39
15.80	0.35	6,861	199.34	0.38
15.90	0.35	6,850	199.34	0.37
16.00	0.34	6,841	199.34	0.37
16.10	0.34	6,831	199.34	0.36
16.20	0.33	6,822	199.33	0.35
16.30	0.32	6,813	199.33	0.35
16.40	0.32	6,805	199.33	0.34
16.50	0.31	6,796	199.33	0.34
16.60	0.31	6,788	199.33	0.33
16.70	0.30	6,780	199.33	0.33
16.80	0.30	6,772	199.32	0.32
16.90	0.29	6,763	199.32	0.31
17.00	0.29	6,756	199.32	0.31
17.10	0.28	6,748	199.32	0.30
17.20	0.28	6,740	199.32	0.30
17.30	0.27	6,732	199.32	0.29
17.40	0.26	6,723	199.31	0.29
17.50	0.26	6,716	199.31	0.28
17.60	0.25	6,708	199.31	0.28
17.70	0.25	6,700	199.31	0.27
17.80	0.24	6,692	199.31	0.26
17.90	0.24	6,684	199.31	0.26
18.00	0.23	6,676	199.31	0.25
18.10	0.23	6,668	199.30	0.25
18.20	0.22	6,661	199.30	0.24
18.30	0.22	6,654	199.30	0.24
18.40	0.22	6,649	199.30	0.23
18.50	0.22	6,644	199.30	0.23
18.60	0.22	6,640	199.30	0.23
18.70	0.22	6,636	199.30	0.23
18.80	0.22	6,632	199.30	0.23
18.90	0.21	6,628	199.30	0.22
19.00	0.21	6,625	199.30	0.22
19.10	0.21	6,622	199.29	0.22
19.20	0.21	6,619	199.29	0.22
19.30	0.21	6,616	199.29	0.22
19.40	0.21	6,613	199.29	0.21
19.50	0.21	6,610	199.29	0.21
19.60	0.20	6,607	199.29	0.21
19.70	0.20	6,605	199.29	0.21
19.80	0.20	6,602	199.29	0.21
19.90	0.20	6,600	199.29	0.21
20.00	0.20	6,597	199.29	0.21
20.10	0.20	6,595	199.29	0.20
20.20	0.20	6,592	199.29	0.20
20.30	0.19	6,589	199.29	0.20
20.40	0.19	6,587	199.29	0.20
20.50	0.19	6,584	199.29	0.20
20.60	0.19	6,582	199.29	0.20
20.70	0.19	6,579	199.29	0.20

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.19	6,577	199.29	0.20
20.90	0.19	6,574	199.29	0.19
21.00	0.19	6,572	199.29	0.19
21.10	0.18	6,569	199.28	0.19
21.20	0.18	6,567	199.28	0.19
21.30	0.18	6,564	199.28	0.19
21.40	0.18	6,562	199.28	0.19
21.50	0.18	6,559	199.28	0.19
21.60	0.18	6,557	199.28	0.18
21.70	0.18	6,554	199.28	0.18
21.80	0.18	6,552	199.28	0.18
21.90	0.17	6,549	199.28	0.18
22.00	0.17	6,547	199.28	0.18
22.10	0.17	6,544	199.28	0.18
22.20	0.17	6,542	199.28	0.18
22.30	0.17	6,539	199.28	0.17
22.40	0.17	6,537	199.28	0.17
22.50	0.16	6,534	199.28	0.17
22.60	0.16	6,532	199.28	0.17
22.70	0.16	6,529	199.28	0.17
22.80	0.16	6,527	199.28	0.17
22.90	0.16	6,524	199.28	0.17
23.00	0.16	6,522	199.28	0.16
23.10	0.16	6,519	199.27	0.16
23.20	0.15	6,517	199.27	0.16
23.30	0.15	6,514	199.27	0.16
23.40	0.15	6,511	199.27	0.16
23.50	0.15	6,509	199.27	0.16
23.60	0.15	6,506	199.27	0.16
23.70	0.15	6,504	199.27	0.16
23.80	0.15	6,502	199.27	0.15
23.90	0.15	6,499	199.27	0.15
24.00	0.17	6,501	199.27	0.15
24.10	0.04	6,483	199.27	0.14
24.20	0.01	6,444	199.26	0.12
24.30	0.00	6,405	199.25	0.10
24.40	0.00	6,372	199.25	0.09
24.50	0.00	6,342	199.24	0.08
24.60	0.00	6,316	199.24	0.07
24.70	0.00	6,293	199.23	0.06
24.80	0.00	6,273	199.23	0.05
24.90	0.00	6,255	199.22	0.05
25.00	0.00	6,239	199.22	0.04
25.10	0.00	6,225	199.22	0.04
25.20	0.00	6,212	199.21	0.03
25.30	0.00	6,201	199.21	0.03
25.40	0.00	6,192	199.21	0.03
25.50	0.00	6,183	199.21	0.02
25.60	0.00	6,176	199.21	0.02
25.70	0.00	6,169	199.21	0.02
25.80	0.00	6,163	199.21	0.02
25.90	0.00	6,158	199.20	0.01

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	6,153	199.20	0.01
26.10	0.00	6,149	199.20	0.01
26.20	0.00	6,145	199.20	0.01
26.30	0.00	6,142	199.20	0.01
26.40	0.00	6,139	199.20	0.01
26.50	0.00	6,137	199.20	0.01
26.60	0.00	6,135	199.20	0.01
26.70	0.00	6,133	199.20	0.01
26.80	0.00	6,130	199.20	0.01
26.90	0.00	6,128	199.20	0.01
27.00	0.00	6,127	199.20	0.01
27.10	0.00	6,125	199.20	0.00
27.20	0.00	6,123	199.20	0.00
27.30	0.00	6,121	199.20	0.00
27.40	0.00	6,120	199.20	0.00
27.50	0.00	6,118	199.20	0.00
27.60	0.00	6,117	199.20	0.00
27.70	0.00	6,115	199.20	0.00
27.80	0.00	6,114	199.20	0.00
27.90	0.00	6,113	199.20	0.00
28.00	0.00	6,112	199.20	0.00
28.10	0.00	6,111	199.19	0.00
28.20	0.00	6,109	199.19	0.00
28.30	0.00	6,108	199.19	0.00
28.40	0.00	6,107	199.19	0.00
28.50	0.00	6,106	199.19	0.00
28.60	0.00	6,106	199.19	0.00
28.70	0.00	6,105	199.19	0.00
28.80	0.00	6,104	199.19	0.00
28.90	0.00	6,103	199.19	0.00
29.00	0.00	6,102	199.19	0.00
29.10	0.00	6,102	199.19	0.00
29.20	0.00	6,101	199.19	0.00
29.30	0.00	6,100	199.19	0.00
29.40	0.00	6,099	199.19	0.00
29.50	0.00	6,099	199.19	0.00
29.60	0.00	6,098	199.19	0.00
29.70	0.00	6,098	199.19	0.00
29.80	0.00	6,097	199.19	0.00
29.90	0.00	6,097	199.19	0.00
30.00	0.00	6,096	199.19	0.00
30.10	0.00	6,096	199.19	0.00
30.20	0.00	6,095	199.19	0.00
30.30	0.00	6,095	199.19	0.00
30.40	0.00	6,094	199.19	0.00
30.50	0.00	6,094	199.19	0.00
30.60	0.00	6,094	199.19	0.00
30.70	0.00	6,093	199.19	0.00
30.80	0.00	6,093	199.19	0.00
30.90	0.00	6,093	199.19	0.00
31.00	0.00	6,092	199.19	0.00
31.10	0.00	6,092	199.19	0.00

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	6,092	199.19	0.00
31.30	0.00	6,092	199.19	0.00
31.40	0.00	6,091	199.19	0.00
31.50	0.00	6,091	199.19	0.00
31.60	0.00	6,091	199.19	0.00
31.70	0.00	6,091	199.19	0.00
31.80	0.00	6,090	199.19	0.00
31.90	0.00	6,090	199.19	0.00
32.00	0.00	6,090	199.19	0.00
32.10	0.00	6,090	199.19	0.00
32.20	0.00	6,090	199.19	0.00
32.30	0.00	6,089	199.19	0.00
32.40	0.00	6,089	199.19	0.00
32.50	0.00	6,089	199.19	0.00
32.60	0.00	6,089	199.19	0.00
32.70	0.00	6,089	199.19	0.00
32.80	0.00	6,089	199.19	0.00
32.90	0.00	6,089	199.19	0.00
33.00	0.00	6,088	199.19	0.00
33.10	0.00	6,088	199.19	0.00
33.20	0.00	6,088	199.19	0.00
33.30	0.00	6,088	199.19	0.00
33.40	0.00	6,088	199.19	0.00
33.50	0.00	6,088	199.19	0.00
33.60	0.00	6,088	199.19	0.00
33.70	0.00	6,088	199.19	0.00
33.80	0.00	6,088	199.19	0.00
33.90	0.00	6,087	199.19	0.00
34.00	0.00	6,087	199.19	0.00
34.10	0.00	6,087	199.19	0.00
34.20	0.00	6,087	199.19	0.00
34.30	0.00	6,087	199.19	0.00
34.40	0.00	6,087	199.19	0.00
34.50	0.00	6,087	199.19	0.00
34.60	0.00	6,087	199.19	0.00
34.70	0.00	6,087	199.19	0.00
34.80	0.00	6,087	199.19	0.00
34.90	0.00	6,087	199.19	0.00
35.00	0.00	6,087	199.19	0.00
35.10	0.00	6,087	199.19	0.00
35.20	0.00	6,087	199.19	0.00
35.30	0.00	6,087	199.19	0.00
35.40	0.00	6,087	199.19	0.00
35.50	0.00	6,087	199.19	0.00
35.60	0.00	6,086	199.19	0.00
35.70	0.00	6,086	199.19	0.00
35.80	0.00	6,086	199.19	0.00
35.90	0.00	6,086	199.19	0.00
36.00	0.00	6,086	199.19	0.00
36.10	0.00	6,086	199.19	0.00
36.20	0.00	6,086	199.19	0.00
36.30	0.00	6,086	199.19	0.00

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	6,086	199.19	0.00
36.50	0.00	6,086	199.19	0.00
36.60	0.00	6,086	199.19	0.00
36.70	0.00	6,086	199.19	0.00
36.80	0.00	6,086	199.19	0.00
36.90	0.00	6,086	199.19	0.00
37.00	0.00	6,086	199.19	0.00
37.10	0.00	6,086	199.19	0.00
37.20	0.00	6,086	199.19	0.00
37.30	0.00	6,086	199.19	0.00
37.40	0.00	6,086	199.19	0.00
37.50	0.00	6,086	199.19	0.00
37.60	0.00	6,086	199.19	0.00
37.70	0.00	6,086	199.19	0.00
37.80	0.00	6,086	199.19	0.00
37.90	0.00	6,086	199.19	0.00
38.00	0.00	6,086	199.19	0.00
38.10	0.00	6,086	199.19	0.00
38.20	0.00	6,086	199.19	0.00
38.30	0.00	6,086	199.19	0.00
38.40	0.00	6,086	199.19	0.00
38.50	0.00	6,086	199.19	0.00
38.60	0.00	6,086	199.19	0.00
38.70	0.00	6,086	199.19	0.00
38.80	0.00	6,086	199.19	0.00
38.90	0.00	6,086	199.19	0.00
39.00	0.00	6,086	199.19	0.00
39.10	0.00	6,086	199.19	0.00
39.20	0.00	6,086	199.19	0.00
39.30	0.00	6,086	199.19	0.00
39.40	0.00	6,086	199.19	0.00
39.50	0.00	6,086	199.19	0.00
39.60	0.00	6,086	199.19	0.00
39.70	0.00	6,086	199.19	0.00
39.80	0.00	6,086	199.19	0.00
39.90	0.00	6,086	199.19	0.00
40.00	0.00	6,086	199.19	0.00

Stage-Discharge for Pond B-54: Basin #54

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
198.00	0.00	198.52	0.00	199.04	0.00	199.56	1.40
198.01	0.00	198.53	0.00	199.05	0.00	199.57	1.44
198.02	0.00	198.54	0.00	199.06	0.00	199.58	1.48
198.03	0.00	198.55	0.00	199.07	0.00	199.59	1.51
198.04	0.00	198.56	0.00	199.08	0.00	199.60	1.55
198.05	0.00	198.57	0.00	199.09	0.00	199.61	1.58
198.06	0.00	198.58	0.00	199.10	0.00	199.62	1.62
198.07	0.00	198.59	0.00	199.11	0.00	199.63	1.65
198.08	0.00	198.60	0.00	199.12	0.00	199.64	1.68
198.09	0.00	198.61	0.00	199.13	0.00	199.65	1.71
198.10	0.00	198.62	0.00	199.14	0.00	199.66	1.74
198.11	0.00	198.63	0.00	199.15	0.00	199.67	1.77
198.12	0.00	198.64	0.00	199.16	0.00	199.68	1.80
198.13	0.00	198.65	0.00	199.17	0.00	199.69	1.83
198.14	0.00	198.66	0.00	199.18	0.00	199.70	1.86
198.15	0.00	198.67	0.00	199.19	0.00	199.71	1.89
198.16	0.00	198.68	0.00	199.20	0.01	199.72	1.92
198.17	0.00	198.69	0.00	199.21	0.02	199.73	1.94
198.18	0.00	198.70	0.00	199.22	0.03	199.74	1.97
198.19	0.00	198.71	0.00	199.23	0.05	199.75	2.00
198.20	0.00	198.72	0.00	199.24	0.07	199.76	2.02
198.21	0.00	198.73	0.00	199.25	0.09	199.77	2.05
198.22	0.00	198.74	0.00	199.26	0.12	199.78	2.07
198.23	0.00	198.75	0.00	199.27	0.15	199.79	2.10
198.24	0.00	198.76	0.00	199.28	0.17	199.80	2.12
198.25	0.00	198.77	0.00	199.29	0.20	199.81	2.15
198.26	0.00	198.78	0.00	199.30	0.23	199.82	2.17
198.27	0.00	198.79	0.00	199.31	0.27	199.83	2.20
198.28	0.00	198.80	0.00	199.32	0.30	199.84	2.22
198.29	0.00	198.81	0.00	199.33	0.34	199.85	2.24
198.30	0.00	198.82	0.00	199.34	0.37	199.86	2.27
198.31	0.00	198.83	0.00	199.35	0.41	199.87	2.29
198.32	0.00	198.84	0.00	199.36	0.45	199.88	2.31
198.33	0.00	198.85	0.00	199.37	0.49	199.89	2.33
198.34	0.00	198.86	0.00	199.38	0.53	199.90	2.36
198.35	0.00	198.87	0.00	199.39	0.57	199.91	2.38
198.36	0.00	198.88	0.00	199.40	0.62	199.92	2.40
198.37	0.00	198.89	0.00	199.41	0.66	199.93	2.42
198.38	0.00	198.90	0.00	199.42	0.71	199.94	2.44
198.39	0.00	198.91	0.00	199.43	0.75	199.95	2.46
198.40	0.00	198.92	0.00	199.44	0.80	199.96	2.49
198.41	0.00	198.93	0.00	199.45	0.85	199.97	2.51
198.42	0.00	198.94	0.00	199.46	0.90	199.98	2.53
198.43	0.00	198.95	0.00	199.47	0.95	199.99	2.55
198.44	0.00	198.96	0.00	199.48	1.00	200.00	2.57
198.45	0.00	198.97	0.00	199.49	1.05	200.01	2.59
198.46	0.00	198.98	0.00	199.50	1.11	200.02	2.61
198.47	0.00	198.99	0.00	199.51	1.16	200.03	2.63
198.48	0.00	199.00	0.00	199.52	1.22	200.04	2.65
198.49	0.00	199.01	0.00	199.53	1.27	200.05	2.67
198.50	0.00	199.02	0.00	199.54	1.32	200.06	2.69
198.51	0.00	199.03	0.00	199.55	1.36	200.07	2.70

Stage-Discharge for Pond B-54: Basin #54 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
200.08	2.72	200.60	3.58	201.12	4.26	201.64	5.92
200.09	2.74	200.61	3.59	201.13	4.27	201.65	6.02
200.10	2.76	200.62	3.61	201.14	4.29	201.66	6.12
200.11	2.78	200.63	3.62	201.15	4.30	201.67	6.22
200.12	2.80	200.64	3.63	201.16	4.31	201.68	6.32
200.13	2.82	200.65	3.65	201.17	4.32	201.69	6.42
200.14	2.84	200.66	3.66	201.18	4.33	201.70	6.53
200.15	2.85	200.67	3.68	201.19	4.34	201.71	6.63
200.16	2.87	200.68	3.69	201.20	4.36	201.72	6.74
200.17	2.89	200.69	3.70	201.21	4.37	201.73	6.85
200.18	2.91	200.70	3.72	201.22	4.38	201.74	6.97
200.19	2.93	200.71	3.73	201.23	4.39	201.75	7.08
200.20	2.94	200.72	3.75	201.24	4.40	201.76	7.20
200.21	2.96	200.73	3.76	201.25	4.42	201.77	7.32
200.22	2.98	200.74	3.77	201.26	4.43	201.78	7.43
200.23	3.00	200.75	3.79	201.27	4.44	201.79	7.56
200.24	3.01	200.76	3.80	201.28	4.45	201.80	7.68
200.25	3.03	200.77	3.81	201.29	4.46	201.81	7.80
200.26	3.05	200.78	3.83	201.30	4.47	201.82	7.93
200.27	3.06	200.79	3.84	201.31	4.48	201.83	8.05
200.28	3.08	200.80	3.85	201.32	4.50	201.84	8.18
200.29	3.10	200.81	3.87	201.33	4.51	201.85	8.31
200.30	3.11	200.82	3.88	201.34	4.52	201.86	8.44
200.31	3.13	200.83	3.89	201.35	4.53	201.87	8.57
200.32	3.15	200.84	3.91	201.36	4.54	201.88	8.71
200.33	3.16	200.85	3.92	201.37	4.55	201.89	8.84
200.34	3.18	200.86	3.93	201.38	4.56	201.90	8.98
200.35	3.20	200.87	3.95	201.39	4.58	201.91	9.12
200.36	3.21	200.88	3.96	201.40	4.59	201.92	9.25
200.37	3.23	200.89	3.97	201.41	4.60	201.93	9.39
200.38	3.24	200.90	3.99	201.42	4.61	201.94	9.53
200.39	3.26	200.91	4.00	201.43	4.62	201.95	9.68
200.40	3.28	200.92	4.01	201.44	4.63	201.96	9.82
200.41	3.29	200.93	4.02	201.45	4.64	201.97	9.97
200.42	3.31	200.94	4.04	201.46	4.67	201.98	10.11
200.43	3.32	200.95	4.05	201.47	4.70	201.99	10.26
200.44	3.34	200.96	4.06	201.48	4.74	202.00	10.41
200.45	3.35	200.97	4.08	201.49	4.79	202.01	10.56
200.46	3.37	200.98	4.09	201.50	4.84	202.02	10.71
200.47	3.38	200.99	4.10	201.51	4.90	202.03	10.86
200.48	3.40	201.00	4.11	201.52	4.96	202.04	11.01
200.49	3.41	201.01	4.13	201.53	5.03	202.05	11.16
200.50	3.43	201.02	4.14	201.54	5.09	202.06	11.32
200.51	3.44	201.03	4.15	201.55	5.16	202.07	11.47
200.52	3.46	201.04	4.16	201.56	5.24	202.08	11.63
200.53	3.47	201.05	4.18	201.57	5.31	202.09	11.79
200.54	3.49	201.06	4.19	201.58	5.39	202.10	11.95
200.55	3.50	201.07	4.20	201.59	5.48	202.11	12.11
200.56	3.52	201.08	4.21	201.60	5.56	202.12	12.27
200.57	3.53	201.09	4.22	201.61	5.65	202.13	12.43
200.58	3.55	201.10	4.24	201.62	5.74	202.14	12.59
200.59	3.56	201.11	4.25	201.63	5.83	202.15	12.76

Stage-Discharge for Pond B-54: Basin #54 (continued)

Elevation (feet)	Primary (cfs)
202.16	12.92
202.17	13.09
202.18	13.25
202.19	13.42
202.20	13.59
202.21	13.76
202.22	13.93
202.23	14.10
202.24	14.27
202.25	14.44
202.26	14.62
202.27	14.79
202.28	14.97
202.29	15.14
202.30	15.32
202.31	15.50
202.32	15.68
202.33	15.86
202.34	16.04
202.35	16.22
202.36	16.40
202.37	16.58
202.38	16.77
202.39	16.95
202.40	17.14
202.41	17.32
202.42	17.51
202.43	17.69
202.44	17.88
202.45	18.07
202.46	18.26
202.47	18.45
202.48	18.64
202.49	18.83
202.50	19.02
202.51	19.33
202.52	19.74
202.53	20.21
202.54	20.74
202.55	21.31
202.56	21.92
202.57	22.56
202.58	23.24
202.59	23.96
202.60	24.70
202.61	25.47
202.62	26.27
202.63	27.10
202.64	27.96
202.65	28.83
202.66	29.74
202.67	30.66
202.68	31.61
202.69	32.58
202.70	33.57
202.71	34.62
202.72	35.70
202.73	36.81
202.74	37.94
202.75	39.09
202.76	40.28
202.77	41.48
202.78	42.72
202.79	43.97
202.80	45.26
202.81	46.56
202.82	47.90
202.83	49.26
202.84	50.64
202.85	52.05
202.86	53.48
202.87	54.94
202.88	56.42
202.89	57.92
202.90	59.45
202.91	61.04
202.92	62.65
202.93	64.28
202.94	65.94
202.95	67.63
202.96	69.35
202.97	71.09
202.98	72.86
202.99	74.65
203.00	**76.48**

Stage-Area-Storage for Pond B-54: Basin #54

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
198.00	**5,114**	0	198.52	5,114	2,659
198.01	5,114	51	198.53	5,114	2,710
198.02	5,114	102	198.54	5,114	2,762
198.03	5,114	153	198.55	5,114	2,813
198.04	5,114	205	198.56	5,114	2,864
198.05	5,114	256	198.57	5,114	2,915
198.06	5,114	307	198.58	5,114	2,966
198.07	5,114	358	198.59	5,114	3,017
198.08	5,114	409	198.60	5,114	3,068
198.09	5,114	460	198.61	5,114	3,120
198.10	5,114	511	198.62	5,114	3,171
198.11	5,114	563	198.63	5,114	3,222
198.12	5,114	614	198.64	5,114	3,273
198.13	5,114	665	198.65	5,114	3,324
198.14	5,114	716	198.66	5,114	3,375
198.15	5,114	767	198.67	5,114	3,426
198.16	5,114	818	198.68	5,114	3,478
198.17	5,114	869	198.69	5,114	3,529
198.18	5,114	921	198.70	5,114	3,580
198.19	5,114	972	198.71	5,114	3,631
198.20	5,114	1,023	198.72	5,114	3,682
198.21	5,114	1,074	198.73	5,114	3,733
198.22	5,114	1,125	198.74	5,114	3,784
198.23	5,114	1,176	198.75	5,114	3,836
198.24	5,114	1,227	198.76	5,114	3,887
198.25	5,114	1,279	198.77	5,114	3,938
198.26	5,114	1,330	198.78	5,114	3,989
198.27	5,114	1,381	198.79	5,114	4,040
198.28	5,114	1,432	198.80	5,114	4,091
198.29	5,114	1,483	198.81	5,114	4,142
198.30	5,114	1,534	198.82	5,114	4,193
198.31	5,114	1,585	198.83	5,114	4,245
198.32	5,114	1,636	198.84	5,114	4,296
198.33	5,114	1,688	198.85	5,114	4,347
198.34	5,114	1,739	198.86	5,114	4,398
198.35	5,114	1,790	198.87	5,114	4,449
198.36	5,114	1,841	198.88	5,114	4,500
198.37	5,114	1,892	198.89	5,114	4,551
198.38	5,114	1,943	198.90	5,114	4,603
198.39	5,114	1,994	198.91	5,114	4,654
198.40	5,114	2,046	198.92	5,114	4,705
198.41	5,114	2,097	198.93	5,114	4,756
198.42	5,114	2,148	198.94	5,114	4,807
198.43	5,114	2,199	198.95	5,114	4,858
198.44	5,114	2,250	198.96	5,114	4,909
198.45	5,114	2,301	198.97	5,114	4,961
198.46	5,114	2,352	198.98	5,114	5,012
198.47	5,114	2,404	198.99	5,114	5,063
198.48	5,114	2,455	199.00	5,114	5,114
198.49	5,114	2,506	199.01	5,114	5,165
198.50	5,114	2,557	199.02	5,114	5,216
198.51	5,114	2,608	199.03	5,114	5,267

Stage-Area-Storage for Pond B-54: Basin #54 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
199.04	5,114	5,319	199.56	5,114	7,978
199.05	5,114	5,370	199.57	5,114	8,029
199.06	5,114	5,421	199.58	5,114	8,080
199.07	5,114	5,472	199.59	5,114	8,131
199.08	5,114	5,523	199.60	5,114	8,182
199.09	5,114	5,574	199.61	5,114	8,234
199.10	5,114	5,625	199.62	5,114	8,285
199.11	5,114	5,677	199.63	5,114	8,336
199.12	5,114	5,728	199.64	5,114	8,387
199.13	5,114	5,779	199.65	5,114	8,438
199.14	5,114	5,830	199.66	5,114	8,489
199.15	5,114	5,881	199.67	5,114	8,540
199.16	5,114	5,932	199.68	5,114	8,592
199.17	5,114	5,983	199.69	5,114	8,643
199.18	5,114	6,035	199.70	5,114	8,694
199.19	5,114	6,086	199.71	5,114	8,745
199.20	5,114	6,137	199.72	5,114	8,796
199.21	5,114	6,188	199.73	5,114	8,847
199.22	5,114	6,239	199.74	5,114	8,898
199.23	5,114	6,290	199.75	5,114	8,950
199.24	5,114	6,341	199.76	5,114	9,001
199.25	5,114	6,393	199.77	5,114	9,052
199.26	5,114	6,444	199.78	5,114	9,103
199.27	5,114	6,495	199.79	5,114	9,154
199.28	5,114	6,546	199.80	5,114	9,205
199.29	5,114	6,597	199.81	5,114	9,256
199.30	5,114	6,648	199.82	5,114	9,307
199.31	5,114	6,699	199.83	5,114	9,359
199.32	5,114	6,750	199.84	5,114	9,410
199.33	5,114	6,802	199.85	5,114	9,461
199.34	5,114	6,853	199.86	5,114	9,512
199.35	5,114	6,904	199.87	5,114	9,563
199.36	5,114	6,955	199.88	5,114	9,614
199.37	5,114	7,006	199.89	5,114	9,665
199.38	5,114	7,057	199.90	5,114	9,717
199.39	5,114	7,108	199.91	5,114	9,768
199.40	5,114	7,160	199.92	5,114	9,819
199.41	5,114	7,211	199.93	5,114	9,870
199.42	5,114	7,262	199.94	5,114	9,921
199.43	5,114	7,313	199.95	5,114	9,972
199.44	5,114	7,364	199.96	5,114	10,023
199.45	5,114	7,415	199.97	5,114	10,075
199.46	5,114	7,466	199.98	5,114	10,126
199.47	5,114	7,518	199.99	5,114	10,177
199.48	5,114	7,569	200.00	5,114	10,228
199.49	5,114	7,620	200.01	5,114	10,279
199.50	5,114	7,671	200.02	5,114	10,330
199.51	5,114	7,722	200.03	5,114	10,381
199.52	5,114	7,773	200.04	5,114	10,433
199.53	5,114	7,824	200.05	5,114	10,484
199.54	5,114	7,876	200.06	5,114	10,535
199.55	5,114	7,927	200.07	5,114	10,586

Stage-Area-Storage for Pond B-54: Basin #54 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
200.08	5,114	10,637	200.60	5,114	13,296
200.09	5,114	10,688	200.61	5,114	13,348
200.10	5,114	10,739	200.62	5,114	13,399
200.11	5,114	10,791	200.63	5,114	13,450
200.12	5,114	10,842	200.64	5,114	13,501
200.13	5,114	10,893	200.65	5,114	13,552
200.14	5,114	10,944	200.66	5,114	13,603
200.15	5,114	10,995	200.67	5,114	13,654
200.16	5,114	11,046	200.68	5,114	13,706
200.17	5,114	11,097	200.69	5,114	13,757
200.18	5,114	11,149	200.70	5,114	13,808
200.19	5,114	11,200	200.71	5,114	13,859
200.20	5,114	11,251	200.72	5,114	13,910
200.21	5,114	11,302	200.73	5,114	13,961
200.22	5,114	11,353	200.74	5,114	14,012
200.23	5,114	11,404	200.75	5,114	14,064
200.24	5,114	11,455	200.76	5,114	14,115
200.25	5,114	11,507	200.77	5,114	14,166
200.26	5,114	11,558	200.78	5,114	14,217
200.27	5,114	11,609	200.79	5,114	14,268
200.28	5,114	11,660	200.80	5,114	14,319
200.29	5,114	11,711	200.81	5,114	14,370
200.30	5,114	11,762	200.82	5,114	14,421
200.31	5,114	11,813	200.83	5,114	14,473
200.32	5,114	11,864	200.84	5,114	14,524
200.33	5,114	11,916	200.85	5,114	14,575
200.34	5,114	11,967	200.86	5,114	14,626
200.35	5,114	12,018	200.87	5,114	14,677
200.36	5,114	12,069	200.88	5,114	14,728
200.37	5,114	12,120	200.89	5,114	14,779
200.38	5,114	12,171	200.90	5,114	14,831
200.39	5,114	12,222	200.91	5,114	14,882
200.40	5,114	12,274	200.92	5,114	14,933
200.41	5,114	12,325	200.93	5,114	14,984
200.42	5,114	12,376	200.94	5,114	15,035
200.43	5,114	12,427	200.95	5,114	15,086
200.44	5,114	12,478	200.96	5,114	15,137
200.45	5,114	12,529	200.97	5,114	15,189
200.46	5,114	12,580	200.98	5,114	15,240
200.47	5,114	12,632	200.99	5,114	15,291
200.48	5,114	12,683	201.00	5,114	15,342
200.49	5,114	12,734	201.01	5,114	15,393
200.50	5,114	12,785	201.02	5,114	15,444
200.51	5,114	12,836	201.03	5,114	15,495
200.52	5,114	12,887	201.04	5,114	15,547
200.53	5,114	12,938	201.05	5,114	15,598
200.54	5,114	12,990	201.06	5,114	15,649
200.55	5,114	13,041	201.07	5,114	15,700
200.56	5,114	13,092	201.08	5,114	15,751
200.57	5,114	13,143	201.09	5,114	15,802
200.58	5,114	13,194	201.10	5,114	15,853
200.59	5,114	13,245	201.11	5,114	15,905

Stage-Area-Storage for Pond B-54: Basin #54 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
201.12	5,114	15,956	201.64	5,114	18,615
201.13	5,114	16,007	201.65	5,114	18,666
201.14	5,114	16,058	201.66	5,114	18,717
201.15	5,114	16,109	201.67	5,114	18,768
201.16	5,114	16,160	201.68	5,114	18,820
201.17	5,114	16,211	201.69	5,114	18,871
201.18	5,114	16,263	201.70	5,114	18,922
201.19	5,114	16,314	201.71	5,114	18,973
201.20	5,114	16,365	201.72	5,114	19,024
201.21	5,114	16,416	201.73	5,114	19,075
201.22	5,114	16,467	201.74	5,114	19,126
201.23	5,114	16,518	201.75	5,114	19,178
201.24	5,114	16,569	201.76	5,114	19,229
201.25	5,114	16,621	201.77	5,114	19,280
201.26	5,114	16,672	201.78	5,114	19,331
201.27	5,114	16,723	201.79	5,114	19,382
201.28	5,114	16,774	201.80	5,114	19,433
201.29	5,114	16,825	201.81	5,114	19,484
201.30	5,114	16,876	201.82	5,114	19,535
201.31	5,114	16,927	201.83	5,114	19,587
201.32	5,114	16,978	201.84	5,114	19,638
201.33	5,114	17,030	201.85	5,114	19,689
201.34	5,114	17,081	201.86	5,114	19,740
201.35	5,114	17,132	201.87	5,114	19,791
201.36	5,114	17,183	201.88	5,114	19,842
201.37	5,114	17,234	201.89	5,114	19,893
201.38	5,114	17,285	201.90	5,114	19,945
201.39	5,114	17,336	201.91	5,114	19,996
201.40	5,114	17,388	201.92	5,114	20,047
201.41	5,114	17,439	201.93	5,114	20,098
201.42	5,114	17,490	201.94	5,114	20,149
201.43	5,114	17,541	201.95	5,114	20,200
201.44	5,114	17,592	201.96	5,114	20,251
201.45	5,114	17,643	201.97	5,114	20,303
201.46	5,114	17,694	201.98	5,114	20,354
201.47	5,114	17,746	201.99	5,114	20,405
201.48	5,114	17,797	202.00	5,114	20,456
201.49	5,114	17,848	202.01	5,114	20,507
201.50	5,114	17,899	202.02	5,114	20,558
201.51	5,114	17,950	202.03	5,114	20,609
201.52	5,114	18,001	202.04	5,114	20,661
201.53	5,114	18,052	202.05	5,114	20,712
201.54	5,114	18,104	202.06	5,114	20,763
201.55	5,114	18,155	202.07	5,114	20,814
201.56	5,114	18,206	202.08	5,114	20,865
201.57	5,114	18,257	202.09	5,114	20,916
201.58	5,114	18,308	202.10	5,114	20,967
201.59	5,114	18,359	202.11	5,114	21,019
201.60	5,114	18,410	202.12	5,114	21,070
201.61	5,114	18,462	202.13	5,114	21,121
201.62	5,114	18,513	202.14	5,114	21,172
201.63	5,114	18,564	202.15	5,114	21,223

Stage-Area-Storage for Pond B-54: Basin #54 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
202.16	5,114	21,274
202.17	5,114	21,325
202.18	5,114	21,377
202.19	5,114	21,428
202.20	5,114	21,479
202.21	5,114	21,530
202.22	5,114	21,581
202.23	5,114	21,632
202.24	5,114	21,683
202.25	5,114	21,735
202.26	5,114	21,786
202.27	5,114	21,837
202.28	5,114	21,888
202.29	5,114	21,939
202.30	5,114	21,990
202.31	5,114	22,041
202.32	5,114	22,092
202.33	5,114	22,144
202.34	5,114	22,195
202.35	5,114	22,246
202.36	5,114	22,297
202.37	5,114	22,348
202.38	5,114	22,399
202.39	5,114	22,450
202.40	5,114	22,502
202.41	5,114	22,553
202.42	5,114	22,604
202.43	5,114	22,655
202.44	5,114	22,706
202.45	5,114	22,757
202.46	5,114	22,808
202.47	5,114	22,860
202.48	5,114	22,911
202.49	5,114	22,962
202.50	5,114	23,013
202.51	5,114	23,064
202.52	5,114	23,115
202.53	5,114	23,166
202.54	5,114	23,218
202.55	5,114	23,269
202.56	5,114	23,320
202.57	5,114	23,371
202.58	5,114	23,422
202.59	5,114	23,473
202.60	5,114	23,524
202.61	5,114	23,576
202.62	5,114	23,627
202.63	5,114	23,678
202.64	5,114	23,729
202.65	5,114	23,780
202.66	5,114	23,831
202.67	5,114	23,882
202.68	5,114	23,934
202.69	5,114	23,985
202.70	5,114	24,036
202.71	5,114	24,087
202.72	5,114	24,138
202.73	5,114	24,189
202.74	5,114	24,240
202.75	5,114	24,292
202.76	5,114	24,343
202.77	5,114	24,394
202.78	5,114	24,445
202.79	5,114	24,496
202.80	5,114	24,547
202.81	5,114	24,598
202.82	5,114	24,649
202.83	5,114	24,701
202.84	5,114	24,752
202.85	5,114	24,803
202.86	5,114	24,854
202.87	5,114	24,905
202.88	5,114	24,956
202.89	5,114	25,007
202.90	5,114	25,059
202.91	5,114	25,110
202.92	5,114	25,161
202.93	5,114	25,212
202.94	5,114	25,263
202.95	5,114	25,314
202.96	5,114	25,365
202.97	5,114	25,417
202.98	5,114	25,468
202.99	5,114	25,519
203.00	5,114	**25,570**

Summary for Pond B-55: Basin #55

Inflow Area = 2.301 ac, 47.33% Impervious, Inflow Depth = 4.23" for Future 10 yr event
Inflow = 12.77 cfs @ 12.08 hrs, Volume= 0.811 af
Outflow = 8.15 cfs @ 12.15 hrs, Volume= 0.710 af, Atten= 36%, Lag= 4.0 min
Primary = 8.15 cfs @ 12.15 hrs, Volume= 0.710 af
Routed to Pond B-51 : Basin #51

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 194.43' @ 12.15 hrs Surf.Area= 5,483 sf Storage= 11,800 cf

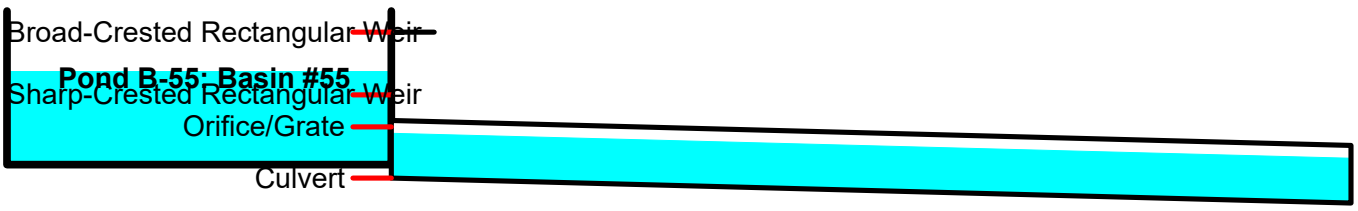
Plug-Flow detention time= 138.2 min calculated for 0.710 af (88% of inflow)
Center-of-Mass det. time= 76.8 min (852.7 - 776.0)

Volume	Invert	Avail.Storage	Storage Description
#1	192.00'	21,076 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

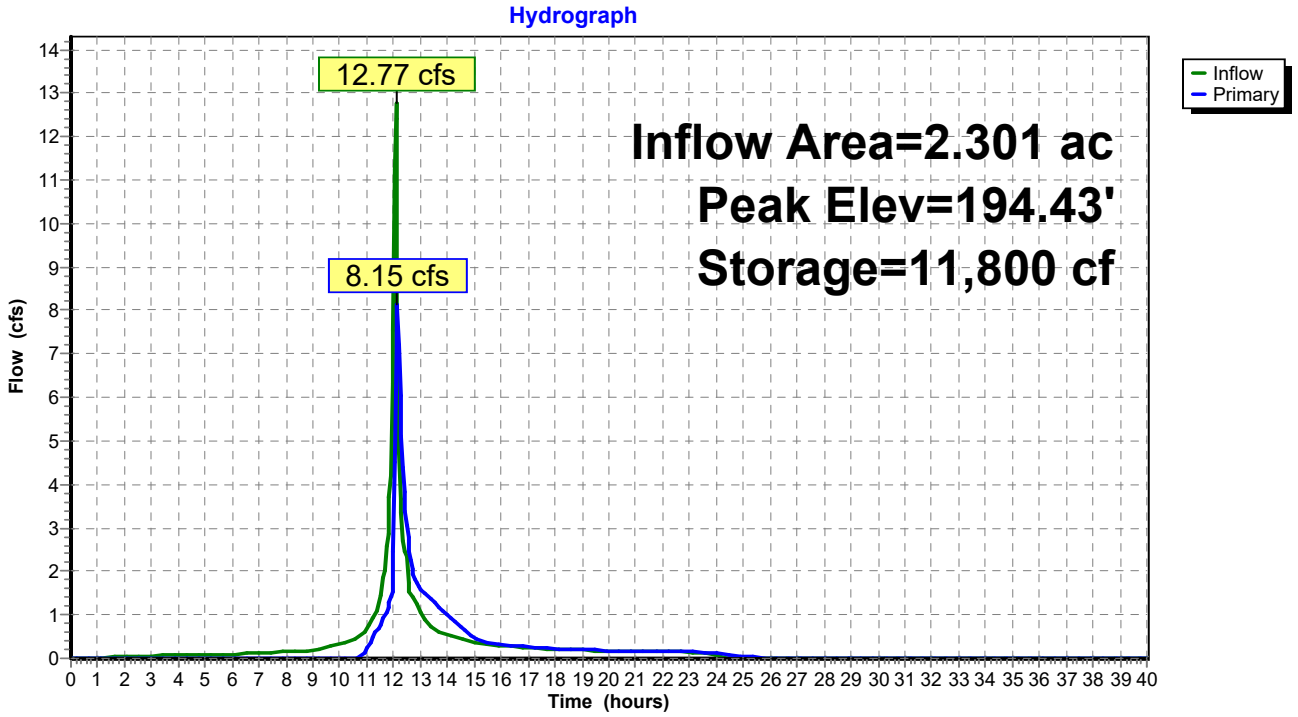
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
192.00	4,250	0	0
193.00	4,746	4,498	4,498
194.00	5,257	5,002	9,500
195.00	5,784	5,521	15,020
196.00	6,327	6,056	21,076

Device	Routing	Invert	Outlet Devices
#1	Primary	191.65'	**18.0" Round Culvert** L= 112.0' Ke= 0.500 Inlet / Outlet Invert= 191.65' / 191.00' S= 0.0058 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	192.98'	**22.0" W x 2.5" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	193.82'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	195.45'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=8.15 cfs @ 12.15 hrs HW=194.43' (Free Discharge)
- **1=Culvert** (Passes 8.15 cfs of 10.45 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 2.13 cfs @ 5.58 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 6.01 cfs @ 2.55 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-55: Basin #55



Hydrograph for Pond B-55: Basin #55

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	192.00	0.00
0.10	0.00	0	192.00	0.00
0.20	0.00	0	192.00	0.00
0.30	0.00	0	192.00	0.00
0.40	0.00	0	192.00	0.00
0.50	0.00	0	192.00	0.00
0.60	0.00	0	192.00	0.00
0.70	0.00	0	192.00	0.00
0.80	0.00	1	192.00	0.00
0.90	0.01	3	192.00	0.00
1.00	0.01	7	192.00	0.00
1.10	0.02	12	192.00	0.00
1.20	0.02	18	192.00	0.00
1.30	0.02	25	192.01	0.00
1.40	0.02	34	192.01	0.00
1.50	0.03	43	192.01	0.00
1.60	0.03	53	192.01	0.00
1.70	0.03	64	192.02	0.00
1.80	0.03	77	192.02	0.00
1.90	0.04	90	192.02	0.00
2.00	0.04	103	192.02	0.00
2.10	0.04	118	192.03	0.00
2.20	0.04	133	192.03	0.00
2.30	0.05	149	192.04	0.00
2.40	0.05	166	192.04	0.00
2.50	0.05	183	192.04	0.00
2.60	0.05	201	192.05	0.00
2.70	0.05	220	192.05	0.00
2.80	0.05	239	192.06	0.00
2.90	0.06	259	192.06	0.00
3.00	0.06	280	192.07	0.00
3.10	0.06	301	192.07	0.00
3.20	0.06	322	192.08	0.00
3.30	0.06	344	192.08	0.00
3.40	0.06	367	192.09	0.00
3.50	0.07	390	192.09	0.00
3.60	0.07	413	192.10	0.00
3.70	0.07	437	192.10	0.00
3.80	0.07	462	192.11	0.00
3.90	0.07	487	192.11	0.00
4.00	0.07	512	192.12	0.00
4.10	0.07	538	192.13	0.00
4.20	0.07	564	192.13	0.00
4.30	0.07	591	192.14	0.00
4.40	0.08	618	192.14	0.00
4.50	0.08	645	192.15	0.00
4.60	0.08	673	192.16	0.00
4.70	0.08	701	192.16	0.00
4.80	0.08	730	192.17	0.00
4.90	0.08	759	192.18	0.00
5.00	0.08	788	192.18	0.00
5.10	0.08	818	192.19	0.00

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.08	848	192.20	0.00
5.30	0.08	878	192.20	0.00
5.40	0.09	909	192.21	0.00
5.50	0.09	940	192.22	0.00
5.60	0.09	972	192.23	0.00
5.70	0.09	1,003	192.23	0.00
5.80	0.09	1,035	192.24	0.00
5.90	0.09	1,068	192.25	0.00
6.00	0.09	1,101	192.26	0.00
6.10	0.09	1,134	192.26	0.00
6.20	0.10	1,169	192.27	0.00
6.30	0.10	1,204	192.28	0.00
6.40	0.10	1,240	192.29	0.00
6.50	0.10	1,278	192.30	0.00
6.60	0.11	1,316	192.30	0.00
6.70	0.11	1,355	192.31	0.00
6.80	0.11	1,395	192.32	0.00
6.90	0.12	1,436	192.33	0.00
7.00	0.12	1,478	192.34	0.00
7.10	0.12	1,521	192.35	0.00
7.20	0.12	1,565	192.36	0.00
7.30	0.13	1,610	192.37	0.00
7.40	0.13	1,656	192.38	0.00
7.50	0.13	1,703	192.39	0.00
7.60	0.13	1,750	192.40	0.00
7.70	0.14	1,799	192.41	0.00
7.80	0.14	1,849	192.42	0.00
7.90	0.14	1,899	192.44	0.00
8.00	0.14	1,951	192.45	0.00
8.10	0.15	2,004	192.46	0.00
8.20	0.15	2,058	192.47	0.00
8.30	0.16	2,113	192.48	0.00
8.40	0.16	2,170	192.50	0.00
8.50	0.16	2,228	192.51	0.00
8.60	0.17	2,289	192.52	0.00
8.70	0.17	2,350	192.54	0.00
8.80	0.18	2,413	192.55	0.00
8.90	0.18	2,478	192.56	0.00
9.00	0.19	2,545	192.58	0.00
9.10	0.20	2,614	192.59	0.00
9.20	0.21	2,688	192.61	0.00
9.30	0.22	2,766	192.63	0.00
9.40	0.24	2,849	192.65	0.00
9.50	0.25	2,937	192.67	0.00
9.60	0.26	3,030	192.69	0.00
9.70	0.28	3,127	192.71	0.00
9.80	0.29	3,229	192.73	0.00
9.90	0.31	3,337	192.75	0.00
10.00	0.32	3,450	192.78	0.00
10.10	0.33	3,568	192.80	0.00
10.20	0.35	3,691	192.83	0.00
10.30	0.37	3,820	192.86	0.00

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.38	3,955	192.88	0.00
10.50	0.40	4,095	192.91	0.00
10.60	0.45	4,249	192.95	0.00
10.70	0.50	4,420	192.98	0.00
10.80	0.55	4,602	193.02	0.05
10.90	0.61	4,780	193.06	0.13
11.00	0.67	4,946	193.09	0.23
11.10	0.77	5,105	193.13	0.33
11.20	0.87	5,262	193.16	0.45
11.30	0.98	5,416	193.19	0.57
11.40	1.09	5,570	193.22	0.66
11.50	1.21	5,730	193.26	0.75
11.60	1.87	6,015	193.31	0.87
11.70	2.05	6,383	193.39	1.01
11.80	2.88	6,901	193.49	1.17
11.90	4.19	7,742	193.66	1.39
12.00	7.52	9,314	193.96	2.44
12.10	**12.42**	**11,449**	**194.36**	**7.19**
12.20	4.71	**11,456**	**194.37**	**7.21**
12.30	3.33	10,640	194.21	5.14
12.40	2.47	10,048	194.10	3.81
12.50	2.31	9,678	194.03	3.07
12.60	1.53	9,336	193.97	2.48
12.70	1.43	9,053	193.91	2.06
12.80	1.30	8,846	193.87	1.81
12.90	1.18	8,669	193.84	1.64
13.00	1.06	8,493	193.81	1.56
13.10	0.94	8,292	193.77	1.52
13.20	0.87	8,075	193.73	1.47
13.30	0.80	7,853	193.68	1.42
13.40	0.73	7,625	193.64	1.37
13.50	0.67	7,393	193.59	1.31
13.60	0.60	7,159	193.54	1.25
13.70	0.58	6,935	193.50	1.18
13.80	0.57	6,726	193.46	1.12
13.90	0.55	6,533	193.42	1.06
14.00	0.53	6,356	193.38	1.00
14.10	0.51	6,193	193.35	0.94
14.20	0.50	6,045	193.32	0.89
14.30	0.48	5,911	193.29	0.83
14.40	0.46	5,790	193.27	0.78
14.50	0.44	5,682	193.25	0.73
14.60	0.43	5,586	193.23	0.67
14.70	0.41	5,501	193.21	0.62
14.80	0.39	5,428	193.19	0.58
14.90	0.37	5,365	193.18	0.53
15.00	0.35	5,313	193.17	0.49
15.10	0.34	5,268	193.16	0.45
15.20	0.33	5,230	193.15	0.42
15.30	0.33	5,200	193.15	0.40
15.40	0.32	5,175	193.14	0.38
15.50	0.32	5,155	193.14	0.37

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.31	5,138	193.13	0.36
15.70	0.31	5,123	193.13	0.35
15.80	0.30	5,110	193.13	0.34
15.90	0.30	5,099	193.13	0.33
16.00	0.29	5,089	193.12	0.32
16.10	0.29	5,080	193.12	0.31
16.20	0.29	5,071	193.12	0.31
16.30	0.28	5,063	193.12	0.30
16.40	0.28	5,055	193.12	0.30
16.50	0.27	5,047	193.11	0.29
16.60	0.27	5,039	193.11	0.29
16.70	0.26	5,032	193.11	0.28
16.80	0.26	5,024	193.11	0.28
16.90	0.25	5,016	193.11	0.27
17.00	0.25	5,009	193.11	0.27
17.10	0.24	5,001	193.11	0.26
17.20	0.24	4,994	193.10	0.26
17.30	0.23	4,986	193.10	0.25
17.40	0.23	4,978	193.10	0.25
17.50	0.22	4,971	193.10	0.24
17.60	0.22	4,964	193.10	0.24
17.70	0.21	4,956	193.10	0.24
17.80	0.21	4,949	193.09	0.23
17.90	0.21	4,941	193.09	0.23
18.00	0.20	4,934	193.09	0.22
18.10	0.20	4,926	193.09	0.22
18.20	0.19	4,919	193.09	0.21
18.30	0.19	4,914	193.09	0.21
18.40	0.19	4,909	193.09	0.20
18.50	0.19	4,904	193.09	0.20
18.60	0.19	4,901	193.08	0.20
18.70	0.19	4,897	193.08	0.20
18.80	0.19	4,894	193.08	0.20
18.90	0.19	4,891	193.08	0.19
19.00	0.19	4,889	193.08	0.19
19.10	0.18	4,886	193.08	0.19
19.20	0.18	4,884	193.08	0.19
19.30	0.18	4,882	193.08	0.19
19.40	0.18	4,879	193.08	0.19
19.50	0.18	4,877	193.08	0.19
19.60	0.18	4,875	193.08	0.18
19.70	0.18	4,873	193.08	0.18
19.80	0.18	4,871	193.08	0.18
19.90	0.17	4,869	193.08	0.18
20.00	0.17	4,867	193.08	0.18
20.10	0.17	4,864	193.08	0.18
20.20	0.17	4,862	193.08	0.18
20.30	0.17	4,860	193.08	0.18
20.40	0.17	4,858	193.08	0.17
20.50	0.17	4,855	193.07	0.17
20.60	0.17	4,853	193.07	0.17
20.70	0.17	4,851	193.07	0.17

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.16	4,849	193.07	0.17
20.90	0.16	4,846	193.07	0.17
21.00	0.16	4,844	193.07	0.17
21.10	0.16	4,842	193.07	0.17
21.20	0.16	4,840	193.07	0.17
21.30	0.16	4,837	193.07	0.16
21.40	0.16	4,835	193.07	0.16
21.50	0.16	4,833	193.07	0.16
21.60	0.15	4,831	193.07	0.16
21.70	0.15	4,828	193.07	0.16
21.80	0.15	4,826	193.07	0.16
21.90	0.15	4,824	193.07	0.16
22.00	0.15	4,821	193.07	0.16
22.10	0.15	4,819	193.07	0.15
22.20	0.15	4,817	193.07	0.15
22.30	0.15	4,815	193.07	0.15
22.40	0.14	4,812	193.07	0.15
22.50	0.14	4,810	193.07	0.15
22.60	0.14	4,808	193.07	0.15
22.70	0.14	4,806	193.06	0.15
22.80	0.14	4,803	193.06	0.15
22.90	0.14	4,801	193.06	0.15
23.00	0.14	4,799	193.06	0.14
23.10	0.14	4,796	193.06	0.14
23.20	0.14	4,794	193.06	0.14
23.30	0.13	4,792	193.06	0.14
23.40	0.13	4,789	193.06	0.14
23.50	0.13	4,787	193.06	0.14
23.60	0.13	4,785	193.06	0.14
23.70	0.13	4,783	193.06	0.14
23.80	0.13	4,780	193.06	0.13
23.90	0.13	4,778	193.06	0.13
24.00	0.15	4,782	193.06	0.14
24.10	0.00	4,756	193.05	0.12
24.20	0.00	4,716	193.05	0.10
24.30	0.00	4,683	193.04	0.08
24.40	0.00	4,654	193.03	0.07
24.50	0.00	4,629	193.03	0.06
24.60	0.00	4,607	193.02	0.06
24.70	0.00	4,588	193.02	0.05
24.80	0.00	4,571	193.02	0.04
24.90	0.00	4,557	193.01	0.04
25.00	0.00	4,544	193.01	0.03
25.10	0.00	4,533	193.01	0.03
25.20	0.00	4,523	193.01	0.03
25.30	0.00	4,514	193.00	0.02
25.40	0.00	4,506	193.00	0.02
25.50	0.00	4,500	193.00	0.02
25.60	0.00	4,494	193.00	0.02
25.70	0.00	4,488	193.00	0.01
25.80	0.00	4,483	193.00	0.01
25.90	0.00	4,478	193.00	0.01

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	4,474	192.99	0.01
26.10	0.00	4,469	192.99	0.01
26.20	0.00	4,465	192.99	0.01
26.30	0.00	4,461	192.99	0.01
26.40	0.00	4,458	192.99	0.01
26.50	0.00	4,454	192.99	0.01
26.60	0.00	4,451	192.99	0.01
26.70	0.00	4,448	192.99	0.01
26.80	0.00	4,446	192.99	0.01
26.90	0.00	4,443	192.99	0.01
27.00	0.00	4,441	192.99	0.01
27.10	0.00	4,438	192.99	0.01
27.20	0.00	4,436	192.99	0.01
27.30	0.00	4,434	192.99	0.01
27.40	0.00	4,432	192.99	0.01
27.50	0.00	4,430	192.99	0.00
27.60	0.00	4,429	192.99	0.00
27.70	0.00	4,427	192.99	0.00
27.80	0.00	4,426	192.98	0.00
27.90	0.00	4,424	192.98	0.00
28.00	0.00	4,423	192.98	0.00
28.10	0.00	4,422	192.98	0.00
28.20	0.00	4,421	192.98	0.00
28.30	0.00	4,420	192.98	0.00
28.40	0.00	4,419	192.98	0.00
28.50	0.00	4,418	192.98	0.00
28.60	0.00	4,417	192.98	0.00
28.70	0.00	4,416	192.98	0.00
28.80	0.00	4,415	192.98	0.00
28.90	0.00	4,414	192.98	0.00
29.00	0.00	4,414	192.98	0.00
29.10	0.00	4,413	192.98	0.00
29.20	0.00	4,412	192.98	0.00
29.30	0.00	4,412	192.98	0.00
29.40	0.00	4,411	192.98	0.00
29.50	0.00	4,411	192.98	0.00
29.60	0.00	4,410	192.98	0.00
29.70	0.00	4,410	192.98	0.00
29.80	0.00	4,410	192.98	0.00
29.90	0.00	4,409	192.98	0.00
30.00	0.00	4,409	192.98	0.00
30.10	0.00	4,408	192.98	0.00
30.20	0.00	4,408	192.98	0.00
30.30	0.00	4,408	192.98	0.00
30.40	0.00	4,408	192.98	0.00
30.50	0.00	4,407	192.98	0.00
30.60	0.00	4,407	192.98	0.00
30.70	0.00	4,407	192.98	0.00
30.80	0.00	4,407	192.98	0.00
30.90	0.00	4,406	192.98	0.00
31.00	0.00	4,406	192.98	0.00
31.10	0.00	4,406	192.98	0.00

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	4,406	192.98	0.00
31.30	0.00	4,406	192.98	0.00
31.40	0.00	4,405	192.98	0.00
31.50	0.00	4,405	192.98	0.00
31.60	0.00	4,405	192.98	0.00
31.70	0.00	4,405	192.98	0.00
31.80	0.00	4,405	192.98	0.00
31.90	0.00	4,405	192.98	0.00
32.00	0.00	4,405	192.98	0.00
32.10	0.00	4,405	192.98	0.00
32.20	0.00	4,405	192.98	0.00
32.30	0.00	4,404	192.98	0.00
32.40	0.00	4,404	192.98	0.00
32.50	0.00	4,404	192.98	0.00
32.60	0.00	4,404	192.98	0.00
32.70	0.00	4,404	192.98	0.00
32.80	0.00	4,404	192.98	0.00
32.90	0.00	4,404	192.98	0.00
33.00	0.00	4,404	192.98	0.00
33.10	0.00	4,404	192.98	0.00
33.20	0.00	4,404	192.98	0.00
33.30	0.00	4,404	192.98	0.00
33.40	0.00	4,404	192.98	0.00
33.50	0.00	4,404	192.98	0.00
33.60	0.00	4,404	192.98	0.00
33.70	0.00	4,404	192.98	0.00
33.80	0.00	4,404	192.98	0.00
33.90	0.00	4,404	192.98	0.00
34.00	0.00	4,404	192.98	0.00
34.10	0.00	4,404	192.98	0.00
34.20	0.00	4,404	192.98	0.00
34.30	0.00	4,404	192.98	0.00
34.40	0.00	4,404	192.98	0.00
34.50	0.00	4,404	192.98	0.00
34.60	0.00	4,403	192.98	0.00
34.70	0.00	4,403	192.98	0.00
34.80	0.00	4,403	192.98	0.00
34.90	0.00	4,403	192.98	0.00
35.00	0.00	4,403	192.98	0.00
35.10	0.00	4,403	192.98	0.00
35.20	0.00	4,403	192.98	0.00
35.30	0.00	4,403	192.98	0.00
35.40	0.00	4,403	192.98	0.00
35.50	0.00	4,403	192.98	0.00
35.60	0.00	4,403	192.98	0.00
35.70	0.00	4,403	192.98	0.00
35.80	0.00	4,403	192.98	0.00
35.90	0.00	4,403	192.98	0.00
36.00	0.00	4,403	192.98	0.00
36.10	0.00	4,403	192.98	0.00
36.20	0.00	4,403	192.98	0.00
36.30	0.00	4,403	192.98	0.00

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	4,403	192.98	0.00
36.50	0.00	4,403	192.98	0.00
36.60	0.00	4,403	192.98	0.00
36.70	0.00	4,403	192.98	0.00
36.80	0.00	4,403	192.98	0.00
36.90	0.00	4,403	192.98	0.00
37.00	0.00	4,403	192.98	0.00
37.10	0.00	4,403	192.98	0.00
37.20	0.00	4,403	192.98	0.00
37.30	0.00	4,403	192.98	0.00
37.40	0.00	4,403	192.98	0.00
37.50	0.00	4,403	192.98	0.00
37.60	0.00	4,403	192.98	0.00
37.70	0.00	4,403	192.98	0.00
37.80	0.00	4,403	192.98	0.00
37.90	0.00	4,403	192.98	0.00
38.00	0.00	4,403	192.98	0.00
38.10	0.00	4,403	192.98	0.00
38.20	0.00	4,403	192.98	0.00
38.30	0.00	4,403	192.98	0.00
38.40	0.00	4,403	192.98	0.00
38.50	0.00	4,403	192.98	0.00
38.60	0.00	4,403	192.98	0.00
38.70	0.00	4,403	192.98	0.00
38.80	0.00	4,403	192.98	0.00
38.90	0.00	4,403	192.98	0.00
39.00	0.00	4,403	192.98	0.00
39.10	0.00	4,403	192.98	0.00
39.20	0.00	4,403	192.98	0.00
39.30	0.00	4,403	192.98	0.00
39.40	0.00	4,403	192.98	0.00
39.50	0.00	4,403	192.98	0.00
39.60	0.00	4,403	192.98	0.00
39.70	0.00	4,403	192.98	0.00
39.80	0.00	4,403	192.98	0.00
39.90	0.00	4,403	192.98	0.00
40.00	0.00	4,403	192.98	0.00

Stage-Discharge for Pond B-55: Basin #55

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
192.00	0.00	192.52	0.00	193.04	0.09	193.56	1.27
192.01	0.00	192.53	0.00	193.05	0.11	193.57	1.28
192.02	0.00	192.54	0.00	193.06	0.13	193.58	1.29
192.03	0.00	192.55	0.00	193.07	0.16	193.59	1.31
192.04	0.00	192.56	0.00	193.08	0.19	193.60	1.32
192.05	0.00	192.57	0.00	193.09	0.21	193.61	1.33
192.06	0.00	192.58	0.00	193.10	0.24	193.62	1.34
192.07	0.00	192.59	0.00	193.11	0.28	193.63	1.36
192.08	0.00	192.60	0.00	193.12	0.31	193.64	1.37
192.09	0.00	192.61	0.00	193.13	0.34	193.65	1.38
192.10	0.00	192.62	0.00	193.14	0.38	193.66	1.39
192.11	0.00	192.63	0.00	193.15	0.41	193.67	1.41
192.12	0.00	192.64	0.00	193.16	0.45	193.68	1.42
192.13	0.00	192.65	0.00	193.17	0.49	193.69	1.43
192.14	0.00	192.66	0.00	193.18	0.53	193.70	1.44
192.15	0.00	192.67	0.00	193.19	0.57	193.71	1.45
192.16	0.00	192.68	0.00	193.20	0.60	193.72	1.46
192.17	0.00	192.69	0.00	193.21	0.63	193.73	1.48
192.18	0.00	192.70	0.00	193.22	0.66	193.74	1.49
192.19	0.00	192.71	0.00	193.23	0.69	193.75	1.50
192.20	0.00	192.72	0.00	193.24	0.71	193.76	1.51
192.21	0.00	192.73	0.00	193.25	0.74	193.77	1.52
192.22	0.00	192.74	0.00	193.26	0.76	193.78	1.53
192.23	0.00	192.75	0.00	193.27	0.78	193.79	1.54
192.24	0.00	192.76	0.00	193.28	0.80	193.80	1.55
192.25	0.00	192.77	0.00	193.29	0.82	193.81	1.57
192.26	0.00	192.78	0.00	193.30	0.85	193.82	1.58
192.27	0.00	192.79	0.00	193.31	0.87	193.83	1.60
192.28	0.00	192.80	0.00	193.32	0.89	193.84	1.63
192.29	0.00	192.81	0.00	193.33	0.90	193.85	1.68
192.30	0.00	192.82	0.00	193.34	0.92	193.86	1.72
192.31	0.00	192.83	0.00	193.35	0.94	193.87	1.77
192.32	0.00	192.84	0.00	193.36	0.96	193.88	1.83
192.33	0.00	192.85	0.00	193.37	0.98	193.89	1.89
192.34	0.00	192.86	0.00	193.38	0.99	193.90	1.95
192.35	0.00	192.87	0.00	193.39	1.01	193.91	2.02
192.36	0.00	192.88	0.00	193.40	1.03	193.92	2.09
192.37	0.00	192.89	0.00	193.41	1.05	193.93	2.16
192.38	0.00	192.90	0.00	193.42	1.06	193.94	2.24
192.39	0.00	192.91	0.00	193.43	1.08	193.95	2.32
192.40	0.00	192.92	0.00	193.44	1.09	193.96	2.40
192.41	0.00	192.93	0.00	193.45	1.11	193.97	2.48
192.42	0.00	192.94	0.00	193.46	1.12	193.98	2.57
192.43	0.00	192.95	0.00	193.47	1.14	193.99	2.66
192.44	0.00	192.96	0.00	193.48	1.15	194.00	2.75
192.45	0.00	192.97	0.00	193.49	1.17	194.01	2.84
192.46	0.00	192.98	0.00	193.50	1.18	194.02	2.94
192.47	0.00	192.99	0.01	193.51	1.20	194.03	3.03
192.48	0.00	193.00	0.02	193.52	1.21	194.04	3.13
192.49	0.00	193.01	0.03	193.53	1.23	194.05	3.23
192.50	0.00	193.02	0.05	193.54	1.24	194.06	3.34
192.51	0.00	193.03	0.07	193.55	1.25	194.07	3.44

Stage-Discharge for Pond B-55: Basin #55 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
194.08	3.55	194.60	10.91	195.12	12.19	195.64	23.12
194.09	3.65	194.61	10.94	195.13	12.21	195.65	23.93
194.10	3.76	194.62	10.96	195.14	12.23	195.66	24.79
194.11	3.87	194.63	10.99	195.15	12.26	195.67	25.69
194.12	3.99	194.64	11.01	195.16	12.28	195.68	26.61
194.13	4.10	194.65	11.04	195.17	12.30	195.69	27.55
194.14	4.22	194.66	11.06	195.18	12.32	195.70	28.52
194.15	4.34	194.67	11.09	195.19	12.35	195.71	29.52
194.16	4.46	194.68	11.12	195.20	12.37	195.72	30.53
194.17	4.58	194.69	11.14	195.21	12.39	195.73	31.58
194.18	4.70	194.70	11.17	195.22	12.42	195.74	32.65
194.19	4.82	194.71	11.19	195.23	12.44	195.75	33.74
194.20	4.95	194.72	11.22	195.24	12.46	195.76	34.86
194.21	5.07	194.73	11.24	195.25	12.48	195.77	36.00
194.22	5.20	194.74	11.27	195.26	12.51	195.78	37.17
194.23	5.33	194.75	11.29	195.27	12.53	195.79	38.36
194.24	5.46	194.76	11.32	195.28	12.55	195.80	39.57
194.25	5.59	194.77	11.34	195.29	12.58	195.81	40.81
194.26	5.73	194.78	11.37	195.30	12.60	195.82	42.08
194.27	5.86	194.79	11.39	195.31	12.62	195.83	43.36
194.28	6.00	194.80	11.42	195.32	12.64	195.84	44.67
194.29	6.13	194.81	11.44	195.33	12.66	195.85	46.01
194.30	6.27	194.82	11.47	195.34	12.69	195.86	47.40
194.31	6.41	194.83	11.49	195.35	12.71	195.87	48.81
194.32	6.55	194.84	11.52	195.36	12.73	195.88	50.25
194.33	6.69	194.85	11.54	195.37	12.75	195.89	51.71
194.34	6.84	194.86	11.57	195.38	12.78	195.90	53.20
194.35	6.98	194.87	11.59	195.39	12.80	195.91	54.72
194.36	7.13	194.88	11.61	195.40	12.82	195.92	56.26
194.37	7.27	194.89	11.64	195.41	12.84	195.93	57.83
194.38	7.42	194.90	11.66	195.42	12.86	195.94	59.43
194.39	7.57	194.91	11.69	195.43	12.89	195.95	61.05
194.40	7.72	194.92	11.71	195.44	12.91	195.96	62.70
194.41	7.87	194.93	11.74	195.45	12.93	195.97	64.37
194.42	8.02	194.94	11.76	195.46	13.07	195.98	66.07
194.43	8.17	194.95	11.78	195.47	13.31	195.99	67.80
194.44	8.33	194.96	11.81	195.48	13.61	196.00	**69.56**
194.45	8.48	194.97	11.83	195.49	13.96		
194.46	8.64	194.98	11.86	195.50	14.35		
194.47	8.80	194.99	11.88	195.51	14.79		
194.48	8.95	195.00	11.90	195.52	15.26		
194.49	9.11	195.01	11.93	195.53	15.76		
194.50	9.27	195.02	11.95	195.54	16.30		
194.51	9.43	195.03	11.97	195.55	16.87		
194.52	9.60	195.04	12.00	195.56	17.46		
194.53	9.76	195.05	12.02	195.57	18.08		
194.54	9.92	195.06	12.05	195.58	18.73		
194.55	10.09	195.07	12.07	195.59	19.40		
194.56	10.25	195.08	12.09	195.60	20.10		
194.57	10.42	195.09	12.12	195.61	20.82		
194.58	10.59	195.10	12.14	195.62	21.57		
194.59	10.75	195.11	12.16	195.63	22.33		

Stage-Area-Storage for Pond B-55: Basin #55

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
192.00	4,250	0	192.52	4,508	2,277
192.01	4,255	43	192.53	4,513	2,322
192.02	4,260	85	192.54	4,518	2,367
192.03	4,265	128	192.55	4,523	2,413
192.04	4,270	170	192.56	4,528	2,458
192.05	4,275	213	192.57	4,533	2,503
192.06	4,280	256	192.58	4,538	2,548
192.07	4,285	299	192.59	4,543	2,594
192.08	4,290	342	192.60	4,548	2,639
192.09	4,295	385	192.61	4,553	2,685
192.10	4,300	427	192.62	4,558	2,730
192.11	4,305	471	192.63	4,562	2,776
192.12	4,310	514	192.64	4,567	2,822
192.13	4,314	557	192.65	4,572	2,867
192.14	4,319	600	192.66	4,577	2,913
192.15	4,324	643	192.67	4,582	2,959
192.16	4,329	686	192.68	4,587	3,005
192.17	4,334	730	192.69	4,592	3,051
192.18	4,339	773	192.70	4,597	3,097
192.19	4,344	816	192.71	4,602	3,143
192.20	4,349	860	192.72	4,607	3,189
192.21	4,354	903	192.73	4,612	3,235
192.22	4,359	947	192.74	4,617	3,281
192.23	4,364	991	192.75	4,622	3,327
192.24	4,369	1,034	192.76	4,627	3,373
192.25	4,374	1,078	192.77	4,632	3,420
192.26	4,379	1,122	192.78	4,637	3,466
192.27	4,384	1,166	192.79	4,642	3,512
192.28	4,389	1,209	192.80	4,647	3,559
192.29	4,394	1,253	192.81	4,652	3,605
192.30	4,399	1,297	192.82	4,657	3,652
192.31	4,404	1,341	192.83	4,662	3,698
192.32	4,409	1,385	192.84	4,667	3,745
192.33	4,414	1,430	192.85	4,672	3,792
192.34	4,419	1,474	192.86	4,677	3,838
192.35	4,424	1,518	192.87	4,682	3,885
192.36	4,429	1,562	192.88	4,686	3,932
192.37	4,434	1,606	192.89	4,691	3,979
192.38	4,438	1,651	192.90	4,696	4,026
192.39	4,443	1,695	192.91	4,701	4,073
192.40	4,448	1,740	192.92	4,706	4,120
192.41	4,453	1,784	192.93	4,711	4,167
192.42	4,458	1,829	192.94	4,716	4,214
192.43	4,463	1,873	192.95	4,721	4,261
192.44	4,468	1,918	192.96	4,726	4,309
192.45	4,473	1,963	192.97	4,731	4,356
192.46	4,478	2,007	192.98	4,736	4,403
192.47	4,483	2,052	192.99	4,741	4,451
192.48	4,488	2,097	193.00	4,746	4,498
192.49	4,493	2,142	193.01	4,751	4,545
192.50	4,498	2,187	193.02	4,756	4,593
192.51	4,503	2,232	193.03	4,761	4,641

Stage-Area-Storage for Pond B-55: Basin #55 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
193.04	4,766	4,688	193.56	5,032	7,236
193.05	4,772	4,736	193.57	5,037	7,286
193.06	4,777	4,784	193.58	5,042	7,337
193.07	4,782	4,831	193.59	5,047	7,387
193.08	4,787	4,879	193.60	5,053	7,438
193.09	4,792	4,927	193.61	5,058	7,488
193.10	4,797	4,975	193.62	5,063	7,539
193.11	4,802	5,023	193.63	5,068	7,589
193.12	4,807	5,071	193.64	5,073	7,640
193.13	4,812	5,119	193.65	5,078	7,691
193.14	4,818	5,167	193.66	5,083	7,742
193.15	4,823	5,216	193.67	5,088	7,793
193.16	4,828	5,264	193.68	5,093	7,843
193.17	4,833	5,312	193.69	5,099	7,894
193.18	4,838	5,361	193.70	5,104	7,945
193.19	4,843	5,409	193.71	5,109	7,996
193.20	4,848	5,457	193.72	5,114	8,048
193.21	4,853	5,506	193.73	5,119	8,099
193.22	4,858	5,554	193.74	5,124	8,150
193.23	4,864	5,603	193.75	5,129	8,201
193.24	4,869	5,652	193.76	5,134	8,253
193.25	4,874	5,700	193.77	5,139	8,304
193.26	4,879	5,749	193.78	5,145	8,355
193.27	4,884	5,798	193.79	5,150	8,407
193.28	4,889	5,847	193.80	5,155	8,458
193.29	4,894	5,896	193.81	5,160	8,510
193.30	4,899	5,945	193.82	5,165	8,562
193.31	4,904	5,994	193.83	5,170	8,613
193.32	4,910	6,043	193.84	5,175	8,665
193.33	4,915	6,092	193.85	5,180	8,717
193.34	4,920	6,141	193.86	5,185	8,769
193.35	4,925	6,190	193.87	5,191	8,820
193.36	4,930	6,240	193.88	5,196	8,872
193.37	4,935	6,289	193.89	5,201	8,924
193.38	4,940	6,338	193.90	5,206	8,976
193.39	4,945	6,388	193.91	5,211	9,028
193.40	4,950	6,437	193.92	5,216	9,081
193.41	4,956	6,487	193.93	5,221	9,133
193.42	4,961	6,536	193.94	5,226	9,185
193.43	4,966	6,586	193.95	5,231	9,237
193.44	4,971	6,636	193.96	5,237	9,290
193.45	4,976	6,685	193.97	5,242	9,342
193.46	4,981	6,735	193.98	5,247	9,394
193.47	4,986	6,785	193.99	5,252	9,447
193.48	4,991	6,835	194.00	5,257	9,500
193.49	4,996	6,885	194.01	5,262	9,552
193.50	5,002	6,935	194.02	5,268	9,605
193.51	5,007	6,985	194.03	5,273	9,657
193.52	5,012	7,035	194.04	5,278	9,710
193.53	5,017	7,085	194.05	5,283	9,763
193.54	5,022	7,135	194.06	5,289	9,816
193.55	5,027	7,186	194.07	5,294	9,869

Stage-Area-Storage for Pond B-55: Basin #55 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
194.08	5,299	9,922	194.60	5,573	12,749
194.09	5,304	9,975	194.61	5,578	12,804
194.10	5,310	10,028	194.62	5,584	12,860
194.11	5,315	10,081	194.63	5,589	12,916
194.12	5,320	10,134	194.64	5,594	12,972
194.13	5,326	10,187	194.65	5,600	13,028
194.14	5,331	10,241	194.66	5,605	13,084
194.15	5,336	10,294	194.67	5,610	13,140
194.16	5,341	10,347	194.68	5,615	13,196
194.17	5,347	10,401	194.69	5,621	13,252
194.18	5,352	10,454	194.70	5,626	13,309
194.19	5,357	10,508	194.71	5,631	13,365
194.20	5,362	10,561	194.72	5,636	13,421
194.21	5,368	10,615	194.73	5,642	13,478
194.22	5,373	10,669	194.74	5,647	13,534
194.23	5,378	10,723	194.75	5,652	13,590
194.24	5,383	10,776	194.76	5,658	13,647
194.25	5,389	10,830	194.77	5,663	13,704
194.26	5,394	10,884	194.78	5,668	13,760
194.27	5,399	10,938	194.79	5,673	13,817
194.28	5,405	10,992	194.80	5,679	13,874
194.29	5,410	11,046	194.81	5,684	13,931
194.30	5,415	11,100	194.82	5,689	13,987
194.31	5,420	11,154	194.83	5,694	14,044
194.32	5,426	11,209	194.84	5,700	14,101
194.33	5,431	11,263	194.85	5,705	14,158
194.34	5,436	11,317	194.86	5,710	14,215
194.35	5,441	11,372	194.87	5,715	14,273
194.36	5,447	11,426	194.88	5,721	14,330
194.37	5,452	11,481	194.89	5,726	14,387
194.38	5,457	11,535	194.90	5,731	14,444
194.39	5,463	11,590	194.91	5,737	14,502
194.40	5,468	11,644	194.92	5,742	14,559
194.41	5,473	11,699	194.93	5,747	14,616
194.42	5,478	11,754	194.94	5,752	14,674
194.43	5,484	11,809	194.95	5,758	14,731
194.44	5,489	11,864	194.96	5,763	14,789
194.45	5,494	11,919	194.97	5,768	14,847
194.46	5,499	11,973	194.98	5,773	14,904
194.47	5,505	12,028	194.99	5,779	14,962
194.48	5,510	12,084	195.00	5,784	15,020
194.49	5,515	12,139	195.01	5,789	15,078
194.50	5,521	12,194	195.02	5,795	15,136
194.51	5,526	12,249	195.03	5,800	15,194
194.52	5,531	12,304	195.04	5,806	15,252
194.53	5,536	12,360	195.05	5,811	15,310
194.54	5,542	12,415	195.06	5,817	15,368
194.55	5,547	12,471	195.07	5,822	15,426
194.56	5,552	12,526	195.08	5,827	15,484
194.57	5,557	12,582	195.09	5,833	15,543
194.58	5,563	12,637	195.10	5,838	15,601
194.59	5,568	12,693	195.11	5,844	15,660

Stage-Area-Storage for Pond B-55: Basin #55 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
195.12	5,849	15,718
195.13	5,855	15,777
195.14	5,860	15,835
195.15	5,865	15,894
195.16	5,871	15,952
195.17	5,876	16,011
195.18	5,882	16,070
195.19	5,887	16,129
195.20	5,893	16,188
195.21	5,898	16,247
195.22	5,903	16,306
195.23	5,909	16,365
195.24	5,914	16,424
195.25	5,920	16,483
195.26	5,925	16,542
195.27	5,931	16,601
195.28	5,936	16,661
195.29	5,941	16,720
195.30	5,947	16,780
195.31	5,952	16,839
195.32	5,958	16,899
195.33	5,963	16,958
195.34	5,969	17,018
195.35	5,974	17,078
195.36	5,979	17,137
195.37	5,985	17,197
195.38	5,990	17,257
195.39	5,996	17,317
195.40	6,001	17,377
195.41	6,007	17,437
195.42	6,012	17,497
195.43	6,017	17,557
195.44	6,023	17,618
195.45	6,028	17,678
195.46	6,034	17,738
195.47	6,039	17,798
195.48	6,045	17,859
195.49	6,050	17,919
195.50	6,056	17,980
195.51	6,061	18,040
195.52	6,066	18,101
195.53	6,072	18,162
195.54	6,077	18,223
195.55	6,083	18,283
195.56	6,088	18,344
195.57	6,094	18,405
195.58	6,099	18,466
195.59	6,104	18,527
195.60	6,110	18,588
195.61	6,115	18,649
195.62	6,121	18,710
195.63	6,126	18,772
195.64	6,132	18,833
195.65	6,137	18,894
195.66	6,142	18,956
195.67	6,148	19,017
195.68	6,153	19,079
195.69	6,159	19,140
195.70	6,164	19,202
195.71	6,170	19,264
195.72	6,175	19,325
195.73	6,180	19,387
195.74	6,186	19,449
195.75	6,191	19,511
195.76	6,197	19,573
195.77	6,202	19,635
195.78	6,208	19,697
195.79	6,213	19,759
195.80	6,218	19,821
195.81	6,224	19,883
195.82	6,229	19,945
195.83	6,235	20,008
195.84	6,240	20,070
195.85	6,246	20,133
195.86	6,251	20,195
195.87	6,256	20,258
195.88	6,262	20,320
195.89	6,267	20,383
195.90	6,273	20,446
195.91	6,278	20,508
195.92	6,284	20,571
195.93	6,289	20,634
195.94	6,294	20,697
195.95	6,300	20,760
195.96	6,305	20,823
195.97	6,311	20,886
195.98	6,316	20,949
195.99	6,322	21,012
196.00	**6,327**	**21,076**

Summary for Pond B-56: Basin #56

Inflow Area = 1.512 ac, 31.08% Impervious, Inflow Depth = 3.82" for Future 10 yr event
Inflow = 7.86 cfs @ 12.09 hrs, Volume= 0.481 af
Outflow = 0.23 cfs @ 14.91 hrs, Volume= 0.403 af, Atten= 97%, Lag= 169.2 min
Primary = 0.23 cfs @ 14.91 hrs, Volume= 0.403 af
Routed to Pond B-51 : Basin #51

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 194.53' @ 14.91 hrs Surf.Area= 6,242 sf Storage= 14,230 cf

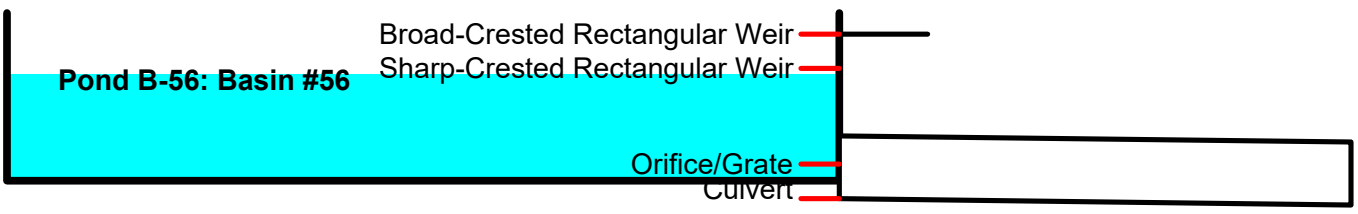
Plug-Flow detention time= 690.1 min calculated for 0.403 af (84% of inflow)
Center-of-Mass det. time= 617.3 min (1,408.1 - 790.8)

Volume	Invert	Avail.Storage	Storage Description
#1	192.00'	23,952 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

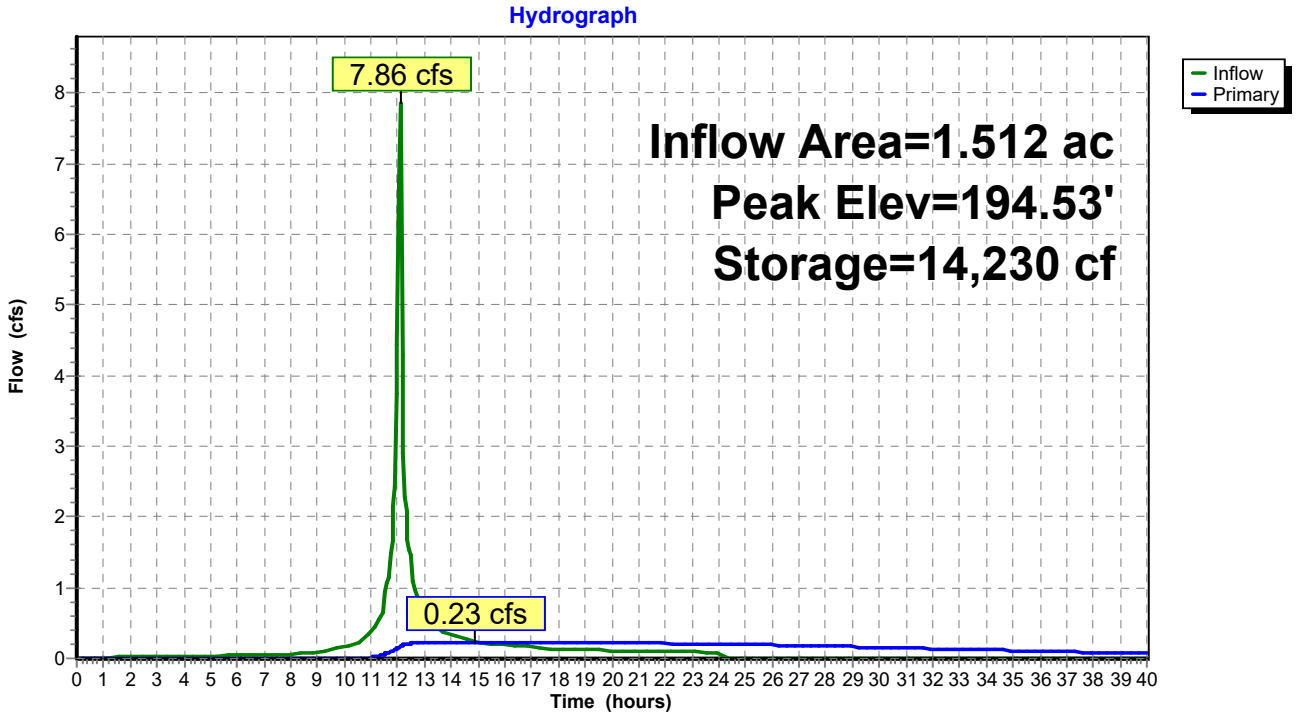
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
192.00	5,021	0	0
193.00	5,490	5,256	5,256
194.00	5,976	5,733	10,989
195.00	6,478	6,227	17,216
196.00	6,995	6,737	23,952

Device	Routing	Invert	Outlet Devices
#1	Primary	191.57'	**18.0" Round Culvert** L= 29.0' Ke= 0.500 Inlet / Outlet Invert= 191.57' / 191.42' S= 0.0052 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	192.40'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	194.68'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	195.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.23 cfs @ 14.91 hrs HW=194.53' (Free Discharge)
- **1=Culvert** (Passes 0.23 cfs of 12.63 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.23 cfs @ 6.85 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-56: Basin #56



Hydrograph for Pond B-56: Basin #56

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	192.00	0.00
0.10	0.00	0	192.00	0.00
0.20	0.00	0	192.00	0.00
0.30	0.00	0	192.00	0.00
0.40	0.00	0	192.00	0.00
0.50	0.00	0	192.00	0.00
0.60	0.00	0	192.00	0.00
0.70	0.00	0	192.00	0.00
0.80	0.00	0	192.00	0.00
0.90	0.00	2	192.00	0.00
1.00	0.01	3	192.00	0.00
1.10	0.01	5	192.00	0.00
1.20	0.01	8	192.00	0.00
1.30	0.01	11	192.00	0.00
1.40	0.01	15	192.00	0.00
1.50	0.01	19	192.00	0.00
1.60	0.01	23	192.00	0.00
1.70	0.01	28	192.01	0.00
1.80	0.02	33	192.01	0.00
1.90	0.02	39	192.01	0.00
2.00	0.02	45	192.01	0.00
2.10	0.02	51	192.01	0.00
2.20	0.02	58	192.01	0.00
2.30	0.02	65	192.01	0.00
2.40	0.02	72	192.01	0.00
2.50	0.02	80	192.02	0.00
2.60	0.02	88	192.02	0.00
2.70	0.02	96	192.02	0.00
2.80	0.02	104	192.02	0.00
2.90	0.02	113	192.02	0.00
3.00	0.02	121	192.02	0.00
3.10	0.03	130	192.03	0.00
3.20	0.03	140	192.03	0.00
3.30	0.03	149	192.03	0.00
3.40	0.03	159	192.03	0.00
3.50	0.03	169	192.03	0.00
3.60	0.03	179	192.04	0.00
3.70	0.03	190	192.04	0.00
3.80	0.03	200	192.04	0.00
3.90	0.03	211	192.04	0.00
4.00	0.03	222	192.04	0.00
4.10	0.03	233	192.05	0.00
4.20	0.03	244	192.05	0.00
4.30	0.03	256	192.05	0.00
4.40	0.03	267	192.05	0.00
4.50	0.03	279	192.06	0.00
4.60	0.03	291	192.06	0.00
4.70	0.03	304	192.06	0.00
4.80	0.03	316	192.06	0.00
4.90	0.03	328	192.07	0.00
5.00	0.04	341	192.07	0.00
5.10	0.04	354	192.07	0.00

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.04	367	192.07	0.00
5.30	0.04	380	192.08	0.00
5.40	0.04	393	192.08	0.00
5.50	0.04	407	192.08	0.00
5.60	0.04	420	192.08	0.00
5.70	0.04	434	192.09	0.00
5.80	0.04	448	192.09	0.00
5.90	0.04	462	192.09	0.00
6.00	0.04	476	192.09	0.00
6.10	0.04	491	192.10	0.00
6.20	0.04	506	192.10	0.00
6.30	0.04	521	192.10	0.00
6.40	0.04	537	192.11	0.00
6.50	0.05	553	192.11	0.00
6.60	0.05	569	192.11	0.00
6.70	0.05	586	192.12	0.00
6.80	0.05	603	192.12	0.00
6.90	0.05	621	192.12	0.00
7.00	0.05	639	192.13	0.00
7.10	0.05	658	192.13	0.00
7.20	0.05	677	192.13	0.00
7.30	0.05	696	192.14	0.00
7.40	0.06	716	192.14	0.00
7.50	0.06	736	192.15	0.00
7.60	0.06	757	192.15	0.00
7.70	0.06	778	192.15	0.00
7.80	0.06	800	192.16	0.00
7.90	0.06	821	192.16	0.00
8.00	0.06	844	192.17	0.00
8.10	0.06	867	192.17	0.00
8.20	0.07	890	192.18	0.00
8.30	0.07	914	192.18	0.00
8.40	0.07	939	192.19	0.00
8.50	0.07	966	192.19	0.00
8.60	0.08	993	192.20	0.00
8.70	0.08	1,020	192.20	0.00
8.80	0.08	1,049	192.21	0.00
8.90	0.08	1,079	192.21	0.00
9.00	0.09	1,110	192.22	0.00
9.10	0.09	1,143	192.23	0.00
9.20	0.10	1,177	192.23	0.00
9.30	0.11	1,215	192.24	0.00
9.40	0.11	1,254	192.25	0.00
9.50	0.12	1,297	192.26	0.00
9.60	0.13	1,342	192.26	0.00
9.70	0.14	1,389	192.27	0.00
9.80	0.14	1,440	192.28	0.00
9.90	0.15	1,493	192.29	0.00
10.00	0.16	1,550	192.30	0.00
10.10	0.17	1,609	192.32	0.00
10.20	0.18	1,672	192.33	0.00
10.30	0.19	1,738	192.34	0.00

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.20	1,807	192.35	0.00
10.50	0.21	1,880	192.37	0.00
10.60	0.23	1,960	192.38	0.00
10.70	0.26	2,050	192.40	0.00
10.80	0.29	2,151	192.42	0.00
10.90	0.32	2,262	192.44	0.00
11.00	0.36	2,384	192.46	0.01
11.10	0.42	2,521	192.49	0.01
11.20	0.48	2,677	192.52	0.02
11.30	0.54	2,851	192.55	0.04
11.40	0.61	3,045	192.59	0.05
11.50	0.68	3,257	192.63	0.06
11.60	1.06	3,560	192.69	0.07
11.70	1.17	3,935	192.76	0.08
11.80	1.66	4,428	192.85	0.10
11.90	2.44	5,147	192.98	0.11
12.00	4.45	6,397	193.21	0.14
12.10	**7.69**	8,646	193.60	0.17
12.20	2.89	10,305	193.89	0.19
12.30	2.07	11,093	194.02	0.20
12.40	1.54	11,647	194.11	0.21
12.50	1.45	12,108	194.19	0.21
12.60	0.96	12,445	194.24	0.22
12.70	0.89	12,697	194.28	0.22
12.80	0.82	12,923	194.32	0.22
12.90	0.74	13,122	194.35	0.22
13.00	0.67	13,292	194.38	0.22
13.10	0.59	13,433	194.40	0.23
13.20	0.55	13,554	194.42	0.23
13.30	0.50	13,660	194.44	0.23
13.40	0.46	13,750	194.45	0.23
13.50	0.42	13,825	194.47	0.23
13.60	0.38	13,884	194.48	0.23
13.70	0.37	13,935	194.48	0.23
13.80	0.36	13,982	194.49	0.23
13.90	0.35	14,025	194.50	0.23
14.00	0.34	14,064	194.50	0.23
14.10	0.32	14,098	194.51	0.23
14.20	0.31	14,129	194.51	0.23
14.30	0.30	14,156	194.52	0.23
14.40	0.29	14,178	194.52	0.23
14.50	0.28	14,197	194.53	0.23
14.60	0.27	14,211	194.53	0.23
14.70	0.26	14,221	194.53	0.23
14.80	0.25	14,228	194.53	0.23
14.90	0.24	**14,230**	**194.53**	**0.23**
15.00	0.22	14,228	194.53	0.23
15.10	0.21	14,223	194.53	0.23
15.20	0.21	14,215	194.53	0.23
15.30	0.21	14,206	194.53	0.23
15.40	0.21	14,196	194.53	0.23
15.50	0.20	14,185	194.52	0.23

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.20	14,173	194.52	0.23
15.70	0.20	14,160	194.52	0.23
15.80	0.19	14,146	194.52	0.23
15.90	0.19	14,131	194.51	0.23
16.00	0.19	14,115	194.51	0.23
16.10	0.18	14,098	194.51	0.23
16.20	0.18	14,080	194.51	0.23
16.30	0.18	14,061	194.50	0.23
16.40	0.18	14,041	194.50	0.23
16.50	0.17	14,020	194.50	0.23
16.60	0.17	13,998	194.49	0.23
16.70	0.17	13,975	194.49	0.23
16.80	0.16	13,951	194.49	0.23
16.90	0.16	13,926	194.48	0.23
17.00	0.16	13,900	194.48	0.23
17.10	0.15	13,873	194.47	0.23
17.20	0.15	13,845	194.47	0.23
17.30	0.15	13,816	194.46	0.23
17.40	0.15	13,786	194.46	0.23
17.50	0.14	13,756	194.45	0.23
17.60	0.14	13,724	194.45	0.23
17.70	0.14	13,691	194.44	0.23
17.80	0.13	13,657	194.44	0.23
17.90	0.13	13,623	194.43	0.23
18.00	0.13	13,587	194.43	0.23
18.10	0.12	13,550	194.42	0.23
18.20	0.12	13,513	194.42	0.23
18.30	0.12	13,476	194.41	0.23
18.40	0.12	13,438	194.40	0.23
18.50	0.12	13,401	194.40	0.23
18.60	0.12	13,363	194.39	0.23
18.70	0.12	13,325	194.38	0.23
18.80	0.12	13,287	194.38	0.22
18.90	0.12	13,249	194.37	0.22
19.00	0.12	13,211	194.37	0.22
19.10	0.12	13,173	194.36	0.22
19.20	0.12	13,134	194.35	0.22
19.30	0.12	13,096	194.35	0.22
19.40	0.11	13,057	194.34	0.22
19.50	0.11	13,018	194.33	0.22
19.60	0.11	12,979	194.33	0.22
19.70	0.11	12,940	194.32	0.22
19.80	0.11	12,901	194.32	0.22
19.90	0.11	12,862	194.31	0.22
20.00	0.11	12,822	194.30	0.22
20.10	0.11	12,783	194.30	0.22
20.20	0.11	12,743	194.29	0.22
20.30	0.11	12,703	194.28	0.22
20.40	0.11	12,663	194.28	0.22
20.50	0.11	12,623	194.27	0.22
20.60	0.11	12,583	194.26	0.22
20.70	0.11	12,542	194.26	0.22

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.10	12,502	194.25	0.22
20.90	0.10	12,461	194.24	0.22
21.00	0.10	12,421	194.24	0.22
21.10	0.10	12,380	194.23	0.22
21.20	0.10	12,339	194.22	0.22
21.30	0.10	12,298	194.22	0.21
21.40	0.10	12,257	194.21	0.21
21.50	0.10	12,215	194.20	0.21
21.60	0.10	12,174	194.20	0.21
21.70	0.10	12,132	194.19	0.21
21.80	0.10	12,091	194.18	0.21
21.90	0.10	12,049	194.18	0.21
22.00	0.10	12,007	194.17	0.21
22.10	0.09	11,965	194.16	0.21
22.20	0.09	11,923	194.16	0.21
22.30	0.09	11,881	194.15	0.21
22.40	0.09	11,839	194.14	0.21
22.50	0.09	11,796	194.13	0.21
22.60	0.09	11,754	194.13	0.21
22.70	0.09	11,711	194.12	0.21
22.80	0.09	11,668	194.11	0.21
22.90	0.09	11,625	194.11	0.21
23.00	0.09	11,582	194.10	0.21
23.10	0.09	11,539	194.09	0.21
23.20	0.09	11,496	194.08	0.21
23.30	0.09	11,453	194.08	0.21
23.40	0.09	11,409	194.07	0.21
23.50	0.08	11,366	194.06	0.20
23.60	0.08	11,322	194.06	0.20
23.70	0.08	11,279	194.05	0.20
23.80	0.08	11,235	194.04	0.20
23.90	0.08	11,191	194.03	0.20
24.00	0.10	11,151	194.03	0.20
24.10	0.00	11,092	194.02	0.20
24.20	0.00	11,020	194.01	0.20
24.30	0.00	10,948	193.99	0.20
24.40	0.00	10,876	193.98	0.20
24.50	0.00	10,804	193.97	0.20
24.60	0.00	10,733	193.96	0.20
24.70	0.00	10,662	193.95	0.20
24.80	0.00	10,591	193.93	0.20
24.90	0.00	10,520	193.92	0.20
25.00	0.00	10,450	193.91	0.19
25.10	0.00	10,380	193.90	0.19
25.20	0.00	10,311	193.89	0.19
25.30	0.00	10,241	193.87	0.19
25.40	0.00	10,172	193.86	0.19
25.50	0.00	10,104	193.85	0.19
25.60	0.00	10,035	193.84	0.19
25.70	0.00	9,967	193.83	0.19
25.80	0.00	9,899	193.82	0.19
25.90	0.00	9,832	193.80	0.19

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	9,764	193.79	0.19
26.10	0.00	9,697	193.78	0.19
26.20	0.00	9,631	193.77	0.18
26.30	0.00	9,564	193.76	0.18
26.40	0.00	9,498	193.75	0.18
26.50	0.00	9,433	193.74	0.18
26.60	0.00	9,367	193.73	0.18
26.70	0.00	9,302	193.71	0.18
26.80	0.00	9,237	193.70	0.18
26.90	0.00	9,173	193.69	0.18
27.00	0.00	9,108	193.68	0.18
27.10	0.00	9,044	193.67	0.18
27.20	0.00	8,981	193.66	0.18
27.30	0.00	8,917	193.65	0.18
27.40	0.00	8,854	193.64	0.17
27.50	0.00	8,792	193.63	0.17
27.60	0.00	8,729	193.62	0.17
27.70	0.00	8,667	193.61	0.17
27.80	0.00	8,605	193.59	0.17
27.90	0.00	8,544	193.58	0.17
28.00	0.00	8,482	193.57	0.17
28.10	0.00	8,421	193.56	0.17
28.20	0.00	8,361	193.55	0.17
28.30	0.00	8,300	193.54	0.17
28.40	0.00	8,240	193.53	0.17
28.50	0.00	8,181	193.52	0.17
28.60	0.00	8,121	193.51	0.16
28.70	0.00	8,062	193.50	0.16
28.80	0.00	8,003	193.49	0.16
28.90	0.00	7,945	193.48	0.16
29.00	0.00	7,887	193.47	0.16
29.10	0.00	7,829	193.46	0.16
29.20	0.00	7,771	193.45	0.16
29.30	0.00	7,714	193.44	0.16
29.40	0.00	7,657	193.43	0.16
29.50	0.00	7,600	193.42	0.16
29.60	0.00	7,544	193.41	0.16
29.70	0.00	7,488	193.40	0.16
29.80	0.00	7,432	193.39	0.15
29.90	0.00	7,377	193.38	0.15
30.00	0.00	7,321	193.37	0.15
30.10	0.00	7,267	193.36	0.15
30.20	0.00	7,212	193.35	0.15
30.30	0.00	7,158	193.34	0.15
30.40	0.00	7,104	193.33	0.15
30.50	0.00	7,050	193.32	0.15
30.60	0.00	6,997	193.31	0.15
30.70	0.00	6,944	193.30	0.15
30.80	0.00	6,891	193.29	0.15
30.90	0.00	6,839	193.28	0.15
31.00	0.00	6,787	193.28	0.14
31.10	0.00	6,735	193.27	0.14

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	6,684	193.26	0.14
31.30	0.00	6,633	193.25	0.14
31.40	0.00	6,582	193.24	0.14
31.50	0.00	6,531	193.23	0.14
31.60	0.00	6,481	193.22	0.14
31.70	0.00	6,431	193.21	0.14
31.80	0.00	6,382	193.20	0.14
31.90	0.00	6,332	193.19	0.14
32.00	0.00	6,284	193.19	0.14
32.10	0.00	6,235	193.18	0.13
32.20	0.00	6,187	193.17	0.13
32.30	0.00	6,139	193.16	0.13
32.40	0.00	6,091	193.15	0.13
32.50	0.00	6,044	193.14	0.13
32.60	0.00	5,997	193.13	0.13
32.70	0.00	5,950	193.13	0.13
32.80	0.00	5,903	193.12	0.13
32.90	0.00	5,857	193.11	0.13
33.00	0.00	5,811	193.10	0.13
33.10	0.00	5,766	193.09	0.13
33.20	0.00	5,721	193.08	0.13
33.30	0.00	5,676	193.08	0.12
33.40	0.00	5,631	193.07	0.12
33.50	0.00	5,587	193.06	0.12
33.60	0.00	5,543	193.05	0.12
33.70	0.00	5,500	193.04	0.12
33.80	0.00	5,456	193.04	0.12
33.90	0.00	5,414	193.03	0.12
34.00	0.00	5,371	193.02	0.12
34.10	0.00	5,329	193.01	0.12
34.20	0.00	5,287	193.01	0.12
34.30	0.00	5,245	193.00	0.12
34.40	0.00	5,204	192.99	0.11
34.50	0.00	5,162	192.98	0.11
34.60	0.00	5,122	192.98	0.11
34.70	0.00	5,081	192.97	0.11
34.80	0.00	5,041	192.96	0.11
34.90	0.00	5,002	192.95	0.11
35.00	0.00	4,962	192.95	0.11
35.10	0.00	4,923	192.94	0.11
35.20	0.00	4,884	192.93	0.11
35.30	0.00	4,846	192.93	0.11
35.40	0.00	4,807	192.92	0.11
35.50	0.00	4,770	192.91	0.10
35.60	0.00	4,732	192.90	0.10
35.70	0.00	4,695	192.90	0.10
35.80	0.00	4,658	192.89	0.10
35.90	0.00	4,621	192.88	0.10
36.00	0.00	4,585	192.88	0.10
36.10	0.00	4,549	192.87	0.10
36.20	0.00	4,514	192.86	0.10
36.30	0.00	4,478	192.86	0.10

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	4,443	192.85	0.10
36.50	0.00	4,409	192.84	0.10
36.60	0.00	4,374	192.84	0.09
36.70	0.00	4,340	192.83	0.09
36.80	0.00	4,307	192.83	0.09
36.90	0.00	4,273	192.82	0.09
37.00	0.00	4,240	192.81	0.09
37.10	0.00	4,208	192.81	0.09
37.20	0.00	4,175	192.80	0.09
37.30	0.00	4,143	192.80	0.09
37.40	0.00	4,112	192.79	0.09
37.50	0.00	4,080	192.78	0.09
37.60	0.00	4,049	192.78	0.09
37.70	0.00	4,018	192.77	0.08
37.80	0.00	3,988	192.77	0.08
37.90	0.00	3,958	192.76	0.08
38.00	0.00	3,928	192.76	0.08
38.10	0.00	3,899	192.75	0.08
38.20	0.00	3,869	192.74	0.08
38.30	0.00	3,841	192.74	0.08
38.40	0.00	3,812	192.73	0.08
38.50	0.00	3,784	192.73	0.08
38.60	0.00	3,756	192.72	0.08
38.70	0.00	3,729	192.72	0.08
38.80	0.00	3,702	192.71	0.08
38.90	0.00	3,675	192.71	0.07
39.00	0.00	3,648	192.70	0.07
39.10	0.00	3,622	192.70	0.07
39.20	0.00	3,596	192.69	0.07
39.30	0.00	3,571	192.69	0.07
39.40	0.00	3,545	192.68	0.07
39.50	0.00	3,520	192.68	0.07
39.60	0.00	3,496	192.67	0.07
39.70	0.00	3,472	192.67	0.07
39.80	0.00	3,448	192.67	0.07
39.90	0.00	3,424	192.66	0.06
40.00	0.00	3,401	192.66	0.06

Stage-Discharge for Pond B-56: Basin #56

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
192.00	0.00	192.52	0.02	193.04	0.12	193.56	0.17
192.01	0.00	192.53	0.03	193.05	0.12	193.57	0.17
192.02	0.00	192.54	0.03	193.06	0.12	193.58	0.17
192.03	0.00	192.55	0.03	193.07	0.12	193.59	0.17
192.04	0.00	192.56	0.04	193.08	0.12	193.60	0.17
192.05	0.00	192.57	0.04	193.09	0.13	193.61	0.17
192.06	0.00	192.58	0.05	193.10	0.13	193.62	0.17
192.07	0.00	192.59	0.05	193.11	0.13	193.63	0.17
192.08	0.00	192.60	0.05	193.12	0.13	193.64	0.17
192.09	0.00	192.61	0.05	193.13	0.13	193.65	0.18
192.10	0.00	192.62	0.06	193.14	0.13	193.66	0.18
192.11	0.00	192.63	0.06	193.15	0.13	193.67	0.18
192.12	0.00	192.64	0.06	193.16	0.13	193.68	0.18
192.13	0.00	192.65	0.06	193.17	0.13	193.69	0.18
192.14	0.00	192.66	0.06	193.18	0.13	193.70	0.18
192.15	0.00	192.67	0.07	193.19	0.14	193.71	0.18
192.16	0.00	192.68	0.07	193.20	0.14	193.72	0.18
192.17	0.00	192.69	0.07	193.21	0.14	193.73	0.18
192.18	0.00	192.70	0.07	193.22	0.14	193.74	0.18
192.19	0.00	192.71	0.07	193.23	0.14	193.75	0.18
192.20	0.00	192.72	0.08	193.24	0.14	193.76	0.18
192.21	0.00	192.73	0.08	193.25	0.14	193.77	0.18
192.22	0.00	192.74	0.08	193.26	0.14	193.78	0.19
192.23	0.00	192.75	0.08	193.27	0.14	193.79	0.19
192.24	0.00	192.76	0.08	193.28	0.14	193.80	0.19
192.25	0.00	192.77	0.08	193.29	0.15	193.81	0.19
192.26	0.00	192.78	0.09	193.30	0.15	193.82	0.19
192.27	0.00	192.79	0.09	193.31	0.15	193.83	0.19
192.28	0.00	192.80	0.09	193.32	0.15	193.84	0.19
192.29	0.00	192.81	0.09	193.33	0.15	193.85	0.19
192.30	0.00	192.82	0.09	193.34	0.15	193.86	0.19
192.31	0.00	192.83	0.09	193.35	0.15	193.87	0.19
192.32	0.00	192.84	0.10	193.36	0.15	193.88	0.19
192.33	0.00	192.85	0.10	193.37	0.15	193.89	0.19
192.34	0.00	192.86	0.10	193.38	0.15	193.90	0.19
192.35	0.00	192.87	0.10	193.39	0.15	193.91	0.19
192.36	0.00	192.88	0.10	193.40	0.16	193.92	0.20
192.37	0.00	192.89	0.10	193.41	0.16	193.93	0.20
192.38	0.00	192.90	0.10	193.42	0.16	193.94	0.20
192.39	0.00	192.91	0.10	193.43	0.16	193.95	0.20
192.40	0.00	192.92	0.11	193.44	0.16	193.96	0.20
192.41	0.00	192.93	0.11	193.45	0.16	193.97	0.20
192.42	0.00	192.94	0.11	193.46	0.16	193.98	0.20
192.43	0.00	192.95	0.11	193.47	0.16	193.99	0.20
192.44	0.00	192.96	0.11	193.48	0.16	194.00	0.20
192.45	0.00	192.97	0.11	193.49	0.16	194.01	0.20
192.46	0.01	192.98	0.11	193.50	0.16	194.02	0.20
192.47	0.01	192.99	0.11	193.51	0.16	194.03	0.20
192.48	0.01	193.00	0.12	193.52	0.17	194.04	0.20
192.49	0.01	193.01	0.12	193.53	0.17	194.05	0.20
192.50	0.02	193.02	0.12	193.54	0.17	194.06	0.20
192.51	0.02	193.03	0.12	193.55	0.17	194.07	0.21

Stage-Discharge for Pond B-56: Basin #56 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
194.08	0.21	194.60	0.24	195.12	4.00	195.64	18.17
194.09	0.21	194.61	0.24	195.13	4.13	195.65	19.03
194.10	0.21	194.62	0.24	195.14	4.25	195.66	19.90
194.11	0.21	194.63	0.24	195.15	4.38	195.67	20.81
194.12	0.21	194.64	0.24	195.16	4.51	195.68	21.73
194.13	0.21	194.65	0.24	195.17	4.64	195.69	22.68
194.14	0.21	194.66	0.24	195.18	4.78	195.70	23.65
194.15	0.21	194.67	0.24	195.19	4.91	195.71	24.67
194.16	0.21	194.68	0.24	195.20	5.05	195.72	25.73
194.17	0.21	194.69	0.26	195.21	5.18	195.73	26.81
194.18	0.21	194.70	0.28	195.22	5.32	195.74	27.92
194.19	0.21	194.71	0.31	195.23	5.46	195.75	29.05
194.20	0.21	194.72	0.35	195.24	5.60	195.76	30.21
194.21	0.21	194.73	0.39	195.25	5.74	195.77	31.40
194.22	0.22	194.74	0.44	195.26	5.88	195.78	32.61
194.23	0.22	194.75	0.49	195.27	6.03	195.79	33.84
194.24	0.22	194.76	0.54	195.28	6.17	195.80	35.10
194.25	0.22	194.77	0.60	195.29	6.32	195.81	36.39
194.26	0.22	194.78	0.66	195.30	6.46	195.82	37.70
194.27	0.22	194.79	0.72	195.31	6.61	195.83	39.04
194.28	0.22	194.80	0.79	195.32	6.76	195.84	40.40
194.29	0.22	194.81	0.86	195.33	6.91	195.85	41.78
194.30	0.22	194.82	0.93	195.34	7.06	195.86	43.12
194.31	0.22	194.83	1.00	195.35	7.21	195.87	44.39
194.32	0.22	194.84	1.08	195.36	7.36	195.88	45.68
194.33	0.22	194.85	1.16	195.37	7.52	195.89	46.99
194.34	0.22	194.86	1.24	195.38	7.67	195.90	48.33
194.35	0.22	194.87	1.33	195.39	7.83	195.91	49.72
194.36	0.22	194.88	1.41	195.40	7.98	195.92	51.13
194.37	0.22	194.89	1.50	195.41	8.14	195.93	52.57
194.38	0.22	194.90	1.59	195.42	8.30	195.94	54.04
194.39	0.23	194.91	1.68	195.43	8.46	195.95	55.53
194.40	0.23	194.92	1.77	195.44	8.62	195.96	57.05
194.41	0.23	194.93	1.87	195.45	8.78	195.97	58.59
194.42	0.23	194.94	1.97	195.46	8.94	195.98	60.17
194.43	0.23	194.95	2.07	195.47	9.10	195.99	61.76
194.44	0.23	194.96	2.17	195.48	9.27	196.00	**63.39**
194.45	0.23	194.97	2.27	195.49	9.43		
194.46	0.23	194.98	2.38	195.50	9.60		
194.47	0.23	194.99	2.48	195.51	9.88		
194.48	0.23	195.00	2.59	195.52	10.26		
194.49	0.23	195.01	2.70	195.53	10.71		
194.50	0.23	195.02	2.81	195.54	11.21		
194.51	0.23	195.03	2.92	195.55	11.75		
194.52	0.23	195.04	3.04	195.56	12.33		
194.53	0.23	195.05	3.15	195.57	12.96		
194.54	0.23	195.06	3.27	195.58	13.61		
194.55	0.23	195.07	3.39	195.59	14.30		
194.56	0.24	195.08	3.51	195.60	15.02		
194.57	0.24	195.09	3.63	195.61	15.77		
194.58	0.24	195.10	3.75	195.62	16.54		
194.59	0.24	195.11	3.87	195.63	17.34		

Stage-Area-Storage for Pond B-56: Basin #56

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
192.00	5,021	0	192.52	5,265	2,674
192.01	5,026	50	192.53	5,270	2,727
192.02	5,030	101	192.54	5,274	2,780
192.03	5,035	151	192.55	5,279	2,832
192.04	5,040	201	192.56	5,284	2,885
192.05	5,044	252	192.57	5,288	2,938
192.06	5,049	302	192.58	5,293	2,991
192.07	5,054	353	192.59	5,298	3,044
192.08	5,059	403	192.60	5,302	3,097
192.09	5,063	454	192.61	5,307	3,150
192.10	5,068	504	192.62	5,312	3,203
192.11	5,073	555	192.63	5,316	3,256
192.12	5,077	606	192.64	5,321	3,309
192.13	5,082	657	192.65	5,326	3,363
192.14	5,087	708	192.66	5,331	3,416
192.15	5,091	758	192.67	5,335	3,469
192.16	5,096	809	192.68	5,340	3,523
192.17	5,101	860	192.69	5,345	3,576
192.18	5,105	911	192.70	5,349	3,630
192.19	5,110	962	192.71	5,354	3,683
192.20	5,115	1,014	192.72	5,359	3,737
192.21	5,119	1,065	192.73	5,363	3,790
192.22	5,124	1,116	192.74	5,368	3,844
192.23	5,129	1,167	192.75	5,373	3,898
192.24	5,134	1,219	192.76	5,377	3,951
192.25	5,138	1,270	192.77	5,382	4,005
192.26	5,143	1,321	192.78	5,387	4,059
192.27	5,148	1,373	192.79	5,392	4,113
192.28	5,152	1,424	192.80	5,396	4,167
192.29	5,157	1,476	192.81	5,401	4,221
192.30	5,162	1,527	192.82	5,406	4,275
192.31	5,166	1,579	192.83	5,410	4,329
192.32	5,171	1,631	192.84	5,415	4,383
192.33	5,176	1,682	192.85	5,420	4,437
192.34	5,180	1,734	192.86	5,424	4,491
192.35	5,185	1,786	192.87	5,429	4,546
192.36	5,190	1,838	192.88	5,434	4,600
192.37	5,195	1,890	192.89	5,438	4,654
192.38	5,199	1,942	192.90	5,443	4,709
192.39	5,204	1,994	192.91	5,448	4,763
192.40	5,209	2,046	192.92	5,452	4,818
192.41	5,213	2,098	192.93	5,457	4,872
192.42	5,218	2,150	192.94	5,462	4,927
192.43	5,223	2,202	192.95	5,467	4,982
192.44	5,227	2,255	192.96	5,471	5,036
192.45	5,232	2,307	192.97	5,476	5,091
192.46	5,237	2,359	192.98	5,481	5,146
192.47	5,241	2,412	192.99	5,485	5,201
192.48	5,246	2,464	193.00	5,490	5,256
192.49	5,251	2,517	193.01	5,495	5,310
192.50	5,256	2,569	193.02	5,500	5,365
192.51	5,260	2,622	193.03	5,505	5,420

Stage-Area-Storage for Pond B-56: Basin #56 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
193.04	5,509	5,475	193.56	5,762	8,406
193.05	5,514	5,531	193.57	5,767	8,464
193.06	5,519	5,586	193.58	5,772	8,521
193.07	5,524	5,641	193.59	5,777	8,579
193.08	5,529	5,696	193.60	5,782	8,637
193.09	5,534	5,752	193.61	5,786	8,695
193.10	5,539	5,807	193.62	5,791	8,753
193.11	5,543	5,862	193.63	5,796	8,811
193.12	5,548	5,918	193.64	5,801	8,869
193.13	5,553	5,973	193.65	5,806	8,927
193.14	5,558	6,029	193.66	5,811	8,985
193.15	5,563	6,084	193.67	5,816	9,043
193.16	5,568	6,140	193.68	5,820	9,101
193.17	5,573	6,196	193.69	5,825	9,159
193.18	5,577	6,252	193.70	5,830	9,218
193.19	5,582	6,307	193.71	5,835	9,276
193.20	5,587	6,363	193.72	5,840	9,334
193.21	5,592	6,419	193.73	5,845	9,393
193.22	5,597	6,475	193.74	5,850	9,451
193.23	5,602	6,531	193.75	5,855	9,510
193.24	5,607	6,587	193.76	5,859	9,568
193.25	5,612	6,643	193.77	5,864	9,627
193.26	5,616	6,699	193.78	5,869	9,686
193.27	5,621	6,756	193.79	5,874	9,744
193.28	5,626	6,812	193.80	5,879	9,803
193.29	5,631	6,868	193.81	5,884	9,862
193.30	5,636	6,924	193.82	5,889	9,921
193.31	5,641	6,981	193.83	5,893	9,980
193.32	5,646	7,037	193.84	5,898	10,039
193.33	5,650	7,094	193.85	5,903	10,098
193.34	5,655	7,150	193.86	5,908	10,157
193.35	5,660	7,207	193.87	5,913	10,216
193.36	5,665	7,263	193.88	5,918	10,275
193.37	5,670	7,320	193.89	5,923	10,334
193.38	5,675	7,377	193.90	5,927	10,393
193.39	5,680	7,434	193.91	5,932	10,453
193.40	5,684	7,490	193.92	5,937	10,512
193.41	5,689	7,547	193.93	5,942	10,571
193.42	5,694	7,604	193.94	5,947	10,631
193.43	5,699	7,661	193.95	5,952	10,690
193.44	5,704	7,718	193.96	5,957	10,750
193.45	5,709	7,775	193.97	5,961	10,809
193.46	5,714	7,832	193.98	5,966	10,869
193.47	5,718	7,889	193.99	5,971	10,929
193.48	5,723	7,947	194.00	5,976	10,989
193.49	5,728	8,004	194.01	5,981	11,048
193.50	5,733	8,061	194.02	5,986	11,108
193.51	5,738	8,119	194.03	5,991	11,168
193.52	5,743	8,176	194.04	5,996	11,228
193.53	5,748	8,233	194.05	6,001	11,288
193.54	5,752	8,291	194.06	6,006	11,348
193.55	5,757	8,349	194.07	6,011	11,408

Stage-Area-Storage for Pond B-56: Basin #56 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
194.08	6,016	11,468	194.60	6,277	14,664
194.09	6,021	11,528	194.61	6,282	14,727
194.10	6,026	11,589	194.62	6,287	14,790
194.11	6,031	11,649	194.63	6,292	14,853
194.12	6,036	11,709	194.64	6,297	14,916
194.13	6,041	11,770	194.65	6,302	14,979
194.14	6,046	11,830	194.66	6,307	15,042
194.15	6,051	11,891	194.67	6,312	15,105
194.16	6,056	11,951	194.68	6,317	15,168
194.17	6,061	12,012	194.69	6,322	15,231
194.18	6,066	12,072	194.70	6,327	15,295
194.19	6,071	12,133	194.71	6,332	15,358
194.20	6,076	12,194	194.72	6,337	15,421
194.21	6,081	12,255	194.73	6,342	15,485
194.22	6,086	12,315	194.74	6,347	15,548
194.23	6,091	12,376	194.75	6,353	15,612
194.24	6,096	12,437	194.76	6,358	15,675
194.25	6,102	12,498	194.77	6,363	15,739
194.26	6,107	12,559	194.78	6,368	15,802
194.27	6,112	12,620	194.79	6,373	15,866
194.28	6,117	12,681	194.80	6,378	15,930
194.29	6,122	12,743	194.81	6,383	15,994
194.30	6,127	12,804	194.82	6,388	16,058
194.31	6,132	12,865	194.83	6,393	16,121
194.32	6,137	12,927	194.84	6,398	16,185
194.33	6,142	12,988	194.85	6,403	16,249
194.34	6,147	13,049	194.86	6,408	16,313
194.35	6,152	13,111	194.87	6,413	16,378
194.36	6,157	13,172	194.88	6,418	16,442
194.37	6,162	13,234	194.89	6,423	16,506
194.38	6,167	13,296	194.90	6,428	16,570
194.39	6,172	13,357	194.91	6,433	16,635
194.40	6,177	13,419	194.92	6,438	16,699
194.41	6,182	13,481	194.93	6,443	16,763
194.42	6,187	13,543	194.94	6,448	16,828
194.43	6,192	13,605	194.95	6,453	16,892
194.44	6,197	13,667	194.96	6,458	16,957
194.45	6,202	13,729	194.97	6,463	17,021
194.46	6,207	13,791	194.98	6,468	17,086
194.47	6,212	13,853	194.99	6,473	17,151
194.48	6,217	13,915	195.00	6,478	17,216
194.49	6,222	13,977	195.01	6,483	17,280
194.50	6,227	14,039	195.02	6,488	17,345
194.51	6,232	14,102	195.03	6,494	17,410
194.52	6,237	14,164	195.04	6,499	17,475
194.53	6,242	14,226	195.05	6,504	17,540
194.54	6,247	14,289	195.06	6,509	17,605
194.55	6,252	14,351	195.07	6,514	17,670
194.56	6,257	14,414	195.08	6,519	17,735
194.57	6,262	14,476	195.09	6,525	17,801
194.58	6,267	14,539	195.10	6,530	17,866
194.59	6,272	14,602	195.11	6,535	17,931

Stage-Area-Storage for Pond B-56: Basin #56 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
195.12	6,540	17,997
195.13	6,545	18,062
195.14	6,550	18,127
195.15	6,556	18,193
195.16	6,561	18,259
195.17	6,566	18,324
195.18	6,571	18,390
195.19	6,576	18,456
195.20	6,581	18,521
195.21	6,587	18,587
195.22	6,592	18,653
195.23	6,597	18,719
195.24	6,602	18,785
195.25	6,607	18,851
195.26	6,612	18,917
195.27	6,618	18,983
195.28	6,623	19,050
195.29	6,628	19,116
195.30	6,633	19,182
195.31	6,638	19,249
195.32	6,643	19,315
195.33	6,649	19,381
195.34	6,654	19,448
195.35	6,659	19,514
195.36	6,664	19,581
195.37	6,669	19,648
195.38	6,674	19,714
195.39	6,680	19,781
195.40	6,685	19,848
195.41	6,690	19,915
195.42	6,695	19,982
195.43	6,700	20,049
195.44	6,705	20,116
195.45	6,711	20,183
195.46	6,716	20,250
195.47	6,721	20,317
195.48	6,726	20,384
195.49	6,731	20,452
195.50	6,737	20,519
195.51	6,742	20,587
195.52	6,747	20,654
195.53	6,752	20,721
195.54	6,757	20,789
195.55	6,762	20,857
195.56	6,768	20,924
195.57	6,773	20,992
195.58	6,778	21,060
195.59	6,783	21,128
195.60	6,788	21,195
195.61	6,793	21,263
195.62	6,799	21,331
195.63	6,804	21,399
195.64	6,809	21,467
195.65	6,814	21,535
195.66	6,819	21,604
195.67	6,824	21,672
195.68	6,830	21,740
195.69	6,835	21,808
195.70	6,840	21,877
195.71	6,845	21,945
195.72	6,850	22,014
195.73	6,855	22,082
195.74	6,861	22,151
195.75	6,866	22,219
195.76	6,871	22,288
195.77	6,876	22,357
195.78	6,881	22,426
195.79	6,886	22,494
195.80	6,892	22,563
195.81	6,897	22,632
195.82	6,902	22,701
195.83	6,907	22,770
195.84	6,912	22,839
195.85	6,917	22,909
195.86	6,923	22,978
195.87	6,928	23,047
195.88	6,933	23,116
195.89	6,938	23,186
195.90	6,943	23,255
195.91	6,948	23,325
195.92	6,954	23,394
195.93	6,959	23,464
195.94	6,964	23,533
195.95	6,969	23,603
195.96	6,974	23,673
195.97	6,979	23,742
195.98	6,985	23,812
195.99	6,990	23,882
196.00	**6,995**	**23,952**

Summary for Pond B-57: Basin #57

Inflow Area = 1.434 ac, 47.56% Impervious, Inflow Depth = 4.24" for Future 10 yr event
Inflow = 6.85 cfs @ 12.10 hrs, Volume= 0.506 af
Outflow = 4.94 cfs @ 12.17 hrs, Volume= 0.425 af, Atten= 28%, Lag= 4.4 min
Primary = 4.94 cfs @ 12.17 hrs, Volume= 0.425 af
Routed to Pond B-58 : Basin #58

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 203.82' @ 12.17 hrs Surf.Area= 4,936 sf Storage= 8,096 cf

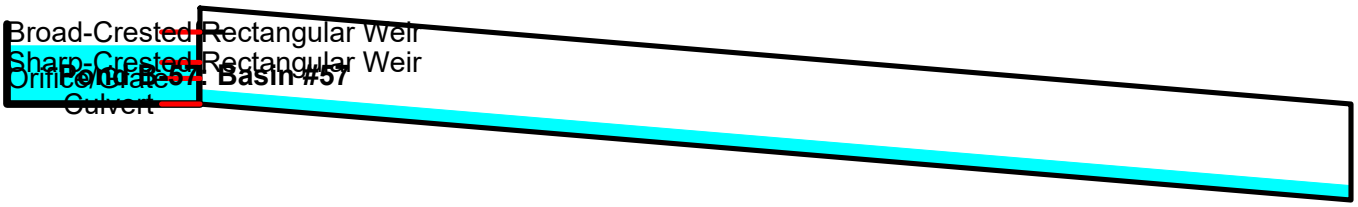
Plug-Flow detention time= 240.5 min calculated for 0.424 af (84% of inflow)
Center-of-Mass det. time= 169.6 min (947.4 - 777.8)

Volume	Invert	Avail.Storage	Storage Description
#1	202.00'	11,650 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

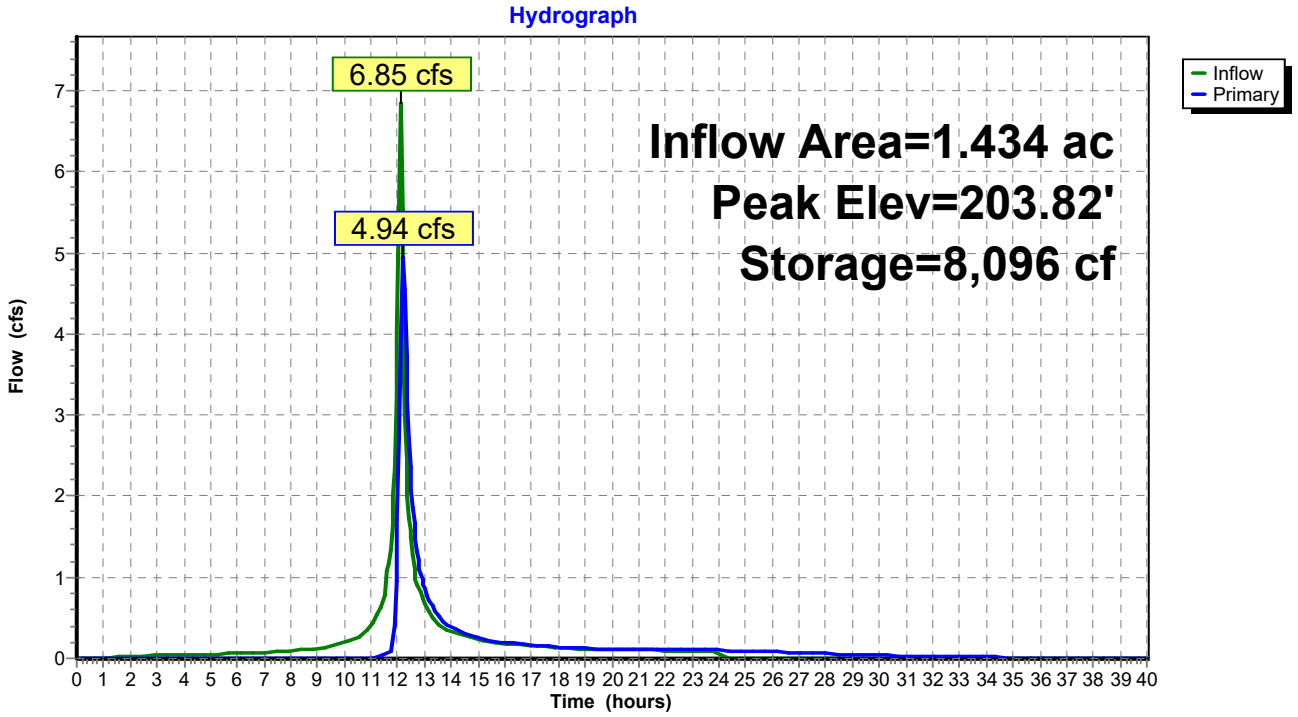
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
202.00	3,969	0	0
203.00	4,488	4,229	4,229
204.00	5,034	4,761	8,990
204.50	5,608	2,661	11,650

Device	Routing	Invert	Outlet Devices
#1	Primary	202.00'	**36.0" Round Culvert** L= 252.0' Ke= 0.500 Inlet / Outlet Invert= 202.00' / 199.00' S= 0.0119 '/' Cc= 0.900 n= 0.013, Flow Area= 7.07 sf
#2	Device 1	202.80'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	203.30'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	204.25'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=4.83 cfs @ 12.17 hrs HW=203.81' (Free Discharge)
- **1=Culvert** (Passes 4.83 cfs of 20.46 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.16 cfs @ 4.59 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 4.68 cfs @ 2.34 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-57: Basin #57



Hydrograph for Pond B-57: Basin #57

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	202.00	0.00
0.10	0.00	0	202.00	0.00
0.20	0.00	0	202.00	0.00
0.30	0.00	0	202.00	0.00
0.40	0.00	0	202.00	0.00
0.50	0.00	0	202.00	0.00
0.60	0.00	0	202.00	0.00
0.70	0.00	0	202.00	0.00
0.80	0.00	1	202.00	0.00
0.90	0.01	2	202.00	0.00
1.00	0.01	4	202.00	0.00
1.10	0.01	7	202.00	0.00
1.20	0.01	11	202.00	0.00
1.30	0.01	16	202.00	0.00
1.40	0.02	21	202.01	0.00
1.50	0.02	27	202.01	0.00
1.60	0.02	33	202.01	0.00
1.70	0.02	40	202.01	0.00
1.80	0.02	48	202.01	0.00
1.90	0.02	56	202.01	0.00
2.00	0.02	65	202.02	0.00
2.10	0.03	74	202.02	0.00
2.20	0.03	84	202.02	0.00
2.30	0.03	94	202.02	0.00
2.40	0.03	104	202.03	0.00
2.50	0.03	115	202.03	0.00
2.60	0.03	126	202.03	0.00
2.70	0.03	138	202.03	0.00
2.80	0.03	150	202.04	0.00
2.90	0.03	163	202.04	0.00
3.00	0.04	175	202.04	0.00
3.10	0.04	188	202.05	0.00
3.20	0.04	202	202.05	0.00
3.30	0.04	216	202.05	0.00
3.40	0.04	230	202.06	0.00
3.50	0.04	244	202.06	0.00
3.60	0.04	259	202.06	0.00
3.70	0.04	274	202.07	0.00
3.80	0.04	289	202.07	0.00
3.90	0.04	305	202.08	0.00
4.00	0.04	321	202.08	0.00
4.10	0.05	337	202.08	0.00
4.20	0.05	353	202.09	0.00
4.30	0.05	370	202.09	0.00
4.40	0.05	387	202.10	0.00
4.50	0.05	404	202.10	0.00
4.60	0.05	422	202.11	0.00
4.70	0.05	439	202.11	0.00
4.80	0.05	457	202.11	0.00
4.90	0.05	475	202.12	0.00
5.00	0.05	494	202.12	0.00
5.10	0.05	512	202.13	0.00

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.05	531	202.13	0.00
5.30	0.05	550	202.14	0.00
5.40	0.05	570	202.14	0.00
5.50	0.05	589	202.15	0.00
5.60	0.06	609	202.15	0.00
5.70	0.06	629	202.16	0.00
5.80	0.06	649	202.16	0.00
5.90	0.06	669	202.17	0.00
6.00	0.06	690	202.17	0.00
6.10	0.06	711	202.18	0.00
6.20	0.06	732	202.18	0.00
6.30	0.06	754	202.19	0.00
6.40	0.06	777	202.19	0.00
6.50	0.07	800	202.20	0.00
6.60	0.07	824	202.20	0.00
6.70	0.07	849	202.21	0.00
6.80	0.07	874	202.22	0.00
6.90	0.07	900	202.22	0.00
7.00	0.07	926	202.23	0.00
7.10	0.08	953	202.24	0.00
7.20	0.08	981	202.24	0.00
7.30	0.08	1,009	202.25	0.00
7.40	0.08	1,037	202.26	0.00
7.50	0.08	1,067	202.26	0.00
7.60	0.08	1,097	202.27	0.00
7.70	0.09	1,127	202.28	0.00
7.80	0.09	1,158	202.29	0.00
7.90	0.09	1,190	202.29	0.00
8.00	0.09	1,222	202.30	0.00
8.10	0.09	1,255	202.31	0.00
8.20	0.09	1,289	202.32	0.00
8.30	0.10	1,323	202.33	0.00
8.40	0.10	1,359	202.33	0.00
8.50	0.10	1,395	202.34	0.00
8.60	0.10	1,432	202.35	0.00
8.70	0.11	1,470	202.36	0.00
8.80	0.11	1,510	202.37	0.00
8.90	0.11	1,550	202.38	0.00
9.00	0.12	1,591	202.39	0.00
9.10	0.12	1,634	202.40	0.00
9.20	0.13	1,680	202.41	0.00
9.30	0.14	1,728	202.42	0.00
9.40	0.15	1,780	202.44	0.00
9.50	0.15	1,834	202.45	0.00
9.60	0.16	1,891	202.46	0.00
9.70	0.17	1,951	202.48	0.00
9.80	0.18	2,014	202.49	0.00
9.90	0.19	2,080	202.51	0.00
10.00	0.20	2,150	202.52	0.00
10.10	0.21	2,223	202.54	0.00
10.20	0.22	2,299	202.56	0.00
10.30	0.23	2,378	202.58	0.00

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.23	2,461	202.60	0.00
10.50	0.25	2,548	202.62	0.00
10.60	0.27	2,641	202.64	0.00
10.70	0.30	2,746	202.66	0.00
10.80	0.34	2,862	202.69	0.00
10.90	0.37	2,990	202.72	0.00
11.00	0.41	3,130	202.75	0.00
11.10	0.46	3,287	202.79	0.00
11.20	0.53	3,466	202.83	0.00
11.30	0.59	3,666	202.87	0.01
11.40	0.66	3,886	202.92	0.03
11.50	0.72	4,123	202.98	0.04
11.60	1.07	4,431	203.04	0.06
11.70	1.22	4,821	203.13	0.08
11.80	1.64	5,309	203.24	0.09
11.90	2.34	5,966	203.38	0.40
12.00	4.01	6,759	203.55	1.71
12.10	**6.85**	**7,741**	**203.75**	**3.99**
12.20	4.02	**8,049**	**203.81**	**4.82**
12.30	2.45	7,631	203.73	3.71
12.40	1.73	7,222	203.64	2.71
12.50	1.50	6,941	203.58	2.09
12.60	1.09	6,734	203.54	1.66
12.70	0.93	6,560	203.50	1.32
12.80	0.84	6,441	203.48	1.11
12.90	0.76	6,357	203.46	0.96
13.00	0.68	6,289	203.45	0.85
13.10	0.61	6,231	203.43	0.76
13.20	0.56	6,179	203.42	0.69
13.30	0.51	6,136	203.41	0.62
13.40	0.47	6,098	203.41	0.57
13.50	0.43	6,063	203.40	0.52
13.60	0.39	6,029	203.39	0.48
13.70	0.37	5,999	203.39	0.44
13.80	0.36	5,976	203.38	0.41
13.90	0.35	5,958	203.38	0.39
14.00	0.33	5,943	203.37	0.37
14.10	0.32	5,929	203.37	0.36
14.20	0.31	5,916	203.37	0.35
14.30	0.30	5,905	203.37	0.33
14.40	0.29	5,893	203.36	0.32
14.50	0.28	5,883	203.36	0.31
14.60	0.27	5,872	203.36	0.30
14.70	0.26	5,861	203.36	0.29
14.80	0.25	5,851	203.35	0.28
14.90	0.24	5,841	203.35	0.26
15.00	0.22	5,830	203.35	0.25
15.10	0.21	5,820	203.35	0.24
15.20	0.21	5,809	203.34	0.24
15.30	0.21	5,800	203.34	0.23
15.40	0.20	5,792	203.34	0.22
15.50	0.20	5,785	203.34	0.22

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.20	5,779	203.34	0.21
15.70	0.19	5,774	203.34	0.21
15.80	0.19	5,769	203.34	0.20
15.90	0.19	5,764	203.34	0.20
16.00	0.18	5,760	203.33	0.20
16.10	0.18	5,755	203.33	0.19
16.20	0.18	5,752	203.33	0.19
16.30	0.18	5,748	203.33	0.19
16.40	0.17	5,744	203.33	0.18
16.50	0.17	5,740	203.33	0.18
16.60	0.17	5,736	203.33	0.18
16.70	0.16	5,732	203.33	0.17
16.80	0.16	5,729	203.33	0.17
16.90	0.16	5,725	203.33	0.17
17.00	0.16	5,721	203.33	0.17
17.10	0.15	5,718	203.33	0.16
17.20	0.15	5,714	203.32	0.16
17.30	0.15	5,710	203.32	0.16
17.40	0.14	5,706	203.32	0.15
17.50	0.14	5,703	203.32	0.15
17.60	0.14	5,699	203.32	0.15
17.70	0.13	5,695	203.32	0.15
17.80	0.13	5,692	203.32	0.14
17.90	0.13	5,688	203.32	0.14
18.00	0.13	5,683	203.32	0.14
18.10	0.12	5,678	203.32	0.14
18.20	0.12	5,674	203.32	0.13
18.30	0.12	5,669	203.31	0.13
18.40	0.12	5,665	203.31	0.13
18.50	0.12	5,661	203.31	0.13
18.60	0.12	5,658	203.31	0.13
18.70	0.12	5,654	203.31	0.13
18.80	0.12	5,651	203.31	0.13
18.90	0.12	5,649	203.31	0.12
19.00	0.12	5,646	203.31	0.12
19.10	0.11	5,643	203.31	0.12
19.20	0.11	5,641	203.31	0.12
19.30	0.11	5,638	203.31	0.12
19.40	0.11	5,636	203.31	0.12
19.50	0.11	5,634	203.31	0.12
19.60	0.11	5,632	203.31	0.12
19.70	0.11	5,630	203.31	0.12
19.80	0.11	5,628	203.31	0.12
19.90	0.11	5,626	203.31	0.11
20.00	0.11	5,624	203.31	0.11
20.10	0.11	5,622	203.30	0.11
20.20	0.11	5,620	203.30	0.11
20.30	0.11	5,618	203.30	0.11
20.40	0.11	5,617	203.30	0.11
20.50	0.10	5,615	203.30	0.11
20.60	0.10	5,613	203.30	0.11
20.70	0.10	5,611	203.30	0.11

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.10	5,609	203.30	0.11
20.90	0.10	5,608	203.30	0.11
21.00	0.10	5,606	203.30	0.11
21.10	0.10	5,604	203.30	0.11
21.20	0.10	5,602	203.30	0.10
21.30	0.10	5,600	203.30	0.10
21.40	0.10	5,599	203.30	0.10
21.50	0.10	5,597	203.30	0.10
21.60	0.10	5,594	203.30	0.10
21.70	0.10	5,592	203.30	0.10
21.80	0.10	5,589	203.30	0.10
21.90	0.09	5,586	203.30	0.10
22.00	0.09	5,583	203.30	0.10
22.10	0.09	5,580	203.30	0.10
22.20	0.09	5,576	203.29	0.10
22.30	0.09	5,572	203.29	0.10
22.40	0.09	5,568	203.29	0.10
22.50	0.09	5,564	203.29	0.10
22.60	0.09	5,559	203.29	0.10
22.70	0.09	5,554	203.29	0.10
22.80	0.09	5,549	203.29	0.10
22.90	0.09	5,544	203.29	0.10
23.00	0.09	5,539	203.29	0.10
23.10	0.09	5,533	203.29	0.10
23.20	0.08	5,527	203.28	0.10
23.30	0.08	5,521	203.28	0.10
23.40	0.08	5,515	203.28	0.10
23.50	0.08	5,508	203.28	0.10
23.60	0.08	5,502	203.28	0.10
23.70	0.08	5,495	203.28	0.10
23.80	0.08	5,488	203.28	0.10
23.90	0.08	5,481	203.27	0.10
24.00	0.09	5,475	203.27	0.10
24.10	0.03	5,461	203.27	0.10
24.20	0.00	5,431	203.26	0.10
24.30	0.00	5,396	203.26	0.10
24.40	0.00	5,361	203.25	0.10
24.50	0.00	5,327	203.24	0.10
24.60	0.00	5,293	203.23	0.09
24.70	0.00	5,259	203.23	0.09
24.80	0.00	5,226	203.22	0.09
24.90	0.00	5,193	203.21	0.09
25.00	0.00	5,160	203.20	0.09
25.10	0.00	5,128	203.20	0.09
25.20	0.00	5,096	203.19	0.09
25.30	0.00	5,065	203.18	0.09
25.40	0.00	5,033	203.18	0.09
25.50	0.00	5,003	203.17	0.08
25.60	0.00	4,972	203.16	0.08
25.70	0.00	4,943	203.16	0.08
25.80	0.00	4,913	203.15	0.08
25.90	0.00	4,884	203.14	0.08

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	4,855	203.14	0.08
26.10	0.00	4,827	203.13	0.08
26.20	0.00	4,799	203.13	0.08
26.30	0.00	4,771	203.12	0.08
26.40	0.00	4,744	203.11	0.08
26.50	0.00	4,717	203.11	0.07
26.60	0.00	4,690	203.10	0.07
26.70	0.00	4,664	203.10	0.07
26.80	0.00	4,639	203.09	0.07
26.90	0.00	4,613	203.09	0.07
27.00	0.00	4,588	203.08	0.07
27.10	0.00	4,564	203.07	0.07
27.20	0.00	4,540	203.07	0.07
27.30	0.00	4,516	203.06	0.07
27.40	0.00	4,492	203.06	0.06
27.50	0.00	4,469	203.05	0.06
27.60	0.00	4,447	203.05	0.06
27.70	0.00	4,425	203.04	0.06
27.80	0.00	4,403	203.04	0.06
27.90	0.00	4,381	203.03	0.06
28.00	0.00	4,360	203.03	0.06
28.10	0.00	4,340	203.02	0.06
28.20	0.00	4,319	203.02	0.06
28.30	0.00	4,299	203.02	0.05
28.40	0.00	4,280	203.01	0.05
28.50	0.00	4,260	203.01	0.05
28.60	0.00	4,242	203.00	0.05
28.70	0.00	4,223	203.00	0.05
28.80	0.00	4,205	202.99	0.05
28.90	0.00	4,187	202.99	0.05
29.00	0.00	4,170	202.99	0.05
29.10	0.00	4,153	202.98	0.05
29.20	0.00	4,137	202.98	0.04
29.30	0.00	4,121	202.98	0.04
29.40	0.00	4,105	202.97	0.04
29.50	0.00	4,090	202.97	0.04
29.60	0.00	4,076	202.97	0.04
29.70	0.00	4,061	202.96	0.04
29.80	0.00	4,047	202.96	0.04
29.90	0.00	4,034	202.96	0.04
30.00	0.00	4,021	202.95	0.04
30.10	0.00	4,008	202.95	0.03
30.20	0.00	3,996	202.95	0.03
30.30	0.00	3,984	202.95	0.03
30.40	0.00	3,972	202.94	0.03
30.50	0.00	3,961	202.94	0.03
30.60	0.00	3,950	202.94	0.03
30.70	0.00	3,939	202.94	0.03
30.80	0.00	3,928	202.93	0.03
30.90	0.00	3,918	202.93	0.03
31.00	0.00	3,908	202.93	0.03
31.10	0.00	3,899	202.93	0.03

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	3,890	202.92	0.03
31.30	0.00	3,881	202.92	0.02
31.40	0.00	3,872	202.92	0.02
31.50	0.00	3,863	202.92	0.02
31.60	0.00	3,855	202.92	0.02
31.70	0.00	3,847	202.91	0.02
31.80	0.00	3,839	202.91	0.02
31.90	0.00	3,831	202.91	0.02
32.00	0.00	3,824	202.91	0.02
32.10	0.00	3,816	202.91	0.02
32.20	0.00	3,809	202.91	0.02
32.30	0.00	3,802	202.90	0.02
32.40	0.00	3,796	202.90	0.02
32.50	0.00	3,789	202.90	0.02
32.60	0.00	3,783	202.90	0.02
32.70	0.00	3,776	202.90	0.02
32.80	0.00	3,770	202.90	0.02
32.90	0.00	3,764	202.90	0.02
33.00	0.00	3,759	202.89	0.02
33.10	0.00	3,753	202.89	0.02
33.20	0.00	3,747	202.89	0.02
33.30	0.00	3,742	202.89	0.01
33.40	0.00	3,737	202.89	0.01
33.50	0.00	3,732	202.89	0.01
33.60	0.00	3,726	202.89	0.01
33.70	0.00	3,722	202.89	0.01
33.80	0.00	3,717	202.89	0.01
33.90	0.00	3,712	202.88	0.01
34.00	0.00	3,707	202.88	0.01
34.10	0.00	3,703	202.88	0.01
34.20	0.00	3,698	202.88	0.01
34.30	0.00	3,694	202.88	0.01
34.40	0.00	3,690	202.88	0.01
34.50	0.00	3,686	202.88	0.01
34.60	0.00	3,682	202.88	0.01
34.70	0.00	3,678	202.88	0.01
34.80	0.00	3,674	202.88	0.01
34.90	0.00	3,670	202.87	0.01
35.00	0.00	3,666	202.87	0.01
35.10	0.00	3,663	202.87	0.01
35.20	0.00	3,659	202.87	0.01
35.30	0.00	3,656	202.87	0.01
35.40	0.00	3,652	202.87	0.01
35.50	0.00	3,649	202.87	0.01
35.60	0.00	3,646	202.87	0.01
35.70	0.00	3,643	202.87	0.01
35.80	0.00	3,640	202.87	0.01
35.90	0.00	3,637	202.87	0.01
36.00	0.00	3,634	202.87	0.01
36.10	0.00	3,631	202.87	0.01
36.20	0.00	3,628	202.87	0.01
36.30	0.00	3,625	202.86	0.01

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	3,622	202.86	0.01
36.50	0.00	3,619	202.86	0.01
36.60	0.00	3,616	202.86	0.01
36.70	0.00	3,614	202.86	0.01
36.80	0.00	3,611	202.86	0.01
36.90	0.00	3,608	202.86	0.01
37.00	0.00	3,606	202.86	0.01
37.10	0.00	3,603	202.86	0.01
37.20	0.00	3,601	202.86	0.01
37.30	0.00	3,598	202.86	0.01
37.40	0.00	3,596	202.86	0.01
37.50	0.00	3,594	202.86	0.01
37.60	0.00	3,591	202.86	0.01
37.70	0.00	3,589	202.86	0.01
37.80	0.00	3,587	202.86	0.01
37.90	0.00	3,584	202.86	0.01
38.00	0.00	3,582	202.85	0.01
38.10	0.00	3,580	202.85	0.01
38.20	0.00	3,578	202.85	0.01
38.30	0.00	3,576	202.85	0.01
38.40	0.00	3,574	202.85	0.01
38.50	0.00	3,572	202.85	0.01
38.60	0.00	3,570	202.85	0.01
38.70	0.00	3,568	202.85	0.01
38.80	0.00	3,566	202.85	0.01
38.90	0.00	3,564	202.85	0.01
39.00	0.00	3,562	202.85	0.01
39.10	0.00	3,560	202.85	0.01
39.20	0.00	3,558	202.85	0.00
39.30	0.00	3,557	202.85	0.00
39.40	0.00	3,555	202.85	0.00
39.50	0.00	3,553	202.85	0.00
39.60	0.00	3,552	202.85	0.00
39.70	0.00	3,550	202.85	0.00
39.80	0.00	3,548	202.85	0.00
39.90	0.00	3,547	202.85	0.00
40.00	0.00	3,545	202.85	0.00

Stage-Discharge for Pond B-57: Basin #57

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
202.00	0.00	202.52	0.00	203.04	0.06	203.56	1.84
202.01	0.00	202.53	0.00	203.05	0.06	203.57	1.94
202.02	0.00	202.54	0.00	203.06	0.06	203.58	2.05
202.03	0.00	202.55	0.00	203.07	0.07	203.59	2.15
202.04	0.00	202.56	0.00	203.08	0.07	203.60	2.25
202.05	0.00	202.57	0.00	203.09	0.07	203.61	2.36
202.06	0.00	202.58	0.00	203.10	0.07	203.62	2.47
202.07	0.00	202.59	0.00	203.11	0.07	203.63	2.58
202.08	0.00	202.60	0.00	203.12	0.08	203.64	2.69
202.09	0.00	202.61	0.00	203.13	0.08	203.65	2.80
202.10	0.00	202.62	0.00	203.14	0.08	203.66	2.92
202.11	0.00	202.63	0.00	203.15	0.08	203.67	3.03
202.12	0.00	202.64	0.00	203.16	0.08	203.68	3.15
202.13	0.00	202.65	0.00	203.17	0.08	203.69	3.27
202.14	0.00	202.66	0.00	203.18	0.09	203.70	3.39
202.15	0.00	202.67	0.00	203.19	0.09	203.71	3.51
202.16	0.00	202.68	0.00	203.20	0.09	203.72	3.63
202.17	0.00	202.69	0.00	203.21	0.09	203.73	3.76
202.18	0.00	202.70	0.00	203.22	0.09	203.74	3.88
202.19	0.00	202.71	0.00	203.23	0.09	203.75	4.01
202.20	0.00	202.72	0.00	203.24	0.10	203.76	4.14
202.21	0.00	202.73	0.00	203.25	0.10	203.77	4.27
202.22	0.00	202.74	0.00	203.26	0.10	203.78	4.40
202.23	0.00	202.75	0.00	203.27	0.10	203.79	4.53
202.24	0.00	202.76	0.00	203.28	0.10	203.80	4.66
202.25	0.00	202.77	0.00	203.29	0.10	203.81	4.80
202.26	0.00	202.78	0.00	203.30	0.10	203.82	4.93
202.27	0.00	202.79	0.00	203.31	0.12	203.83	5.07
202.28	0.00	202.80	0.00	203.32	0.14	203.84	5.21
202.29	0.00	202.81	0.00	203.33	0.17	203.85	5.35
202.30	0.00	202.82	0.00	203.34	0.21	203.86	5.49
202.31	0.00	202.83	0.00	203.35	0.26	203.87	5.63
202.32	0.00	202.84	0.00	203.36	0.30	203.88	5.77
202.33	0.00	202.85	0.00	203.37	0.35	203.89	5.92
202.34	0.00	202.86	0.01	203.38	0.41	203.90	6.06
202.35	0.00	202.87	0.01	203.39	0.47	203.91	6.21
202.36	0.00	202.88	0.01	203.40	0.53	203.92	6.35
202.37	0.00	202.89	0.01	203.41	0.59	203.93	6.50
202.38	0.00	202.90	0.02	203.42	0.66	203.94	6.65
202.39	0.00	202.91	0.02	203.43	0.73	203.95	6.80
202.40	0.00	202.92	0.02	203.44	0.80	203.96	6.95
202.41	0.00	202.93	0.03	203.45	0.88	203.97	7.10
202.42	0.00	202.94	0.03	203.46	0.95	203.98	7.26
202.43	0.00	202.95	0.03	203.47	1.03	203.99	7.41
202.44	0.00	202.96	0.04	203.48	1.11	204.00	7.56
202.45	0.00	202.97	0.04	203.49	1.20	204.01	7.72
202.46	0.00	202.98	0.05	203.50	1.28	204.02	7.88
202.47	0.00	202.99	0.05	203.51	1.37	204.03	8.03
202.48	0.00	203.00	0.05	203.52	1.46	204.04	8.19
202.49	0.00	203.01	0.05	203.53	1.56	204.05	8.35
202.50	0.00	203.02	0.06	203.54	1.65	204.06	8.51
202.51	0.00	203.03	0.06	203.55	1.75	204.07	8.67

Stage-Discharge for Pond B-57: Basin #57 (continued)

Elevation (feet)	Primary (cfs)
204.08	8.84
204.09	9.00
204.10	9.16
204.11	9.33
204.12	9.50
204.13	9.66
204.14	9.83
204.15	10.00
204.16	10.17
204.17	10.34
204.18	10.51
204.19	10.68
204.20	10.85
204.21	11.03
204.22	11.20
204.23	11.37
204.24	11.55
204.25	11.73
204.26	12.02
204.27	12.41
204.28	12.87
204.29	13.38
204.30	13.93
204.31	14.53
204.32	15.16
204.33	15.82
204.34	16.52
204.35	17.25
204.36	18.01
204.37	18.79
204.38	19.61
204.39	20.44
204.40	21.31
204.41	22.19
204.42	23.11
204.43	24.04
204.44	24.99
204.45	25.97
204.46	27.01
204.47	28.07
204.48	29.16
204.49	30.28
204.50	31.42
204.51	32.59
204.52	33.78
204.53	35.00
204.54	36.25
204.55	37.52
204.56	38.81
204.57	40.13
204.58	41.47
204.59	42.84
204.60	44.24
204.61	45.66
204.62	47.10
204.63	48.57
204.64	50.06
204.65	51.58
204.66	53.15
204.67	54.74
204.68	56.37
204.69	58.01
204.70	59.69
204.71	61.39
204.72	63.12
204.73	64.88
204.74	66.66
204.75	68.47
204.76	70.31
204.77	72.17
204.78	74.06
204.79	75.98
204.80	77.93
204.81	79.90
204.82	81.90
204.83	83.93
204.84	85.98
204.85	88.06
204.86	89.90
204.87	91.76
204.88	93.63
204.89	95.51
204.90	97.40
204.91	99.31
204.92	101.24
204.93	103.17
204.94	105.12
204.95	107.09
204.96	109.07
204.97	111.06
204.98	113.06
204.99	115.07
205.00	**117.10**

Stage-Area-Storage for Pond B-57: Basin #57

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
202.00	3,969	0	202.52	4,239	2,134
202.01	3,974	40	202.53	4,244	2,176
202.02	3,979	79	202.54	4,249	2,219
202.03	3,985	119	202.55	4,254	2,261
202.04	3,990	159	202.56	4,260	2,304
202.05	3,995	199	202.57	4,265	2,347
202.06	4,000	239	202.58	4,270	2,389
202.07	4,005	279	202.59	4,275	2,432
202.08	4,011	319	202.60	4,280	2,475
202.09	4,016	359	202.61	4,286	2,518
202.10	4,021	399	202.62	4,291	2,561
202.11	4,026	440	202.63	4,296	2,603
202.12	4,031	480	202.64	4,301	2,646
202.13	4,036	520	202.65	4,306	2,689
202.14	4,042	561	202.66	4,312	2,733
202.15	4,047	601	202.67	4,317	2,776
202.16	4,052	642	202.68	4,322	2,819
202.17	4,057	682	202.69	4,327	2,862
202.18	4,062	723	202.70	4,332	2,905
202.19	4,068	763	202.71	4,337	2,949
202.20	4,073	804	202.72	4,343	2,992
202.21	4,078	845	202.73	4,348	3,036
202.22	4,083	886	202.74	4,353	3,079
202.23	4,088	927	202.75	4,358	3,123
202.24	4,094	968	202.76	4,363	3,166
202.25	4,099	1,008	202.77	4,369	3,210
202.26	4,104	1,049	202.78	4,374	3,254
202.27	4,109	1,091	202.79	4,379	3,297
202.28	4,114	1,132	202.80	4,384	3,341
202.29	4,120	1,173	202.81	4,389	3,385
202.30	4,125	1,214	202.82	4,395	3,429
202.31	4,130	1,255	202.83	4,400	3,473
202.32	4,135	1,297	202.84	4,405	3,517
202.33	4,140	1,338	202.85	4,410	3,561
202.34	4,145	1,379	202.86	4,415	3,605
202.35	4,151	1,421	202.87	4,421	3,649
202.36	4,156	1,462	202.88	4,426	3,694
202.37	4,161	1,504	202.89	4,431	3,738
202.38	4,166	1,546	202.90	4,436	3,782
202.39	4,171	1,587	202.91	4,441	3,827
202.40	4,177	1,629	202.92	4,446	3,871
202.41	4,182	1,671	202.93	4,452	3,916
202.42	4,187	1,713	202.94	4,457	3,960
202.43	4,192	1,755	202.95	4,462	4,005
202.44	4,197	1,797	202.96	4,467	4,049
202.45	4,203	1,839	202.97	4,472	4,094
202.46	4,208	1,881	202.98	4,478	4,139
202.47	4,213	1,923	202.99	4,483	4,184
202.48	4,218	1,965	203.00	4,488	4,229
202.49	4,223	2,007	203.01	4,493	4,273
202.50	4,229	2,049	203.02	4,499	4,318
202.51	4,234	2,092	203.03	4,504	4,363

Stage-Area-Storage for Pond B-57: Basin #57 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
203.04	4,510	4,408	203.56	4,794	6,827
203.05	4,515	4,454	203.57	4,799	6,875
203.06	4,521	4,499	203.58	4,805	6,923
203.07	4,526	4,544	203.59	4,810	6,971
203.08	4,532	4,589	203.60	4,816	7,020
203.09	4,537	4,635	203.61	4,821	7,068
203.10	4,543	4,680	203.62	4,827	7,116
203.11	4,548	4,725	203.63	4,832	7,164
203.12	4,554	4,771	203.64	4,837	7,213
203.13	4,559	4,817	203.65	4,843	7,261
203.14	4,564	4,862	203.66	4,848	7,309
203.15	4,570	4,908	203.67	4,854	7,358
203.16	4,575	4,954	203.68	4,859	7,407
203.17	4,581	4,999	203.69	4,865	7,455
203.18	4,586	5,045	203.70	4,870	7,504
203.19	4,592	5,091	203.71	4,876	7,553
203.20	4,597	5,137	203.72	4,881	7,601
203.21	4,603	5,183	203.73	4,887	7,650
203.22	4,608	5,229	203.74	4,892	7,699
203.23	4,614	5,275	203.75	4,898	7,748
203.24	4,619	5,321	203.76	4,903	7,797
203.25	4,625	5,368	203.77	4,908	7,846
203.26	4,630	5,414	203.78	4,914	7,895
203.27	4,635	5,460	203.79	4,919	7,944
203.28	4,641	5,507	203.80	4,925	7,994
203.29	4,646	5,553	203.81	4,930	8,043
203.30	4,652	5,599	203.82	4,936	8,092
203.31	4,657	5,646	203.83	4,941	8,142
203.32	4,663	5,693	203.84	4,947	8,191
203.33	4,668	5,739	203.85	4,952	8,241
203.34	4,674	5,786	203.86	4,958	8,290
203.35	4,679	5,833	203.87	4,963	8,340
203.36	4,685	5,880	203.88	4,968	8,389
203.37	4,690	5,926	203.89	4,974	8,439
203.38	4,695	5,973	203.90	4,979	8,489
203.39	4,701	6,020	203.91	4,985	8,539
203.40	4,706	6,067	203.92	4,990	8,589
203.41	4,712	6,114	203.93	4,996	8,638
203.42	4,717	6,162	203.94	5,001	8,688
203.43	4,723	6,209	203.95	5,007	8,738
203.44	4,728	6,256	203.96	5,012	8,789
203.45	4,734	6,303	203.97	5,018	8,839
203.46	4,739	6,351	203.98	5,023	8,889
203.47	4,745	6,398	203.99	5,029	8,939
203.48	4,750	6,446	204.00	5,034	8,990
203.49	4,756	6,493	204.01	5,045	9,040
203.50	4,761	6,541	204.02	5,057	9,090
203.51	4,766	6,588	204.03	5,068	9,141
203.52	4,772	6,636	204.04	5,080	9,192
203.53	4,777	6,684	204.05	5,091	9,243
203.54	4,783	6,732	204.06	5,103	9,294
203.55	4,788	6,779	204.07	5,114	9,345

Stage-Area-Storage for Pond B-57: Basin #57 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
204.08	5,126	9,396
204.09	5,137	9,447
204.10	5,149	9,499
204.11	5,160	9,550
204.12	5,172	9,602
204.13	5,183	9,654
204.14	5,195	9,706
204.15	5,206	9,758
204.16	5,218	9,810
204.17	5,229	9,862
204.18	5,241	9,914
204.19	5,252	9,967
204.20	5,264	10,019
204.21	5,275	10,072
204.22	5,287	10,125
204.23	5,298	10,178
204.24	5,310	10,231
204.25	5,321	10,284
204.26	5,332	10,337
204.27	5,344	10,391
204.28	5,355	10,444
204.29	5,367	10,498
204.30	5,378	10,551
204.31	5,390	10,605
204.32	5,401	10,659
204.33	5,413	10,713
204.34	5,424	10,767
204.35	5,436	10,822
204.36	5,447	10,876
204.37	5,459	10,931
204.38	5,470	10,985
204.39	5,482	11,040
204.40	5,493	11,095
204.41	5,505	11,150
204.42	5,516	11,205
204.43	5,528	11,260
204.44	5,539	11,316
204.45	5,551	11,371
204.46	5,562	11,427
204.47	5,574	11,482
204.48	5,585	11,538
204.49	5,597	11,594
204.50	**5,608**	**11,650**
204.51	5,608	11,650
204.52	5,608	11,650
204.53	5,608	11,650
204.54	5,608	11,650
204.55	5,608	11,650
204.56	5,608	11,650
204.57	5,608	11,650
204.58	5,608	11,650
204.59	5,608	11,650
204.60	5,608	11,650
204.61	5,608	11,650
204.62	5,608	11,650
204.63	5,608	11,650
204.64	5,608	11,650
204.65	5,608	11,650
204.66	5,608	11,650
204.67	5,608	11,650
204.68	5,608	11,650
204.69	5,608	11,650
204.70	5,608	11,650
204.71	5,608	11,650
204.72	5,608	11,650
204.73	5,608	11,650
204.74	5,608	11,650
204.75	5,608	11,650
204.76	5,608	11,650
204.77	5,608	11,650
204.78	5,608	11,650
204.79	5,608	11,650
204.80	5,608	11,650
204.81	5,608	11,650
204.82	5,608	11,650
204.83	5,608	11,650
204.84	5,608	11,650
204.85	5,608	11,650
204.86	5,608	11,650
204.87	5,608	11,650
204.88	5,608	11,650
204.89	5,608	11,650
204.90	5,608	11,650
204.91	5,608	11,650
204.92	5,608	11,650
204.93	5,608	11,650
204.94	5,608	11,650
204.95	5,608	11,650
204.96	5,608	11,650
204.97	5,608	11,650
204.98	5,608	11,650
204.99	5,608	11,650
205.00	5,608	11,650

Summary for Pond B-58: Basin #58

Inflow Area = 3.083 ac, 36.46% Impervious, Inflow Depth > 3.64" for Future 10 yr event
Inflow = 9.46 cfs @ 12.19 hrs, Volume= 0.934 af
Outflow = 5.55 cfs @ 12.39 hrs, Volume= 0.863 af, Atten= 41%, Lag= 11.8 min
Primary = 5.55 cfs @ 12.39 hrs, Volume= 0.863 af
Routed to Link PDA-6ON : Proposed Onsite Drainage Area #6

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 200.19' @ 12.39 hrs Surf.Area= 9,090 sf Storage= 10,815 cf

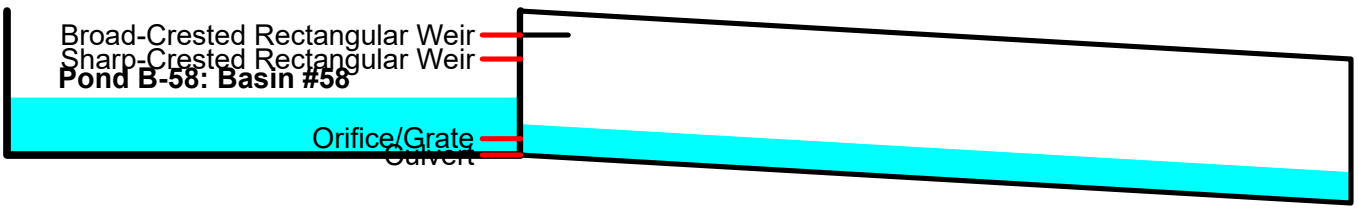
Plug-Flow detention time= 119.5 min calculated for 0.863 af (92% of inflow)
Center-of-Mass det. time= 60.5 min (927.9 - 867.4)

Volume	Invert	Avail.Storage	Storage Description
#1	199.00'	27,270 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

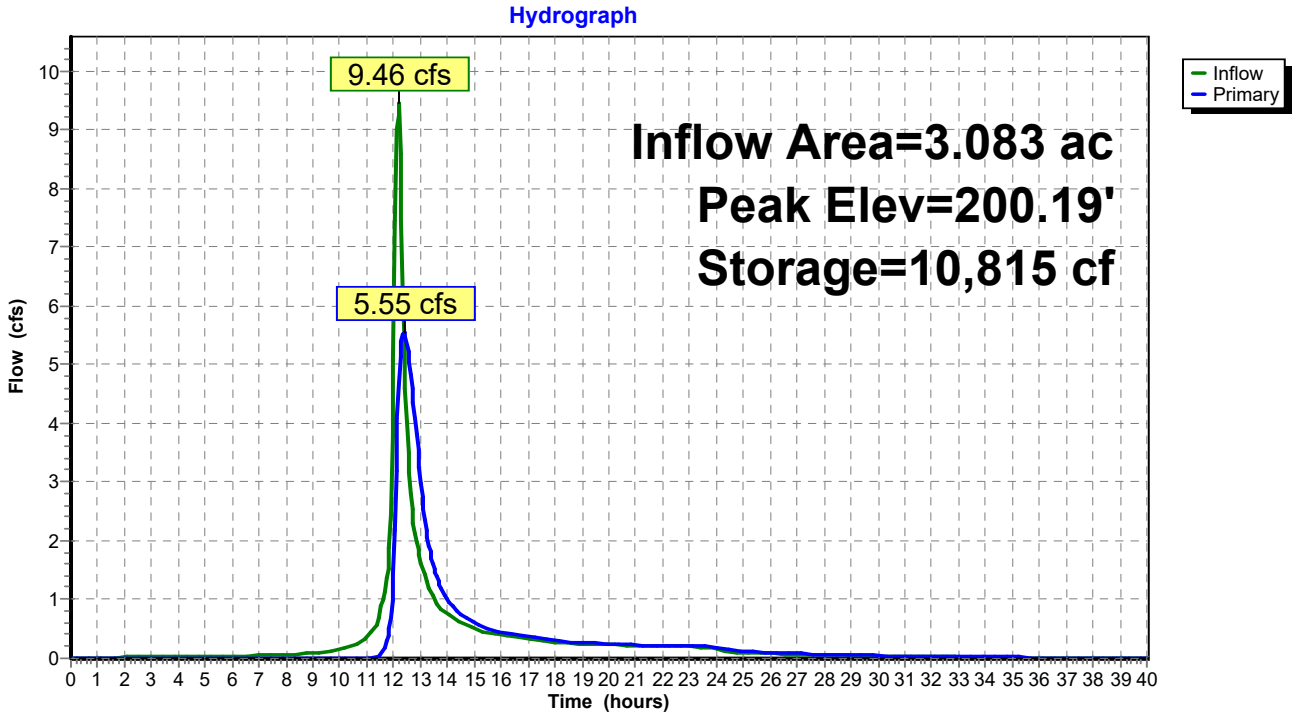
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
199.00	9,090	0	0
200.00	9,090	9,090	9,090
201.00	9,090	9,090	18,180
202.00	9,090	9,090	27,270

Device	Routing	Invert	Outlet Devices
#1	Primary	199.00'	**36.0" Round Culvert** L= 87.0' Ke= 0.500 Inlet / Outlet Invert= 199.00' / 198.00' S= 0.0115 '/' Cc= 0.900 n= 0.013, Flow Area= 7.07 sf
#2	Device 1	199.34'	**36.0" W x 6.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	201.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	201.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=5.54 cfs @ 12.39 hrs HW=200.19' (Free Discharge)
- **1=Culvert** (Passes 5.54 cfs of 9.67 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 5.54 cfs @ 3.70 fps)
  - **3=Sharp-Crested Rectangular Weir** (Controls 0.00 cfs)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-58: Basin #58



Hydrograph for Pond B-58: Basin #58

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	199.00	0.00
0.10	0.00	0	199.00	0.00
0.20	0.00	0	199.00	0.00
0.30	0.00	0	199.00	0.00
0.40	0.00	0	199.00	0.00
0.50	0.00	0	199.00	0.00
0.60	0.00	0	199.00	0.00
0.70	0.00	0	199.00	0.00
0.80	0.00	1	199.00	0.00
0.90	0.00	2	199.00	0.00
1.00	0.01	3	199.00	0.00
1.10	0.01	5	199.00	0.00
1.20	0.01	8	199.00	0.00
1.30	0.01	11	199.00	0.00
1.40	0.01	15	199.00	0.00
1.50	0.01	19	199.00	0.00
1.60	0.01	23	199.00	0.00
1.70	0.01	28	199.00	0.00
1.80	0.01	33	199.00	0.00
1.90	0.02	38	199.00	0.00
2.00	0.02	44	199.00	0.00
2.10	0.02	50	199.01	0.00
2.20	0.02	56	199.01	0.00
2.30	0.02	63	199.01	0.00
2.40	0.02	69	199.01	0.00
2.50	0.02	77	199.01	0.00
2.60	0.02	84	199.01	0.00
2.70	0.02	92	199.01	0.00
2.80	0.02	100	199.01	0.00
2.90	0.02	108	199.01	0.00
3.00	0.02	116	199.01	0.00
3.10	0.02	125	199.01	0.00
3.20	0.02	133	199.01	0.00
3.30	0.03	142	199.02	0.00
3.40	0.03	152	199.02	0.00
3.50	0.03	161	199.02	0.00
3.60	0.03	171	199.02	0.00
3.70	0.03	180	199.02	0.00
3.80	0.03	190	199.02	0.00
3.90	0.03	200	199.02	0.00
4.00	0.03	211	199.02	0.00
4.10	0.03	221	199.02	0.00
4.20	0.03	232	199.03	0.00
4.30	0.03	243	199.03	0.00
4.40	0.03	254	199.03	0.00
4.50	0.03	265	199.03	0.00
4.60	0.03	276	199.03	0.00
4.70	0.03	288	199.03	0.00
4.80	0.03	300	199.03	0.00
4.90	0.03	311	199.03	0.00
5.00	0.03	323	199.04	0.00
5.10	0.03	335	199.04	0.00

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.03	348	199.04	0.00
5.30	0.03	360	199.04	0.00
5.40	0.03	373	199.04	0.00
5.50	0.04	385	199.04	0.00
5.60	0.04	398	199.04	0.00
5.70	0.04	411	199.05	0.00
5.80	0.04	424	199.05	0.00
5.90	0.04	437	199.05	0.00
6.00	0.04	451	199.05	0.00
6.10	0.04	464	199.05	0.00
6.20	0.04	478	199.05	0.00
6.30	0.04	493	199.05	0.00
6.40	0.04	508	199.06	0.00
6.50	0.04	523	199.06	0.00
6.60	0.04	539	199.06	0.00
6.70	0.04	555	199.06	0.00
6.80	0.05	571	199.06	0.00
6.90	0.05	588	199.06	0.00
7.00	0.05	605	199.07	0.00
7.10	0.05	623	199.07	0.00
7.20	0.05	640	199.07	0.00
7.30	0.05	659	199.07	0.00
7.40	0.05	678	199.07	0.00
7.50	0.05	697	199.08	0.00
7.60	0.05	716	199.08	0.00
7.70	0.06	736	199.08	0.00
7.80	0.06	756	199.08	0.00
7.90	0.06	777	199.09	0.00
8.00	0.06	798	199.09	0.00
8.10	0.06	820	199.09	0.00
8.20	0.06	841	199.09	0.00
8.30	0.06	864	199.10	0.00
8.40	0.07	887	199.10	0.00
8.50	0.07	911	199.10	0.00
8.60	0.07	936	199.10	0.00
8.70	0.07	962	199.11	0.00
8.80	0.08	989	199.11	0.00
8.90	0.08	1,017	199.11	0.00
9.00	0.08	1,046	199.12	0.00
9.10	0.09	1,077	199.12	0.00
9.20	0.09	1,110	199.12	0.00
9.30	0.10	1,145	199.13	0.00
9.40	0.11	1,182	199.13	0.00
9.50	0.11	1,222	199.13	0.00
9.60	0.12	1,265	199.14	0.00
9.70	0.13	1,310	199.14	0.00
9.80	0.14	1,358	199.15	0.00
9.90	0.15	1,409	199.16	0.00
10.00	0.15	1,463	199.16	0.00
10.10	0.16	1,520	199.17	0.00
10.20	0.17	1,580	199.17	0.00
10.30	0.18	1,644	199.18	0.00

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.19	1,710	199.19	0.00
10.50	0.20	1,781	199.20	0.00
10.60	0.22	1,858	199.20	0.00
10.70	0.25	1,944	199.21	0.00
10.80	0.28	2,039	199.22	0.00
10.90	0.31	2,145	199.24	0.00
11.00	0.34	2,262	199.25	0.00
11.10	0.39	2,395	199.26	0.00
11.20	0.45	2,547	199.28	0.00
11.30	0.51	2,721	199.30	0.00
11.40	0.59	2,922	199.32	0.00
11.50	0.70	3,153	199.35	0.01
11.60	0.94	3,446	199.38	0.08
11.70	1.14	3,770	199.41	0.20
11.80	1.52	4,154	199.46	0.39
11.90	2.44	4,659	199.51	0.69
12.00	5.06	5,647	199.62	1.44
12.10	9.01	7,448	199.82	3.20
12.20	**9.43**	9,295	200.02	4.68
12.30	7.45	10,531	200.16	5.40
12.40	5.30	**10,811**	**200.19**	**5.55**
12.50	4.04	10,503	200.16	5.38
12.60	3.15	9,899	200.09	5.05
12.70	2.53	9,178	200.01	4.60
12.80	2.12	8,441	199.93	4.09
12.90	1.86	7,778	199.86	3.54
13.00	1.66	7,239	199.80	2.97
13.10	1.48	6,815	199.75	2.53
13.20	1.34	6,475	199.71	2.19
13.30	1.22	6,195	199.68	1.92
13.40	1.12	5,960	199.66	1.71
13.50	1.02	5,762	199.63	1.53
13.60	0.94	5,588	199.61	1.39
13.70	0.87	5,435	199.60	1.26
13.80	0.81	5,301	199.58	1.16
13.90	0.78	5,187	199.57	1.07
14.00	0.75	5,091	199.56	1.00
14.10	0.72	5,008	199.55	0.93
14.20	0.70	4,936	199.54	0.88
14.30	0.67	4,873	199.54	0.84
14.40	0.65	4,816	199.53	0.80
14.50	0.62	4,764	199.52	0.76
14.60	0.60	4,716	199.52	0.73
14.70	0.58	4,670	199.51	0.70
14.80	0.55	4,628	199.51	0.67
14.90	0.53	4,586	199.50	0.64
15.00	0.51	4,546	199.50	0.62
15.10	0.49	4,507	199.50	0.59
15.20	0.47	4,469	199.49	0.57
15.30	0.46	4,435	199.49	0.55
15.40	0.45	4,403	199.48	0.53
15.50	0.44	4,375	199.48	0.51

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.43	4,350	199.48	0.50
15.70	0.42	4,327	199.48	0.48
15.80	0.42	4,305	199.47	0.47
15.90	0.41	4,286	199.47	0.46
16.00	0.40	4,267	199.47	0.45
16.10	0.40	4,250	199.47	0.44
16.20	0.39	4,234	199.47	0.43
16.30	0.38	4,219	199.46	0.42
16.40	0.38	4,205	199.46	0.42
16.50	0.37	4,191	199.46	0.41
16.60	0.36	4,178	199.46	0.40
16.70	0.36	4,165	199.46	0.39
16.80	0.35	4,152	199.46	0.39
16.90	0.35	4,140	199.46	0.38
17.00	0.34	4,128	199.45	0.37
17.10	0.33	4,116	199.45	0.37
17.20	0.33	4,104	199.45	0.36
17.30	0.32	4,093	199.45	0.35
17.40	0.31	4,081	199.45	0.35
17.50	0.31	4,069	199.45	0.34
17.60	0.30	4,057	199.45	0.34
17.70	0.30	4,045	199.45	0.33
17.80	0.29	4,033	199.44	0.32
17.90	0.29	4,021	199.44	0.32
18.00	0.28	4,010	199.44	0.31
18.10	0.27	3,998	199.44	0.31
18.20	0.27	3,987	199.44	0.30
18.30	0.27	3,976	199.44	0.30
18.40	0.26	3,966	199.44	0.29
18.50	0.26	3,957	199.44	0.29
18.60	0.26	3,949	199.43	0.28
18.70	0.26	3,941	199.43	0.28
18.80	0.25	3,933	199.43	0.27
18.90	0.25	3,927	199.43	0.27
19.00	0.25	3,920	199.43	0.27
19.10	0.25	3,914	199.43	0.27
19.20	0.25	3,909	199.43	0.26
19.30	0.25	3,903	199.43	0.26
19.40	0.24	3,898	199.43	0.26
19.50	0.24	3,894	199.43	0.25
19.60	0.24	3,889	199.43	0.25
19.70	0.24	3,885	199.43	0.25
19.80	0.24	3,880	199.43	0.25
19.90	0.24	3,876	199.43	0.25
20.00	0.23	3,873	199.43	0.24
20.10	0.23	3,869	199.43	0.24
20.20	0.23	3,865	199.43	0.24
20.30	0.23	3,861	199.42	0.24
20.40	0.23	3,858	199.42	0.24
20.50	0.23	3,854	199.42	0.24
20.60	0.22	3,851	199.42	0.23
20.70	0.22	3,847	199.42	0.23

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.22	3,844	199.42	0.23
20.90	0.22	3,840	199.42	0.23
21.00	0.22	3,837	199.42	0.23
21.10	0.22	3,834	199.42	0.23
21.20	0.21	3,830	199.42	0.22
21.30	0.21	3,827	199.42	0.22
21.40	0.21	3,824	199.42	0.22
21.50	0.21	3,821	199.42	0.22
21.60	0.21	3,818	199.42	0.22
21.70	0.21	3,815	199.42	0.22
21.80	0.21	3,813	199.42	0.22
21.90	0.21	3,810	199.42	0.21
22.00	0.21	3,808	199.42	0.21
22.10	0.21	3,805	199.42	0.21
22.20	0.21	3,803	199.42	0.21
22.30	0.20	3,800	199.42	0.21
22.40	0.20	3,798	199.42	0.21
22.50	0.20	3,795	199.42	0.21
22.60	0.20	3,793	199.42	0.21
22.70	0.20	3,791	199.42	0.21
22.80	0.20	3,788	199.42	0.21
22.90	0.20	3,786	199.42	0.20
23.00	0.20	3,783	199.42	0.20
23.10	0.20	3,781	199.42	0.20
23.20	0.20	3,779	199.42	0.20
23.30	0.19	3,776	199.42	0.20
23.40	0.19	3,774	199.42	0.20
23.50	0.19	3,771	199.41	0.20
23.60	0.19	3,769	199.41	0.20
23.70	0.19	3,767	199.41	0.20
23.80	0.19	3,764	199.41	0.20
23.90	0.19	3,762	199.41	0.20
24.00	0.19	3,761	199.41	0.19
24.10	0.16	3,752	199.41	0.19
24.20	0.13	3,737	199.41	0.19
24.30	0.11	3,714	199.41	0.18
24.40	0.10	3,690	199.41	0.17
24.50	0.10	3,667	199.40	0.16
24.60	0.09	3,646	199.40	0.15
24.70	0.09	3,628	199.40	0.14
24.80	0.09	3,612	199.40	0.13
24.90	0.09	3,597	199.40	0.13
25.00	0.09	3,585	199.39	0.12
25.10	0.09	3,573	199.39	0.12
25.20	0.09	3,563	199.39	0.11
25.30	0.09	3,554	199.39	0.11
25.40	0.09	3,545	199.39	0.11
25.50	0.08	3,538	199.39	0.11
25.60	0.08	3,530	199.39	0.10
25.70	0.08	3,523	199.39	0.10
25.80	0.08	3,517	199.39	0.10
25.90	0.08	3,511	199.39	0.10

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.08	3,505	199.39	0.10
26.10	0.08	3,499	199.38	0.09
26.20	0.08	3,493	199.38	0.09
26.30	0.08	3,488	199.38	0.09
26.40	0.08	3,483	199.38	0.09
26.50	0.07	3,478	199.38	0.09
26.60	0.07	3,473	199.38	0.09
26.70	0.07	3,468	199.38	0.08
26.80	0.07	3,464	199.38	0.08
26.90	0.07	3,459	199.38	0.08
27.00	0.07	3,455	199.38	0.08
27.10	0.07	3,450	199.38	0.08
27.20	0.07	3,446	199.38	0.08
27.30	0.07	3,442	199.38	0.08
27.40	0.06	3,438	199.38	0.08
27.50	0.06	3,433	199.38	0.07
27.60	0.06	3,429	199.38	0.07
27.70	0.06	3,425	199.38	0.07
27.80	0.06	3,421	199.38	0.07
27.90	0.06	3,417	199.38	0.07
28.00	0.06	3,413	199.38	0.07
28.10	0.06	3,410	199.38	0.07
28.20	0.06	3,406	199.37	0.07
28.30	0.05	3,402	199.37	0.07
28.40	0.05	3,398	199.37	0.06
28.50	0.05	3,394	199.37	0.06
28.60	0.05	3,391	199.37	0.06
28.70	0.05	3,387	199.37	0.06
28.80	0.05	3,383	199.37	0.06
28.90	0.05	3,380	199.37	0.06
29.00	0.05	3,376	199.37	0.06
29.10	0.05	3,372	199.37	0.06
29.20	0.04	3,368	199.37	0.06
29.30	0.04	3,364	199.37	0.05
29.40	0.04	3,361	199.37	0.05
29.50	0.04	3,357	199.37	0.05
29.60	0.04	3,353	199.37	0.05
29.70	0.04	3,349	199.37	0.05
29.80	0.04	3,345	199.37	0.05
29.90	0.04	3,341	199.37	0.05
30.00	0.04	3,338	199.37	0.05
30.10	0.03	3,334	199.37	0.05
30.20	0.03	3,330	199.37	0.04
30.30	0.03	3,326	199.37	0.04
30.40	0.03	3,323	199.37	0.04
30.50	0.03	3,319	199.37	0.04
30.60	0.03	3,316	199.36	0.04
30.70	0.03	3,312	199.36	0.04
30.80	0.03	3,309	199.36	0.04
30.90	0.03	3,305	199.36	0.04
31.00	0.03	3,302	199.36	0.04
31.10	0.03	3,299	199.36	0.04

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.03	3,296	199.36	0.03
31.30	0.02	3,293	199.36	0.03
31.40	0.02	3,290	199.36	0.03
31.50	0.02	3,287	199.36	0.03
31.60	0.02	3,284	199.36	0.03
31.70	0.02	3,281	199.36	0.03
31.80	0.02	3,278	199.36	0.03
31.90	0.02	3,276	199.36	0.03
32.00	0.02	3,273	199.36	0.03
32.10	0.02	3,271	199.36	0.03
32.20	0.02	3,268	199.36	0.03
32.30	0.02	3,266	199.36	0.03
32.40	0.02	3,263	199.36	0.03
32.50	0.02	3,260	199.36	0.03
32.60	0.02	3,258	199.36	0.03
32.70	0.02	3,255	199.36	0.02
32.80	0.02	3,252	199.36	0.02
32.90	0.02	3,249	199.36	0.02
33.00	0.02	3,247	199.36	0.02
33.10	0.02	3,244	199.36	0.02
33.20	0.02	3,241	199.36	0.02
33.30	0.01	3,239	199.36	0.02
33.40	0.01	3,236	199.36	0.02
33.50	0.01	3,234	199.36	0.02
33.60	0.01	3,231	199.36	0.02
33.70	0.01	3,228	199.36	0.02
33.80	0.01	3,226	199.35	0.02
33.90	0.01	3,223	199.35	0.02
34.00	0.01	3,221	199.35	0.02
34.10	0.01	3,218	199.35	0.02
34.20	0.01	3,216	199.35	0.02
34.30	0.01	3,214	199.35	0.02
34.40	0.01	3,211	199.35	0.02
34.50	0.01	3,209	199.35	0.02
34.60	0.01	3,207	199.35	0.02
34.70	0.01	3,204	199.35	0.02
34.80	0.01	3,202	199.35	0.02
34.90	0.01	3,200	199.35	0.02
35.00	0.01	3,198	199.35	0.02
35.10	0.01	3,196	199.35	0.02
35.20	0.01	3,194	199.35	0.02
35.30	0.01	3,192	199.35	0.02
35.40	0.01	3,190	199.35	0.01
35.50	0.01	3,188	199.35	0.01
35.60	0.01	3,186	199.35	0.01
35.70	0.01	3,184	199.35	0.01
35.80	0.01	3,182	199.35	0.01
35.90	0.01	3,180	199.35	0.01
36.00	0.01	3,178	199.35	0.01
36.10	0.01	3,177	199.35	0.01
36.20	0.01	3,175	199.35	0.01
36.30	0.01	3,173	199.35	0.01

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.01	3,172	199.35	0.01
36.50	0.01	3,170	199.35	0.01
36.60	0.01	3,169	199.35	0.01
36.70	0.01	3,167	199.35	0.01
36.80	0.01	3,166	199.35	0.01
36.90	0.01	3,164	199.35	0.01
37.00	0.01	3,163	199.35	0.01
37.10	0.01	3,162	199.35	0.01
37.20	0.01	3,160	199.35	0.01
37.30	0.01	3,159	199.35	0.01
37.40	0.01	3,158	199.35	0.01
37.50	0.01	3,157	199.35	0.01
37.60	0.01	3,155	199.35	0.01
37.70	0.01	3,154	199.35	0.01
37.80	0.01	3,153	199.35	0.01
37.90	0.01	3,152	199.35	0.01
38.00	0.01	3,151	199.35	0.01
38.10	0.01	3,150	199.35	0.01
38.20	0.01	3,149	199.35	0.01
38.30	0.01	3,148	199.35	0.01
38.40	0.01	3,147	199.35	0.01
38.50	0.01	3,146	199.35	0.01
38.60	0.01	3,145	199.35	0.01
38.70	0.01	3,144	199.35	0.01
38.80	0.01	3,143	199.35	0.01
38.90	0.01	3,142	199.35	0.01
39.00	0.01	3,141	199.35	0.01
39.10	0.01	3,140	199.35	0.01
39.20	0.00	3,139	199.35	0.01
39.30	0.00	3,139	199.35	0.01
39.40	0.00	3,138	199.35	0.01
39.50	0.00	3,137	199.35	0.01
39.60	0.00	3,136	199.35	0.01
39.70	0.00	3,135	199.34	0.01
39.80	0.00	3,135	199.34	0.01
39.90	0.00	3,134	199.34	0.01
40.00	0.00	3,133	199.34	0.01

Stage-Discharge for Pond B-58: Basin #58

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
199.00	0.00	199.52	0.74	200.04	4.78	200.56	7.09
199.01	0.00	199.53	0.80	200.05	4.83	200.57	7.13
199.02	0.00	199.54	0.86	200.06	4.89	200.58	7.17
199.03	0.00	199.55	0.93	200.07	4.94	200.59	7.20
199.04	0.00	199.56	0.99	200.08	5.00	200.60	7.24
199.05	0.00	199.57	1.06	200.09	5.05	200.61	7.28
199.06	0.00	199.58	1.13	200.10	5.10	200.62	7.31
199.07	0.00	199.59	1.20	200.11	5.16	200.63	7.35
199.08	0.00	199.60	1.28	200.12	5.21	200.64	7.38
199.09	0.00	199.61	1.35	200.13	5.26	200.65	7.42
199.10	0.00	199.62	1.43	200.14	5.31	200.66	7.45
199.11	0.00	199.63	1.50	200.15	5.36	200.67	7.49
199.12	0.00	199.64	1.58	200.16	5.41	200.68	7.52
199.13	0.00	199.65	1.66	200.17	5.46	200.69	7.56
199.14	0.00	199.66	1.74	200.18	5.50	200.70	7.59
199.15	0.00	199.67	1.83	200.19	5.55	200.71	7.63
199.16	0.00	199.68	1.91	200.20	5.60	200.72	7.66
199.17	0.00	199.69	1.99	200.21	5.65	200.73	7.70
199.18	0.00	199.70	2.08	200.22	5.69	200.74	7.73
199.19	0.00	199.71	2.17	200.23	5.74	200.75	7.76
199.20	0.00	199.72	2.26	200.24	5.79	200.76	7.80
199.21	0.00	199.73	2.35	200.25	5.83	200.77	7.83
199.22	0.00	199.74	2.44	200.26	5.88	200.78	7.86
199.23	0.00	199.75	2.53	200.27	5.92	200.79	7.90
199.24	0.00	199.76	2.62	200.28	5.97	200.80	7.93
199.25	0.00	199.77	2.72	200.29	6.01	200.81	7.96
199.26	0.00	199.78	2.81	200.30	6.05	200.82	8.00
199.27	0.00	199.79	2.91	200.31	6.10	200.83	8.03
199.28	0.00	199.80	3.00	200.32	6.14	200.84	8.06
199.29	0.00	199.81	3.10	200.33	6.18	200.85	8.09
199.30	0.00	199.82	3.20	200.34	6.23	200.86	8.13
199.31	0.00	199.83	3.30	200.35	6.27	200.87	8.16
199.32	0.00	199.84	3.40	200.36	6.31	200.88	8.19
199.33	0.00	199.85	3.50	200.37	6.35	200.89	8.22
199.34	0.00	199.86	3.58	200.38	6.39	200.90	8.25
199.35	0.01	199.87	3.67	200.39	6.43	200.91	8.29
199.36	0.03	199.88	3.74	200.40	6.47	200.92	8.32
199.37	0.05	199.89	3.82	200.41	6.51	200.93	8.35
199.38	0.08	199.90	3.89	200.42	6.55	200.94	8.38
199.39	0.11	199.91	3.97	200.43	6.59	200.95	8.41
199.40	0.14	199.92	4.04	200.44	6.63	200.96	8.44
199.41	0.18	199.93	4.10	200.45	6.67	200.97	8.47
199.42	0.22	199.94	4.17	200.46	6.71	200.98	8.50
199.43	0.26	199.95	4.24	200.47	6.75	200.99	8.53
199.44	0.30	199.96	4.30	200.48	6.79	201.00	8.56
199.45	0.35	199.97	4.36	200.49	6.83	201.01	8.61
199.46	0.40	199.98	4.43	200.50	6.87	201.02	8.66
199.47	0.45	199.99	4.49	200.51	6.91	201.03	8.72
199.48	0.50	200.00	4.55	200.52	6.94	201.04	8.79
199.49	0.56	200.01	4.61	200.53	6.98	201.05	8.86
199.50	0.62	200.02	4.66	200.54	7.02	201.06	8.94
199.51	0.67	200.03	4.72	200.55	7.06	201.07	9.02

Stage-Discharge for Pond B-58: Basin #58 (continued)

Elevation (feet)	Primary (cfs)
201.08	9.10
201.09	9.19
201.10	9.28
201.11	9.37
201.12	9.46
201.13	9.56
201.14	9.66
201.15	9.77
201.16	9.87
201.17	9.98
201.18	10.09
201.19	10.20
201.20	10.31
201.21	10.43
201.22	10.55
201.23	10.67
201.24	10.79
201.25	10.91
201.26	11.04
201.27	11.16
201.28	11.29
201.29	11.42
201.30	11.55
201.31	11.69
201.32	11.82
201.33	11.96
201.34	12.10
201.35	12.23
201.36	12.38
201.37	12.52
201.38	12.66
201.39	12.81
201.40	12.95
201.41	13.10
201.42	13.25
201.43	13.40
201.44	13.55
201.45	13.70
201.46	13.86
201.47	14.01
201.48	14.17
201.49	14.32
201.50	14.48
201.51	14.76
201.52	15.14
201.53	15.57
201.54	16.07
201.55	16.60
201.56	17.18
201.57	17.80
201.58	18.45
201.59	19.13
201.60	19.85
201.61	20.59
201.62	21.36
201.63	22.16
201.64	22.99
201.65	23.84
201.66	24.71
201.67	25.61
201.68	26.53
201.69	27.48
201.70	28.44
201.71	29.47
201.72	30.52
201.73	31.60
201.74	32.71
201.75	33.84
201.76	35.00
201.77	36.18
201.78	37.39
201.79	38.62
201.80	39.88
201.81	41.17
201.82	42.48
201.83	43.82
201.84	45.18
201.85	46.56
201.86	47.97
201.87	49.41
201.88	50.87
201.89	52.36
201.90	53.87
201.91	55.43
201.92	57.02
201.93	58.63
201.94	60.28
201.95	61.95
201.96	63.64
201.97	65.37
201.98	67.12
201.99	68.89
202.00	**70.70**

Stage-Area-Storage for Pond B-58: Basin #58

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
199.00	**9,090**	0	199.52	9,090	4,727
199.01	9,090	91	199.53	9,090	4,818
199.02	9,090	182	199.54	9,090	4,909
199.03	9,090	273	199.55	9,090	5,000
199.04	9,090	364	199.56	9,090	5,090
199.05	9,090	455	199.57	9,090	5,181
199.06	9,090	545	199.58	9,090	5,272
199.07	9,090	636	199.59	9,090	5,363
199.08	9,090	727	199.60	9,090	5,454
199.09	9,090	818	199.61	9,090	5,545
199.10	9,090	909	199.62	9,090	5,636
199.11	9,090	1,000	199.63	9,090	5,727
199.12	9,090	1,091	199.64	9,090	5,818
199.13	9,090	1,182	199.65	9,090	5,909
199.14	9,090	1,273	199.66	9,090	5,999
199.15	9,090	1,364	199.67	9,090	6,090
199.16	9,090	1,454	199.68	9,090	6,181
199.17	9,090	1,545	199.69	9,090	6,272
199.18	9,090	1,636	199.70	9,090	6,363
199.19	9,090	1,727	199.71	9,090	6,454
199.20	9,090	1,818	199.72	9,090	6,545
199.21	9,090	1,909	199.73	9,090	6,636
199.22	9,090	2,000	199.74	9,090	6,727
199.23	9,090	2,091	199.75	9,090	6,818
199.24	9,090	2,182	199.76	9,090	6,908
199.25	9,090	2,273	199.77	9,090	6,999
199.26	9,090	2,363	199.78	9,090	7,090
199.27	9,090	2,454	199.79	9,090	7,181
199.28	9,090	2,545	199.80	9,090	7,272
199.29	9,090	2,636	199.81	9,090	7,363
199.30	9,090	2,727	199.82	9,090	7,454
199.31	9,090	2,818	199.83	9,090	7,545
199.32	9,090	2,909	199.84	9,090	7,636
199.33	9,090	3,000	199.85	9,090	7,726
199.34	9,090	3,091	199.86	9,090	7,817
199.35	9,090	3,181	199.87	9,090	7,908
199.36	9,090	3,272	199.88	9,090	7,999
199.37	9,090	3,363	199.89	9,090	8,090
199.38	9,090	3,454	199.90	9,090	8,181
199.39	9,090	3,545	199.91	9,090	8,272
199.40	9,090	3,636	199.92	9,090	8,363
199.41	9,090	3,727	199.93	9,090	8,454
199.42	9,090	3,818	199.94	9,090	8,545
199.43	9,090	3,909	199.95	9,090	8,635
199.44	9,090	4,000	199.96	9,090	8,726
199.45	9,090	4,090	199.97	9,090	8,817
199.46	9,090	4,181	199.98	9,090	8,908
199.47	9,090	4,272	199.99	9,090	8,999
199.48	9,090	4,363	200.00	9,090	9,090
199.49	9,090	4,454	200.01	9,090	9,181
199.50	9,090	4,545	200.02	9,090	9,272
199.51	9,090	4,636	200.03	9,090	9,363

Stage-Area-Storage for Pond B-58: Basin #58 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
200.04	9,090	9,454	200.56	9,090	14,180
200.05	9,090	9,545	200.57	9,090	14,271
200.06	9,090	9,635	200.58	9,090	14,362
200.07	9,090	9,726	200.59	9,090	14,453
200.08	9,090	9,817	200.60	9,090	14,544
200.09	9,090	9,908	200.61	9,090	14,635
200.10	9,090	9,999	200.62	9,090	14,726
200.11	9,090	10,090	200.63	9,090	14,817
200.12	9,090	10,181	200.64	9,090	14,908
200.13	9,090	10,272	200.65	9,090	14,999
200.14	9,090	10,363	200.66	9,090	15,089
200.15	9,090	10,454	200.67	9,090	15,180
200.16	9,090	10,544	200.68	9,090	15,271
200.17	9,090	10,635	200.69	9,090	15,362
200.18	9,090	10,726	200.70	9,090	15,453
200.19	9,090	10,817	200.71	9,090	15,544
200.20	9,090	10,908	200.72	9,090	15,635
200.21	9,090	10,999	200.73	9,090	15,726
200.22	9,090	11,090	200.74	9,090	15,817
200.23	9,090	11,181	200.75	9,090	15,908
200.24	9,090	11,272	200.76	9,090	15,998
200.25	9,090	11,363	200.77	9,090	16,089
200.26	9,090	11,453	200.78	9,090	16,180
200.27	9,090	11,544	200.79	9,090	16,271
200.28	9,090	11,635	200.80	9,090	16,362
200.29	9,090	11,726	200.81	9,090	16,453
200.30	9,090	11,817	200.82	9,090	16,544
200.31	9,090	11,908	200.83	9,090	16,635
200.32	9,090	11,999	200.84	9,090	16,726
200.33	9,090	12,090	200.85	9,090	16,816
200.34	9,090	12,181	200.86	9,090	16,907
200.35	9,090	12,271	200.87	9,090	16,998
200.36	9,090	12,362	200.88	9,090	17,089
200.37	9,090	12,453	200.89	9,090	17,180
200.38	9,090	12,544	200.90	9,090	17,271
200.39	9,090	12,635	200.91	9,090	17,362
200.40	9,090	12,726	200.92	9,090	17,453
200.41	9,090	12,817	200.93	9,090	17,544
200.42	9,090	12,908	200.94	9,090	17,635
200.43	9,090	12,999	200.95	9,090	17,725
200.44	9,090	13,090	200.96	9,090	17,816
200.45	9,090	13,180	200.97	9,090	17,907
200.46	9,090	13,271	200.98	9,090	17,998
200.47	9,090	13,362	200.99	9,090	18,089
200.48	9,090	13,453	201.00	9,090	18,180
200.49	9,090	13,544	201.01	9,090	18,271
200.50	9,090	13,635	201.02	9,090	18,362
200.51	9,090	13,726	201.03	9,090	18,453
200.52	9,090	13,817	201.04	9,090	18,544
200.53	9,090	13,908	201.05	9,090	18,635
200.54	9,090	13,999	201.06	9,090	18,725
200.55	9,090	14,090	201.07	9,090	18,816

Stage-Area-Storage for Pond B-58: Basin #58 (continued)

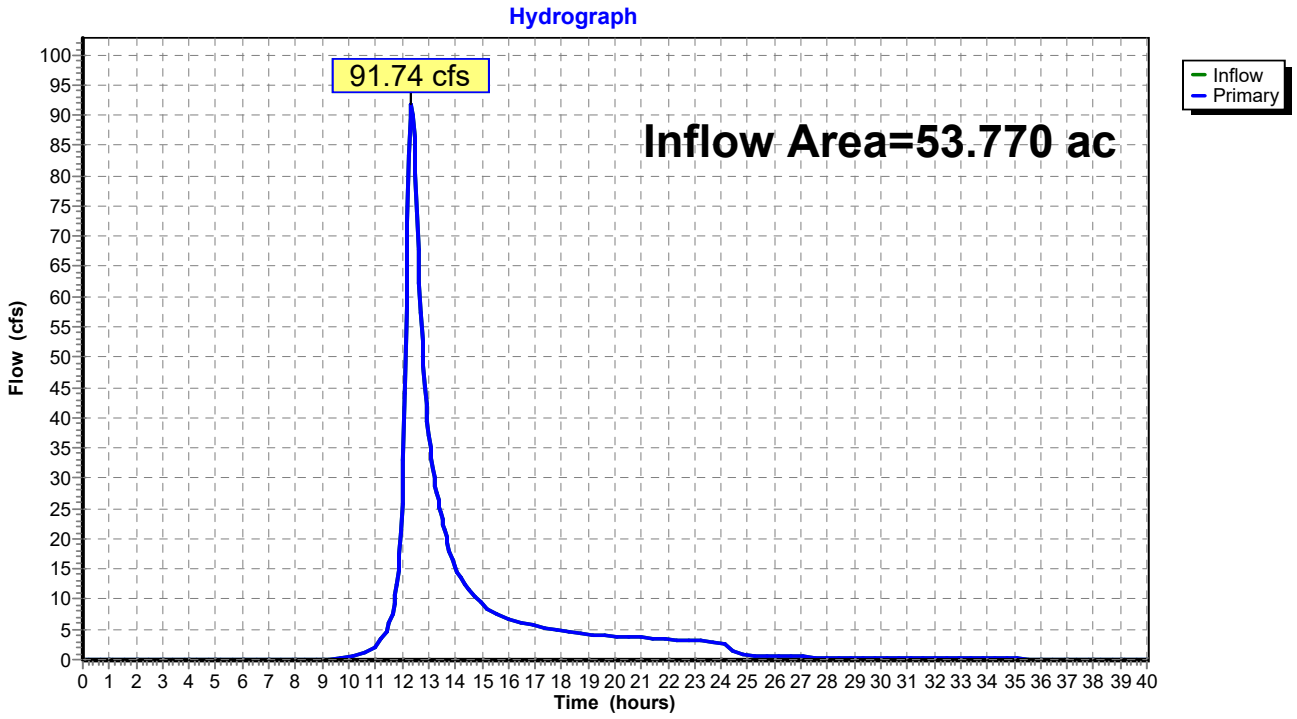
Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
201.08	9,090	18,907
201.09	9,090	18,998
201.10	9,090	19,089
201.11	9,090	19,180
201.12	9,090	19,271
201.13	9,090	19,362
201.14	9,090	19,453
201.15	9,090	19,544
201.16	9,090	19,634
201.17	9,090	19,725
201.18	9,090	19,816
201.19	9,090	19,907
201.20	9,090	19,998
201.21	9,090	20,089
201.22	9,090	20,180
201.23	9,090	20,271
201.24	9,090	20,362
201.25	9,090	20,453
201.26	9,090	20,543
201.27	9,090	20,634
201.28	9,090	20,725
201.29	9,090	20,816
201.30	9,090	20,907
201.31	9,090	20,998
201.32	9,090	21,089
201.33	9,090	21,180
201.34	9,090	21,271
201.35	9,090	21,361
201.36	9,090	21,452
201.37	9,090	21,543
201.38	9,090	21,634
201.39	9,090	21,725
201.40	9,090	21,816
201.41	9,090	21,907
201.42	9,090	21,998
201.43	9,090	22,089
201.44	9,090	22,180
201.45	9,090	22,270
201.46	9,090	22,361
201.47	9,090	22,452
201.48	9,090	22,543
201.49	9,090	22,634
201.50	9,090	22,725
201.51	9,090	22,816
201.52	9,090	22,907
201.53	9,090	22,998
201.54	9,090	23,089
201.55	9,090	23,180
201.56	9,090	23,270
201.57	9,090	23,361
201.58	9,090	23,452
201.59	9,090	23,543
201.60	9,090	23,634
201.61	9,090	23,725
201.62	9,090	23,816
201.63	9,090	23,907
201.64	9,090	23,998
201.65	9,090	24,089
201.66	9,090	24,179
201.67	9,090	24,270
201.68	9,090	24,361
201.69	9,090	24,452
201.70	9,090	24,543
201.71	9,090	24,634
201.72	9,090	24,725
201.73	9,090	24,816
201.74	9,090	24,907
201.75	9,090	24,998
201.76	9,090	25,088
201.77	9,090	25,179
201.78	9,090	25,270
201.79	9,090	25,361
201.80	9,090	25,452
201.81	9,090	25,543
201.82	9,090	25,634
201.83	9,090	25,725
201.84	9,090	25,816
201.85	9,090	25,906
201.86	9,090	25,997
201.87	9,090	26,088
201.88	9,090	26,179
201.89	9,090	26,270
201.90	9,090	26,361
201.91	9,090	26,452
201.92	9,090	26,543
201.93	9,090	26,634
201.94	9,090	26,725
201.95	9,090	26,815
201.96	9,090	26,906
201.97	9,090	26,997
201.98	9,090	27,088
201.99	9,090	27,179
202.00	9,090	**27,270**

Summary for Link PDA-6: Proposed Drainage Area #6

Inflow Area = 53.770 ac, 12.46% Impervious, Inflow Depth > 2.85" for Future 10 yr event
Inflow = 91.74 cfs @ 12.35 hrs, Volume= 12.771 af
Primary = 91.74 cfs @ 12.35 hrs, Volume= 12.771 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link PDA-6: Proposed Drainage Area #6



Hydrograph for Link PDA-6: Proposed Drainage Area #6

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.03	0.00	0.03
0.05	0.00	0.00	0.00	2.65	0.03	0.00	0.03
0.10	0.00	0.00	0.00	2.70	0.03	0.00	0.03
0.15	0.00	0.00	0.00	2.75	0.03	0.00	0.03
0.20	0.00	0.00	0.00	2.80	0.03	0.00	0.03
0.25	0.00	0.00	0.00	2.85	0.03	0.00	0.03
0.30	0.00	0.00	0.00	2.90	0.03	0.00	0.03
0.35	0.00	0.00	0.00	2.95	0.04	0.00	0.04
0.40	0.00	0.00	0.00	3.00	0.04	0.00	0.04
0.45	0.00	0.00	0.00	3.05	0.04	0.00	0.04
0.50	0.00	0.00	0.00	3.10	0.04	0.00	0.04
0.55	0.00	0.00	0.00	3.15	0.04	0.00	0.04
0.60	0.00	0.00	0.00	3.20	0.04	0.00	0.04
0.65	0.00	0.00	0.00	3.25	0.04	0.00	0.04
0.70	0.00	0.00	0.00	3.30	0.04	0.00	0.04
0.75	0.00	0.00	0.00	3.35	0.04	0.00	0.04
0.80	0.00	0.00	0.00	3.40	0.04	0.00	0.04
0.85	0.00	0.00	0.00	3.45	0.04	0.00	0.04
0.90	0.00	0.00	0.00	3.50	0.04	0.00	0.04
0.95	0.00	0.00	0.00	3.55	0.04	0.00	0.04
1.00	0.00	0.00	0.00	3.60	0.04	0.00	0.04
1.05	0.00	0.00	0.00	3.65	0.04	0.00	0.04
1.10	0.00	0.00	0.00	3.70	0.04	0.00	0.04
1.15	0.00	0.00	0.00	3.75	0.04	0.00	0.04
1.20	0.00	0.00	0.00	3.80	0.04	0.00	0.04
1.25	0.01	0.00	0.01	3.85	0.05	0.00	0.05
1.30	0.01	0.00	0.01	3.90	0.05	0.00	0.05
1.35	0.01	0.00	0.01	3.95	0.05	0.00	0.05
1.40	0.01	0.00	0.01	4.00	0.05	0.00	0.05
1.45	0.01	0.00	0.01	4.05	0.05	0.00	0.05
1.50	0.01	0.00	0.01	4.10	0.05	0.00	0.05
1.55	0.01	0.00	0.01	4.15	0.05	0.00	0.05
1.60	0.01	0.00	0.01	4.20	0.05	0.00	0.05
1.65	0.01	0.00	0.01	4.25	0.05	0.00	0.05
1.70	0.02	0.00	0.02	4.30	0.05	0.00	0.05
1.75	0.02	0.00	0.02	4.35	0.05	0.00	0.05
1.80	0.02	0.00	0.02	4.40	0.05	0.00	0.05
1.85	0.02	0.00	0.02	4.45	0.05	0.00	0.05
1.90	0.02	0.00	0.02	4.50	0.05	0.00	0.05
1.95	0.02	0.00	0.02	4.55	0.05	0.00	0.05
2.00	0.02	0.00	0.02	4.60	0.05	0.00	0.05
2.05	0.02	0.00	0.02	4.65	0.05	0.00	0.05
2.10	0.02	0.00	0.02	4.70	0.05	0.00	0.05
2.15	0.02	0.00	0.02	4.75	0.05	0.00	0.05
2.20	0.02	0.00	0.02	4.80	0.05	0.00	0.05
2.25	0.03	0.00	0.03	4.85	0.05	0.00	0.05
2.30	0.03	0.00	0.03	4.90	0.05	0.00	0.05
2.35	0.03	0.00	0.03	4.95	0.05	0.00	0.05
2.40	0.03	0.00	0.03	5.00	0.05	0.00	0.05
2.45	0.03	0.00	0.03	5.05	0.05	0.00	0.05
2.50	0.03	0.00	0.03	5.10	0.06	0.00	0.06
2.55	0.03	0.00	0.03	5.15	0.06	0.00	0.06

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.06	0.00	0.06	7.80	0.09	0.00	0.09
5.25	0.06	0.00	0.06	7.85	0.09	0.00	0.09
5.30	0.06	0.00	0.06	7.90	0.09	0.00	0.09
5.35	0.06	0.00	0.06	7.95	0.09	0.00	0.09
5.40	0.06	0.00	0.06	8.00	0.09	0.00	0.09
5.45	0.06	0.00	0.06	8.05	0.10	0.00	0.10
5.50	0.06	0.00	0.06	8.10	0.10	0.00	0.10
5.55	0.06	0.00	0.06	8.15	0.10	0.00	0.10
5.60	0.06	0.00	0.06	8.20	0.10	0.00	0.10
5.65	0.06	0.00	0.06	8.25	0.10	0.00	0.10
5.70	0.06	0.00	0.06	8.30	0.10	0.00	0.10
5.75	0.06	0.00	0.06	8.35	0.10	0.00	0.10
5.80	0.06	0.00	0.06	8.40	0.10	0.00	0.10
5.85	0.06	0.00	0.06	8.45	0.10	0.00	0.10
5.90	0.06	0.00	0.06	8.50	0.10	0.00	0.10
5.95	0.06	0.00	0.06	8.55	0.10	0.00	0.10
6.00	0.06	0.00	0.06	8.60	0.11	0.00	0.11
6.05	0.06	0.00	0.06	8.65	0.11	0.00	0.11
6.10	0.06	0.00	0.06	8.70	0.11	0.00	0.11
6.15	0.06	0.00	0.06	8.75	0.11	0.00	0.11
6.20	0.06	0.00	0.06	8.80	0.11	0.00	0.11
6.25	0.06	0.00	0.06	8.85	0.11	0.00	0.11
6.30	0.06	0.00	0.06	8.90	0.11	0.00	0.11
6.35	0.06	0.00	0.06	8.95	0.11	0.00	0.11
6.40	0.07	0.00	0.07	9.00	0.11	0.00	0.11
6.45	0.07	0.00	0.07	9.05	0.11	0.00	0.11
6.50	0.07	0.00	0.07	9.10	0.11	0.00	0.11
6.55	0.07	0.00	0.07	9.15	0.12	0.00	0.12
6.60	0.07	0.00	0.07	9.20	0.12	0.00	0.12
6.65	0.07	0.00	0.07	9.25	0.12	0.00	0.12
6.70	0.07	0.00	0.07	9.30	0.13	0.00	0.13
6.75	0.07	0.00	0.07	9.35	0.13	0.00	0.13
6.80	0.07	0.00	0.07	9.40	0.15	0.00	0.15
6.85	0.07	0.00	0.07	9.45	0.16	0.00	0.16
6.90	0.07	0.00	0.07	9.50	0.18	0.00	0.18
6.95	0.07	0.00	0.07	9.55	0.20	0.00	0.20
7.00	0.08	0.00	0.08	9.60	0.22	0.00	0.22
7.05	0.08	0.00	0.08	9.65	0.25	0.00	0.25
7.10	0.08	0.00	0.08	9.70	0.28	0.00	0.28
7.15	0.08	0.00	0.08	9.75	0.31	0.00	0.31
7.20	0.08	0.00	0.08	9.80	0.34	0.00	0.34
7.25	0.08	0.00	0.08	9.85	0.38	0.00	0.38
7.30	0.08	0.00	0.08	9.90	0.41	0.00	0.41
7.35	0.08	0.00	0.08	9.95	0.45	0.00	0.45
7.40	0.08	0.00	0.08	10.00	0.49	0.00	0.49
7.45	0.08	0.00	0.08	10.05	0.53	0.00	0.53
7.50	0.08	0.00	0.08	10.10	0.58	0.00	0.58
7.55	0.09	0.00	0.09	10.15	0.62	0.00	0.62
7.60	0.09	0.00	0.09	10.20	0.67	0.00	0.67
7.65	0.09	0.00	0.09	10.25	0.72	0.00	0.72
7.70	0.09	0.00	0.09	10.30	0.78	0.00	0.78
7.75	0.09	0.00	0.09	10.35	0.84	0.00	0.84

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.90	0.00	0.90	13.00	37.05	0.00	37.05
10.45	0.97	0.00	0.97	13.05	35.01	0.00	35.01
10.50	1.04	0.00	1.04	13.10	33.21	0.00	33.21
10.55	1.11	0.00	1.11	13.15	31.57	0.00	31.57
10.60	1.19	0.00	1.19	13.20	30.08	0.00	30.08
10.65	1.27	0.00	1.27	13.25	28.71	0.00	28.71
10.70	1.36	0.00	1.36	13.30	27.45	0.00	27.45
10.75	1.47	0.00	1.47	13.35	26.28	0.00	26.28
10.80	1.59	0.00	1.59	13.40	25.20	0.00	25.20
10.85	1.73	0.00	1.73	13.45	24.17	0.00	24.17
10.90	1.88	0.00	1.88	13.50	23.21	0.00	23.21
10.95	2.05	0.00	2.05	13.55	22.25	0.00	22.25
11.00	2.23	0.00	2.23	13.60	21.29	0.00	21.29
11.05	2.42	0.00	2.42	13.65	20.28	0.00	20.28
11.10	2.64	0.00	2.64	13.70	19.34	0.00	19.34
11.15	2.89	0.00	2.89	13.75	18.47	0.00	18.47
11.20	3.17	0.00	3.17	13.80	17.67	0.00	17.67
11.25	3.48	0.00	3.48	13.85	16.95	0.00	16.95
11.30	3.84	0.00	3.84	13.90	16.30	0.00	16.30
11.35	4.25	0.00	4.25	13.95	15.72	0.00	15.72
11.40	4.69	0.00	4.69	14.00	15.19	0.00	15.19
11.45	5.19	0.00	5.19	14.05	14.71	0.00	14.71
11.50	5.74	0.00	5.74	14.10	14.27	0.00	14.27
11.55	6.37	0.00	6.37	14.15	13.86	0.00	13.86
11.60	7.14	0.00	7.14	14.20	13.48	0.00	13.48
11.65	8.13	0.00	8.13	14.25	13.12	0.00	13.12
11.70	9.36	0.00	9.36	14.30	12.79	0.00	12.79
11.75	10.81	0.00	10.81	14.35	12.48	0.00	12.48
11.80	12.54	0.00	12.54	14.40	12.18	0.00	12.18
11.85	14.64	0.00	14.64	14.45	11.88	0.00	11.88
11.90	17.29	0.00	17.29	14.50	11.61	0.00	11.61
11.95	20.80	0.00	20.80	14.55	11.34	0.00	11.34
12.00	25.75	0.00	25.75	14.60	11.09	0.00	11.09
12.05	33.03	0.00	33.03	14.65	10.84	0.00	10.84
12.10	43.86	0.00	43.86	14.70	10.59	0.00	10.59
12.15	58.15	0.00	58.15	14.75	10.36	0.00	10.36
12.20	72.49	0.00	72.49	14.80	10.13	0.00	10.13
12.25	83.38	0.00	83.38	14.85	9.91	0.00	9.91
12.30	89.86	0.00	89.86	14.90	9.69	0.00	9.69
12.35	**91.74**	0.00	**91.74**	14.95	9.47	0.00	9.47
12.40	90.15	0.00	90.15	15.00	9.25	0.00	9.25
12.45	86.11	0.00	86.11	15.05	9.05	0.00	9.05
12.50	80.38	0.00	80.38	15.10	8.84	0.00	8.84
12.55	73.99	0.00	73.99	15.15	8.64	0.00	8.64
12.60	67.81	0.00	67.81	15.20	8.44	0.00	8.44
12.65	62.32	0.00	62.32	15.25	8.26	0.00	8.26
12.70	57.32	0.00	57.32	15.30	8.09	0.00	8.09
12.75	52.80	0.00	52.80	15.35	7.93	0.00	7.93
12.80	48.77	0.00	48.77	15.40	7.79	0.00	7.79
12.85	45.25	0.00	45.25	15.45	7.67	0.00	7.67
12.90	42.16	0.00	42.16	15.50	7.55	0.00	7.55
12.95	39.42	0.00	39.42	15.55	7.45	0.00	7.45

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	7.35	0.00	7.35	18.20	4.54	0.00	4.54
15.65	7.26	0.00	7.26	18.25	4.50	0.00	4.50
15.70	7.18	0.00	7.18	18.30	4.46	0.00	4.46
15.75	7.10	0.00	7.10	18.35	4.42	0.00	4.42
15.80	7.02	0.00	7.02	18.40	4.39	0.00	4.39
15.85	6.94	0.00	6.94	18.45	4.36	0.00	4.36
15.90	6.87	0.00	6.87	18.50	4.33	0.00	4.33
15.95	6.80	0.00	6.80	18.55	4.31	0.00	4.31
16.00	6.74	0.00	6.74	18.60	4.29	0.00	4.29
16.05	6.68	0.00	6.68	18.65	4.27	0.00	4.27
16.10	6.62	0.00	6.62	18.70	4.25	0.00	4.25
16.15	6.55	0.00	6.55	18.75	4.23	0.00	4.23
16.20	6.50	0.00	6.50	18.80	4.21	0.00	4.21
16.25	6.44	0.00	6.44	18.85	4.20	0.00	4.20
16.30	6.38	0.00	6.38	18.90	4.18	0.00	4.18
16.35	6.33	0.00	6.33	18.95	4.16	0.00	4.16
16.40	6.27	0.00	6.27	19.00	4.15	0.00	4.15
16.45	6.21	0.00	6.21	19.05	4.13	0.00	4.13
16.50	6.16	0.00	6.16	19.10	4.12	0.00	4.12
16.55	6.11	0.00	6.11	19.15	4.10	0.00	4.10
16.60	6.05	0.00	6.05	19.20	4.09	0.00	4.09
16.65	6.00	0.00	6.00	19.25	4.07	0.00	4.07
16.70	5.95	0.00	5.95	19.30	4.06	0.00	4.06
16.75	5.90	0.00	5.90	19.35	4.05	0.00	4.05
16.80	5.85	0.00	5.85	19.40	4.03	0.00	4.03
16.85	5.80	0.00	5.80	19.45	4.02	0.00	4.02
16.90	5.75	0.00	5.75	19.50	4.00	0.00	4.00
16.95	5.70	0.00	5.70	19.55	3.99	0.00	3.99
17.00	5.65	0.00	5.65	19.60	3.98	0.00	3.98
17.05	5.60	0.00	5.60	19.65	3.97	0.00	3.97
17.10	5.55	0.00	5.55	19.70	3.95	0.00	3.95
17.15	5.51	0.00	5.51	19.75	3.94	0.00	3.94
17.20	5.46	0.00	5.46	19.80	3.93	0.00	3.93
17.25	5.41	0.00	5.41	19.85	3.91	0.00	3.91
17.30	5.37	0.00	5.37	19.90	3.90	0.00	3.90
17.35	5.32	0.00	5.32	19.95	3.89	0.00	3.89
17.40	5.27	0.00	5.27	20.00	3.88	0.00	3.88
17.45	5.23	0.00	5.23	20.05	3.87	0.00	3.87
17.50	5.18	0.00	5.18	20.10	3.85	0.00	3.85
17.55	5.13	0.00	5.13	20.15	3.84	0.00	3.84
17.60	5.09	0.00	5.09	20.20	3.83	0.00	3.83
17.65	5.04	0.00	5.04	20.25	3.81	0.00	3.81
17.70	4.99	0.00	4.99	20.30	3.80	0.00	3.80
17.75	4.95	0.00	4.95	20.35	3.79	0.00	3.79
17.80	4.90	0.00	4.90	20.40	3.78	0.00	3.78
17.85	4.86	0.00	4.86	20.45	3.76	0.00	3.76
17.90	4.81	0.00	4.81	20.50	3.75	0.00	3.75
17.95	4.77	0.00	4.77	20.55	3.74	0.00	3.74
18.00	4.72	0.00	4.72	20.60	3.73	0.00	3.73
18.05	4.67	0.00	4.67	20.65	3.72	0.00	3.72
18.10	4.63	0.00	4.63	20.70	3.70	0.00	3.70
18.15	4.58	0.00	4.58	20.75	3.69	0.00	3.69

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	3.68	0.00	3.68	23.40	3.07	0.00	3.07
20.85	3.67	0.00	3.67	23.45	3.06	0.00	3.06
20.90	3.66	0.00	3.66	23.50	3.05	0.00	3.05
20.95	3.64	0.00	3.64	23.55	3.04	0.00	3.04
21.00	3.63	0.00	3.63	23.60	3.02	0.00	3.02
21.05	3.62	0.00	3.62	23.65	3.01	0.00	3.01
21.10	3.61	0.00	3.61	23.70	3.00	0.00	3.00
21.15	3.59	0.00	3.59	23.75	2.99	0.00	2.99
21.20	3.58	0.00	3.58	23.80	2.98	0.00	2.98
21.25	3.57	0.00	3.57	23.85	2.97	0.00	2.97
21.30	3.56	0.00	3.56	23.90	2.96	0.00	2.96
21.35	3.55	0.00	3.55	23.95	2.95	0.00	2.95
21.40	3.54	0.00	3.54	24.00	2.95	0.00	2.95
21.45	3.53	0.00	3.53	24.05	2.95	0.00	2.95
21.50	3.51	0.00	3.51	24.10	2.93	0.00	2.93
21.55	3.50	0.00	3.50	24.15	2.83	0.00	2.83
21.60	3.49	0.00	3.49	24.20	2.64	0.00	2.64
21.65	3.48	0.00	3.48	24.25	2.40	0.00	2.40
21.70	3.46	0.00	3.46	24.30	2.15	0.00	2.15
21.75	3.45	0.00	3.45	24.35	1.91	0.00	1.91
21.80	3.44	0.00	3.44	24.40	1.68	0.00	1.68
21.85	3.43	0.00	3.43	24.45	1.49	0.00	1.49
21.90	3.42	0.00	3.42	24.50	1.33	0.00	1.33
21.95	3.41	0.00	3.41	24.55	1.21	0.00	1.21
22.00	3.40	0.00	3.40	24.60	1.12	0.00	1.12
22.05	3.38	0.00	3.38	24.65	1.05	0.00	1.05
22.10	3.37	0.00	3.37	24.70	0.99	0.00	0.99
22.15	3.36	0.00	3.36	24.75	0.94	0.00	0.94
22.20	3.35	0.00	3.35	24.80	0.90	0.00	0.90
22.25	3.34	0.00	3.34	24.85	0.87	0.00	0.87
22.30	3.33	0.00	3.33	24.90	0.84	0.00	0.84
22.35	3.32	0.00	3.32	24.95	0.82	0.00	0.82
22.40	3.30	0.00	3.30	25.00	0.80	0.00	0.80
22.45	3.29	0.00	3.29	25.05	0.78	0.00	0.78
22.50	3.28	0.00	3.28	25.10	0.76	0.00	0.76
22.55	3.27	0.00	3.27	25.15	0.74	0.00	0.74
22.60	3.26	0.00	3.26	25.20	0.73	0.00	0.73
22.65	3.24	0.00	3.24	25.25	0.72	0.00	0.72
22.70	3.23	0.00	3.23	25.30	0.70	0.00	0.70
22.75	3.22	0.00	3.22	25.35	0.69	0.00	0.69
22.80	3.21	0.00	3.21	25.40	0.68	0.00	0.68
22.85	3.20	0.00	3.20	25.45	0.67	0.00	0.67
22.90	3.19	0.00	3.19	25.50	0.66	0.00	0.66
22.95	3.17	0.00	3.17	25.55	0.65	0.00	0.65
23.00	3.16	0.00	3.16	25.60	0.64	0.00	0.64
23.05	3.15	0.00	3.15	25.65	0.63	0.00	0.63
23.10	3.14	0.00	3.14	25.70	0.62	0.00	0.62
23.15	3.13	0.00	3.13	25.75	0.61	0.00	0.61
23.20	3.12	0.00	3.12	25.80	0.60	0.00	0.60
23.25	3.11	0.00	3.11	25.85	0.60	0.00	0.60
23.30	3.09	0.00	3.09	25.90	0.59	0.00	0.59
23.35	3.08	0.00	3.08	25.95	0.58	0.00	0.58

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.57	0.00	0.57	28.60	0.33	0.00	0.33
26.05	0.56	0.00	0.56	28.65	0.32	0.00	0.32
26.10	0.56	0.00	0.56	28.70	0.32	0.00	0.32
26.15	0.55	0.00	0.55	28.75	0.32	0.00	0.32
26.20	0.54	0.00	0.54	28.80	0.32	0.00	0.32
26.25	0.53	0.00	0.53	28.85	0.31	0.00	0.31
26.30	0.53	0.00	0.53	28.90	0.31	0.00	0.31
26.35	0.52	0.00	0.52	28.95	0.31	0.00	0.31
26.40	0.51	0.00	0.51	29.00	0.30	0.00	0.30
26.45	0.51	0.00	0.51	29.05	0.30	0.00	0.30
26.50	0.50	0.00	0.50	29.10	0.30	0.00	0.30
26.55	0.49	0.00	0.49	29.15	0.30	0.00	0.30
26.60	0.49	0.00	0.49	29.20	0.29	0.00	0.29
26.65	0.48	0.00	0.48	29.25	0.29	0.00	0.29
26.70	0.48	0.00	0.48	29.30	0.29	0.00	0.29
26.75	0.47	0.00	0.47	29.35	0.29	0.00	0.29
26.80	0.47	0.00	0.47	29.40	0.28	0.00	0.28
26.85	0.46	0.00	0.46	29.45	0.28	0.00	0.28
26.90	0.46	0.00	0.46	29.50	0.28	0.00	0.28
26.95	0.45	0.00	0.45	29.55	0.28	0.00	0.28
27.00	0.45	0.00	0.45	29.60	0.28	0.00	0.28
27.05	0.44	0.00	0.44	29.65	0.27	0.00	0.27
27.10	0.44	0.00	0.44	29.70	0.27	0.00	0.27
27.15	0.44	0.00	0.44	29.75	0.27	0.00	0.27
27.20	0.43	0.00	0.43	29.80	0.27	0.00	0.27
27.25	0.43	0.00	0.43	29.85	0.27	0.00	0.27
27.30	0.42	0.00	0.42	29.90	0.27	0.00	0.27
27.35	0.42	0.00	0.42	29.95	0.26	0.00	0.26
27.40	0.41	0.00	0.41	30.00	0.26	0.00	0.26
27.45	0.41	0.00	0.41	30.05	0.26	0.00	0.26
27.50	0.41	0.00	0.41	30.10	0.26	0.00	0.26
27.55	0.40	0.00	0.40	30.15	0.26	0.00	0.26
27.60	0.40	0.00	0.40	30.20	0.25	0.00	0.25
27.65	0.39	0.00	0.39	30.25	0.25	0.00	0.25
27.70	0.39	0.00	0.39	30.30	0.25	0.00	0.25
27.75	0.39	0.00	0.39	30.35	0.25	0.00	0.25
27.80	0.38	0.00	0.38	30.40	0.25	0.00	0.25
27.85	0.38	0.00	0.38	30.45	0.25	0.00	0.25
27.90	0.37	0.00	0.37	30.50	0.24	0.00	0.24
27.95	0.37	0.00	0.37	30.55	0.24	0.00	0.24
28.00	0.37	0.00	0.37	30.60	0.24	0.00	0.24
28.05	0.36	0.00	0.36	30.65	0.24	0.00	0.24
28.10	0.36	0.00	0.36	30.70	0.24	0.00	0.24
28.15	0.36	0.00	0.36	30.75	0.24	0.00	0.24
28.20	0.35	0.00	0.35	30.80	0.24	0.00	0.24
28.25	0.35	0.00	0.35	30.85	0.23	0.00	0.23
28.30	0.35	0.00	0.35	30.90	0.23	0.00	0.23
28.35	0.34	0.00	0.34	30.95	0.23	0.00	0.23
28.40	0.34	0.00	0.34	31.00	0.23	0.00	0.23
28.45	0.34	0.00	0.34	31.05	0.23	0.00	0.23
28.50	0.33	0.00	0.33	31.10	0.23	0.00	0.23
28.55	0.33	0.00	0.33	31.15	0.23	0.00	0.23

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.22	0.00	0.22	33.80	0.17	0.00	0.17
31.25	0.22	0.00	0.22	33.85	0.17	0.00	0.17
31.30	0.22	0.00	0.22	33.90	0.17	0.00	0.17
31.35	0.22	0.00	0.22	33.95	0.17	0.00	0.17
31.40	0.22	0.00	0.22	34.00	0.17	0.00	0.17
31.45	0.22	0.00	0.22	34.05	0.17	0.00	0.17
31.50	0.22	0.00	0.22	34.10	0.17	0.00	0.17
31.55	0.21	0.00	0.21	34.15	0.16	0.00	0.16
31.60	0.21	0.00	0.21	34.20	0.16	0.00	0.16
31.65	0.21	0.00	0.21	34.25	0.16	0.00	0.16
31.70	0.21	0.00	0.21	34.30	0.16	0.00	0.16
31.75	0.21	0.00	0.21	34.35	0.16	0.00	0.16
31.80	0.21	0.00	0.21	34.40	0.16	0.00	0.16
31.85	0.21	0.00	0.21	34.45	0.16	0.00	0.16
31.90	0.21	0.00	0.21	34.50	0.16	0.00	0.16
31.95	0.20	0.00	0.20	34.55	0.16	0.00	0.16
32.00	0.20	0.00	0.20	34.60	0.16	0.00	0.16
32.05	0.20	0.00	0.20	34.65	0.16	0.00	0.16
32.10	0.20	0.00	0.20	34.70	0.16	0.00	0.16
32.15	0.20	0.00	0.20	34.75	0.16	0.00	0.16
32.20	0.20	0.00	0.20	34.80	0.15	0.00	0.15
32.25	0.20	0.00	0.20	34.85	0.15	0.00	0.15
32.30	0.20	0.00	0.20	34.90	0.15	0.00	0.15
32.35	0.20	0.00	0.20	34.95	0.15	0.00	0.15
32.40	0.20	0.00	0.20	35.00	0.15	0.00	0.15
32.45	0.19	0.00	0.19	35.05	0.15	0.00	0.15
32.50	0.19	0.00	0.19	35.10	0.15	0.00	0.15
32.55	0.19	0.00	0.19	35.15	0.15	0.00	0.15
32.60	0.19	0.00	0.19	35.20	0.15	0.00	0.15
32.65	0.19	0.00	0.19	35.25	0.15	0.00	0.15
32.70	0.19	0.00	0.19	35.30	0.15	0.00	0.15
32.75	0.19	0.00	0.19	35.35	0.15	0.00	0.15
32.80	0.19	0.00	0.19	35.40	0.15	0.00	0.15
32.85	0.19	0.00	0.19	35.45	0.15	0.00	0.15
32.90	0.19	0.00	0.19	35.50	0.14	0.00	0.14
32.95	0.18	0.00	0.18	35.55	0.14	0.00	0.14
33.00	0.18	0.00	0.18	35.60	0.14	0.00	0.14
33.05	0.18	0.00	0.18	35.65	0.14	0.00	0.14
33.10	0.18	0.00	0.18	35.70	0.14	0.00	0.14
33.15	0.18	0.00	0.18	35.75	0.14	0.00	0.14
33.20	0.18	0.00	0.18	35.80	0.14	0.00	0.14
33.25	0.18	0.00	0.18	35.85	0.14	0.00	0.14
33.30	0.18	0.00	0.18	35.90	0.14	0.00	0.14
33.35	0.18	0.00	0.18	35.95	0.14	0.00	0.14
33.40	0.18	0.00	0.18	36.00	0.14	0.00	0.14
33.45	0.18	0.00	0.18	36.05	0.14	0.00	0.14
33.50	0.18	0.00	0.18	36.10	0.14	0.00	0.14
33.55	0.17	0.00	0.17	36.15	0.14	0.00	0.14
33.60	0.17	0.00	0.17	36.20	0.14	0.00	0.14
33.65	0.17	0.00	0.17	36.25	0.13	0.00	0.13
33.70	0.17	0.00	0.17	36.30	0.13	0.00	0.13
33.75	0.17	0.00	0.17	36.35	0.13	0.00	0.13

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

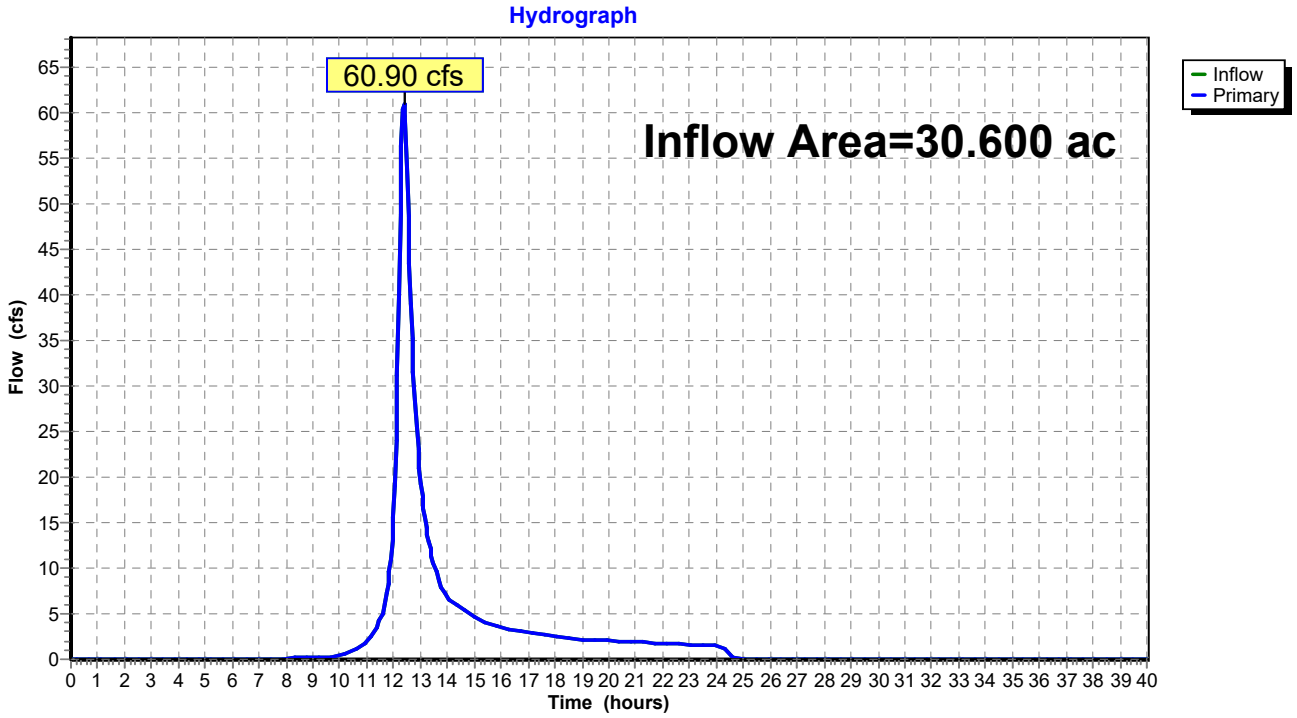
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.13	0.00	0.13
36.45	0.13	0.00	0.13
36.50	0.13	0.00	0.13
36.55	0.13	0.00	0.13
36.60	0.13	0.00	0.13
36.65	0.13	0.00	0.13
36.70	0.13	0.00	0.13
36.75	0.13	0.00	0.13
36.80	0.13	0.00	0.13
36.85	0.13	0.00	0.13
36.90	0.13	0.00	0.13
36.95	0.13	0.00	0.13
37.00	0.13	0.00	0.13
37.05	0.12	0.00	0.12
37.10	0.12	0.00	0.12
37.15	0.12	0.00	0.12
37.20	0.12	0.00	0.12
37.25	0.12	0.00	0.12
37.30	0.12	0.00	0.12
37.35	0.12	0.00	0.12
37.40	0.12	0.00	0.12
37.45	0.12	0.00	0.12
37.50	0.12	0.00	0.12
37.55	0.12	0.00	0.12
37.60	0.12	0.00	0.12
37.65	0.12	0.00	0.12
37.70	0.12	0.00	0.12
37.75	0.12	0.00	0.12
37.80	0.12	0.00	0.12
37.85	0.12	0.00	0.12
37.90	0.11	0.00	0.11
37.95	0.11	0.00	0.11
38.00	0.11	0.00	0.11
38.05	0.11	0.00	0.11
38.10	0.11	0.00	0.11
38.15	0.11	0.00	0.11
38.20	0.11	0.00	0.11
38.25	0.11	0.00	0.11
38.30	0.11	0.00	0.11
38.35	0.11	0.00	0.11
38.40	0.11	0.00	0.11
38.45	0.11	0.00	0.11
38.50	0.11	0.00	0.11
38.55	0.11	0.00	0.11
38.60	0.11	0.00	0.11
38.65	0.11	0.00	0.11
38.70	0.11	0.00	0.11
38.75	0.11	0.00	0.11
38.80	0.11	0.00	0.11
38.85	0.11	0.00	0.11
38.90	0.11	0.00	0.11
38.95	0.11	0.00	0.11
39.00	0.11	0.00	0.11
39.05	0.10	0.00	0.10
39.10	0.10	0.00	0.10
39.15	0.10	0.00	0.10
39.20	0.10	0.00	0.10
39.25	0.10	0.00	0.10
39.30	0.10	0.00	0.10
39.35	0.10	0.00	0.10
39.40	0.10	0.00	0.10
39.45	0.10	0.00	0.10
39.50	0.10	0.00	0.10
39.55	0.10	0.00	0.10
39.60	0.10	0.00	0.10
39.65	0.10	0.00	0.10
39.70	0.10	0.00	0.10
39.75	0.10	0.00	0.10
39.80	0.10	0.00	0.10
39.85	0.10	0.00	0.10
39.90	0.10	0.00	0.10
39.95	0.10	0.00	0.10
40.00	0.10	0.00	0.10

Summary for Link PDA-6OF: Proposed Offsite Drainage Area #6

Inflow Area = 30.600 ac, 2.48% Impervious, Inflow Depth = 2.73" for Future 10 yr event
Inflow = 60.90 cfs @ 12.38 hrs, Volume= 6.956 af
Primary = 60.90 cfs @ 12.38 hrs, Volume= 6.956 af, Atten= 0%, Lag= 0.0 min
Routed to Link PDA-6 : Proposed Drainage Area #6

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link PDA-6OF: Proposed Offsite Drainage Area #6



Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.03	0.00	0.03
0.05	0.00	0.00	0.00	2.65	0.03	0.00	0.03
0.10	0.00	0.00	0.00	2.70	0.03	0.00	0.03
0.15	0.00	0.00	0.00	2.75	0.03	0.00	0.03
0.20	0.00	0.00	0.00	2.80	0.03	0.00	0.03
0.25	0.00	0.00	0.00	2.85	0.03	0.00	0.03
0.30	0.00	0.00	0.00	2.90	0.03	0.00	0.03
0.35	0.00	0.00	0.00	2.95	0.04	0.00	0.04
0.40	0.00	0.00	0.00	3.00	0.04	0.00	0.04
0.45	0.00	0.00	0.00	3.05	0.04	0.00	0.04
0.50	0.00	0.00	0.00	3.10	0.04	0.00	0.04
0.55	0.00	0.00	0.00	3.15	0.04	0.00	0.04
0.60	0.00	0.00	0.00	3.20	0.04	0.00	0.04
0.65	0.00	0.00	0.00	3.25	0.04	0.00	0.04
0.70	0.00	0.00	0.00	3.30	0.04	0.00	0.04
0.75	0.00	0.00	0.00	3.35	0.04	0.00	0.04
0.80	0.00	0.00	0.00	3.40	0.04	0.00	0.04
0.85	0.00	0.00	0.00	3.45	0.04	0.00	0.04
0.90	0.00	0.00	0.00	3.50	0.04	0.00	0.04
0.95	0.00	0.00	0.00	3.55	0.04	0.00	0.04
1.00	0.00	0.00	0.00	3.60	0.04	0.00	0.04
1.05	0.00	0.00	0.00	3.65	0.04	0.00	0.04
1.10	0.00	0.00	0.00	3.70	0.04	0.00	0.04
1.15	0.00	0.00	0.00	3.75	0.04	0.00	0.04
1.20	0.00	0.00	0.00	3.80	0.04	0.00	0.04
1.25	0.01	0.00	0.01	3.85	0.05	0.00	0.05
1.30	0.01	0.00	0.01	3.90	0.05	0.00	0.05
1.35	0.01	0.00	0.01	3.95	0.05	0.00	0.05
1.40	0.01	0.00	0.01	4.00	0.05	0.00	0.05
1.45	0.01	0.00	0.01	4.05	0.05	0.00	0.05
1.50	0.01	0.00	0.01	4.10	0.05	0.00	0.05
1.55	0.01	0.00	0.01	4.15	0.05	0.00	0.05
1.60	0.01	0.00	0.01	4.20	0.05	0.00	0.05
1.65	0.01	0.00	0.01	4.25	0.05	0.00	0.05
1.70	0.02	0.00	0.02	4.30	0.05	0.00	0.05
1.75	0.02	0.00	0.02	4.35	0.05	0.00	0.05
1.80	0.02	0.00	0.02	4.40	0.05	0.00	0.05
1.85	0.02	0.00	0.02	4.45	0.05	0.00	0.05
1.90	0.02	0.00	0.02	4.50	0.05	0.00	0.05
1.95	0.02	0.00	0.02	4.55	0.05	0.00	0.05
2.00	0.02	0.00	0.02	4.60	0.05	0.00	0.05
2.05	0.02	0.00	0.02	4.65	0.05	0.00	0.05
2.10	0.02	0.00	0.02	4.70	0.05	0.00	0.05
2.15	0.02	0.00	0.02	4.75	0.05	0.00	0.05
2.20	0.02	0.00	0.02	4.80	0.05	0.00	0.05
2.25	0.03	0.00	0.03	4.85	0.05	0.00	0.05
2.30	0.03	0.00	0.03	4.90	0.05	0.00	0.05
2.35	0.03	0.00	0.03	4.95	0.05	0.00	0.05
2.40	0.03	0.00	0.03	5.00	0.05	0.00	0.05
2.45	0.03	0.00	0.03	5.05	0.05	0.00	0.05
2.50	0.03	0.00	0.03	5.10	0.06	0.00	0.06
2.55	0.03	0.00	0.03	5.15	0.06	0.00	0.06

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.06	0.00	0.06	7.80	0.09	0.00	0.09
5.25	0.06	0.00	0.06	7.85	0.09	0.00	0.09
5.30	0.06	0.00	0.06	7.90	0.09	0.00	0.09
5.35	0.06	0.00	0.06	7.95	0.09	0.00	0.09
5.40	0.06	0.00	0.06	8.00	0.09	0.00	0.09
5.45	0.06	0.00	0.06	8.05	0.10	0.00	0.10
5.50	0.06	0.00	0.06	8.10	0.10	0.00	0.10
5.55	0.06	0.00	0.06	8.15	0.10	0.00	0.10
5.60	0.06	0.00	0.06	8.20	0.10	0.00	0.10
5.65	0.06	0.00	0.06	8.25	0.10	0.00	0.10
5.70	0.06	0.00	0.06	8.30	0.10	0.00	0.10
5.75	0.06	0.00	0.06	8.35	0.10	0.00	0.10
5.80	0.06	0.00	0.06	8.40	0.10	0.00	0.10
5.85	0.06	0.00	0.06	8.45	0.10	0.00	0.10
5.90	0.06	0.00	0.06	8.50	0.10	0.00	0.10
5.95	0.06	0.00	0.06	8.55	0.10	0.00	0.10
6.00	0.06	0.00	0.06	8.60	0.11	0.00	0.11
6.05	0.06	0.00	0.06	8.65	0.11	0.00	0.11
6.10	0.06	0.00	0.06	8.70	0.11	0.00	0.11
6.15	0.06	0.00	0.06	8.75	0.11	0.00	0.11
6.20	0.06	0.00	0.06	8.80	0.11	0.00	0.11
6.25	0.06	0.00	0.06	8.85	0.11	0.00	0.11
6.30	0.06	0.00	0.06	8.90	0.11	0.00	0.11
6.35	0.06	0.00	0.06	8.95	0.11	0.00	0.11
6.40	0.07	0.00	0.07	9.00	0.11	0.00	0.11
6.45	0.07	0.00	0.07	9.05	0.11	0.00	0.11
6.50	0.07	0.00	0.07	9.10	0.11	0.00	0.11
6.55	0.07	0.00	0.07	9.15	0.12	0.00	0.12
6.60	0.07	0.00	0.07	9.20	0.12	0.00	0.12
6.65	0.07	0.00	0.07	9.25	0.12	0.00	0.12
6.70	0.07	0.00	0.07	9.30	0.13	0.00	0.13
6.75	0.07	0.00	0.07	9.35	0.13	0.00	0.13
6.80	0.07	0.00	0.07	9.40	0.15	0.00	0.15
6.85	0.07	0.00	0.07	9.45	0.16	0.00	0.16
6.90	0.07	0.00	0.07	9.50	0.18	0.00	0.18
6.95	0.07	0.00	0.07	9.55	0.20	0.00	0.20
7.00	0.08	0.00	0.08	9.60	0.22	0.00	0.22
7.05	0.08	0.00	0.08	9.65	0.25	0.00	0.25
7.10	0.08	0.00	0.08	9.70	0.28	0.00	0.28
7.15	0.08	0.00	0.08	9.75	0.31	0.00	0.31
7.20	0.08	0.00	0.08	9.80	0.34	0.00	0.34
7.25	0.08	0.00	0.08	9.85	0.38	0.00	0.38
7.30	0.08	0.00	0.08	9.90	0.41	0.00	0.41
7.35	0.08	0.00	0.08	9.95	0.45	0.00	0.45
7.40	0.08	0.00	0.08	10.00	0.49	0.00	0.49
7.45	0.08	0.00	0.08	10.05	0.53	0.00	0.53
7.50	0.08	0.00	0.08	10.10	0.58	0.00	0.58
7.55	0.09	0.00	0.09	10.15	0.62	0.00	0.62
7.60	0.09	0.00	0.09	10.20	0.67	0.00	0.67
7.65	0.09	0.00	0.09	10.25	0.72	0.00	0.72
7.70	0.09	0.00	0.09	10.30	0.77	0.00	0.77
7.75	0.09	0.00	0.09	10.35	0.82	0.00	0.82

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.87	0.00	0.87	13.00	19.26	0.00	19.26
10.45	0.93	0.00	0.93	13.05	17.81	0.00	17.81
10.50	0.98	0.00	0.98	13.10	16.57	0.00	16.57
10.55	1.04	0.00	1.04	13.15	15.47	0.00	15.47
10.60	1.10	0.00	1.10	13.20	14.49	0.00	14.49
10.65	1.17	0.00	1.17	13.25	13.60	0.00	13.60
10.70	1.24	0.00	1.24	13.30	12.80	0.00	12.80
10.75	1.33	0.00	1.33	13.35	12.07	0.00	12.07
10.80	1.42	0.00	1.42	13.40	11.41	0.00	11.41
10.85	1.53	0.00	1.53	13.45	10.82	0.00	10.82
10.90	1.65	0.00	1.65	13.50	10.27	0.00	10.27
10.95	1.78	0.00	1.78	13.55	9.78	0.00	9.78
11.00	1.92	0.00	1.92	13.60	9.33	0.00	9.33
11.05	2.08	0.00	2.08	13.65	8.91	0.00	8.91
11.10	2.24	0.00	2.24	13.70	8.52	0.00	8.52
11.15	2.42	0.00	2.42	13.75	8.14	0.00	8.14
11.20	2.62	0.00	2.62	13.80	7.80	0.00	7.80
11.25	2.85	0.00	2.85	13.85	7.49	0.00	7.49
11.30	3.10	0.00	3.10	13.90	7.22	0.00	7.22
11.35	3.38	0.00	3.38	13.95	6.99	0.00	6.99
11.40	3.68	0.00	3.68	14.00	6.80	0.00	6.80
11.45	4.02	0.00	4.02	14.05	6.63	0.00	6.63
11.50	4.38	0.00	4.38	14.10	6.48	0.00	6.48
11.55	4.76	0.00	4.76	14.15	6.34	0.00	6.34
11.60	5.21	0.00	5.21	14.20	6.22	0.00	6.22
11.65	5.75	0.00	5.75	14.25	6.10	0.00	6.10
11.70	6.43	0.00	6.43	14.30	5.99	0.00	5.99
11.75	7.28	0.00	7.28	14.35	5.88	0.00	5.88
11.80	8.31	0.00	8.31	14.40	5.78	0.00	5.78
11.85	9.54	0.00	9.54	14.45	5.68	0.00	5.68
11.90	11.05	0.00	11.05	14.50	5.58	0.00	5.58
11.95	12.97	0.00	12.97	14.55	5.49	0.00	5.49
12.00	15.54	0.00	15.54	14.60	5.39	0.00	5.39
12.05	19.04	0.00	19.04	14.65	5.30	0.00	5.30
12.10	24.08	0.00	24.08	14.70	5.20	0.00	5.20
12.15	31.09	0.00	31.09	14.75	5.10	0.00	5.10
12.20	39.78	0.00	39.78	14.80	5.01	0.00	5.01
12.25	48.86	0.00	48.86	14.85	4.91	0.00	4.91
12.30	56.34	0.00	56.34	14.90	4.82	0.00	4.82
12.35	60.33	0.00	60.33	14.95	4.72	0.00	4.72
12.40	**60.72**	0.00	**60.72**	15.00	4.63	0.00	4.63
12.45	58.35	0.00	58.35	15.05	4.53	0.00	4.53
12.50	53.98	0.00	53.98	15.10	4.44	0.00	4.44
12.55	48.69	0.00	48.69	15.15	4.34	0.00	4.34
12.60	43.48	0.00	43.48	15.20	4.24	0.00	4.24
12.65	39.01	0.00	39.01	15.25	4.15	0.00	4.15
12.70	35.07	0.00	35.07	15.30	4.07	0.00	4.07
12.75	31.50	0.00	31.50	15.35	3.99	0.00	3.99
12.80	28.29	0.00	28.29	15.40	3.92	0.00	3.92
12.85	25.49	0.00	25.49	15.45	3.86	0.00	3.86
12.90	23.07	0.00	23.07	15.50	3.81	0.00	3.81
12.95	21.00	0.00	21.00	15.55	3.76	0.00	3.76

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	3.72	0.00	3.72	18.20	2.35	0.00	2.35
15.65	3.69	0.00	3.69	18.25	2.33	0.00	2.33
15.70	3.66	0.00	3.66	18.30	2.30	0.00	2.30
15.75	3.63	0.00	3.63	18.35	2.28	0.00	2.28
15.80	3.60	0.00	3.60	18.40	2.26	0.00	2.26
15.85	3.57	0.00	3.57	18.45	2.25	0.00	2.25
15.90	3.54	0.00	3.54	18.50	2.23	0.00	2.23
15.95	3.51	0.00	3.51	18.55	2.22	0.00	2.22
16.00	3.48	0.00	3.48	18.60	2.21	0.00	2.21
16.05	3.46	0.00	3.46	18.65	2.20	0.00	2.20
16.10	3.43	0.00	3.43	18.70	2.19	0.00	2.19
16.15	3.41	0.00	3.41	18.75	2.18	0.00	2.18
16.20	3.38	0.00	3.38	18.80	2.18	0.00	2.18
16.25	3.36	0.00	3.36	18.85	2.17	0.00	2.17
16.30	3.33	0.00	3.33	18.90	2.16	0.00	2.16
16.35	3.31	0.00	3.31	18.95	2.16	0.00	2.16
16.40	3.28	0.00	3.28	19.00	2.15	0.00	2.15
16.45	3.26	0.00	3.26	19.05	2.14	0.00	2.14
16.50	3.23	0.00	3.23	19.10	2.14	0.00	2.14
16.55	3.21	0.00	3.21	19.15	2.13	0.00	2.13
16.60	3.18	0.00	3.18	19.20	2.12	0.00	2.12
16.65	3.16	0.00	3.16	19.25	2.12	0.00	2.12
16.70	3.13	0.00	3.13	19.30	2.11	0.00	2.11
16.75	3.11	0.00	3.11	19.35	2.10	0.00	2.10
16.80	3.08	0.00	3.08	19.40	2.10	0.00	2.10
16.85	3.05	0.00	3.05	19.45	2.09	0.00	2.09
16.90	3.03	0.00	3.03	19.50	2.09	0.00	2.09
16.95	3.00	0.00	3.00	19.55	2.08	0.00	2.08
17.00	2.98	0.00	2.98	19.60	2.07	0.00	2.07
17.05	2.95	0.00	2.95	19.65	2.07	0.00	2.07
17.10	2.93	0.00	2.93	19.70	2.06	0.00	2.06
17.15	2.90	0.00	2.90	19.75	2.05	0.00	2.05
17.20	2.88	0.00	2.88	19.80	2.05	0.00	2.05
17.25	2.85	0.00	2.85	19.85	2.04	0.00	2.04
17.30	2.82	0.00	2.82	19.90	2.04	0.00	2.04
17.35	2.80	0.00	2.80	19.95	2.03	0.00	2.03
17.40	2.77	0.00	2.77	20.00	2.03	0.00	2.03
17.45	2.75	0.00	2.75	20.05	2.02	0.00	2.02
17.50	2.72	0.00	2.72	20.10	2.01	0.00	2.01
17.55	2.69	0.00	2.69	20.15	2.01	0.00	2.01
17.60	2.67	0.00	2.67	20.20	2.00	0.00	2.00
17.65	2.64	0.00	2.64	20.25	1.99	0.00	1.99
17.70	2.61	0.00	2.61	20.30	1.98	0.00	1.98
17.75	2.59	0.00	2.59	20.35	1.98	0.00	1.98
17.80	2.56	0.00	2.56	20.40	1.97	0.00	1.97
17.85	2.54	0.00	2.54	20.45	1.96	0.00	1.96
17.90	2.51	0.00	2.51	20.50	1.96	0.00	1.96
17.95	2.48	0.00	2.48	20.55	1.95	0.00	1.95
18.00	2.46	0.00	2.46	20.60	1.94	0.00	1.94
18.05	2.43	0.00	2.43	20.65	1.94	0.00	1.94
18.10	2.40	0.00	2.40	20.70	1.93	0.00	1.93
18.15	2.38	0.00	2.38	20.75	1.93	0.00	1.93

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	1.92	0.00	1.92	23.40	1.58	0.00	1.58
20.85	1.92	0.00	1.92	23.45	1.57	0.00	1.57
20.90	1.91	0.00	1.91	23.50	1.56	0.00	1.56
20.95	1.90	0.00	1.90	23.55	1.56	0.00	1.56
21.00	1.90	0.00	1.90	23.60	1.55	0.00	1.55
21.05	1.89	0.00	1.89	23.65	1.54	0.00	1.54
21.10	1.88	0.00	1.88	23.70	1.54	0.00	1.54
21.15	1.87	0.00	1.87	23.75	1.53	0.00	1.53
21.20	1.87	0.00	1.87	23.80	1.52	0.00	1.52
21.25	1.86	0.00	1.86	23.85	1.52	0.00	1.52
21.30	1.85	0.00	1.85	23.90	1.51	0.00	1.51
21.35	1.85	0.00	1.85	23.95	1.51	0.00	1.51
21.40	1.84	0.00	1.84	24.00	1.50	0.00	1.50
21.45	1.84	0.00	1.84	24.05	1.50	0.00	1.50
21.50	1.83	0.00	1.83	24.10	1.50	0.00	1.50
21.55	1.82	0.00	1.82	24.15	1.47	0.00	1.47
21.60	1.82	0.00	1.82	24.20	1.40	0.00	1.40
21.65	1.81	0.00	1.81	24.25	1.26	0.00	1.26
21.70	1.80	0.00	1.80	24.30	1.08	0.00	1.08
21.75	1.80	0.00	1.80	24.35	0.89	0.00	0.89
21.80	1.79	0.00	1.79	24.40	0.70	0.00	0.70
21.85	1.78	0.00	1.78	24.45	0.53	0.00	0.53
21.90	1.78	0.00	1.78	24.50	0.40	0.00	0.40
21.95	1.77	0.00	1.77	24.55	0.30	0.00	0.30
22.00	1.76	0.00	1.76	24.60	0.23	0.00	0.23
22.05	1.76	0.00	1.76	24.65	0.17	0.00	0.17
22.10	1.75	0.00	1.75	24.70	0.13	0.00	0.13
22.15	1.75	0.00	1.75	24.75	0.10	0.00	0.10
22.20	1.74	0.00	1.74	24.80	0.07	0.00	0.07
22.25	1.73	0.00	1.73	24.85	0.05	0.00	0.05
22.30	1.72	0.00	1.72	24.90	0.04	0.00	0.04
22.35	1.72	0.00	1.72	24.95	0.03	0.00	0.03
22.40	1.71	0.00	1.71	25.00	0.02	0.00	0.02
22.45	1.71	0.00	1.71	25.05	0.02	0.00	0.02
22.50	1.70	0.00	1.70	25.10	0.01	0.00	0.01
22.55	1.69	0.00	1.69	25.15	0.01	0.00	0.01
22.60	1.68	0.00	1.68	25.20	0.01	0.00	0.01
22.65	1.68	0.00	1.68	25.25	0.00	0.00	0.00
22.70	1.67	0.00	1.67	25.30	0.00	0.00	0.00
22.75	1.67	0.00	1.67	25.35	0.00	0.00	0.00
22.80	1.66	0.00	1.66	25.40	0.00	0.00	0.00
22.85	1.65	0.00	1.65	25.45	0.00	0.00	0.00
22.90	1.65	0.00	1.65	25.50	0.00	0.00	0.00
22.95	1.64	0.00	1.64	25.55	0.00	0.00	0.00
23.00	1.63	0.00	1.63	25.60	0.00	0.00	0.00
23.05	1.62	0.00	1.62	25.65	0.00	0.00	0.00
23.10	1.62	0.00	1.62	25.70	0.00	0.00	0.00
23.15	1.61	0.00	1.61	25.75	0.00	0.00	0.00
23.20	1.61	0.00	1.61	25.80	0.00	0.00	0.00
23.25	1.60	0.00	1.60	25.85	0.00	0.00	0.00
23.30	1.59	0.00	1.59	25.90	0.00	0.00	0.00
23.35	1.58	0.00	1.58	25.95	0.00	0.00	0.00

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

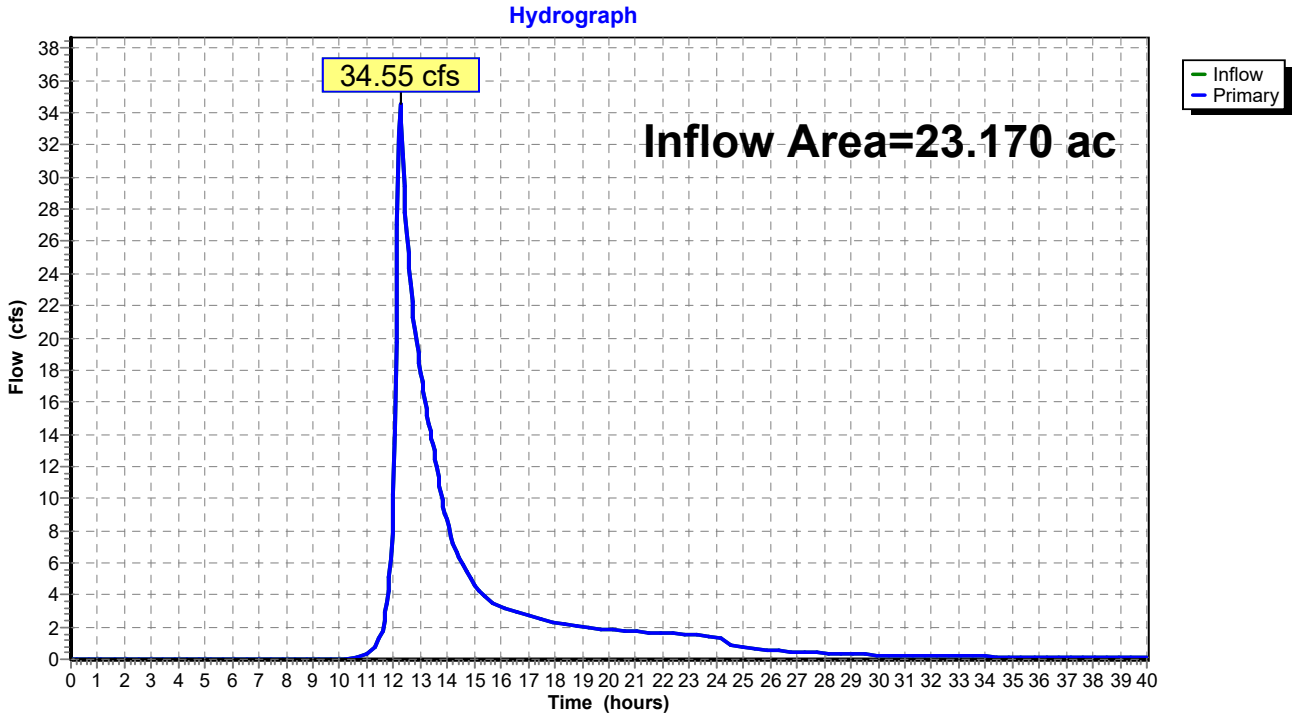
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link PDA-6ON: Proposed Onsite Drainage Area #6

Inflow Area = 23.170 ac, 25.64% Impervious, Inflow Depth > 3.01" for Future 10 yr event
Inflow = 34.55 cfs @ 12.26 hrs, Volume= 5.815 af
Primary = 34.55 cfs @ 12.26 hrs, Volume= 5.815 af, Atten= 0%, Lag= 0.0 min
Routed to Link PDA-6 : Proposed Drainage Area #6

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link PDA-6ON: Proposed Onsite Drainage Area #6



Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.00	0.00	0.00
5.25	0.00	0.00	0.00	7.85	0.00	0.00	0.00
5.30	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5.35	0.00	0.00	0.00	7.95	0.00	0.00	0.00
5.40	0.00	0.00	0.00	8.00	0.00	0.00	0.00
5.45	0.00	0.00	0.00	8.05	0.00	0.00	0.00
5.50	0.00	0.00	0.00	8.10	0.00	0.00	0.00
5.55	0.00	0.00	0.00	8.15	0.00	0.00	0.00
5.60	0.00	0.00	0.00	8.20	0.00	0.00	0.00
5.65	0.00	0.00	0.00	8.25	0.00	0.00	0.00
5.70	0.00	0.00	0.00	8.30	0.00	0.00	0.00
5.75	0.00	0.00	0.00	8.35	0.00	0.00	0.00
5.80	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5.85	0.00	0.00	0.00	8.45	0.00	0.00	0.00
5.90	0.00	0.00	0.00	8.50	0.00	0.00	0.00
5.95	0.00	0.00	0.00	8.55	0.00	0.00	0.00
6.00	0.00	0.00	0.00	8.60	0.00	0.00	0.00
6.05	0.00	0.00	0.00	8.65	0.00	0.00	0.00
6.10	0.00	0.00	0.00	8.70	0.00	0.00	0.00
6.15	0.00	0.00	0.00	8.75	0.00	0.00	0.00
6.20	0.00	0.00	0.00	8.80	0.00	0.00	0.00
6.25	0.00	0.00	0.00	8.85	0.00	0.00	0.00
6.30	0.00	0.00	0.00	8.90	0.00	0.00	0.00
6.35	0.00	0.00	0.00	8.95	0.00	0.00	0.00
6.40	0.00	0.00	0.00	9.00	0.00	0.00	0.00
6.45	0.00	0.00	0.00	9.05	0.00	0.00	0.00
6.50	0.00	0.00	0.00	9.10	0.00	0.00	0.00
6.55	0.00	0.00	0.00	9.15	0.00	0.00	0.00
6.60	0.00	0.00	0.00	9.20	0.00	0.00	0.00
6.65	0.00	0.00	0.00	9.25	0.00	0.00	0.00
6.70	0.00	0.00	0.00	9.30	0.00	0.00	0.00
6.75	0.00	0.00	0.00	9.35	0.00	0.00	0.00
6.80	0.00	0.00	0.00	9.40	0.00	0.00	0.00
6.85	0.00	0.00	0.00	9.45	0.00	0.00	0.00
6.90	0.00	0.00	0.00	9.50	0.00	0.00	0.00
6.95	0.00	0.00	0.00	9.55	0.00	0.00	0.00
7.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00
7.05	0.00	0.00	0.00	9.65	0.00	0.00	0.00
7.10	0.00	0.00	0.00	9.70	0.00	0.00	0.00
7.15	0.00	0.00	0.00	9.75	0.00	0.00	0.00
7.20	0.00	0.00	0.00	9.80	0.00	0.00	0.00
7.25	0.00	0.00	0.00	9.85	0.00	0.00	0.00
7.30	0.00	0.00	0.00	9.90	0.00	0.00	0.00
7.35	0.00	0.00	0.00	9.95	0.00	0.00	0.00
7.40	0.00	0.00	0.00	10.00	0.00	0.00	0.00
7.45	0.00	0.00	0.00	10.05	0.00	0.00	0.00
7.50	0.00	0.00	0.00	10.10	0.00	0.00	0.00
7.55	0.00	0.00	0.00	10.15	0.00	0.00	0.00
7.60	0.00	0.00	0.00	10.20	0.00	0.00	0.00
7.65	0.00	0.00	0.00	10.25	0.01	0.00	0.01
7.70	0.00	0.00	0.00	10.30	0.01	0.00	0.01
7.75	0.00	0.00	0.00	10.35	0.02	0.00	0.02

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	0.03	0.00	0.03	13.00	17.79	0.00	17.79
10.45	0.04	0.00	0.04	13.05	17.20	0.00	17.20
10.50	0.06	0.00	0.06	13.10	16.64	0.00	16.64
10.55	0.07	0.00	0.07	13.15	16.10	0.00	16.10
10.60	0.08	0.00	0.08	13.20	15.59	0.00	15.59
10.65	0.10	0.00	0.10	13.25	15.11	0.00	15.11
10.70	0.12	0.00	0.12	13.30	14.65	0.00	14.65
10.75	0.14	0.00	0.14	13.35	14.21	0.00	14.21
10.80	0.17	0.00	0.17	13.40	13.78	0.00	13.78
10.85	0.20	0.00	0.20	13.45	13.36	0.00	13.36
10.90	0.23	0.00	0.23	13.50	12.94	0.00	12.94
10.95	0.27	0.00	0.27	13.55	12.47	0.00	12.47
11.00	0.30	0.00	0.30	13.60	11.96	0.00	11.96
11.05	0.35	0.00	0.35	13.65	11.37	0.00	11.37
11.10	0.40	0.00	0.40	13.70	10.82	0.00	10.82
11.15	0.47	0.00	0.47	13.75	10.33	0.00	10.33
11.20	0.55	0.00	0.55	13.80	9.88	0.00	9.88
11.25	0.63	0.00	0.63	13.85	9.46	0.00	9.46
11.30	0.74	0.00	0.74	13.90	9.08	0.00	9.08
11.35	0.87	0.00	0.87	13.95	8.72	0.00	8.72
11.40	1.01	0.00	1.01	14.00	8.39	0.00	8.39
11.45	1.18	0.00	1.18	14.05	8.08	0.00	8.08
11.50	1.37	0.00	1.37	14.10	7.79	0.00	7.79
11.55	1.61	0.00	1.61	14.15	7.52	0.00	7.52
11.60	1.93	0.00	1.93	14.20	7.26	0.00	7.26
11.65	2.38	0.00	2.38	14.25	7.02	0.00	7.02
11.70	2.93	0.00	2.93	14.30	6.80	0.00	6.80
11.75	3.53	0.00	3.53	14.35	6.59	0.00	6.59
11.80	4.23	0.00	4.23	14.40	6.39	0.00	6.39
11.85	5.10	0.00	5.10	14.45	6.20	0.00	6.20
11.90	6.24	0.00	6.24	14.50	6.02	0.00	6.02
11.95	7.83	0.00	7.83	14.55	5.86	0.00	5.86
12.00	10.21	0.00	10.21	14.60	5.70	0.00	5.70
12.05	13.99	0.00	13.99	14.65	5.54	0.00	5.54
12.10	19.78	0.00	19.78	14.70	5.39	0.00	5.39
12.15	27.05	0.00	27.05	14.75	5.25	0.00	5.25
12.20	32.72	0.00	32.72	14.80	5.12	0.00	5.12
12.25	**34.53**	0.00	**34.53**	14.85	4.99	0.00	4.99
12.30	33.52	0.00	33.52	14.90	4.87	0.00	4.87
12.35	31.41	0.00	31.41	14.95	4.75	0.00	4.75
12.40	29.43	0.00	29.43	15.00	4.63	0.00	4.63
12.45	27.77	0.00	27.77	15.05	4.51	0.00	4.51
12.50	26.40	0.00	26.40	15.10	4.40	0.00	4.40
12.55	25.30	0.00	25.30	15.15	4.30	0.00	4.30
12.60	24.34	0.00	24.34	15.20	4.20	0.00	4.20
12.65	23.31	0.00	23.31	15.25	4.11	0.00	4.11
12.70	22.26	0.00	22.26	15.30	4.02	0.00	4.02
12.75	21.30	0.00	21.30	15.35	3.94	0.00	3.94
12.80	20.48	0.00	20.48	15.40	3.87	0.00	3.87
12.85	19.76	0.00	19.76	15.45	3.81	0.00	3.81
12.90	19.08	0.00	19.08	15.50	3.74	0.00	3.74
12.95	18.42	0.00	18.42	15.55	3.68	0.00	3.68

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	3.63	0.00	3.63	18.20	2.19	0.00	2.19
15.65	3.57	0.00	3.57	18.25	2.17	0.00	2.17
15.70	3.52	0.00	3.52	18.30	2.15	0.00	2.15
15.75	3.47	0.00	3.47	18.35	2.14	0.00	2.14
15.80	3.42	0.00	3.42	18.40	2.13	0.00	2.13
15.85	3.38	0.00	3.38	18.45	2.11	0.00	2.11
15.90	3.33	0.00	3.33	18.50	2.10	0.00	2.10
15.95	3.29	0.00	3.29	18.55	2.09	0.00	2.09
16.00	3.26	0.00	3.26	18.60	2.08	0.00	2.08
16.05	3.22	0.00	3.22	18.65	2.07	0.00	2.07
16.10	3.18	0.00	3.18	18.70	2.05	0.00	2.05
16.15	3.15	0.00	3.15	18.75	2.04	0.00	2.04
16.20	3.11	0.00	3.11	18.80	2.03	0.00	2.03
16.25	3.08	0.00	3.08	18.85	2.03	0.00	2.03
16.30	3.05	0.00	3.05	18.90	2.02	0.00	2.02
16.35	3.02	0.00	3.02	18.95	2.01	0.00	2.01
16.40	2.99	0.00	2.99	19.00	2.00	0.00	2.00
16.45	2.96	0.00	2.96	19.05	1.99	0.00	1.99
16.50	2.93	0.00	2.93	19.10	1.98	0.00	1.98
16.55	2.90	0.00	2.90	19.15	1.97	0.00	1.97
16.60	2.87	0.00	2.87	19.20	1.97	0.00	1.97
16.65	2.84	0.00	2.84	19.25	1.96	0.00	1.96
16.70	2.82	0.00	2.82	19.30	1.95	0.00	1.95
16.75	2.79	0.00	2.79	19.35	1.94	0.00	1.94
16.80	2.77	0.00	2.77	19.40	1.93	0.00	1.93
16.85	2.74	0.00	2.74	19.45	1.93	0.00	1.93
16.90	2.72	0.00	2.72	19.50	1.92	0.00	1.92
16.95	2.69	0.00	2.69	19.55	1.91	0.00	1.91
17.00	2.67	0.00	2.67	19.60	1.91	0.00	1.91
17.05	2.65	0.00	2.65	19.65	1.90	0.00	1.90
17.10	2.63	0.00	2.63	19.70	1.89	0.00	1.89
17.15	2.61	0.00	2.61	19.75	1.89	0.00	1.89
17.20	2.59	0.00	2.59	19.80	1.88	0.00	1.88
17.25	2.56	0.00	2.56	19.85	1.87	0.00	1.87
17.30	2.54	0.00	2.54	19.90	1.87	0.00	1.87
17.35	2.52	0.00	2.52	19.95	1.86	0.00	1.86
17.40	2.50	0.00	2.50	20.00	1.85	0.00	1.85
17.45	2.48	0.00	2.48	20.05	1.85	0.00	1.85
17.50	2.46	0.00	2.46	20.10	1.84	0.00	1.84
17.55	2.44	0.00	2.44	20.15	1.83	0.00	1.83
17.60	2.42	0.00	2.42	20.20	1.83	0.00	1.83
17.65	2.40	0.00	2.40	20.25	1.82	0.00	1.82
17.70	2.38	0.00	2.38	20.30	1.82	0.00	1.82
17.75	2.36	0.00	2.36	20.35	1.81	0.00	1.81
17.80	2.34	0.00	2.34	20.40	1.80	0.00	1.80
17.85	2.32	0.00	2.32	20.45	1.80	0.00	1.80
17.90	2.30	0.00	2.30	20.50	1.79	0.00	1.79
17.95	2.28	0.00	2.28	20.55	1.79	0.00	1.79
18.00	2.26	0.00	2.26	20.60	1.78	0.00	1.78
18.05	2.24	0.00	2.24	20.65	1.78	0.00	1.78
18.10	2.22	0.00	2.22	20.70	1.77	0.00	1.77
18.15	2.20	0.00	2.20	20.75	1.77	0.00	1.77

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	1.76	0.00	1.76	23.40	1.49	0.00	1.49
20.85	1.75	0.00	1.75	23.45	1.49	0.00	1.49
20.90	1.75	0.00	1.75	23.50	1.48	0.00	1.48
20.95	1.74	0.00	1.74	23.55	1.48	0.00	1.48
21.00	1.74	0.00	1.74	23.60	1.47	0.00	1.47
21.05	1.73	0.00	1.73	23.65	1.47	0.00	1.47
21.10	1.73	0.00	1.73	23.70	1.46	0.00	1.46
21.15	1.72	0.00	1.72	23.75	1.46	0.00	1.46
21.20	1.71	0.00	1.71	23.80	1.45	0.00	1.45
21.25	1.71	0.00	1.71	23.85	1.45	0.00	1.45
21.30	1.70	0.00	1.70	23.90	1.44	0.00	1.44
21.35	1.70	0.00	1.70	23.95	1.44	0.00	1.44
21.40	1.69	0.00	1.69	24.00	1.44	0.00	1.44
21.45	1.69	0.00	1.69	24.05	1.45	0.00	1.45
21.50	1.68	0.00	1.68	24.10	1.43	0.00	1.43
21.55	1.68	0.00	1.68	24.15	1.35	0.00	1.35
21.60	1.67	0.00	1.67	24.20	1.24	0.00	1.24
21.65	1.67	0.00	1.67	24.25	1.14	0.00	1.14
21.70	1.66	0.00	1.66	24.30	1.07	0.00	1.07
21.75	1.66	0.00	1.66	24.35	1.02	0.00	1.02
21.80	1.65	0.00	1.65	24.40	0.98	0.00	0.98
21.85	1.65	0.00	1.65	24.45	0.96	0.00	0.96
21.90	1.64	0.00	1.64	24.50	0.93	0.00	0.93
21.95	1.64	0.00	1.64	24.55	0.91	0.00	0.91
22.00	1.63	0.00	1.63	24.60	0.89	0.00	0.89
22.05	1.63	0.00	1.63	24.65	0.88	0.00	0.88
22.10	1.62	0.00	1.62	24.70	0.86	0.00	0.86
22.15	1.62	0.00	1.62	24.75	0.85	0.00	0.85
22.20	1.61	0.00	1.61	24.80	0.83	0.00	0.83
22.25	1.61	0.00	1.61	24.85	0.82	0.00	0.82
22.30	1.60	0.00	1.60	24.90	0.80	0.00	0.80
22.35	1.60	0.00	1.60	24.95	0.79	0.00	0.79
22.40	1.59	0.00	1.59	25.00	0.77	0.00	0.77
22.45	1.59	0.00	1.59	25.05	0.76	0.00	0.76
22.50	1.58	0.00	1.58	25.10	0.75	0.00	0.75
22.55	1.58	0.00	1.58	25.15	0.73	0.00	0.73
22.60	1.57	0.00	1.57	25.20	0.72	0.00	0.72
22.65	1.57	0.00	1.57	25.25	0.71	0.00	0.71
22.70	1.56	0.00	1.56	25.30	0.70	0.00	0.70
22.75	1.56	0.00	1.56	25.35	0.69	0.00	0.69
22.80	1.55	0.00	1.55	25.40	0.68	0.00	0.68
22.85	1.55	0.00	1.55	25.45	0.67	0.00	0.67
22.90	1.54	0.00	1.54	25.50	0.66	0.00	0.66
22.95	1.54	0.00	1.54	25.55	0.65	0.00	0.65
23.00	1.53	0.00	1.53	25.60	0.64	0.00	0.64
23.05	1.53	0.00	1.53	25.65	0.63	0.00	0.63
23.10	1.52	0.00	1.52	25.70	0.62	0.00	0.62
23.15	1.52	0.00	1.52	25.75	0.61	0.00	0.61
23.20	1.51	0.00	1.51	25.80	0.60	0.00	0.60
23.25	1.51	0.00	1.51	25.85	0.60	0.00	0.60
23.30	1.50	0.00	1.50	25.90	0.59	0.00	0.59
23.35	1.50	0.00	1.50	25.95	0.58	0.00	0.58

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.57	0.00	0.57	28.60	0.33	0.00	0.33
26.05	0.56	0.00	0.56	28.65	0.32	0.00	0.32
26.10	0.56	0.00	0.56	28.70	0.32	0.00	0.32
26.15	0.55	0.00	0.55	28.75	0.32	0.00	0.32
26.20	0.54	0.00	0.54	28.80	0.32	0.00	0.32
26.25	0.53	0.00	0.53	28.85	0.31	0.00	0.31
26.30	0.53	0.00	0.53	28.90	0.31	0.00	0.31
26.35	0.52	0.00	0.52	28.95	0.31	0.00	0.31
26.40	0.51	0.00	0.51	29.00	0.30	0.00	0.30
26.45	0.51	0.00	0.51	29.05	0.30	0.00	0.30
26.50	0.50	0.00	0.50	29.10	0.30	0.00	0.30
26.55	0.49	0.00	0.49	29.15	0.30	0.00	0.30
26.60	0.49	0.00	0.49	29.20	0.29	0.00	0.29
26.65	0.48	0.00	0.48	29.25	0.29	0.00	0.29
26.70	0.48	0.00	0.48	29.30	0.29	0.00	0.29
26.75	0.47	0.00	0.47	29.35	0.29	0.00	0.29
26.80	0.47	0.00	0.47	29.40	0.28	0.00	0.28
26.85	0.46	0.00	0.46	29.45	0.28	0.00	0.28
26.90	0.46	0.00	0.46	29.50	0.28	0.00	0.28
26.95	0.45	0.00	0.45	29.55	0.28	0.00	0.28
27.00	0.45	0.00	0.45	29.60	0.28	0.00	0.28
27.05	0.44	0.00	0.44	29.65	0.27	0.00	0.27
27.10	0.44	0.00	0.44	29.70	0.27	0.00	0.27
27.15	0.44	0.00	0.44	29.75	0.27	0.00	0.27
27.20	0.43	0.00	0.43	29.80	0.27	0.00	0.27
27.25	0.43	0.00	0.43	29.85	0.27	0.00	0.27
27.30	0.42	0.00	0.42	29.90	0.27	0.00	0.27
27.35	0.42	0.00	0.42	29.95	0.26	0.00	0.26
27.40	0.41	0.00	0.41	30.00	0.26	0.00	0.26
27.45	0.41	0.00	0.41	30.05	0.26	0.00	0.26
27.50	0.41	0.00	0.41	30.10	0.26	0.00	0.26
27.55	0.40	0.00	0.40	30.15	0.26	0.00	0.26
27.60	0.40	0.00	0.40	30.20	0.25	0.00	0.25
27.65	0.39	0.00	0.39	30.25	0.25	0.00	0.25
27.70	0.39	0.00	0.39	30.30	0.25	0.00	0.25
27.75	0.39	0.00	0.39	30.35	0.25	0.00	0.25
27.80	0.38	0.00	0.38	30.40	0.25	0.00	0.25
27.85	0.38	0.00	0.38	30.45	0.25	0.00	0.25
27.90	0.37	0.00	0.37	30.50	0.24	0.00	0.24
27.95	0.37	0.00	0.37	30.55	0.24	0.00	0.24
28.00	0.37	0.00	0.37	30.60	0.24	0.00	0.24
28.05	0.36	0.00	0.36	30.65	0.24	0.00	0.24
28.10	0.36	0.00	0.36	30.70	0.24	0.00	0.24
28.15	0.36	0.00	0.36	30.75	0.24	0.00	0.24
28.20	0.35	0.00	0.35	30.80	0.24	0.00	0.24
28.25	0.35	0.00	0.35	30.85	0.23	0.00	0.23
28.30	0.35	0.00	0.35	30.90	0.23	0.00	0.23
28.35	0.34	0.00	0.34	30.95	0.23	0.00	0.23
28.40	0.34	0.00	0.34	31.00	0.23	0.00	0.23
28.45	0.34	0.00	0.34	31.05	0.23	0.00	0.23
28.50	0.33	0.00	0.33	31.10	0.23	0.00	0.23
28.55	0.33	0.00	0.33	31.15	0.23	0.00	0.23

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.22	0.00	0.22	33.80	0.17	0.00	0.17
31.25	0.22	0.00	0.22	33.85	0.17	0.00	0.17
31.30	0.22	0.00	0.22	33.90	0.17	0.00	0.17
31.35	0.22	0.00	0.22	33.95	0.17	0.00	0.17
31.40	0.22	0.00	0.22	34.00	0.17	0.00	0.17
31.45	0.22	0.00	0.22	34.05	0.17	0.00	0.17
31.50	0.22	0.00	0.22	34.10	0.17	0.00	0.17
31.55	0.21	0.00	0.21	34.15	0.16	0.00	0.16
31.60	0.21	0.00	0.21	34.20	0.16	0.00	0.16
31.65	0.21	0.00	0.21	34.25	0.16	0.00	0.16
31.70	0.21	0.00	0.21	34.30	0.16	0.00	0.16
31.75	0.21	0.00	0.21	34.35	0.16	0.00	0.16
31.80	0.21	0.00	0.21	34.40	0.16	0.00	0.16
31.85	0.21	0.00	0.21	34.45	0.16	0.00	0.16
31.90	0.21	0.00	0.21	34.50	0.16	0.00	0.16
31.95	0.20	0.00	0.20	34.55	0.16	0.00	0.16
32.00	0.20	0.00	0.20	34.60	0.16	0.00	0.16
32.05	0.20	0.00	0.20	34.65	0.16	0.00	0.16
32.10	0.20	0.00	0.20	34.70	0.16	0.00	0.16
32.15	0.20	0.00	0.20	34.75	0.16	0.00	0.16
32.20	0.20	0.00	0.20	34.80	0.15	0.00	0.15
32.25	0.20	0.00	0.20	34.85	0.15	0.00	0.15
32.30	0.20	0.00	0.20	34.90	0.15	0.00	0.15
32.35	0.20	0.00	0.20	34.95	0.15	0.00	0.15
32.40	0.20	0.00	0.20	35.00	0.15	0.00	0.15
32.45	0.19	0.00	0.19	35.05	0.15	0.00	0.15
32.50	0.19	0.00	0.19	35.10	0.15	0.00	0.15
32.55	0.19	0.00	0.19	35.15	0.15	0.00	0.15
32.60	0.19	0.00	0.19	35.20	0.15	0.00	0.15
32.65	0.19	0.00	0.19	35.25	0.15	0.00	0.15
32.70	0.19	0.00	0.19	35.30	0.15	0.00	0.15
32.75	0.19	0.00	0.19	35.35	0.15	0.00	0.15
32.80	0.19	0.00	0.19	35.40	0.15	0.00	0.15
32.85	0.19	0.00	0.19	35.45	0.15	0.00	0.15
32.90	0.19	0.00	0.19	35.50	0.14	0.00	0.14
32.95	0.18	0.00	0.18	35.55	0.14	0.00	0.14
33.00	0.18	0.00	0.18	35.60	0.14	0.00	0.14
33.05	0.18	0.00	0.18	35.65	0.14	0.00	0.14
33.10	0.18	0.00	0.18	35.70	0.14	0.00	0.14
33.15	0.18	0.00	0.18	35.75	0.14	0.00	0.14
33.20	0.18	0.00	0.18	35.80	0.14	0.00	0.14
33.25	0.18	0.00	0.18	35.85	0.14	0.00	0.14
33.30	0.18	0.00	0.18	35.90	0.14	0.00	0.14
33.35	0.18	0.00	0.18	35.95	0.14	0.00	0.14
33.40	0.18	0.00	0.18	36.00	0.14	0.00	0.14
33.45	0.18	0.00	0.18	36.05	0.14	0.00	0.14
33.50	0.18	0.00	0.18	36.10	0.14	0.00	0.14
33.55	0.17	0.00	0.17	36.15	0.14	0.00	0.14
33.60	0.17	0.00	0.17	36.20	0.14	0.00	0.14
33.65	0.17	0.00	0.17	36.25	0.13	0.00	0.13
33.70	0.17	0.00	0.17	36.30	0.13	0.00	0.13
33.75	0.17	0.00	0.17	36.35	0.13	0.00	0.13

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.13	0.00	0.13
36.45	0.13	0.00	0.13
36.50	0.13	0.00	0.13
36.55	0.13	0.00	0.13
36.60	0.13	0.00	0.13
36.65	0.13	0.00	0.13
36.70	0.13	0.00	0.13
36.75	0.13	0.00	0.13
36.80	0.13	0.00	0.13
36.85	0.13	0.00	0.13
36.90	0.13	0.00	0.13
36.95	0.13	0.00	0.13
37.00	0.13	0.00	0.13
37.05	0.12	0.00	0.12
37.10	0.12	0.00	0.12
37.15	0.12	0.00	0.12
37.20	0.12	0.00	0.12
37.25	0.12	0.00	0.12
37.30	0.12	0.00	0.12
37.35	0.12	0.00	0.12
37.40	0.12	0.00	0.12
37.45	0.12	0.00	0.12
37.50	0.12	0.00	0.12
37.55	0.12	0.00	0.12
37.60	0.12	0.00	0.12
37.65	0.12	0.00	0.12
37.70	0.12	0.00	0.12
37.75	0.12	0.00	0.12
37.80	0.12	0.00	0.12
37.85	0.12	0.00	0.12
37.90	0.11	0.00	0.11
37.95	0.11	0.00	0.11
38.00	0.11	0.00	0.11
38.05	0.11	0.00	0.11
38.10	0.11	0.00	0.11
38.15	0.11	0.00	0.11
38.20	0.11	0.00	0.11
38.25	0.11	0.00	0.11
38.30	0.11	0.00	0.11
38.35	0.11	0.00	0.11
38.40	0.11	0.00	0.11
38.45	0.11	0.00	0.11
38.50	0.11	0.00	0.11
38.55	0.11	0.00	0.11
38.60	0.11	0.00	0.11
38.65	0.11	0.00	0.11
38.70	0.11	0.00	0.11
38.75	0.11	0.00	0.11
38.80	0.11	0.00	0.11
38.85	0.11	0.00	0.11
38.90	0.11	0.00	0.11
38.95	0.11	0.00	0.11
39.00	0.11	0.00	0.11
39.05	0.10	0.00	0.10
39.10	0.10	0.00	0.10
39.15	0.10	0.00	0.10
39.20	0.10	0.00	0.10
39.25	0.10	0.00	0.10
39.30	0.10	0.00	0.10
39.35	0.10	0.00	0.10
39.40	0.10	0.00	0.10
39.45	0.10	0.00	0.10
39.50	0.10	0.00	0.10
39.55	0.10	0.00	0.10
39.60	0.10	0.00	0.10
39.65	0.10	0.00	0.10
39.70	0.10	0.00	0.10
39.75	0.10	0.00	0.10
39.80	0.10	0.00	0.10
39.85	0.10	0.00	0.10
39.90	0.10	0.00	0.10
39.95	0.10	0.00	0.10
40.00	0.10	0.00	0.10

Summary for Subcatchment 3S: PDA-6 (offsite pervious)

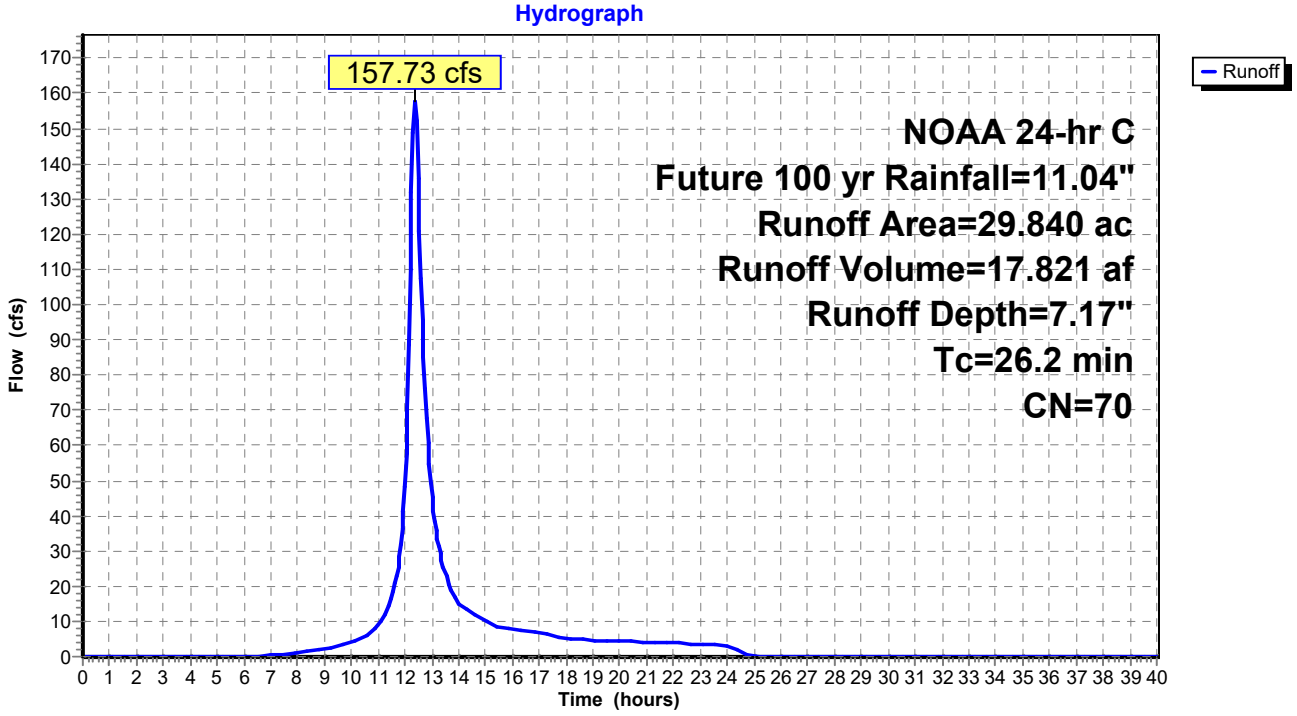
Runoff = 157.73 cfs @ 12.37 hrs, Volume= 17.821 af, Depth= 7.17"
Routed to Link PDA-6OF : Proposed Offsite Drainage Area #6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

Area (ac)	CN	Description
13.160	71	Row crops, C&T, Good, HSG B
3.420	78	Row crops, C&T, Good, HSG C
4.100	55	Woods, Good, HSG B
6.460	70	Woods, Good, HSG C
2.700	77	Woods, Good, HSG D
29.840	70	Weighted Average
29.840		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
26.2					**Direct Entry,**

Subcatchment 3S: PDA-6 (offsite pervious)



Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.34	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.35	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.35	0.00	0.00
0.20	0.03	0.00	0.00	2.80	0.36	0.00	0.00
0.25	0.03	0.00	0.00	2.85	0.37	0.00	0.00
0.30	0.04	0.00	0.00	2.90	0.38	0.00	0.00
0.35	0.04	0.00	0.00	2.95	0.38	0.00	0.00
0.40	0.05	0.00	0.00	3.00	0.39	0.00	0.00
0.45	0.05	0.00	0.00	3.05	0.40	0.00	0.00
0.50	0.06	0.00	0.00	3.10	0.40	0.00	0.00
0.55	0.07	0.00	0.00	3.15	0.41	0.00	0.00
0.60	0.07	0.00	0.00	3.20	0.42	0.00	0.00
0.65	0.08	0.00	0.00	3.25	0.43	0.00	0.00
0.70	0.08	0.00	0.00	3.30	0.43	0.00	0.00
0.75	0.09	0.00	0.00	3.35	0.44	0.00	0.00
0.80	0.10	0.00	0.00	3.40	0.45	0.00	0.00
0.85	0.10	0.00	0.00	3.45	0.46	0.00	0.00
0.90	0.11	0.00	0.00	3.50	0.46	0.00	0.00
0.95	0.11	0.00	0.00	3.55	0.47	0.00	0.00
1.00	0.12	0.00	0.00	3.60	0.48	0.00	0.00
1.05	0.13	0.00	0.00	3.65	0.49	0.00	0.00
1.10	0.13	0.00	0.00	3.70	0.49	0.00	0.00
1.15	0.14	0.00	0.00	3.75	0.50	0.00	0.00
1.20	0.15	0.00	0.00	3.80	0.51	0.00	0.00
1.25	0.15	0.00	0.00	3.85	0.52	0.00	0.00
1.30	0.16	0.00	0.00	3.90	0.52	0.00	0.00
1.35	0.16	0.00	0.00	3.95	0.53	0.00	0.00
1.40	0.17	0.00	0.00	4.00	0.54	0.00	0.00
1.45	0.18	0.00	0.00	4.05	0.55	0.00	0.00
1.50	0.18	0.00	0.00	4.10	0.56	0.00	0.00
1.55	0.19	0.00	0.00	4.15	0.56	0.00	0.00
1.60	0.20	0.00	0.00	4.20	0.57	0.00	0.00
1.65	0.20	0.00	0.00	4.25	0.58	0.00	0.00
1.70	0.21	0.00	0.00	4.30	0.59	0.00	0.00
1.75	0.22	0.00	0.00	4.35	0.60	0.00	0.00
1.80	0.22	0.00	0.00	4.40	0.60	0.00	0.00
1.85	0.23	0.00	0.00	4.45	0.61	0.00	0.00
1.90	0.24	0.00	0.00	4.50	0.62	0.00	0.00
1.95	0.24	0.00	0.00	4.55	0.63	0.00	0.00
2.00	0.25	0.00	0.00	4.60	0.64	0.00	0.00
2.05	0.26	0.00	0.00	4.65	0.64	0.00	0.00
2.10	0.26	0.00	0.00	4.70	0.65	0.00	0.00
2.15	0.27	0.00	0.00	4.75	0.66	0.00	0.00
2.20	0.28	0.00	0.00	4.80	0.67	0.00	0.00
2.25	0.28	0.00	0.00	4.85	0.68	0.00	0.00
2.30	0.29	0.00	0.00	4.90	0.69	0.00	0.00
2.35	0.30	0.00	0.00	4.95	0.69	0.00	0.00
2.40	0.30	0.00	0.00	5.00	0.70	0.00	0.00
2.45	0.31	0.00	0.00	5.05	0.71	0.00	0.00
2.50	0.32	0.00	0.00	5.10	0.72	0.00	0.00
2.55	0.33	0.00	0.00	5.15	0.73	0.00	0.00

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.00	0.00	7.80	1.27	0.04	0.96
5.25	0.74	0.00	0.00	7.85	1.28	0.04	1.00
5.30	0.75	0.00	0.00	7.90	1.30	0.04	1.04
5.35	0.76	0.00	0.00	7.95	1.31	0.04	1.08
5.40	0.77	0.00	0.00	8.00	1.32	0.05	1.13
5.45	0.78	0.00	0.00	8.05	1.34	0.05	1.17
5.50	0.79	0.00	0.00	8.10	1.35	0.05	1.22
5.55	0.80	0.00	0.00	8.15	1.36	0.05	1.26
5.60	0.80	0.00	0.00	8.20	1.38	0.06	1.31
5.65	0.81	0.00	0.00	8.25	1.39	0.06	1.36
5.70	0.82	0.00	0.00	8.30	1.40	0.06	1.40
5.75	0.83	0.00	0.00	8.35	1.42	0.07	1.45
5.80	0.84	0.00	0.00	8.40	1.43	0.07	1.50
5.85	0.85	0.00	0.00	8.45	1.45	0.07	1.55
5.90	0.86	0.00	0.00	8.50	1.46	0.07	1.60
5.95	0.87	0.00	0.00	8.55	1.48	0.08	1.65
6.00	0.87	0.00	0.00	8.60	1.49	0.08	1.70
6.05	0.88	0.00	0.00	8.65	1.51	0.09	1.75
6.10	0.89	0.00	0.00	8.70	1.52	0.09	1.81
6.15	0.90	0.00	0.01	8.75	1.54	0.09	1.86
6.20	0.91	0.00	0.01	8.80	1.55	0.10	1.91
6.25	0.92	0.00	0.02	8.85	1.57	0.10	1.97
6.30	0.93	0.00	0.03	8.90	1.58	0.10	2.02
6.35	0.94	0.00	0.05	8.95	1.60	0.11	2.08
6.40	0.95	0.00	0.06	9.00	1.61	0.11	2.13
6.45	0.96	0.00	0.08	9.05	1.63	0.12	2.19
6.50	0.97	0.00	0.10	9.10	1.64	0.12	2.25
6.55	0.98	0.00	0.13	9.15	1.66	0.13	2.31
6.60	0.99	0.00	0.15	9.20	1.68	0.13	2.37
6.65	1.00	0.00	0.17	9.25	1.70	0.14	2.45
6.70	1.01	0.01	0.20	9.30	1.72	0.14	2.53
6.75	1.02	0.01	0.23	9.35	1.73	0.15	2.61
6.80	1.03	0.01	0.25	9.40	1.75	0.15	2.71
6.85	1.04	0.01	0.28	9.45	1.77	0.16	2.81
6.90	1.05	0.01	0.31	9.50	1.79	0.17	2.92
6.95	1.07	0.01	0.34	9.55	1.81	0.17	3.03
7.00	1.08	0.01	0.37	9.60	1.83	0.18	3.15
7.05	1.09	0.01	0.40	9.65	1.85	0.19	3.27
7.10	1.10	0.01	0.44	9.70	1.88	0.20	3.40
7.15	1.11	0.01	0.47	9.75	1.90	0.20	3.53
7.20	1.12	0.02	0.50	9.80	1.92	0.21	3.66
7.25	1.13	0.02	0.54	9.85	1.94	0.22	3.80
7.30	1.15	0.02	0.57	9.90	1.97	0.23	3.94
7.35	1.16	0.02	0.61	9.95	1.99	0.24	4.09
7.40	1.17	0.02	0.64	10.00	2.01	0.25	4.23
7.45	1.18	0.02	0.68	10.05	2.04	0.25	4.38
7.50	1.19	0.02	0.72	10.10	2.06	0.26	4.54
7.55	1.21	0.03	0.75	10.15	2.09	0.27	4.70
7.60	1.22	0.03	0.79	10.20	2.11	0.28	4.86
7.65	1.23	0.03	0.83	10.25	2.14	0.30	5.02
7.70	1.24	0.03	0.87	10.30	2.17	0.31	5.19
7.75	1.26	0.03	0.91	10.35	2.19	0.32	5.36

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	0.33	5.53	13.00	8.39	4.80	45.13
10.45	2.25	0.34	5.71	13.05	8.43	4.84	41.55
10.50	2.28	0.35	5.88	13.10	8.48	4.88	38.48
10.55	2.31	0.37	6.07	13.15	8.52	4.91	35.80
10.60	2.34	0.38	6.26	13.20	8.56	4.95	33.41
10.65	2.37	0.40	6.47	13.25	8.60	4.98	31.27
10.70	2.41	0.41	6.70	13.30	8.63	5.01	29.34
10.75	2.44	0.43	6.98	13.35	8.67	5.04	27.61
10.80	2.48	0.45	7.30	13.40	8.70	5.07	26.04
10.85	2.52	0.47	7.67	13.45	8.73	5.10	24.61
10.90	2.56	0.49	8.09	13.50	8.76	5.13	23.33
10.95	2.61	0.51	8.54	13.55	8.79	5.15	22.17
11.00	2.65	0.53	9.03	13.60	8.82	5.18	21.13
11.05	2.70	0.55	9.54	13.65	8.85	5.20	20.16
11.10	2.75	0.58	10.09	13.70	8.87	5.22	19.23
11.15	2.80	0.61	10.69	13.75	8.90	5.25	18.36
11.20	2.86	0.64	11.34	13.80	8.93	5.27	17.57
11.25	2.92	0.67	12.06	13.85	8.95	5.29	16.86
11.30	2.98	0.70	12.87	13.90	8.98	5.32	16.24
11.35	3.05	0.74	13.75	13.95	9.00	5.34	15.71
11.40	3.12	0.78	14.71	14.00	9.03	5.36	15.26
11.45	3.19	0.82	15.74	14.05	9.05	5.38	14.86
11.50	3.26	0.86	16.82	14.10	9.07	5.40	14.51
11.55	3.37	0.93	17.98	14.15	9.10	5.42	14.20
11.60	3.49	1.00	19.28	14.20	9.12	5.44	13.91
11.65	3.60	1.07	20.86	14.25	9.14	5.46	13.64
11.70	3.72	1.15	22.87	14.30	9.16	5.48	13.39
11.75	3.88	1.25	25.37	14.35	9.19	5.50	13.14
11.80	4.04	1.36	28.36	14.40	9.21	5.52	12.91
11.85	4.27	1.51	31.88	14.45	9.23	5.54	12.67
11.90	4.49	1.67	36.10	14.50	9.25	5.55	12.44
11.95	4.88	1.94	41.42	14.55	9.27	5.57	12.22
12.00	5.26	2.23	48.38	14.60	9.29	5.59	12.00
12.05	5.91	2.73	57.67	14.65	9.31	5.61	11.78
12.10	6.55	3.25	70.78	14.70	9.32	5.62	11.57
12.15	6.77	3.43	88.55	14.75	9.34	5.64	11.35
12.20	7.00	3.62	110.00	14.80	9.36	5.65	11.13
12.25	7.16	3.75	131.82	14.85	9.38	5.67	10.91
12.30	7.32	3.89	148.99	14.90	9.40	5.68	10.69
12.35	7.44	3.98	**157.06**	14.95	9.41	5.70	10.48
12.40	7.55	4.08	156.01	15.00	9.43	5.71	10.26
12.45	7.67	4.18	148.18	15.05	9.44	5.73	10.05
12.50	7.78	4.27	135.67	15.10	9.46	5.74	9.83
12.55	7.85	4.34	121.17	15.15	9.47	5.75	9.61
12.60	7.92	4.40	107.25	15.20	9.49	5.77	9.39
12.65	7.99	4.46	95.44	15.25	9.50	5.78	9.19
12.70	8.06	4.51	85.14	15.30	9.52	5.79	8.99
12.75	8.12	4.57	75.93	15.35	9.53	5.81	8.82
12.80	8.18	4.62	67.75	15.40	9.55	5.82	8.66
12.85	8.24	4.67	60.69	15.45	9.56	5.83	8.53
12.90	8.29	4.72	54.63	15.50	9.58	5.85	8.41
12.95	8.34	4.76	49.46	15.55	9.59	5.86	8.31

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	5.87	8.22	18.20	10.20	6.41	5.12
15.65	9.62	5.89	8.14	18.25	10.21	6.41	5.06
15.70	9.64	5.90	8.06	18.30	10.22	6.42	5.01
15.75	9.65	5.91	7.99	18.35	10.23	6.43	4.96
15.80	9.66	5.92	7.92	18.40	10.24	6.44	4.92
15.85	9.68	5.94	7.86	18.45	10.24	6.44	4.88
15.90	9.69	5.95	7.79	18.50	10.25	6.45	4.85
15.95	9.70	5.96	7.73	18.55	10.26	6.46	4.83
16.00	9.72	5.97	7.67	18.60	10.27	6.47	4.80
16.05	9.73	5.98	7.61	18.65	10.28	6.48	4.78
16.10	9.74	6.00	7.55	18.70	10.29	6.48	4.76
16.15	9.76	6.01	7.49	18.75	10.30	6.49	4.74
16.20	9.77	6.02	7.43	18.80	10.30	6.50	4.73
16.25	9.78	6.03	7.38	18.85	10.31	6.51	4.71
16.30	9.80	6.04	7.32	18.90	10.32	6.51	4.69
16.35	9.81	6.05	7.26	18.95	10.33	6.52	4.68
16.40	9.82	6.06	7.21	19.00	10.34	6.53	4.66
16.45	9.83	6.08	7.15	19.05	10.35	6.54	4.65
16.50	9.85	6.09	7.09	19.10	10.35	6.54	4.63
16.55	9.86	6.10	7.03	19.15	10.36	6.55	4.62
16.60	9.87	6.11	6.97	19.20	10.37	6.56	4.60
16.65	9.88	6.12	6.92	19.25	10.38	6.57	4.59
16.70	9.89	6.13	6.86	19.30	10.39	6.57	4.58
16.75	9.91	6.14	6.80	19.35	10.40	6.58	4.56
16.80	9.92	6.15	6.75	19.40	10.40	6.59	4.55
16.85	9.93	6.16	6.69	19.45	10.41	6.60	4.53
16.90	9.94	6.17	6.63	19.50	10.42	6.60	4.52
16.95	9.95	6.18	6.57	19.55	10.43	6.61	4.50
17.00	9.96	6.19	6.51	19.60	10.44	6.62	4.49
17.05	9.97	6.20	6.46	19.65	10.44	6.63	4.47
17.10	9.99	6.21	6.40	19.70	10.45	6.63	4.46
17.15	10.00	6.22	6.34	19.75	10.46	6.64	4.45
17.20	10.01	6.23	6.29	19.80	10.47	6.65	4.43
17.25	10.02	6.24	6.23	19.85	10.48	6.65	4.42
17.30	10.03	6.25	6.17	19.90	10.48	6.66	4.40
17.35	10.04	6.26	6.11	19.95	10.49	6.67	4.39
17.40	10.05	6.27	6.05	20.00	10.50	6.68	4.38
17.45	10.06	6.28	5.99	20.05	10.51	6.68	4.37
17.50	10.07	6.29	5.93	20.10	10.52	6.69	4.35
17.55	10.08	6.30	5.87	20.15	10.52	6.70	4.34
17.60	10.09	6.31	5.82	20.20	10.53	6.70	4.32
17.65	10.10	6.31	5.76	20.25	10.54	6.71	4.30
17.70	10.11	6.32	5.70	20.30	10.55	6.72	4.29
17.75	10.12	6.33	5.64	20.35	10.55	6.72	4.27
17.80	10.13	6.34	5.59	20.40	10.56	6.73	4.26
17.85	10.14	6.35	5.53	20.45	10.57	6.74	4.24
17.90	10.15	6.36	5.47	20.50	10.58	6.75	4.23
17.95	10.16	6.37	5.41	20.55	10.58	6.75	4.21
18.00	10.17	6.37	5.35	20.60	10.59	6.76	4.20
18.05	10.17	6.38	5.29	20.65	10.60	6.77	4.19
18.10	10.18	6.39	5.23	20.70	10.61	6.77	4.17
18.15	10.19	6.40	5.18	20.75	10.61	6.78	4.16

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	6.79	4.15	23.40	10.97	7.10	3.38
20.85	10.63	6.79	4.13	23.45	10.97	7.11	3.37
20.90	10.64	6.80	4.12	23.50	10.98	7.11	3.35
20.95	10.64	6.81	4.10	23.55	10.99	7.12	3.34
21.00	10.65	6.81	4.09	23.60	10.99	7.12	3.32
21.05	10.66	6.82	4.07	23.65	11.00	7.13	3.31
21.10	10.66	6.83	4.06	23.70	11.00	7.13	3.29
21.15	10.67	6.83	4.04	23.75	11.01	7.14	3.28
21.20	10.68	6.84	4.02	23.80	11.01	7.14	3.26
21.25	10.69	6.84	4.01	23.85	11.02	7.15	3.25
21.30	10.69	6.85	4.00	23.90	11.03	7.15	3.24
21.35	10.70	6.86	3.98	23.95	11.03	7.16	3.22
21.40	10.71	6.86	3.97	24.00	**11.04**	**7.17**	3.22
21.45	10.71	6.87	3.96	24.05	11.04	7.17	3.22
21.50	10.72	6.88	3.94	24.10	11.04	7.17	3.21
21.55	10.73	6.88	3.93	24.15	11.04	7.17	3.16
21.60	10.74	6.89	3.91	24.20	11.04	7.17	2.99
21.65	10.74	6.90	3.90	24.25	11.04	7.17	2.70
21.70	10.75	6.90	3.88	24.30	11.04	7.17	2.32
21.75	10.76	6.91	3.87	24.35	11.04	7.17	1.90
21.80	10.76	6.91	3.85	24.40	11.04	7.17	1.49
21.85	10.77	6.92	3.84	24.45	11.04	7.17	1.13
21.90	10.78	6.93	3.82	24.50	11.04	7.17	0.85
21.95	10.78	6.93	3.81	24.55	11.04	7.17	0.64
22.00	10.79	6.94	3.80	24.60	11.04	7.17	0.48
22.05	10.80	6.95	3.78	24.65	11.04	7.17	0.36
22.10	10.80	6.95	3.77	24.70	11.04	7.17	0.27
22.15	10.81	6.96	3.75	24.75	11.04	7.17	0.21
22.20	10.82	6.96	3.74	24.80	11.04	7.17	0.16
22.25	10.82	6.97	3.72	24.85	11.04	7.17	0.12
22.30	10.83	6.98	3.71	24.90	11.04	7.17	0.09
22.35	10.84	6.98	3.69	24.95	11.04	7.17	0.06
22.40	10.84	6.99	3.68	25.00	11.04	7.17	0.05
22.45	10.85	6.99	3.67	25.05	11.04	7.17	0.04
22.50	10.86	7.00	3.65	25.10	11.04	7.17	0.03
22.55	10.86	7.01	3.63	25.15	11.04	7.17	0.02
22.60	10.87	7.01	3.62	25.20	11.04	7.17	0.01
22.65	10.88	7.02	3.60	25.25	11.04	7.17	0.01
22.70	10.88	7.02	3.59	25.30	11.04	7.17	0.01
22.75	10.89	7.03	3.57	25.35	11.04	7.17	0.00
22.80	10.89	7.03	3.56	25.40	11.04	7.17	0.00
22.85	10.90	7.04	3.55	25.45	11.04	7.17	0.00
22.90	10.91	7.05	3.53	25.50	11.04	7.17	0.00
22.95	10.91	7.05	3.52	25.55	11.04	7.17	0.00
23.00	10.92	7.06	3.50	25.60	11.04	7.17	0.00
23.05	10.93	7.06	3.48	25.65	11.04	7.17	0.00
23.10	10.93	7.07	3.47	25.70	11.04	7.17	0.00
23.15	10.94	7.07	3.46	25.75	11.04	7.17	0.00
23.20	10.94	7.08	3.44	25.80	11.04	7.17	0.00
23.25	10.95	7.08	3.43	25.85	11.04	7.17	0.00
23.30	10.96	7.09	3.41	25.90	11.04	7.17	0.00
23.35	10.96	7.10	3.40	25.95	11.04	7.17	0.00

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	7.17	0.00	28.60	11.04	7.17	0.00
26.05	11.04	7.17	0.00	28.65	11.04	7.17	0.00
26.10	11.04	7.17	0.00	28.70	11.04	7.17	0.00
26.15	11.04	7.17	0.00	28.75	11.04	7.17	0.00
26.20	11.04	7.17	0.00	28.80	11.04	7.17	0.00
26.25	11.04	7.17	0.00	28.85	11.04	7.17	0.00
26.30	11.04	7.17	0.00	28.90	11.04	7.17	0.00
26.35	11.04	7.17	0.00	28.95	11.04	7.17	0.00
26.40	11.04	7.17	0.00	29.00	11.04	7.17	0.00
26.45	11.04	7.17	0.00	29.05	11.04	7.17	0.00
26.50	11.04	7.17	0.00	29.10	11.04	7.17	0.00
26.55	11.04	7.17	0.00	29.15	11.04	7.17	0.00
26.60	11.04	7.17	0.00	29.20	11.04	7.17	0.00
26.65	11.04	7.17	0.00	29.25	11.04	7.17	0.00
26.70	11.04	7.17	0.00	29.30	11.04	7.17	0.00
26.75	11.04	7.17	0.00	29.35	11.04	7.17	0.00
26.80	11.04	7.17	0.00	29.40	11.04	7.17	0.00
26.85	11.04	7.17	0.00	29.45	11.04	7.17	0.00
26.90	11.04	7.17	0.00	29.50	11.04	7.17	0.00
26.95	11.04	7.17	0.00	29.55	11.04	7.17	0.00
27.00	11.04	7.17	0.00	29.60	11.04	7.17	0.00
27.05	11.04	7.17	0.00	29.65	11.04	7.17	0.00
27.10	11.04	7.17	0.00	29.70	11.04	7.17	0.00
27.15	11.04	7.17	0.00	29.75	11.04	7.17	0.00
27.20	11.04	7.17	0.00	29.80	11.04	7.17	0.00
27.25	11.04	7.17	0.00	29.85	11.04	7.17	0.00
27.30	11.04	7.17	0.00	29.90	11.04	7.17	0.00
27.35	11.04	7.17	0.00	29.95	11.04	7.17	0.00
27.40	11.04	7.17	0.00	30.00	11.04	7.17	0.00
27.45	11.04	7.17	0.00	30.05	11.04	7.17	0.00
27.50	11.04	7.17	0.00	30.10	11.04	7.17	0.00
27.55	11.04	7.17	0.00	30.15	11.04	7.17	0.00
27.60	11.04	7.17	0.00	30.20	11.04	7.17	0.00
27.65	11.04	7.17	0.00	30.25	11.04	7.17	0.00
27.70	11.04	7.17	0.00	30.30	11.04	7.17	0.00
27.75	11.04	7.17	0.00	30.35	11.04	7.17	0.00
27.80	11.04	7.17	0.00	30.40	11.04	7.17	0.00
27.85	11.04	7.17	0.00	30.45	11.04	7.17	0.00
27.90	11.04	7.17	0.00	30.50	11.04	7.17	0.00
27.95	11.04	7.17	0.00	30.55	11.04	7.17	0.00
28.00	11.04	7.17	0.00	30.60	11.04	7.17	0.00
28.05	11.04	7.17	0.00	30.65	11.04	7.17	0.00
28.10	11.04	7.17	0.00	30.70	11.04	7.17	0.00
28.15	11.04	7.17	0.00	30.75	11.04	7.17	0.00
28.20	11.04	7.17	0.00	30.80	11.04	7.17	0.00
28.25	11.04	7.17	0.00	30.85	11.04	7.17	0.00
28.30	11.04	7.17	0.00	30.90	11.04	7.17	0.00
28.35	11.04	7.17	0.00	30.95	11.04	7.17	0.00
28.40	11.04	7.17	0.00	31.00	11.04	7.17	0.00
28.45	11.04	7.17	0.00	31.05	11.04	7.17	0.00
28.50	11.04	7.17	0.00	31.10	11.04	7.17	0.00
28.55	11.04	7.17	0.00	31.15	11.04	7.17	0.00

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	7.17	0.00	33.80	11.04	7.17	0.00
31.25	11.04	7.17	0.00	33.85	11.04	7.17	0.00
31.30	11.04	7.17	0.00	33.90	11.04	7.17	0.00
31.35	11.04	7.17	0.00	33.95	11.04	7.17	0.00
31.40	11.04	7.17	0.00	34.00	11.04	7.17	0.00
31.45	11.04	7.17	0.00	34.05	11.04	7.17	0.00
31.50	11.04	7.17	0.00	34.10	11.04	7.17	0.00
31.55	11.04	7.17	0.00	34.15	11.04	7.17	0.00
31.60	11.04	7.17	0.00	34.20	11.04	7.17	0.00
31.65	11.04	7.17	0.00	34.25	11.04	7.17	0.00
31.70	11.04	7.17	0.00	34.30	11.04	7.17	0.00
31.75	11.04	7.17	0.00	34.35	11.04	7.17	0.00
31.80	11.04	7.17	0.00	34.40	11.04	7.17	0.00
31.85	11.04	7.17	0.00	34.45	11.04	7.17	0.00
31.90	11.04	7.17	0.00	34.50	11.04	7.17	0.00
31.95	11.04	7.17	0.00	34.55	11.04	7.17	0.00
32.00	11.04	7.17	0.00	34.60	11.04	7.17	0.00
32.05	11.04	7.17	0.00	34.65	11.04	7.17	0.00
32.10	11.04	7.17	0.00	34.70	11.04	7.17	0.00
32.15	11.04	7.17	0.00	34.75	11.04	7.17	0.00
32.20	11.04	7.17	0.00	34.80	11.04	7.17	0.00
32.25	11.04	7.17	0.00	34.85	11.04	7.17	0.00
32.30	11.04	7.17	0.00	34.90	11.04	7.17	0.00
32.35	11.04	7.17	0.00	34.95	11.04	7.17	0.00
32.40	11.04	7.17	0.00	35.00	11.04	7.17	0.00
32.45	11.04	7.17	0.00	35.05	11.04	7.17	0.00
32.50	11.04	7.17	0.00	35.10	11.04	7.17	0.00
32.55	11.04	7.17	0.00	35.15	11.04	7.17	0.00
32.60	11.04	7.17	0.00	35.20	11.04	7.17	0.00
32.65	11.04	7.17	0.00	35.25	11.04	7.17	0.00
32.70	11.04	7.17	0.00	35.30	11.04	7.17	0.00
32.75	11.04	7.17	0.00	35.35	11.04	7.17	0.00
32.80	11.04	7.17	0.00	35.40	11.04	7.17	0.00
32.85	11.04	7.17	0.00	35.45	11.04	7.17	0.00
32.90	11.04	7.17	0.00	35.50	11.04	7.17	0.00
32.95	11.04	7.17	0.00	35.55	11.04	7.17	0.00
33.00	11.04	7.17	0.00	35.60	11.04	7.17	0.00
33.05	11.04	7.17	0.00	35.65	11.04	7.17	0.00
33.10	11.04	7.17	0.00	35.70	11.04	7.17	0.00
33.15	11.04	7.17	0.00	35.75	11.04	7.17	0.00
33.20	11.04	7.17	0.00	35.80	11.04	7.17	0.00
33.25	11.04	7.17	0.00	35.85	11.04	7.17	0.00
33.30	11.04	7.17	0.00	35.90	11.04	7.17	0.00
33.35	11.04	7.17	0.00	35.95	11.04	7.17	0.00
33.40	11.04	7.17	0.00	36.00	11.04	7.17	0.00
33.45	11.04	7.17	0.00	36.05	11.04	7.17	0.00
33.50	11.04	7.17	0.00	36.10	11.04	7.17	0.00
33.55	11.04	7.17	0.00	36.15	11.04	7.17	0.00
33.60	11.04	7.17	0.00	36.20	11.04	7.17	0.00
33.65	11.04	7.17	0.00	36.25	11.04	7.17	0.00
33.70	11.04	7.17	0.00	36.30	11.04	7.17	0.00
33.75	11.04	7.17	0.00	36.35	11.04	7.17	0.00

Hydrograph for Subcatchment 3S: PDA-6 (offsite pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	7.17	0.00
36.45	11.04	7.17	0.00
36.50	11.04	7.17	0.00
36.55	11.04	7.17	0.00
36.60	11.04	7.17	0.00
36.65	11.04	7.17	0.00
36.70	11.04	7.17	0.00
36.75	11.04	7.17	0.00
36.80	11.04	7.17	0.00
36.85	11.04	7.17	0.00
36.90	11.04	7.17	0.00
36.95	11.04	7.17	0.00
37.00	11.04	7.17	0.00
37.05	11.04	7.17	0.00
37.10	11.04	7.17	0.00
37.15	11.04	7.17	0.00
37.20	11.04	7.17	0.00
37.25	11.04	7.17	0.00
37.30	11.04	7.17	0.00
37.35	11.04	7.17	0.00
37.40	11.04	7.17	0.00
37.45	11.04	7.17	0.00
37.50	11.04	7.17	0.00
37.55	11.04	7.17	0.00
37.60	11.04	7.17	0.00
37.65	11.04	7.17	0.00
37.70	11.04	7.17	0.00
37.75	11.04	7.17	0.00
37.80	11.04	7.17	0.00
37.85	11.04	7.17	0.00
37.90	11.04	7.17	0.00
37.95	11.04	7.17	0.00
38.00	11.04	7.17	0.00
38.05	11.04	7.17	0.00
38.10	11.04	7.17	0.00
38.15	11.04	7.17	0.00
38.20	11.04	7.17	0.00
38.25	11.04	7.17	0.00
38.30	11.04	7.17	0.00
38.35	11.04	7.17	0.00
38.40	11.04	7.17	0.00
38.45	11.04	7.17	0.00
38.50	11.04	7.17	0.00
38.55	11.04	7.17	0.00
38.60	11.04	7.17	0.00
38.65	11.04	7.17	0.00
38.70	11.04	7.17	0.00
38.75	11.04	7.17	0.00
38.80	11.04	7.17	0.00
38.85	11.04	7.17	0.00
38.90	11.04	7.17	0.00
38.95	11.04	7.17	0.00
39.00	11.04	7.17	0.00
39.05	11.04	7.17	0.00
39.10	11.04	7.17	0.00
39.15	11.04	7.17	0.00
39.20	11.04	7.17	0.00
39.25	11.04	7.17	0.00
39.30	11.04	7.17	0.00
39.35	11.04	7.17	0.00
39.40	11.04	7.17	0.00
39.45	11.04	7.17	0.00
39.50	11.04	7.17	0.00
39.55	11.04	7.17	0.00
39.60	11.04	7.17	0.00
39.65	11.04	7.17	0.00
39.70	11.04	7.17	0.00
39.75	11.04	7.17	0.00
39.80	11.04	7.17	0.00
39.85	11.04	7.17	0.00
39.90	11.04	7.17	0.00
39.95	11.04	7.17	0.00
40.00	11.04	7.17	0.00

Summary for Subcatchment 4S: PDA-6 (offsite impervious)

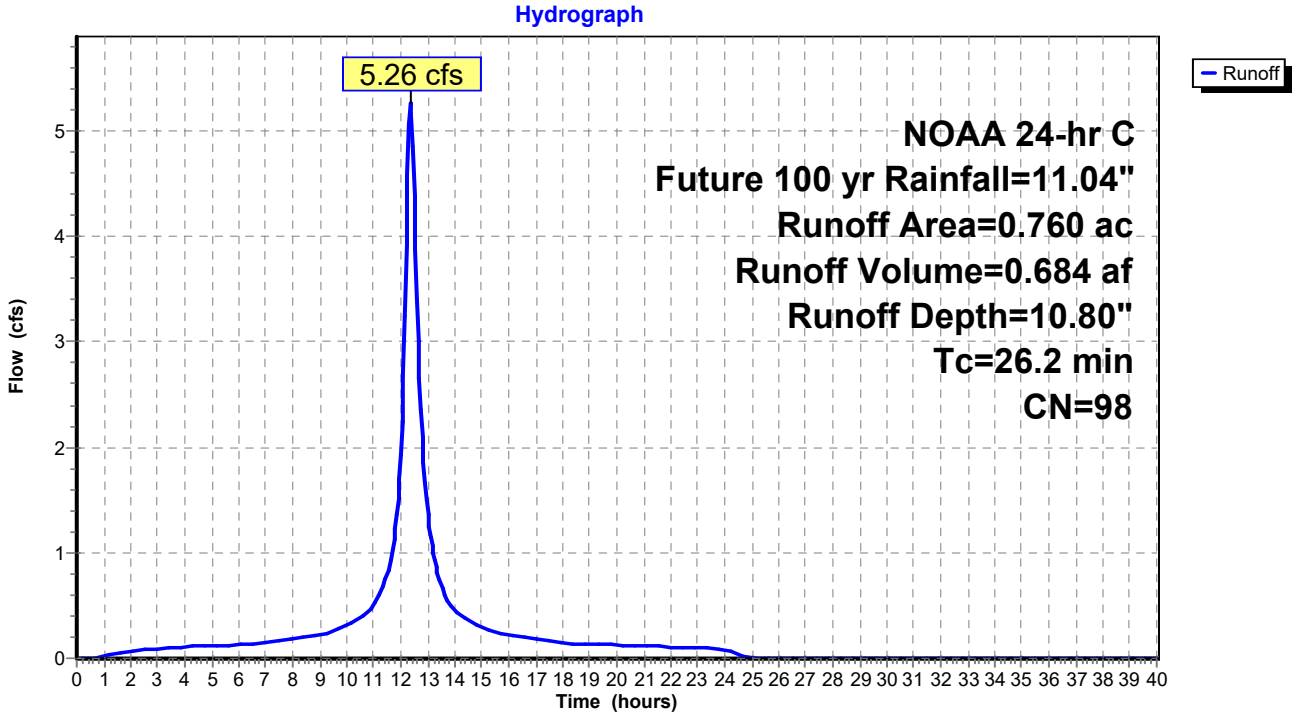
Runoff = 5.26 cfs @ 12.36 hrs, Volume= 0.684 af, Depth=10.80"
Routed to Link PDA-6OF : Proposed Offsite Drainage Area #6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

	Area (ac)	CN	Description
*	0.760	98	
	0.760		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
26.2					**Direct Entry,**

Subcatchment 4S: PDA-6 (offsite impervious)



Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.17	0.08
0.05	0.01	0.00	0.00	2.65	0.34	0.18	0.08
0.10	0.01	0.00	0.00	2.70	0.35	0.18	0.08
0.15	0.02	0.00	0.00	2.75	0.35	0.19	0.08
0.20	0.03	0.00	0.00	2.80	0.36	0.20	0.09
0.25	0.03	0.00	0.00	2.85	0.37	0.20	0.09
0.30	0.04	0.00	0.00	2.90	0.38	0.21	0.09
0.35	0.04	0.00	0.00	2.95	0.38	0.21	0.09
0.40	0.05	0.00	0.00	3.00	0.39	0.22	0.09
0.45	0.05	0.00	0.00	3.05	0.40	0.23	0.09
0.50	0.06	0.00	0.00	3.10	0.40	0.23	0.09
0.55	0.07	0.00	0.00	3.15	0.41	0.24	0.09
0.60	0.07	0.00	0.00	3.20	0.42	0.25	0.09
0.65	0.08	0.01	0.00	3.25	0.43	0.25	0.09
0.70	0.08	0.01	0.00	3.30	0.43	0.26	0.09
0.75	0.09	0.01	0.01	3.35	0.44	0.27	0.10
0.80	0.10	0.01	0.01	3.40	0.45	0.27	0.10
0.85	0.10	0.01	0.01	3.45	0.46	0.28	0.10
0.90	0.11	0.02	0.02	3.50	0.46	0.29	0.10
0.95	0.11	0.02	0.02	3.55	0.47	0.29	0.10
1.00	0.12	0.02	0.02	3.60	0.48	0.30	0.10
1.05	0.13	0.03	0.03	3.65	0.49	0.31	0.10
1.10	0.13	0.03	0.03	3.70	0.49	0.31	0.10
1.15	0.14	0.03	0.03	3.75	0.50	0.32	0.10
1.20	0.15	0.04	0.03	3.80	0.51	0.33	0.10
1.25	0.15	0.04	0.04	3.85	0.52	0.33	0.10
1.30	0.16	0.04	0.04	3.90	0.52	0.34	0.10
1.35	0.16	0.05	0.04	3.95	0.53	0.35	0.10
1.40	0.17	0.05	0.04	4.00	0.54	0.35	0.10
1.45	0.18	0.05	0.05	4.05	0.55	0.36	0.11
1.50	0.18	0.06	0.05	4.10	0.56	0.37	0.11
1.55	0.19	0.06	0.05	4.15	0.56	0.38	0.11
1.60	0.20	0.07	0.05	4.20	0.57	0.38	0.11
1.65	0.20	0.07	0.06	4.25	0.58	0.39	0.11
1.70	0.21	0.08	0.06	4.30	0.59	0.40	0.11
1.75	0.22	0.08	0.06	4.35	0.60	0.41	0.11
1.80	0.22	0.09	0.06	4.40	0.60	0.41	0.11
1.85	0.23	0.09	0.06	4.45	0.61	0.42	0.11
1.90	0.24	0.10	0.06	4.50	0.62	0.43	0.11
1.95	0.24	0.10	0.07	4.55	0.63	0.44	0.11
2.00	0.25	0.11	0.07	4.60	0.64	0.44	0.11
2.05	0.26	0.11	0.07	4.65	0.64	0.45	0.11
2.10	0.26	0.12	0.07	4.70	0.65	0.46	0.11
2.15	0.27	0.12	0.07	4.75	0.66	0.47	0.11
2.20	0.28	0.13	0.07	4.80	0.67	0.47	0.11
2.25	0.28	0.13	0.07	4.85	0.68	0.48	0.11
2.30	0.29	0.14	0.08	4.90	0.69	0.49	0.12
2.35	0.30	0.14	0.08	4.95	0.69	0.50	0.12
2.40	0.30	0.15	0.08	5.00	0.70	0.51	0.12
2.45	0.31	0.15	0.08	5.05	0.71	0.51	0.12
2.50	0.32	0.16	0.08	5.10	0.72	0.52	0.12
2.55	0.33	0.17	0.08	5.15	0.73	0.53	0.12

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.54	0.12	7.80	1.27	1.05	0.18
5.25	0.74	0.55	0.12	7.85	1.28	1.07	0.18
5.30	0.75	0.55	0.12	7.90	1.30	1.08	0.18
5.35	0.76	0.56	0.12	7.95	1.31	1.09	0.19
5.40	0.77	0.57	0.12	8.00	1.32	1.11	0.19
5.45	0.78	0.58	0.12	8.05	1.34	1.12	0.19
5.50	0.79	0.59	0.12	8.10	1.35	1.13	0.19
5.55	0.80	0.59	0.12	8.15	1.36	1.15	0.19
5.60	0.80	0.60	0.12	8.20	1.38	1.16	0.19
5.65	0.81	0.61	0.12	8.25	1.39	1.17	0.20
5.70	0.82	0.62	0.12	8.30	1.40	1.19	0.20
5.75	0.83	0.63	0.12	8.35	1.42	1.20	0.20
5.80	0.84	0.64	0.13	8.40	1.43	1.21	0.20
5.85	0.85	0.64	0.13	8.45	1.45	1.23	0.20
5.90	0.86	0.65	0.13	8.50	1.46	1.24	0.20
5.95	0.87	0.66	0.13	8.55	1.48	1.26	0.21
6.00	0.87	0.67	0.13	8.60	1.49	1.27	0.21
6.05	0.88	0.68	0.13	8.65	1.51	1.29	0.21
6.10	0.89	0.69	0.13	8.70	1.52	1.30	0.21
6.15	0.90	0.70	0.13	8.75	1.54	1.32	0.21
6.20	0.91	0.71	0.13	8.80	1.55	1.33	0.21
6.25	0.92	0.71	0.13	8.85	1.57	1.35	0.22
6.30	0.93	0.72	0.13	8.90	1.58	1.36	0.22
6.35	0.94	0.73	0.13	8.95	1.60	1.38	0.22
6.40	0.95	0.74	0.13	9.00	1.61	1.39	0.22
6.45	0.96	0.75	0.14	9.05	1.63	1.41	0.22
6.50	0.97	0.76	0.14	9.10	1.64	1.42	0.23
6.55	0.98	0.77	0.14	9.15	1.66	1.44	0.23
6.60	0.99	0.78	0.14	9.20	1.68	1.46	0.23
6.65	1.00	0.79	0.14	9.25	1.70	1.47	0.23
6.70	1.01	0.80	0.14	9.30	1.72	1.49	0.24
6.75	1.02	0.81	0.14	9.35	1.73	1.51	0.24
6.80	1.03	0.82	0.15	9.40	1.75	1.53	0.24
6.85	1.04	0.83	0.15	9.45	1.77	1.55	0.25
6.90	1.05	0.84	0.15	9.50	1.79	1.57	0.26
6.95	1.07	0.85	0.15	9.55	1.81	1.59	0.26
7.00	1.08	0.87	0.15	9.60	1.83	1.61	0.27
7.05	1.09	0.88	0.15	9.65	1.85	1.63	0.27
7.10	1.10	0.89	0.16	9.70	1.88	1.65	0.28
7.15	1.11	0.90	0.16	9.75	1.90	1.67	0.28
7.20	1.12	0.91	0.16	9.80	1.92	1.69	0.29
7.25	1.13	0.92	0.16	9.85	1.94	1.72	0.30
7.30	1.15	0.93	0.16	9.90	1.97	1.74	0.30
7.35	1.16	0.94	0.17	9.95	1.99	1.76	0.31
7.40	1.17	0.96	0.17	10.00	2.01	1.79	0.32
7.45	1.18	0.97	0.17	10.05	2.04	1.81	0.32
7.50	1.19	0.98	0.17	10.10	2.06	1.84	0.33
7.55	1.21	0.99	0.17	10.15	2.09	1.86	0.33
7.60	1.22	1.00	0.17	10.20	2.11	1.89	0.34
7.65	1.23	1.02	0.18	10.25	2.14	1.91	0.35
7.70	1.24	1.03	0.18	10.30	2.17	1.94	0.35
7.75	1.26	1.04	0.18	10.35	2.19	1.97	0.36

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	1.99	0.37	13.00	8.39	8.15	1.36
10.45	2.25	2.02	0.37	13.05	8.43	8.19	1.25
10.50	2.28	2.05	0.38	13.10	8.48	8.24	1.15
10.55	2.31	2.08	0.39	13.15	8.52	8.28	1.07
10.60	2.34	2.11	0.39	13.20	8.56	8.32	0.99
10.65	2.37	2.14	0.40	13.25	8.60	8.36	0.93
10.70	2.41	2.18	0.41	13.30	8.63	8.39	0.87
10.75	2.44	2.21	0.42	13.35	8.67	8.43	0.81
10.80	2.48	2.25	0.43	13.40	8.70	8.46	0.77
10.85	2.52	2.29	0.45	13.45	8.73	8.49	0.72
10.90	2.56	2.33	0.47	13.50	8.76	8.52	0.68
10.95	2.61	2.38	0.49	13.55	8.79	8.55	0.65
11.00	2.65	2.42	0.51	13.60	8.82	8.58	0.62
11.05	2.70	2.47	0.53	13.65	8.85	8.61	0.59
11.10	2.75	2.52	0.55	13.70	8.87	8.63	0.56
11.15	2.80	2.57	0.57	13.75	8.90	8.66	0.54
11.20	2.86	2.63	0.60	13.80	8.93	8.69	0.51
11.25	2.92	2.69	0.63	13.85	8.95	8.71	0.49
11.30	2.98	2.75	0.66	13.90	8.98	8.74	0.47
11.35	3.05	2.82	0.70	13.95	9.00	8.76	0.46
11.40	3.12	2.89	0.73	14.00	9.03	8.79	0.44
11.45	3.19	2.96	0.77	14.05	9.05	8.81	0.43
11.50	3.26	3.03	0.81	14.10	9.07	8.83	0.42
11.55	3.37	3.14	0.85	14.15	9.10	8.86	0.41
11.60	3.49	3.25	0.90	14.20	9.12	8.88	0.40
11.65	3.60	3.37	0.96	14.25	9.14	8.90	0.39
11.70	3.72	3.49	1.03	14.30	9.16	8.92	0.39
11.75	3.88	3.65	1.12	14.35	9.19	8.95	0.38
11.80	4.04	3.81	1.23	14.40	9.21	8.97	0.37
11.85	4.27	4.03	1.36	14.45	9.23	8.99	0.37
11.90	4.49	4.25	1.51	14.50	9.25	9.01	0.36
11.95	4.88	4.64	1.69	14.55	9.27	9.03	0.35
12.00	5.26	5.02	1.93	14.60	9.29	9.05	0.35
12.05	5.91	5.67	2.24	14.65	9.31	9.07	0.34
12.10	6.55	6.31	2.67	14.70	9.32	9.08	0.33
12.15	6.77	6.53	3.24	14.75	9.34	9.10	0.33
12.20	7.00	6.76	3.91	14.80	9.36	9.12	0.32
12.25	7.16	6.92	4.57	14.85	9.38	9.14	0.31
12.30	7.32	7.08	5.07	14.90	9.40	9.15	0.31
12.35	7.44	7.20	**5.26**	14.95	9.41	9.17	0.30
12.40	7.55	7.31	5.16	15.00	9.43	9.19	0.29
12.45	7.67	7.43	4.84	15.05	9.44	9.20	0.29
12.50	7.78	7.54	4.39	15.10	9.46	9.22	0.28
12.55	7.85	7.61	3.88	15.15	9.47	9.23	0.28
12.60	7.92	7.68	3.41	15.20	9.49	9.25	0.27
12.65	7.99	7.75	3.01	15.25	9.50	9.26	0.26
12.70	8.06	7.82	2.66	15.30	9.52	9.28	0.26
12.75	8.12	7.88	2.36	15.35	9.53	9.29	0.25
12.80	8.18	7.94	2.09	15.40	9.55	9.31	0.25
12.85	8.24	8.00	1.86	15.45	9.56	9.32	0.24
12.90	8.29	8.05	1.67	15.50	9.58	9.34	0.24
12.95	8.34	8.10	1.50	15.55	9.59	9.35	0.24

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	9.37	0.24	18.20	10.20	9.96	0.14
15.65	9.62	9.38	0.23	18.25	10.21	9.97	0.14
15.70	9.64	9.39	0.23	18.30	10.22	9.98	0.14
15.75	9.65	9.41	0.23	18.35	10.23	9.99	0.14
15.80	9.66	9.42	0.23	18.40	10.24	9.99	0.14
15.85	9.68	9.44	0.22	18.45	10.24	10.00	0.14
15.90	9.69	9.45	0.22	18.50	10.25	10.01	0.14
15.95	9.70	9.46	0.22	18.55	10.26	10.02	0.14
16.00	9.72	9.48	0.22	18.60	10.27	10.03	0.14
16.05	9.73	9.49	0.22	18.65	10.28	10.04	0.14
16.10	9.74	9.50	0.22	18.70	10.29	10.05	0.13
16.15	9.76	9.52	0.21	18.75	10.30	10.05	0.13
16.20	9.77	9.53	0.21	18.80	10.30	10.06	0.13
16.25	9.78	9.54	0.21	18.85	10.31	10.07	0.13
16.30	9.80	9.55	0.21	18.90	10.32	10.08	0.13
16.35	9.81	9.57	0.21	18.95	10.33	10.09	0.13
16.40	9.82	9.58	0.21	19.00	10.34	10.10	0.13
16.45	9.83	9.59	0.20	19.05	10.35	10.11	0.13
16.50	9.85	9.60	0.20	19.10	10.35	10.11	0.13
16.55	9.86	9.62	0.20	19.15	10.36	10.12	0.13
16.60	9.87	9.63	0.20	19.20	10.37	10.13	0.13
16.65	9.88	9.64	0.20	19.25	10.38	10.14	0.13
16.70	9.89	9.65	0.20	19.30	10.39	10.15	0.13
16.75	9.91	9.66	0.19	19.35	10.40	10.15	0.13
16.80	9.92	9.68	0.19	19.40	10.40	10.16	0.13
16.85	9.93	9.69	0.19	19.45	10.41	10.17	0.13
16.90	9.94	9.70	0.19	19.50	10.42	10.18	0.13
16.95	9.95	9.71	0.19	19.55	10.43	10.19	0.13
17.00	9.96	9.72	0.19	19.60	10.44	10.20	0.13
17.05	9.97	9.73	0.18	19.65	10.44	10.20	0.13
17.10	9.99	9.74	0.18	19.70	10.45	10.21	0.13
17.15	10.00	9.76	0.18	19.75	10.46	10.22	0.13
17.20	10.01	9.77	0.18	19.80	10.47	10.23	0.12
17.25	10.02	9.78	0.18	19.85	10.48	10.24	0.12
17.30	10.03	9.79	0.18	19.90	10.48	10.24	0.12
17.35	10.04	9.80	0.17	19.95	10.49	10.25	0.12
17.40	10.05	9.81	0.17	20.00	10.50	10.26	0.12
17.45	10.06	9.82	0.17	20.05	10.51	10.27	0.12
17.50	10.07	9.83	0.17	20.10	10.52	10.27	0.12
17.55	10.08	9.84	0.17	20.15	10.52	10.28	0.12
17.60	10.09	9.85	0.16	20.20	10.53	10.29	0.12
17.65	10.10	9.86	0.16	20.25	10.54	10.30	0.12
17.70	10.11	9.87	0.16	20.30	10.55	10.31	0.12
17.75	10.12	9.88	0.16	20.35	10.55	10.31	0.12
17.80	10.13	9.89	0.16	20.40	10.56	10.32	0.12
17.85	10.14	9.90	0.16	20.45	10.57	10.33	0.12
17.90	10.15	9.91	0.15	20.50	10.58	10.34	0.12
17.95	10.16	9.92	0.15	20.55	10.58	10.34	0.12
18.00	10.17	9.92	0.15	20.60	10.59	10.35	0.12
18.05	10.17	9.93	0.15	20.65	10.60	10.36	0.12
18.10	10.18	9.94	0.15	20.70	10.61	10.37	0.12
18.15	10.19	9.95	0.15	20.75	10.61	10.37	0.12

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	10.38	0.12	23.40	10.97	10.73	0.09
20.85	10.63	10.39	0.12	23.45	10.97	10.73	0.09
20.90	10.64	10.39	0.12	23.50	10.98	10.74	0.09
20.95	10.64	10.40	0.12	23.55	10.99	10.74	0.09
21.00	10.65	10.41	0.11	23.60	10.99	10.75	0.09
21.05	10.66	10.42	0.11	23.65	11.00	10.76	0.09
21.10	10.66	10.42	0.11	23.70	11.00	10.76	0.09
21.15	10.67	10.43	0.11	23.75	11.01	10.77	0.09
21.20	10.68	10.44	0.11	23.80	11.01	10.77	0.09
21.25	10.69	10.45	0.11	23.85	11.02	10.78	0.09
21.30	10.69	10.45	0.11	23.90	11.03	10.78	0.09
21.35	10.70	10.46	0.11	23.95	11.03	10.79	0.09
21.40	10.71	10.47	0.11	24.00	**11.04**	**10.80**	0.09
21.45	10.71	10.47	0.11	24.05	11.04	10.80	0.09
21.50	10.72	10.48	0.11	24.10	11.04	10.80	0.09
21.55	10.73	10.49	0.11	24.15	11.04	10.80	0.09
21.60	10.74	10.49	0.11	24.20	11.04	10.80	0.08
21.65	10.74	10.50	0.11	24.25	11.04	10.80	0.08
21.70	10.75	10.51	0.11	24.30	11.04	10.80	0.06
21.75	10.76	10.52	0.11	24.35	11.04	10.80	0.05
21.80	10.76	10.52	0.11	24.40	11.04	10.80	0.04
21.85	10.77	10.53	0.11	24.45	11.04	10.80	0.03
21.90	10.78	10.54	0.11	24.50	11.04	10.80	0.02
21.95	10.78	10.54	0.11	24.55	11.04	10.80	0.02
22.00	10.79	10.55	0.11	24.60	11.04	10.80	0.01
22.05	10.80	10.56	0.11	24.65	11.04	10.80	0.01
22.10	10.80	10.56	0.11	24.70	11.04	10.80	0.01
22.15	10.81	10.57	0.11	24.75	11.04	10.80	0.01
22.20	10.82	10.58	0.10	24.80	11.04	10.80	0.00
22.25	10.82	10.58	0.10	24.85	11.04	10.80	0.00
22.30	10.83	10.59	0.10	24.90	11.04	10.80	0.00
22.35	10.84	10.60	0.10	24.95	11.04	10.80	0.00
22.40	10.84	10.60	0.10	25.00	11.04	10.80	0.00
22.45	10.85	10.61	0.10	25.05	11.04	10.80	0.00
22.50	10.86	10.62	0.10	25.10	11.04	10.80	0.00
22.55	10.86	10.62	0.10	25.15	11.04	10.80	0.00
22.60	10.87	10.63	0.10	25.20	11.04	10.80	0.00
22.65	10.88	10.63	0.10	25.25	11.04	10.80	0.00
22.70	10.88	10.64	0.10	25.30	11.04	10.80	0.00
22.75	10.89	10.65	0.10	25.35	11.04	10.80	0.00
22.80	10.89	10.65	0.10	25.40	11.04	10.80	0.00
22.85	10.90	10.66	0.10	25.45	11.04	10.80	0.00
22.90	10.91	10.67	0.10	25.50	11.04	10.80	0.00
22.95	10.91	10.67	0.10	25.55	11.04	10.80	0.00
23.00	10.92	10.68	0.10	25.60	11.04	10.80	0.00
23.05	10.93	10.68	0.10	25.65	11.04	10.80	0.00
23.10	10.93	10.69	0.10	25.70	11.04	10.80	0.00
23.15	10.94	10.70	0.10	25.75	11.04	10.80	0.00
23.20	10.94	10.70	0.10	25.80	11.04	10.80	0.00
23.25	10.95	10.71	0.10	25.85	11.04	10.80	0.00
23.30	10.96	10.71	0.10	25.90	11.04	10.80	0.00
23.35	10.96	10.72	0.09	25.95	11.04	10.80	0.00

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	10.80	0.00	28.60	11.04	10.80	0.00
26.05	11.04	10.80	0.00	28.65	11.04	10.80	0.00
26.10	11.04	10.80	0.00	28.70	11.04	10.80	0.00
26.15	11.04	10.80	0.00	28.75	11.04	10.80	0.00
26.20	11.04	10.80	0.00	28.80	11.04	10.80	0.00
26.25	11.04	10.80	0.00	28.85	11.04	10.80	0.00
26.30	11.04	10.80	0.00	28.90	11.04	10.80	0.00
26.35	11.04	10.80	0.00	28.95	11.04	10.80	0.00
26.40	11.04	10.80	0.00	29.00	11.04	10.80	0.00
26.45	11.04	10.80	0.00	29.05	11.04	10.80	0.00
26.50	11.04	10.80	0.00	29.10	11.04	10.80	0.00
26.55	11.04	10.80	0.00	29.15	11.04	10.80	0.00
26.60	11.04	10.80	0.00	29.20	11.04	10.80	0.00
26.65	11.04	10.80	0.00	29.25	11.04	10.80	0.00
26.70	11.04	10.80	0.00	29.30	11.04	10.80	0.00
26.75	11.04	10.80	0.00	29.35	11.04	10.80	0.00
26.80	11.04	10.80	0.00	29.40	11.04	10.80	0.00
26.85	11.04	10.80	0.00	29.45	11.04	10.80	0.00
26.90	11.04	10.80	0.00	29.50	11.04	10.80	0.00
26.95	11.04	10.80	0.00	29.55	11.04	10.80	0.00
27.00	11.04	10.80	0.00	29.60	11.04	10.80	0.00
27.05	11.04	10.80	0.00	29.65	11.04	10.80	0.00
27.10	11.04	10.80	0.00	29.70	11.04	10.80	0.00
27.15	11.04	10.80	0.00	29.75	11.04	10.80	0.00
27.20	11.04	10.80	0.00	29.80	11.04	10.80	0.00
27.25	11.04	10.80	0.00	29.85	11.04	10.80	0.00
27.30	11.04	10.80	0.00	29.90	11.04	10.80	0.00
27.35	11.04	10.80	0.00	29.95	11.04	10.80	0.00
27.40	11.04	10.80	0.00	30.00	11.04	10.80	0.00
27.45	11.04	10.80	0.00	30.05	11.04	10.80	0.00
27.50	11.04	10.80	0.00	30.10	11.04	10.80	0.00
27.55	11.04	10.80	0.00	30.15	11.04	10.80	0.00
27.60	11.04	10.80	0.00	30.20	11.04	10.80	0.00
27.65	11.04	10.80	0.00	30.25	11.04	10.80	0.00
27.70	11.04	10.80	0.00	30.30	11.04	10.80	0.00
27.75	11.04	10.80	0.00	30.35	11.04	10.80	0.00
27.80	11.04	10.80	0.00	30.40	11.04	10.80	0.00
27.85	11.04	10.80	0.00	30.45	11.04	10.80	0.00
27.90	11.04	10.80	0.00	30.50	11.04	10.80	0.00
27.95	11.04	10.80	0.00	30.55	11.04	10.80	0.00
28.00	11.04	10.80	0.00	30.60	11.04	10.80	0.00
28.05	11.04	10.80	0.00	30.65	11.04	10.80	0.00
28.10	11.04	10.80	0.00	30.70	11.04	10.80	0.00
28.15	11.04	10.80	0.00	30.75	11.04	10.80	0.00
28.20	11.04	10.80	0.00	30.80	11.04	10.80	0.00
28.25	11.04	10.80	0.00	30.85	11.04	10.80	0.00
28.30	11.04	10.80	0.00	30.90	11.04	10.80	0.00
28.35	11.04	10.80	0.00	30.95	11.04	10.80	0.00
28.40	11.04	10.80	0.00	31.00	11.04	10.80	0.00
28.45	11.04	10.80	0.00	31.05	11.04	10.80	0.00
28.50	11.04	10.80	0.00	31.10	11.04	10.80	0.00
28.55	11.04	10.80	0.00	31.15	11.04	10.80	0.00

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	10.80	0.00	33.80	11.04	10.80	0.00
31.25	11.04	10.80	0.00	33.85	11.04	10.80	0.00
31.30	11.04	10.80	0.00	33.90	11.04	10.80	0.00
31.35	11.04	10.80	0.00	33.95	11.04	10.80	0.00
31.40	11.04	10.80	0.00	34.00	11.04	10.80	0.00
31.45	11.04	10.80	0.00	34.05	11.04	10.80	0.00
31.50	11.04	10.80	0.00	34.10	11.04	10.80	0.00
31.55	11.04	10.80	0.00	34.15	11.04	10.80	0.00
31.60	11.04	10.80	0.00	34.20	11.04	10.80	0.00
31.65	11.04	10.80	0.00	34.25	11.04	10.80	0.00
31.70	11.04	10.80	0.00	34.30	11.04	10.80	0.00
31.75	11.04	10.80	0.00	34.35	11.04	10.80	0.00
31.80	11.04	10.80	0.00	34.40	11.04	10.80	0.00
31.85	11.04	10.80	0.00	34.45	11.04	10.80	0.00
31.90	11.04	10.80	0.00	34.50	11.04	10.80	0.00
31.95	11.04	10.80	0.00	34.55	11.04	10.80	0.00
32.00	11.04	10.80	0.00	34.60	11.04	10.80	0.00
32.05	11.04	10.80	0.00	34.65	11.04	10.80	0.00
32.10	11.04	10.80	0.00	34.70	11.04	10.80	0.00
32.15	11.04	10.80	0.00	34.75	11.04	10.80	0.00
32.20	11.04	10.80	0.00	34.80	11.04	10.80	0.00
32.25	11.04	10.80	0.00	34.85	11.04	10.80	0.00
32.30	11.04	10.80	0.00	34.90	11.04	10.80	0.00
32.35	11.04	10.80	0.00	34.95	11.04	10.80	0.00
32.40	11.04	10.80	0.00	35.00	11.04	10.80	0.00
32.45	11.04	10.80	0.00	35.05	11.04	10.80	0.00
32.50	11.04	10.80	0.00	35.10	11.04	10.80	0.00
32.55	11.04	10.80	0.00	35.15	11.04	10.80	0.00
32.60	11.04	10.80	0.00	35.20	11.04	10.80	0.00
32.65	11.04	10.80	0.00	35.25	11.04	10.80	0.00
32.70	11.04	10.80	0.00	35.30	11.04	10.80	0.00
32.75	11.04	10.80	0.00	35.35	11.04	10.80	0.00
32.80	11.04	10.80	0.00	35.40	11.04	10.80	0.00
32.85	11.04	10.80	0.00	35.45	11.04	10.80	0.00
32.90	11.04	10.80	0.00	35.50	11.04	10.80	0.00
32.95	11.04	10.80	0.00	35.55	11.04	10.80	0.00
33.00	11.04	10.80	0.00	35.60	11.04	10.80	0.00
33.05	11.04	10.80	0.00	35.65	11.04	10.80	0.00
33.10	11.04	10.80	0.00	35.70	11.04	10.80	0.00
33.15	11.04	10.80	0.00	35.75	11.04	10.80	0.00
33.20	11.04	10.80	0.00	35.80	11.04	10.80	0.00
33.25	11.04	10.80	0.00	35.85	11.04	10.80	0.00
33.30	11.04	10.80	0.00	35.90	11.04	10.80	0.00
33.35	11.04	10.80	0.00	35.95	11.04	10.80	0.00
33.40	11.04	10.80	0.00	36.00	11.04	10.80	0.00
33.45	11.04	10.80	0.00	36.05	11.04	10.80	0.00
33.50	11.04	10.80	0.00	36.10	11.04	10.80	0.00
33.55	11.04	10.80	0.00	36.15	11.04	10.80	0.00
33.60	11.04	10.80	0.00	36.20	11.04	10.80	0.00
33.65	11.04	10.80	0.00	36.25	11.04	10.80	0.00
33.70	11.04	10.80	0.00	36.30	11.04	10.80	0.00
33.75	11.04	10.80	0.00	36.35	11.04	10.80	0.00

Hydrograph for Subcatchment 4S: PDA-6 (offsite impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	10.80	0.00
36.45	11.04	10.80	0.00
36.50	11.04	10.80	0.00
36.55	11.04	10.80	0.00
36.60	11.04	10.80	0.00
36.65	11.04	10.80	0.00
36.70	11.04	10.80	0.00
36.75	11.04	10.80	0.00
36.80	11.04	10.80	0.00
36.85	11.04	10.80	0.00
36.90	11.04	10.80	0.00
36.95	11.04	10.80	0.00
37.00	11.04	10.80	0.00
37.05	11.04	10.80	0.00
37.10	11.04	10.80	0.00
37.15	11.04	10.80	0.00
37.20	11.04	10.80	0.00
37.25	11.04	10.80	0.00
37.30	11.04	10.80	0.00
37.35	11.04	10.80	0.00
37.40	11.04	10.80	0.00
37.45	11.04	10.80	0.00
37.50	11.04	10.80	0.00
37.55	11.04	10.80	0.00
37.60	11.04	10.80	0.00
37.65	11.04	10.80	0.00
37.70	11.04	10.80	0.00
37.75	11.04	10.80	0.00
37.80	11.04	10.80	0.00
37.85	11.04	10.80	0.00
37.90	11.04	10.80	0.00
37.95	11.04	10.80	0.00
38.00	11.04	10.80	0.00
38.05	11.04	10.80	0.00
38.10	11.04	10.80	0.00
38.15	11.04	10.80	0.00
38.20	11.04	10.80	0.00
38.25	11.04	10.80	0.00
38.30	11.04	10.80	0.00
38.35	11.04	10.80	0.00
38.40	11.04	10.80	0.00
38.45	11.04	10.80	0.00
38.50	11.04	10.80	0.00
38.55	11.04	10.80	0.00
38.60	11.04	10.80	0.00
38.65	11.04	10.80	0.00
38.70	11.04	10.80	0.00
38.75	11.04	10.80	0.00
38.80	11.04	10.80	0.00
38.85	11.04	10.80	0.00
38.90	11.04	10.80	0.00
38.95	11.04	10.80	0.00
39.00	11.04	10.80	0.00
39.05	11.04	10.80	0.00
39.10	11.04	10.80	0.00
39.15	11.04	10.80	0.00
39.20	11.04	10.80	0.00
39.25	11.04	10.80	0.00
39.30	11.04	10.80	0.00
39.35	11.04	10.80	0.00
39.40	11.04	10.80	0.00
39.45	11.04	10.80	0.00
39.50	11.04	10.80	0.00
39.55	11.04	10.80	0.00
39.60	11.04	10.80	0.00
39.65	11.04	10.80	0.00
39.70	11.04	10.80	0.00
39.75	11.04	10.80	0.00
39.80	11.04	10.80	0.00
39.85	11.04	10.80	0.00
39.90	11.04	10.80	0.00
39.95	11.04	10.80	0.00
40.00	11.04	10.80	0.00

Summary for Subcatchment 51I: PDA-51 (impervious)

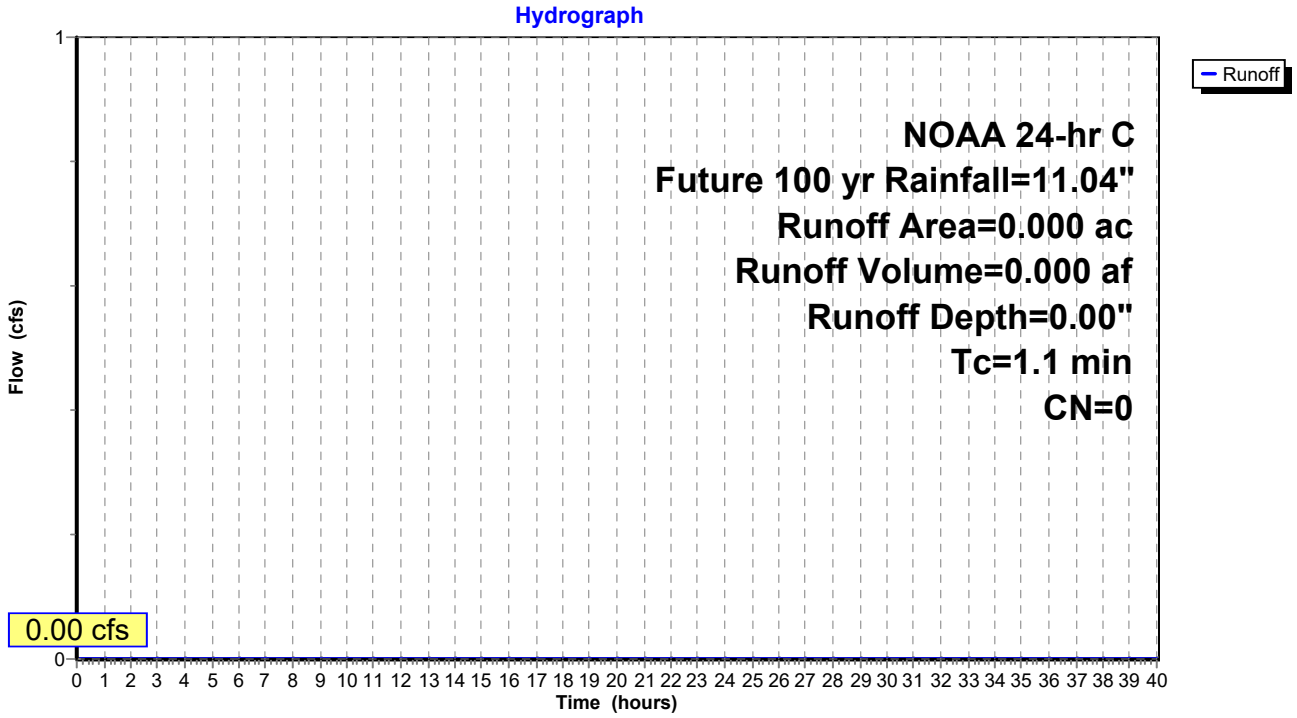
Runoff = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af, Depth= 0.00"
Routed to Pond B-51 : Basin #51

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

	Area (ac)	CN	Description
*	0.000	98	Roof, HSG C

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.1					**Direct Entry,**

Subcatchment 51I: PDA-51 (impervious)



Hydrograph for Subcatchment 51I: PDA-51 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	**0.00**	**0.00**	2.60	0.33	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.34	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.35	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.35	0.00	0.00
0.20	0.03	0.00	0.00	2.80	0.36	0.00	0.00
0.25	0.03	0.00	0.00	2.85	0.37	0.00	0.00
0.30	0.04	0.00	0.00	2.90	0.38	0.00	0.00
0.35	0.04	0.00	0.00	2.95	0.38	0.00	0.00
0.40	0.05	0.00	0.00	3.00	0.39	0.00	0.00
0.45	0.05	0.00	0.00	3.05	0.40	0.00	0.00
0.50	0.06	0.00	0.00	3.10	0.40	0.00	0.00
0.55	0.07	0.00	0.00	3.15	0.41	0.00	0.00
0.60	0.07	0.00	0.00	3.20	0.42	0.00	0.00
0.65	0.08	0.00	0.00	3.25	0.43	0.00	0.00
0.70	0.08	0.00	0.00	3.30	0.43	0.00	0.00
0.75	0.09	0.00	0.00	3.35	0.44	0.00	0.00
0.80	0.10	0.00	0.00	3.40	0.45	0.00	0.00
0.85	0.10	0.00	0.00	3.45	0.46	0.00	0.00
0.90	0.11	0.00	0.00	3.50	0.46	0.00	0.00
0.95	0.11	0.00	0.00	3.55	0.47	0.00	0.00
1.00	0.12	0.00	0.00	3.60	0.48	0.00	0.00
1.05	0.13	0.00	0.00	3.65	0.49	0.00	0.00
1.10	0.13	0.00	0.00	3.70	0.49	0.00	0.00
1.15	0.14	0.00	0.00	3.75	0.50	0.00	0.00
1.20	0.15	0.00	0.00	3.80	0.51	0.00	0.00
1.25	0.15	0.00	0.00	3.85	0.52	0.00	0.00
1.30	0.16	0.00	0.00	3.90	0.52	0.00	0.00
1.35	0.16	0.00	0.00	3.95	0.53	0.00	0.00
1.40	0.17	0.00	0.00	4.00	0.54	0.00	0.00
1.45	0.18	0.00	0.00	4.05	0.55	0.00	0.00
1.50	0.18	0.00	0.00	4.10	0.56	0.00	0.00
1.55	0.19	0.00	0.00	4.15	0.56	0.00	0.00
1.60	0.20	0.00	0.00	4.20	0.57	0.00	0.00
1.65	0.20	0.00	0.00	4.25	0.58	0.00	0.00
1.70	0.21	0.00	0.00	4.30	0.59	0.00	0.00
1.75	0.22	0.00	0.00	4.35	0.60	0.00	0.00
1.80	0.22	0.00	0.00	4.40	0.60	0.00	0.00
1.85	0.23	0.00	0.00	4.45	0.61	0.00	0.00
1.90	0.24	0.00	0.00	4.50	0.62	0.00	0.00
1.95	0.24	0.00	0.00	4.55	0.63	0.00	0.00
2.00	0.25	0.00	0.00	4.60	0.64	0.00	0.00
2.05	0.26	0.00	0.00	4.65	0.64	0.00	0.00
2.10	0.26	0.00	0.00	4.70	0.65	0.00	0.00
2.15	0.27	0.00	0.00	4.75	0.66	0.00	0.00
2.20	0.28	0.00	0.00	4.80	0.67	0.00	0.00
2.25	0.28	0.00	0.00	4.85	0.68	0.00	0.00
2.30	0.29	0.00	0.00	4.90	0.69	0.00	0.00
2.35	0.30	0.00	0.00	4.95	0.69	0.00	0.00
2.40	0.30	0.00	0.00	5.00	0.70	0.00	0.00
2.45	0.31	0.00	0.00	5.05	0.71	0.00	0.00
2.50	0.32	0.00	0.00	5.10	0.72	0.00	0.00
2.55	0.33	0.00	0.00	5.15	0.73	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.00	0.00	7.80	1.27	0.00	0.00
5.25	0.74	0.00	0.00	7.85	1.28	0.00	0.00
5.30	0.75	0.00	0.00	7.90	1.30	0.00	0.00
5.35	0.76	0.00	0.00	7.95	1.31	0.00	0.00
5.40	0.77	0.00	0.00	8.00	1.32	0.00	0.00
5.45	0.78	0.00	0.00	8.05	1.34	0.00	0.00
5.50	0.79	0.00	0.00	8.10	1.35	0.00	0.00
5.55	0.80	0.00	0.00	8.15	1.36	0.00	0.00
5.60	0.80	0.00	0.00	8.20	1.38	0.00	0.00
5.65	0.81	0.00	0.00	8.25	1.39	0.00	0.00
5.70	0.82	0.00	0.00	8.30	1.40	0.00	0.00
5.75	0.83	0.00	0.00	8.35	1.42	0.00	0.00
5.80	0.84	0.00	0.00	8.40	1.43	0.00	0.00
5.85	0.85	0.00	0.00	8.45	1.45	0.00	0.00
5.90	0.86	0.00	0.00	8.50	1.46	0.00	0.00
5.95	0.87	0.00	0.00	8.55	1.48	0.00	0.00
6.00	0.87	0.00	0.00	8.60	1.49	0.00	0.00
6.05	0.88	0.00	0.00	8.65	1.51	0.00	0.00
6.10	0.89	0.00	0.00	8.70	1.52	0.00	0.00
6.15	0.90	0.00	0.00	8.75	1.54	0.00	0.00
6.20	0.91	0.00	0.00	8.80	1.55	0.00	0.00
6.25	0.92	0.00	0.00	8.85	1.57	0.00	0.00
6.30	0.93	0.00	0.00	8.90	1.58	0.00	0.00
6.35	0.94	0.00	0.00	8.95	1.60	0.00	0.00
6.40	0.95	0.00	0.00	9.00	1.61	0.00	0.00
6.45	0.96	0.00	0.00	9.05	1.63	0.00	0.00
6.50	0.97	0.00	0.00	9.10	1.64	0.00	0.00
6.55	0.98	0.00	0.00	9.15	1.66	0.00	0.00
6.60	0.99	0.00	0.00	9.20	1.68	0.00	0.00
6.65	1.00	0.00	0.00	9.25	1.70	0.00	0.00
6.70	1.01	0.00	0.00	9.30	1.72	0.00	0.00
6.75	1.02	0.00	0.00	9.35	1.73	0.00	0.00
6.80	1.03	0.00	0.00	9.40	1.75	0.00	0.00
6.85	1.04	0.00	0.00	9.45	1.77	0.00	0.00
6.90	1.05	0.00	0.00	9.50	1.79	0.00	0.00
6.95	1.07	0.00	0.00	9.55	1.81	0.00	0.00
7.00	1.08	0.00	0.00	9.60	1.83	0.00	0.00
7.05	1.09	0.00	0.00	9.65	1.85	0.00	0.00
7.10	1.10	0.00	0.00	9.70	1.88	0.00	0.00
7.15	1.11	0.00	0.00	9.75	1.90	0.00	0.00
7.20	1.12	0.00	0.00	9.80	1.92	0.00	0.00
7.25	1.13	0.00	0.00	9.85	1.94	0.00	0.00
7.30	1.15	0.00	0.00	9.90	1.97	0.00	0.00
7.35	1.16	0.00	0.00	9.95	1.99	0.00	0.00
7.40	1.17	0.00	0.00	10.00	2.01	0.00	0.00
7.45	1.18	0.00	0.00	10.05	2.04	0.00	0.00
7.50	1.19	0.00	0.00	10.10	2.06	0.00	0.00
7.55	1.21	0.00	0.00	10.15	2.09	0.00	0.00
7.60	1.22	0.00	0.00	10.20	2.11	0.00	0.00
7.65	1.23	0.00	0.00	10.25	2.14	0.00	0.00
7.70	1.24	0.00	0.00	10.30	2.17	0.00	0.00
7.75	1.26	0.00	0.00	10.35	2.19	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	0.00	0.00	13.00	8.39	0.00	0.00
10.45	2.25	0.00	0.00	13.05	8.43	0.00	0.00
10.50	2.28	0.00	0.00	13.10	8.48	0.00	0.00
10.55	2.31	0.00	0.00	13.15	8.52	0.00	0.00
10.60	2.34	0.00	0.00	13.20	8.56	0.00	0.00
10.65	2.37	0.00	0.00	13.25	8.60	0.00	0.00
10.70	2.41	0.00	0.00	13.30	8.63	0.00	0.00
10.75	2.44	0.00	0.00	13.35	8.67	0.00	0.00
10.80	2.48	0.00	0.00	13.40	8.70	0.00	0.00
10.85	2.52	0.00	0.00	13.45	8.73	0.00	0.00
10.90	2.56	0.00	0.00	13.50	8.76	0.00	0.00
10.95	2.61	0.00	0.00	13.55	8.79	0.00	0.00
11.00	2.65	0.00	0.00	13.60	8.82	0.00	0.00
11.05	2.70	0.00	0.00	13.65	8.85	0.00	0.00
11.10	2.75	0.00	0.00	13.70	8.87	0.00	0.00
11.15	2.80	0.00	0.00	13.75	8.90	0.00	0.00
11.20	2.86	0.00	0.00	13.80	8.93	0.00	0.00
11.25	2.92	0.00	0.00	13.85	8.95	0.00	0.00
11.30	2.98	0.00	0.00	13.90	8.98	0.00	0.00
11.35	3.05	0.00	0.00	13.95	9.00	0.00	0.00
11.40	3.12	0.00	0.00	14.00	9.03	0.00	0.00
11.45	3.19	0.00	0.00	14.05	9.05	0.00	0.00
11.50	3.26	0.00	0.00	14.10	9.07	0.00	0.00
11.55	3.37	0.00	0.00	14.15	9.10	0.00	0.00
11.60	3.49	0.00	0.00	14.20	9.12	0.00	0.00
11.65	3.60	0.00	0.00	14.25	9.14	0.00	0.00
11.70	3.72	0.00	0.00	14.30	9.16	0.00	0.00
11.75	3.88	0.00	0.00	14.35	9.19	0.00	0.00
11.80	4.04	0.00	0.00	14.40	9.21	0.00	0.00
11.85	4.27	0.00	0.00	14.45	9.23	0.00	0.00
11.90	4.49	0.00	0.00	14.50	9.25	0.00	0.00
11.95	4.88	0.00	0.00	14.55	9.27	0.00	0.00
12.00	5.26	0.00	0.00	14.60	9.29	0.00	0.00
12.05	5.91	0.00	0.00	14.65	9.31	0.00	0.00
12.10	6.55	0.00	0.00	14.70	9.32	0.00	0.00
12.15	6.77	0.00	0.00	14.75	9.34	0.00	0.00
12.20	7.00	0.00	0.00	14.80	9.36	0.00	0.00
12.25	7.16	0.00	0.00	14.85	9.38	0.00	0.00
12.30	7.32	0.00	0.00	14.90	9.40	0.00	0.00
12.35	7.44	0.00	0.00	14.95	9.41	0.00	0.00
12.40	7.55	0.00	0.00	15.00	9.43	0.00	0.00
12.45	7.67	0.00	0.00	15.05	9.44	0.00	0.00
12.50	7.78	0.00	0.00	15.10	9.46	0.00	0.00
12.55	7.85	0.00	0.00	15.15	9.47	0.00	0.00
12.60	7.92	0.00	0.00	15.20	9.49	0.00	0.00
12.65	7.99	0.00	0.00	15.25	9.50	0.00	0.00
12.70	8.06	0.00	0.00	15.30	9.52	0.00	0.00
12.75	8.12	0.00	0.00	15.35	9.53	0.00	0.00
12.80	8.18	0.00	0.00	15.40	9.55	0.00	0.00
12.85	8.24	0.00	0.00	15.45	9.56	0.00	0.00
12.90	8.29	0.00	0.00	15.50	9.58	0.00	0.00
12.95	8.34	0.00	0.00	15.55	9.59	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	0.00	0.00	18.20	10.20	0.00	0.00
15.65	9.62	0.00	0.00	18.25	10.21	0.00	0.00
15.70	9.64	0.00	0.00	18.30	10.22	0.00	0.00
15.75	9.65	0.00	0.00	18.35	10.23	0.00	0.00
15.80	9.66	0.00	0.00	18.40	10.24	0.00	0.00
15.85	9.68	0.00	0.00	18.45	10.24	0.00	0.00
15.90	9.69	0.00	0.00	18.50	10.25	0.00	0.00
15.95	9.70	0.00	0.00	18.55	10.26	0.00	0.00
16.00	9.72	0.00	0.00	18.60	10.27	0.00	0.00
16.05	9.73	0.00	0.00	18.65	10.28	0.00	0.00
16.10	9.74	0.00	0.00	18.70	10.29	0.00	0.00
16.15	9.76	0.00	0.00	18.75	10.30	0.00	0.00
16.20	9.77	0.00	0.00	18.80	10.30	0.00	0.00
16.25	9.78	0.00	0.00	18.85	10.31	0.00	0.00
16.30	9.80	0.00	0.00	18.90	10.32	0.00	0.00
16.35	9.81	0.00	0.00	18.95	10.33	0.00	0.00
16.40	9.82	0.00	0.00	19.00	10.34	0.00	0.00
16.45	9.83	0.00	0.00	19.05	10.35	0.00	0.00
16.50	9.85	0.00	0.00	19.10	10.35	0.00	0.00
16.55	9.86	0.00	0.00	19.15	10.36	0.00	0.00
16.60	9.87	0.00	0.00	19.20	10.37	0.00	0.00
16.65	9.88	0.00	0.00	19.25	10.38	0.00	0.00
16.70	9.89	0.00	0.00	19.30	10.39	0.00	0.00
16.75	9.91	0.00	0.00	19.35	10.40	0.00	0.00
16.80	9.92	0.00	0.00	19.40	10.40	0.00	0.00
16.85	9.93	0.00	0.00	19.45	10.41	0.00	0.00
16.90	9.94	0.00	0.00	19.50	10.42	0.00	0.00
16.95	9.95	0.00	0.00	19.55	10.43	0.00	0.00
17.00	9.96	0.00	0.00	19.60	10.44	0.00	0.00
17.05	9.97	0.00	0.00	19.65	10.44	0.00	0.00
17.10	9.99	0.00	0.00	19.70	10.45	0.00	0.00
17.15	10.00	0.00	0.00	19.75	10.46	0.00	0.00
17.20	10.01	0.00	0.00	19.80	10.47	0.00	0.00
17.25	10.02	0.00	0.00	19.85	10.48	0.00	0.00
17.30	10.03	0.00	0.00	19.90	10.48	0.00	0.00
17.35	10.04	0.00	0.00	19.95	10.49	0.00	0.00
17.40	10.05	0.00	0.00	20.00	10.50	0.00	0.00
17.45	10.06	0.00	0.00	20.05	10.51	0.00	0.00
17.50	10.07	0.00	0.00	20.10	10.52	0.00	0.00
17.55	10.08	0.00	0.00	20.15	10.52	0.00	0.00
17.60	10.09	0.00	0.00	20.20	10.53	0.00	0.00
17.65	10.10	0.00	0.00	20.25	10.54	0.00	0.00
17.70	10.11	0.00	0.00	20.30	10.55	0.00	0.00
17.75	10.12	0.00	0.00	20.35	10.55	0.00	0.00
17.80	10.13	0.00	0.00	20.40	10.56	0.00	0.00
17.85	10.14	0.00	0.00	20.45	10.57	0.00	0.00
17.90	10.15	0.00	0.00	20.50	10.58	0.00	0.00
17.95	10.16	0.00	0.00	20.55	10.58	0.00	0.00
18.00	10.17	0.00	0.00	20.60	10.59	0.00	0.00
18.05	10.17	0.00	0.00	20.65	10.60	0.00	0.00
18.10	10.18	0.00	0.00	20.70	10.61	0.00	0.00
18.15	10.19	0.00	0.00	20.75	10.61	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	0.00	0.00	23.40	10.97	0.00	0.00
20.85	10.63	0.00	0.00	23.45	10.97	0.00	0.00
20.90	10.64	0.00	0.00	23.50	10.98	0.00	0.00
20.95	10.64	0.00	0.00	23.55	10.99	0.00	0.00
21.00	10.65	0.00	0.00	23.60	10.99	0.00	0.00
21.05	10.66	0.00	0.00	23.65	11.00	0.00	0.00
21.10	10.66	0.00	0.00	23.70	11.00	0.00	0.00
21.15	10.67	0.00	0.00	23.75	11.01	0.00	0.00
21.20	10.68	0.00	0.00	23.80	11.01	0.00	0.00
21.25	10.69	0.00	0.00	23.85	11.02	0.00	0.00
21.30	10.69	0.00	0.00	23.90	11.03	0.00	0.00
21.35	10.70	0.00	0.00	23.95	11.03	0.00	0.00
21.40	10.71	0.00	0.00	24.00	**11.04**	0.00	0.00
21.45	10.71	0.00	0.00	24.05	11.04	0.00	0.00
21.50	10.72	0.00	0.00	24.10	11.04	0.00	0.00
21.55	10.73	0.00	0.00	24.15	11.04	0.00	0.00
21.60	10.74	0.00	0.00	24.20	11.04	0.00	0.00
21.65	10.74	0.00	0.00	24.25	11.04	0.00	0.00
21.70	10.75	0.00	0.00	24.30	11.04	0.00	0.00
21.75	10.76	0.00	0.00	24.35	11.04	0.00	0.00
21.80	10.76	0.00	0.00	24.40	11.04	0.00	0.00
21.85	10.77	0.00	0.00	24.45	11.04	0.00	0.00
21.90	10.78	0.00	0.00	24.50	11.04	0.00	0.00
21.95	10.78	0.00	0.00	24.55	11.04	0.00	0.00
22.00	10.79	0.00	0.00	24.60	11.04	0.00	0.00
22.05	10.80	0.00	0.00	24.65	11.04	0.00	0.00
22.10	10.80	0.00	0.00	24.70	11.04	0.00	0.00
22.15	10.81	0.00	0.00	24.75	11.04	0.00	0.00
22.20	10.82	0.00	0.00	24.80	11.04	0.00	0.00
22.25	10.82	0.00	0.00	24.85	11.04	0.00	0.00
22.30	10.83	0.00	0.00	24.90	11.04	0.00	0.00
22.35	10.84	0.00	0.00	24.95	11.04	0.00	0.00
22.40	10.84	0.00	0.00	25.00	11.04	0.00	0.00
22.45	10.85	0.00	0.00	25.05	11.04	0.00	0.00
22.50	10.86	0.00	0.00	25.10	11.04	0.00	0.00
22.55	10.86	0.00	0.00	25.15	11.04	0.00	0.00
22.60	10.87	0.00	0.00	25.20	11.04	0.00	0.00
22.65	10.88	0.00	0.00	25.25	11.04	0.00	0.00
22.70	10.88	0.00	0.00	25.30	11.04	0.00	0.00
22.75	10.89	0.00	0.00	25.35	11.04	0.00	0.00
22.80	10.89	0.00	0.00	25.40	11.04	0.00	0.00
22.85	10.90	0.00	0.00	25.45	11.04	0.00	0.00
22.90	10.91	0.00	0.00	25.50	11.04	0.00	0.00
22.95	10.91	0.00	0.00	25.55	11.04	0.00	0.00
23.00	10.92	0.00	0.00	25.60	11.04	0.00	0.00
23.05	10.93	0.00	0.00	25.65	11.04	0.00	0.00
23.10	10.93	0.00	0.00	25.70	11.04	0.00	0.00
23.15	10.94	0.00	0.00	25.75	11.04	0.00	0.00
23.20	10.94	0.00	0.00	25.80	11.04	0.00	0.00
23.25	10.95	0.00	0.00	25.85	11.04	0.00	0.00
23.30	10.96	0.00	0.00	25.90	11.04	0.00	0.00
23.35	10.96	0.00	0.00	25.95	11.04	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	0.00	0.00	28.60	11.04	0.00	0.00
26.05	11.04	0.00	0.00	28.65	11.04	0.00	0.00
26.10	11.04	0.00	0.00	28.70	11.04	0.00	0.00
26.15	11.04	0.00	0.00	28.75	11.04	0.00	0.00
26.20	11.04	0.00	0.00	28.80	11.04	0.00	0.00
26.25	11.04	0.00	0.00	28.85	11.04	0.00	0.00
26.30	11.04	0.00	0.00	28.90	11.04	0.00	0.00
26.35	11.04	0.00	0.00	28.95	11.04	0.00	0.00
26.40	11.04	0.00	0.00	29.00	11.04	0.00	0.00
26.45	11.04	0.00	0.00	29.05	11.04	0.00	0.00
26.50	11.04	0.00	0.00	29.10	11.04	0.00	0.00
26.55	11.04	0.00	0.00	29.15	11.04	0.00	0.00
26.60	11.04	0.00	0.00	29.20	11.04	0.00	0.00
26.65	11.04	0.00	0.00	29.25	11.04	0.00	0.00
26.70	11.04	0.00	0.00	29.30	11.04	0.00	0.00
26.75	11.04	0.00	0.00	29.35	11.04	0.00	0.00
26.80	11.04	0.00	0.00	29.40	11.04	0.00	0.00
26.85	11.04	0.00	0.00	29.45	11.04	0.00	0.00
26.90	11.04	0.00	0.00	29.50	11.04	0.00	0.00
26.95	11.04	0.00	0.00	29.55	11.04	0.00	0.00
27.00	11.04	0.00	0.00	29.60	11.04	0.00	0.00
27.05	11.04	0.00	0.00	29.65	11.04	0.00	0.00
27.10	11.04	0.00	0.00	29.70	11.04	0.00	0.00
27.15	11.04	0.00	0.00	29.75	11.04	0.00	0.00
27.20	11.04	0.00	0.00	29.80	11.04	0.00	0.00
27.25	11.04	0.00	0.00	29.85	11.04	0.00	0.00
27.30	11.04	0.00	0.00	29.90	11.04	0.00	0.00
27.35	11.04	0.00	0.00	29.95	11.04	0.00	0.00
27.40	11.04	0.00	0.00	30.00	11.04	0.00	0.00
27.45	11.04	0.00	0.00	30.05	11.04	0.00	0.00
27.50	11.04	0.00	0.00	30.10	11.04	0.00	0.00
27.55	11.04	0.00	0.00	30.15	11.04	0.00	0.00
27.60	11.04	0.00	0.00	30.20	11.04	0.00	0.00
27.65	11.04	0.00	0.00	30.25	11.04	0.00	0.00
27.70	11.04	0.00	0.00	30.30	11.04	0.00	0.00
27.75	11.04	0.00	0.00	30.35	11.04	0.00	0.00
27.80	11.04	0.00	0.00	30.40	11.04	0.00	0.00
27.85	11.04	0.00	0.00	30.45	11.04	0.00	0.00
27.90	11.04	0.00	0.00	30.50	11.04	0.00	0.00
27.95	11.04	0.00	0.00	30.55	11.04	0.00	0.00
28.00	11.04	0.00	0.00	30.60	11.04	0.00	0.00
28.05	11.04	0.00	0.00	30.65	11.04	0.00	0.00
28.10	11.04	0.00	0.00	30.70	11.04	0.00	0.00
28.15	11.04	0.00	0.00	30.75	11.04	0.00	0.00
28.20	11.04	0.00	0.00	30.80	11.04	0.00	0.00
28.25	11.04	0.00	0.00	30.85	11.04	0.00	0.00
28.30	11.04	0.00	0.00	30.90	11.04	0.00	0.00
28.35	11.04	0.00	0.00	30.95	11.04	0.00	0.00
28.40	11.04	0.00	0.00	31.00	11.04	0.00	0.00
28.45	11.04	0.00	0.00	31.05	11.04	0.00	0.00
28.50	11.04	0.00	0.00	31.10	11.04	0.00	0.00
28.55	11.04	0.00	0.00	31.15	11.04	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	0.00	0.00	33.80	11.04	0.00	0.00
31.25	11.04	0.00	0.00	33.85	11.04	0.00	0.00
31.30	11.04	0.00	0.00	33.90	11.04	0.00	0.00
31.35	11.04	0.00	0.00	33.95	11.04	0.00	0.00
31.40	11.04	0.00	0.00	34.00	11.04	0.00	0.00
31.45	11.04	0.00	0.00	34.05	11.04	0.00	0.00
31.50	11.04	0.00	0.00	34.10	11.04	0.00	0.00
31.55	11.04	0.00	0.00	34.15	11.04	0.00	0.00
31.60	11.04	0.00	0.00	34.20	11.04	0.00	0.00
31.65	11.04	0.00	0.00	34.25	11.04	0.00	0.00
31.70	11.04	0.00	0.00	34.30	11.04	0.00	0.00
31.75	11.04	0.00	0.00	34.35	11.04	0.00	0.00
31.80	11.04	0.00	0.00	34.40	11.04	0.00	0.00
31.85	11.04	0.00	0.00	34.45	11.04	0.00	0.00
31.90	11.04	0.00	0.00	34.50	11.04	0.00	0.00
31.95	11.04	0.00	0.00	34.55	11.04	0.00	0.00
32.00	11.04	0.00	0.00	34.60	11.04	0.00	0.00
32.05	11.04	0.00	0.00	34.65	11.04	0.00	0.00
32.10	11.04	0.00	0.00	34.70	11.04	0.00	0.00
32.15	11.04	0.00	0.00	34.75	11.04	0.00	0.00
32.20	11.04	0.00	0.00	34.80	11.04	0.00	0.00
32.25	11.04	0.00	0.00	34.85	11.04	0.00	0.00
32.30	11.04	0.00	0.00	34.90	11.04	0.00	0.00
32.35	11.04	0.00	0.00	34.95	11.04	0.00	0.00
32.40	11.04	0.00	0.00	35.00	11.04	0.00	0.00
32.45	11.04	0.00	0.00	35.05	11.04	0.00	0.00
32.50	11.04	0.00	0.00	35.10	11.04	0.00	0.00
32.55	11.04	0.00	0.00	35.15	11.04	0.00	0.00
32.60	11.04	0.00	0.00	35.20	11.04	0.00	0.00
32.65	11.04	0.00	0.00	35.25	11.04	0.00	0.00
32.70	11.04	0.00	0.00	35.30	11.04	0.00	0.00
32.75	11.04	0.00	0.00	35.35	11.04	0.00	0.00
32.80	11.04	0.00	0.00	35.40	11.04	0.00	0.00
32.85	11.04	0.00	0.00	35.45	11.04	0.00	0.00
32.90	11.04	0.00	0.00	35.50	11.04	0.00	0.00
32.95	11.04	0.00	0.00	35.55	11.04	0.00	0.00
33.00	11.04	0.00	0.00	35.60	11.04	0.00	0.00
33.05	11.04	0.00	0.00	35.65	11.04	0.00	0.00
33.10	11.04	0.00	0.00	35.70	11.04	0.00	0.00
33.15	11.04	0.00	0.00	35.75	11.04	0.00	0.00
33.20	11.04	0.00	0.00	35.80	11.04	0.00	0.00
33.25	11.04	0.00	0.00	35.85	11.04	0.00	0.00
33.30	11.04	0.00	0.00	35.90	11.04	0.00	0.00
33.35	11.04	0.00	0.00	35.95	11.04	0.00	0.00
33.40	11.04	0.00	0.00	36.00	11.04	0.00	0.00
33.45	11.04	0.00	0.00	36.05	11.04	0.00	0.00
33.50	11.04	0.00	0.00	36.10	11.04	0.00	0.00
33.55	11.04	0.00	0.00	36.15	11.04	0.00	0.00
33.60	11.04	0.00	0.00	36.20	11.04	0.00	0.00
33.65	11.04	0.00	0.00	36.25	11.04	0.00	0.00
33.70	11.04	0.00	0.00	36.30	11.04	0.00	0.00
33.75	11.04	0.00	0.00	36.35	11.04	0.00	0.00

Hydrograph for Subcatchment 51I: PDA-51 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	0.00	0.00
36.45	11.04	0.00	0.00
36.50	11.04	0.00	0.00
36.55	11.04	0.00	0.00
36.60	11.04	0.00	0.00
36.65	11.04	0.00	0.00
36.70	11.04	0.00	0.00
36.75	11.04	0.00	0.00
36.80	11.04	0.00	0.00
36.85	11.04	0.00	0.00
36.90	11.04	0.00	0.00
36.95	11.04	0.00	0.00
37.00	11.04	0.00	0.00
37.05	11.04	0.00	0.00
37.10	11.04	0.00	0.00
37.15	11.04	0.00	0.00
37.20	11.04	0.00	0.00
37.25	11.04	0.00	0.00
37.30	11.04	0.00	0.00
37.35	11.04	0.00	0.00
37.40	11.04	0.00	0.00
37.45	11.04	0.00	0.00
37.50	11.04	0.00	0.00
37.55	11.04	0.00	0.00
37.60	11.04	0.00	0.00
37.65	11.04	0.00	0.00
37.70	11.04	0.00	0.00
37.75	11.04	0.00	0.00
37.80	11.04	0.00	0.00
37.85	11.04	0.00	0.00
37.90	11.04	0.00	0.00
37.95	11.04	0.00	0.00
38.00	11.04	0.00	0.00
38.05	11.04	0.00	0.00
38.10	11.04	0.00	0.00
38.15	11.04	0.00	0.00
38.20	11.04	0.00	0.00
38.25	11.04	0.00	0.00
38.30	11.04	0.00	0.00
38.35	11.04	0.00	0.00
38.40	11.04	0.00	0.00
38.45	11.04	0.00	0.00
38.50	11.04	0.00	0.00
38.55	11.04	0.00	0.00
38.60	11.04	0.00	0.00
38.65	11.04	0.00	0.00
38.70	11.04	0.00	0.00
38.75	11.04	0.00	0.00
38.80	11.04	0.00	0.00
38.85	11.04	0.00	0.00
38.90	11.04	0.00	0.00
38.95	11.04	0.00	0.00
39.00	11.04	0.00	0.00
39.05	11.04	0.00	0.00
39.10	11.04	0.00	0.00
39.15	11.04	0.00	0.00
39.20	11.04	0.00	0.00
39.25	11.04	0.00	0.00
39.30	11.04	0.00	0.00
39.35	11.04	0.00	0.00
39.40	11.04	0.00	0.00
39.45	11.04	0.00	0.00
39.50	11.04	0.00	0.00
39.55	11.04	0.00	0.00
39.60	11.04	0.00	0.00
39.65	11.04	0.00	0.00
39.70	11.04	0.00	0.00
39.75	11.04	0.00	0.00
39.80	11.04	0.00	0.00
39.85	11.04	0.00	0.00
39.90	11.04	0.00	0.00
39.95	11.04	0.00	0.00
40.00	11.04	0.00	0.00

Summary for Subcatchment 51P: PDA-51 (pervious)

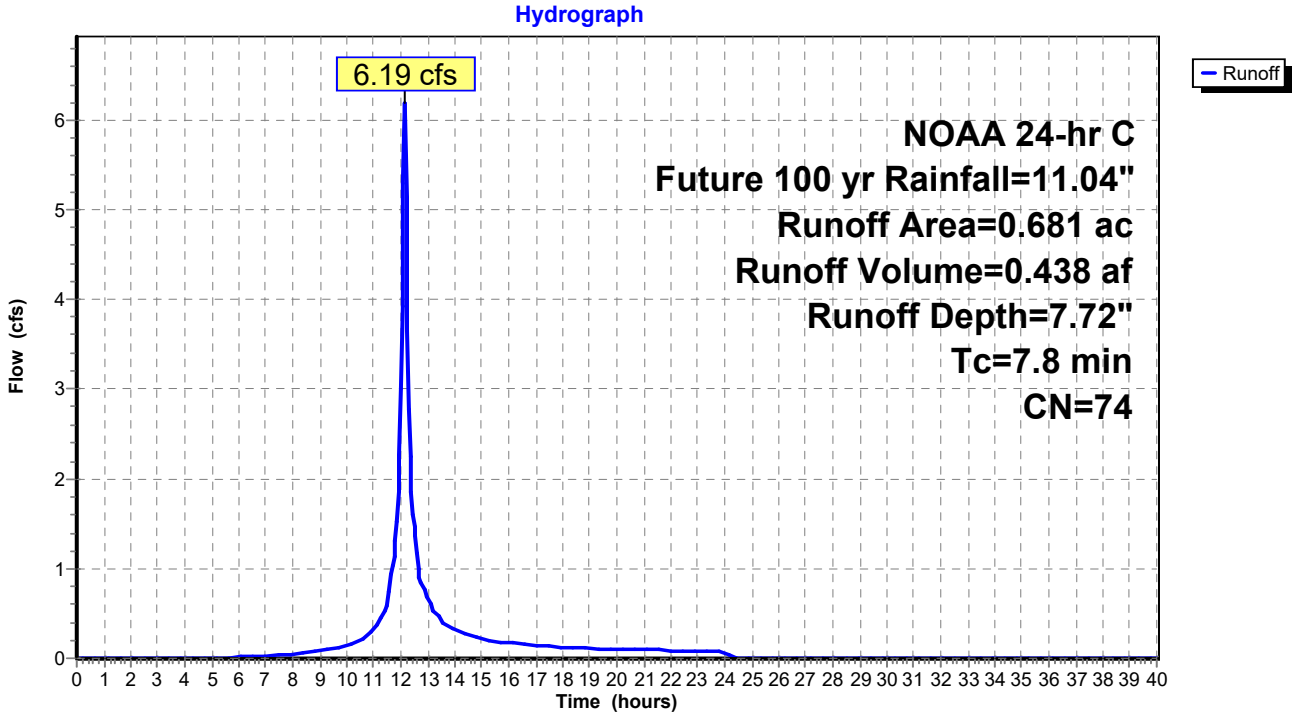
Runoff = 6.19 cfs @ 12.15 hrs, Volume= 0.438 af, Depth= 7.72"
Routed to Pond B-51 : Basin #51

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

Area (ac)	CN	Description
0.681	74	>75% Grass cover, Good, HSG C
0.681		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
7.8					**Direct Entry,**

Subcatchment 51P: PDA-51 (pervious)



Hydrograph for Subcatchment 51P: PDA-51 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.34	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.35	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.35	0.00	0.00
0.20	0.03	0.00	0.00	2.80	0.36	0.00	0.00
0.25	0.03	0.00	0.00	2.85	0.37	0.00	0.00
0.30	0.04	0.00	0.00	2.90	0.38	0.00	0.00
0.35	0.04	0.00	0.00	2.95	0.38	0.00	0.00
0.40	0.05	0.00	0.00	3.00	0.39	0.00	0.00
0.45	0.05	0.00	0.00	3.05	0.40	0.00	0.00
0.50	0.06	0.00	0.00	3.10	0.40	0.00	0.00
0.55	0.07	0.00	0.00	3.15	0.41	0.00	0.00
0.60	0.07	0.00	0.00	3.20	0.42	0.00	0.00
0.65	0.08	0.00	0.00	3.25	0.43	0.00	0.00
0.70	0.08	0.00	0.00	3.30	0.43	0.00	0.00
0.75	0.09	0.00	0.00	3.35	0.44	0.00	0.00
0.80	0.10	0.00	0.00	3.40	0.45	0.00	0.00
0.85	0.10	0.00	0.00	3.45	0.46	0.00	0.00
0.90	0.11	0.00	0.00	3.50	0.46	0.00	0.00
0.95	0.11	0.00	0.00	3.55	0.47	0.00	0.00
1.00	0.12	0.00	0.00	3.60	0.48	0.00	0.00
1.05	0.13	0.00	0.00	3.65	0.49	0.00	0.00
1.10	0.13	0.00	0.00	3.70	0.49	0.00	0.00
1.15	0.14	0.00	0.00	3.75	0.50	0.00	0.00
1.20	0.15	0.00	0.00	3.80	0.51	0.00	0.00
1.25	0.15	0.00	0.00	3.85	0.52	0.00	0.00
1.30	0.16	0.00	0.00	3.90	0.52	0.00	0.00
1.35	0.16	0.00	0.00	3.95	0.53	0.00	0.00
1.40	0.17	0.00	0.00	4.00	0.54	0.00	0.00
1.45	0.18	0.00	0.00	4.05	0.55	0.00	0.00
1.50	0.18	0.00	0.00	4.10	0.56	0.00	0.00
1.55	0.19	0.00	0.00	4.15	0.56	0.00	0.00
1.60	0.20	0.00	0.00	4.20	0.57	0.00	0.00
1.65	0.20	0.00	0.00	4.25	0.58	0.00	0.00
1.70	0.21	0.00	0.00	4.30	0.59	0.00	0.00
1.75	0.22	0.00	0.00	4.35	0.60	0.00	0.00
1.80	0.22	0.00	0.00	4.40	0.60	0.00	0.00
1.85	0.23	0.00	0.00	4.45	0.61	0.00	0.00
1.90	0.24	0.00	0.00	4.50	0.62	0.00	0.00
1.95	0.24	0.00	0.00	4.55	0.63	0.00	0.00
2.00	0.25	0.00	0.00	4.60	0.64	0.00	0.00
2.05	0.26	0.00	0.00	4.65	0.64	0.00	0.00
2.10	0.26	0.00	0.00	4.70	0.65	0.00	0.00
2.15	0.27	0.00	0.00	4.75	0.66	0.00	0.00
2.20	0.28	0.00	0.00	4.80	0.67	0.00	0.00
2.25	0.28	0.00	0.00	4.85	0.68	0.00	0.00
2.30	0.29	0.00	0.00	4.90	0.69	0.00	0.00
2.35	0.30	0.00	0.00	4.95	0.69	0.00	0.00
2.40	0.30	0.00	0.00	5.00	0.70	0.00	0.00
2.45	0.31	0.00	0.00	5.05	0.71	0.00	0.00
2.50	0.32	0.00	0.00	5.10	0.72	0.00	0.00
2.55	0.33	0.00	0.00	5.15	0.73	0.00	0.00

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.00	0.00	7.80	1.27	0.08	0.04
5.25	0.74	0.00	0.00	7.85	1.28	0.08	0.04
5.30	0.75	0.00	0.00	7.90	1.30	0.09	0.05
5.35	0.76	0.00	0.00	7.95	1.31	0.09	0.05
5.40	0.77	0.00	0.00	8.00	1.32	0.09	0.05
5.45	0.78	0.00	0.00	8.05	1.34	0.10	0.05
5.50	0.79	0.00	0.00	8.10	1.35	0.10	0.05
5.55	0.80	0.00	0.00	8.15	1.36	0.10	0.05
5.60	0.80	0.00	0.01	8.20	1.38	0.11	0.05
5.65	0.81	0.00	0.01	8.25	1.39	0.11	0.05
5.70	0.82	0.00	0.01	8.30	1.40	0.12	0.06
5.75	0.83	0.00	0.01	8.35	1.42	0.12	0.06
5.80	0.84	0.01	0.01	8.40	1.43	0.13	0.06
5.85	0.85	0.01	0.01	8.45	1.45	0.13	0.06
5.90	0.86	0.01	0.01	8.50	1.46	0.13	0.06
5.95	0.87	0.01	0.01	8.55	1.48	0.14	0.06
6.00	0.87	0.01	0.01	8.60	1.49	0.14	0.06
6.05	0.88	0.01	0.01	8.65	1.51	0.15	0.07
6.10	0.89	0.01	0.01	8.70	1.52	0.15	0.07
6.15	0.90	0.01	0.01	8.75	1.54	0.16	0.07
6.20	0.91	0.01	0.01	8.80	1.55	0.16	0.07
6.25	0.92	0.01	0.01	8.85	1.57	0.17	0.07
6.30	0.93	0.01	0.01	8.90	1.58	0.18	0.07
6.35	0.94	0.02	0.01	8.95	1.60	0.18	0.07
6.40	0.95	0.02	0.02	9.00	1.61	0.19	0.08
6.45	0.96	0.02	0.02	9.05	1.63	0.19	0.08
6.50	0.97	0.02	0.02	9.10	1.64	0.20	0.08
6.55	0.98	0.02	0.02	9.15	1.66	0.21	0.08
6.60	0.99	0.02	0.02	9.20	1.68	0.21	0.09
6.65	1.00	0.02	0.02	9.25	1.70	0.22	0.09
6.70	1.01	0.02	0.02	9.30	1.72	0.23	0.09
6.75	1.02	0.03	0.02	9.35	1.73	0.23	0.10
6.80	1.03	0.03	0.02	9.40	1.75	0.24	0.10
6.85	1.04	0.03	0.02	9.45	1.77	0.25	0.10
6.90	1.05	0.03	0.02	9.50	1.79	0.26	0.11
6.95	1.07	0.03	0.02	9.55	1.81	0.27	0.11
7.00	1.08	0.04	0.03	9.60	1.83	0.28	0.11
7.05	1.09	0.04	0.03	9.65	1.85	0.28	0.12
7.10	1.10	0.04	0.03	9.70	1.88	0.29	0.12
7.15	1.11	0.04	0.03	9.75	1.90	0.30	0.12
7.20	1.12	0.04	0.03	9.80	1.92	0.31	0.13
7.25	1.13	0.05	0.03	9.85	1.94	0.32	0.13
7.30	1.15	0.05	0.03	9.90	1.97	0.33	0.14
7.35	1.16	0.05	0.03	9.95	1.99	0.34	0.14
7.40	1.17	0.05	0.03	10.00	2.01	0.36	0.15
7.45	1.18	0.06	0.04	10.05	2.04	0.37	0.15
7.50	1.19	0.06	0.04	10.10	2.06	0.38	0.15
7.55	1.21	0.06	0.04	10.15	2.09	0.39	0.16
7.60	1.22	0.07	0.04	10.20	2.11	0.40	0.16
7.65	1.23	0.07	0.04	10.25	2.14	0.42	0.17
7.70	1.24	0.07	0.04	10.30	2.17	0.43	0.17
7.75	1.26	0.08	0.04	10.35	2.19	0.44	0.18

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	0.46	0.18	13.00	8.39	5.28	0.66
10.45	2.25	0.47	0.19	13.05	8.43	5.32	0.63
10.50	2.28	0.49	0.19	13.10	8.48	5.36	0.59
10.55	2.31	0.50	0.20	13.15	8.52	5.39	0.56
10.60	2.34	0.52	0.21	13.20	8.56	5.43	0.53
10.65	2.37	0.54	0.22	13.25	8.60	5.46	0.51
10.70	2.41	0.56	0.23	13.30	8.63	5.50	0.49
10.75	2.44	0.58	0.25	13.35	8.67	5.53	0.47
10.80	2.48	0.60	0.26	13.40	8.70	5.56	0.45
10.85	2.52	0.62	0.28	13.45	8.73	5.59	0.43
10.90	2.56	0.64	0.29	13.50	8.76	5.61	0.41
10.95	2.61	0.67	0.31	13.55	8.79	5.64	0.40
11.00	2.65	0.69	0.33	13.60	8.82	5.67	0.38
11.05	2.70	0.72	0.34	13.65	8.85	5.69	0.36
11.10	2.75	0.75	0.37	13.70	8.87	5.71	0.35
11.15	2.80	0.79	0.39	13.75	8.90	5.74	0.34
11.20	2.86	0.82	0.42	13.80	8.93	5.76	0.34
11.25	2.92	0.86	0.45	13.85	8.95	5.79	0.33
11.30	2.98	0.90	0.48	13.90	8.98	5.81	0.32
11.35	3.05	0.94	0.51	13.95	9.00	5.83	0.32
11.40	3.12	0.98	0.55	14.00	9.03	5.85	0.31
11.45	3.19	1.03	0.58	14.05	9.05	5.88	0.31
11.50	3.26	1.08	0.61	14.10	9.07	5.90	0.30
11.55	3.37	1.15	0.66	14.15	9.10	5.92	0.30
11.60	3.49	1.23	0.80	14.20	9.12	5.94	0.29
11.65	3.60	1.31	0.95	14.25	9.14	5.96	0.29
11.70	3.72	1.39	1.04	14.30	9.16	5.98	0.28
11.75	3.88	1.51	1.13	14.35	9.19	6.00	0.28
11.80	4.04	1.63	1.31	14.40	9.21	6.02	0.27
11.85	4.27	1.79	1.53	14.45	9.23	6.04	0.27
11.90	4.49	1.96	1.85	14.50	9.25	6.06	0.26
11.95	4.88	2.27	2.26	14.55	9.27	6.07	0.26
12.00	5.26	2.57	3.00	14.60	9.29	6.09	0.25
12.05	5.91	3.11	3.93	14.65	9.31	6.11	0.25
12.10	6.55	3.65	5.30	14.70	9.32	6.13	0.24
12.15	6.77	3.85	**6.19**	14.75	9.34	6.14	0.24
12.20	7.00	4.04	5.13	14.80	9.36	6.16	0.23
12.25	7.16	4.18	3.66	14.85	9.38	6.17	0.23
12.30	7.32	4.32	2.77	14.90	9.40	6.19	0.22
12.35	7.44	4.43	2.24	14.95	9.41	6.21	0.22
12.40	7.55	4.53	1.86	15.00	9.43	6.22	0.21
12.45	7.67	4.63	1.60	15.05	9.44	6.23	0.21
12.50	7.78	4.73	1.46	15.10	9.46	6.25	0.20
12.55	7.85	4.79	1.36	15.15	9.47	6.26	0.20
12.60	7.92	4.86	1.18	15.20	9.49	6.28	0.20
12.65	7.99	4.92	1.00	15.25	9.50	6.29	0.19
12.70	8.06	4.98	0.91	15.30	9.52	6.30	0.19
12.75	8.12	5.03	0.85	15.35	9.53	6.32	0.19
12.80	8.18	5.09	0.81	15.40	9.55	6.33	0.19
12.85	8.24	5.14	0.77	15.45	9.56	6.34	0.19
12.90	8.29	5.19	0.74	15.50	9.58	6.36	0.19
12.95	8.34	5.23	0.70	15.55	9.59	6.37	0.18

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	6.38	0.18	18.20	10.20	6.93	0.11
15.65	9.62	6.40	0.18	18.25	10.21	6.94	0.11
15.70	9.64	6.41	0.18	18.30	10.22	6.95	0.11
15.75	9.65	6.42	0.18	18.35	10.23	6.96	0.11
15.80	9.66	6.44	0.18	18.40	10.24	6.97	0.11
15.85	9.68	6.45	0.18	18.45	10.24	6.97	0.11
15.90	9.69	6.46	0.18	18.50	10.25	6.98	0.11
15.95	9.70	6.47	0.17	18.55	10.26	6.99	0.11
16.00	9.72	6.49	0.17	18.60	10.27	7.00	0.11
16.05	9.73	6.50	0.17	18.65	10.28	7.01	0.11
16.10	9.74	6.51	0.17	18.70	10.29	7.01	0.11
16.15	9.76	6.52	0.17	18.75	10.30	7.02	0.11
16.20	9.77	6.54	0.17	18.80	10.30	7.03	0.11
16.25	9.78	6.55	0.17	18.85	10.31	7.04	0.11
16.30	9.80	6.56	0.16	18.90	10.32	7.04	0.11
16.35	9.81	6.57	0.16	18.95	10.33	7.05	0.11
16.40	9.82	6.58	0.16	19.00	10.34	7.06	0.11
16.45	9.83	6.59	0.16	19.05	10.35	7.07	0.11
16.50	9.85	6.60	0.16	19.10	10.35	7.08	0.11
16.55	9.86	6.62	0.16	19.15	10.36	7.08	0.11
16.60	9.87	6.63	0.16	19.20	10.37	7.09	0.11
16.65	9.88	6.64	0.16	19.25	10.38	7.10	0.11
16.70	9.89	6.65	0.15	19.30	10.39	7.11	0.11
16.75	9.91	6.66	0.15	19.35	10.40	7.11	0.11
16.80	9.92	6.67	0.15	19.40	10.40	7.12	0.10
16.85	9.93	6.68	0.15	19.45	10.41	7.13	0.10
16.90	9.94	6.69	0.15	19.50	10.42	7.14	0.10
16.95	9.95	6.70	0.15	19.55	10.43	7.14	0.10
17.00	9.96	6.71	0.15	19.60	10.44	7.15	0.10
17.05	9.97	6.72	0.14	19.65	10.44	7.16	0.10
17.10	9.99	6.73	0.14	19.70	10.45	7.17	0.10
17.15	10.00	6.74	0.14	19.75	10.46	7.17	0.10
17.20	10.01	6.75	0.14	19.80	10.47	7.18	0.10
17.25	10.02	6.76	0.14	19.85	10.48	7.19	0.10
17.30	10.03	6.77	0.14	19.90	10.48	7.20	0.10
17.35	10.04	6.78	0.14	19.95	10.49	7.20	0.10
17.40	10.05	6.79	0.13	20.00	10.50	7.21	0.10
17.45	10.06	6.80	0.13	20.05	10.51	7.22	0.10
17.50	10.07	6.81	0.13	20.10	10.52	7.23	0.10
17.55	10.08	6.82	0.13	20.15	10.52	7.23	0.10
17.60	10.09	6.83	0.13	20.20	10.53	7.24	0.10
17.65	10.10	6.84	0.13	20.25	10.54	7.25	0.10
17.70	10.11	6.85	0.13	20.30	10.55	7.25	0.10
17.75	10.12	6.86	0.12	20.35	10.55	7.26	0.10
17.80	10.13	6.87	0.12	20.40	10.56	7.27	0.10
17.85	10.14	6.87	0.12	20.45	10.57	7.28	0.10
17.90	10.15	6.88	0.12	20.50	10.58	7.28	0.10
17.95	10.16	6.89	0.12	20.55	10.58	7.29	0.10
18.00	10.17	6.90	0.12	20.60	10.59	7.30	0.10
18.05	10.17	6.91	0.12	20.65	10.60	7.30	0.10
18.10	10.18	6.92	0.12	20.70	10.61	7.31	0.10
18.15	10.19	6.92	0.11	20.75	10.61	7.32	0.10

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	7.32	0.10	23.40	10.97	7.65	0.08
20.85	10.63	7.33	0.09	23.45	10.97	7.65	0.08
20.90	10.64	7.34	0.09	23.50	10.98	7.66	0.08
20.95	10.64	7.34	0.09	23.55	10.99	7.66	0.08
21.00	10.65	7.35	0.09	23.60	10.99	7.67	0.08
21.05	10.66	7.36	0.09	23.65	11.00	7.67	0.08
21.10	10.66	7.36	0.09	23.70	11.00	7.68	0.08
21.15	10.67	7.37	0.09	23.75	11.01	7.69	0.08
21.20	10.68	7.38	0.09	23.80	11.01	7.69	0.07
21.25	10.69	7.38	0.09	23.85	11.02	7.70	0.07
21.30	10.69	7.39	0.09	23.90	11.03	7.70	0.07
21.35	10.70	7.40	0.09	23.95	11.03	7.71	0.07
21.40	10.71	7.40	0.09	24.00	**11.04**	**7.72**	0.08
21.45	10.71	7.41	0.09	24.05	11.04	7.72	0.08
21.50	10.72	7.42	0.09	24.10	11.04	7.72	0.05
21.55	10.73	7.42	0.09	24.15	11.04	7.72	0.02
21.60	10.74	7.43	0.09	24.20	11.04	7.72	0.01
21.65	10.74	7.44	0.09	24.25	11.04	7.72	0.00
21.70	10.75	7.44	0.09	24.30	11.04	7.72	0.00
21.75	10.76	7.45	0.09	24.35	11.04	7.72	0.00
21.80	10.76	7.46	0.09	24.40	11.04	7.72	0.00
21.85	10.77	7.46	0.09	24.45	11.04	7.72	0.00
21.90	10.78	7.47	0.09	24.50	11.04	7.72	0.00
21.95	10.78	7.48	0.09	24.55	11.04	7.72	0.00
22.00	10.79	7.48	0.09	24.60	11.04	7.72	0.00
22.05	10.80	7.49	0.09	24.65	11.04	7.72	0.00
22.10	10.80	7.49	0.09	24.70	11.04	7.72	0.00
22.15	10.81	7.50	0.09	24.75	11.04	7.72	0.00
22.20	10.82	7.51	0.09	24.80	11.04	7.72	0.00
22.25	10.82	7.51	0.09	24.85	11.04	7.72	0.00
22.30	10.83	7.52	0.09	24.90	11.04	7.72	0.00
22.35	10.84	7.53	0.08	24.95	11.04	7.72	0.00
22.40	10.84	7.53	0.08	25.00	11.04	7.72	0.00
22.45	10.85	7.54	0.08	25.05	11.04	7.72	0.00
22.50	10.86	7.54	0.08	25.10	11.04	7.72	0.00
22.55	10.86	7.55	0.08	25.15	11.04	7.72	0.00
22.60	10.87	7.56	0.08	25.20	11.04	7.72	0.00
22.65	10.88	7.56	0.08	25.25	11.04	7.72	0.00
22.70	10.88	7.57	0.08	25.30	11.04	7.72	0.00
22.75	10.89	7.57	0.08	25.35	11.04	7.72	0.00
22.80	10.89	7.58	0.08	25.40	11.04	7.72	0.00
22.85	10.90	7.58	0.08	25.45	11.04	7.72	0.00
22.90	10.91	7.59	0.08	25.50	11.04	7.72	0.00
22.95	10.91	7.60	0.08	25.55	11.04	7.72	0.00
23.00	10.92	7.60	0.08	25.60	11.04	7.72	0.00
23.05	10.93	7.61	0.08	25.65	11.04	7.72	0.00
23.10	10.93	7.61	0.08	25.70	11.04	7.72	0.00
23.15	10.94	7.62	0.08	25.75	11.04	7.72	0.00
23.20	10.94	7.63	0.08	25.80	11.04	7.72	0.00
23.25	10.95	7.63	0.08	25.85	11.04	7.72	0.00
23.30	10.96	7.64	0.08	25.90	11.04	7.72	0.00
23.35	10.96	7.64	0.08	25.95	11.04	7.72	0.00

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	7.72	0.00	28.60	11.04	7.72	0.00
26.05	11.04	7.72	0.00	28.65	11.04	7.72	0.00
26.10	11.04	7.72	0.00	28.70	11.04	7.72	0.00
26.15	11.04	7.72	0.00	28.75	11.04	7.72	0.00
26.20	11.04	7.72	0.00	28.80	11.04	7.72	0.00
26.25	11.04	7.72	0.00	28.85	11.04	7.72	0.00
26.30	11.04	7.72	0.00	28.90	11.04	7.72	0.00
26.35	11.04	7.72	0.00	28.95	11.04	7.72	0.00
26.40	11.04	7.72	0.00	29.00	11.04	7.72	0.00
26.45	11.04	7.72	0.00	29.05	11.04	7.72	0.00
26.50	11.04	7.72	0.00	29.10	11.04	7.72	0.00
26.55	11.04	7.72	0.00	29.15	11.04	7.72	0.00
26.60	11.04	7.72	0.00	29.20	11.04	7.72	0.00
26.65	11.04	7.72	0.00	29.25	11.04	7.72	0.00
26.70	11.04	7.72	0.00	29.30	11.04	7.72	0.00
26.75	11.04	7.72	0.00	29.35	11.04	7.72	0.00
26.80	11.04	7.72	0.00	29.40	11.04	7.72	0.00
26.85	11.04	7.72	0.00	29.45	11.04	7.72	0.00
26.90	11.04	7.72	0.00	29.50	11.04	7.72	0.00
26.95	11.04	7.72	0.00	29.55	11.04	7.72	0.00
27.00	11.04	7.72	0.00	29.60	11.04	7.72	0.00
27.05	11.04	7.72	0.00	29.65	11.04	7.72	0.00
27.10	11.04	7.72	0.00	29.70	11.04	7.72	0.00
27.15	11.04	7.72	0.00	29.75	11.04	7.72	0.00
27.20	11.04	7.72	0.00	29.80	11.04	7.72	0.00
27.25	11.04	7.72	0.00	29.85	11.04	7.72	0.00
27.30	11.04	7.72	0.00	29.90	11.04	7.72	0.00
27.35	11.04	7.72	0.00	29.95	11.04	7.72	0.00
27.40	11.04	7.72	0.00	30.00	11.04	7.72	0.00
27.45	11.04	7.72	0.00	30.05	11.04	7.72	0.00
27.50	11.04	7.72	0.00	30.10	11.04	7.72	0.00
27.55	11.04	7.72	0.00	30.15	11.04	7.72	0.00
27.60	11.04	7.72	0.00	30.20	11.04	7.72	0.00
27.65	11.04	7.72	0.00	30.25	11.04	7.72	0.00
27.70	11.04	7.72	0.00	30.30	11.04	7.72	0.00
27.75	11.04	7.72	0.00	30.35	11.04	7.72	0.00
27.80	11.04	7.72	0.00	30.40	11.04	7.72	0.00
27.85	11.04	7.72	0.00	30.45	11.04	7.72	0.00
27.90	11.04	7.72	0.00	30.50	11.04	7.72	0.00
27.95	11.04	7.72	0.00	30.55	11.04	7.72	0.00
28.00	11.04	7.72	0.00	30.60	11.04	7.72	0.00
28.05	11.04	7.72	0.00	30.65	11.04	7.72	0.00
28.10	11.04	7.72	0.00	30.70	11.04	7.72	0.00
28.15	11.04	7.72	0.00	30.75	11.04	7.72	0.00
28.20	11.04	7.72	0.00	30.80	11.04	7.72	0.00
28.25	11.04	7.72	0.00	30.85	11.04	7.72	0.00
28.30	11.04	7.72	0.00	30.90	11.04	7.72	0.00
28.35	11.04	7.72	0.00	30.95	11.04	7.72	0.00
28.40	11.04	7.72	0.00	31.00	11.04	7.72	0.00
28.45	11.04	7.72	0.00	31.05	11.04	7.72	0.00
28.50	11.04	7.72	0.00	31.10	11.04	7.72	0.00
28.55	11.04	7.72	0.00	31.15	11.04	7.72	0.00

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	7.72	0.00	33.80	11.04	7.72	0.00
31.25	11.04	7.72	0.00	33.85	11.04	7.72	0.00
31.30	11.04	7.72	0.00	33.90	11.04	7.72	0.00
31.35	11.04	7.72	0.00	33.95	11.04	7.72	0.00
31.40	11.04	7.72	0.00	34.00	11.04	7.72	0.00
31.45	11.04	7.72	0.00	34.05	11.04	7.72	0.00
31.50	11.04	7.72	0.00	34.10	11.04	7.72	0.00
31.55	11.04	7.72	0.00	34.15	11.04	7.72	0.00
31.60	11.04	7.72	0.00	34.20	11.04	7.72	0.00
31.65	11.04	7.72	0.00	34.25	11.04	7.72	0.00
31.70	11.04	7.72	0.00	34.30	11.04	7.72	0.00
31.75	11.04	7.72	0.00	34.35	11.04	7.72	0.00
31.80	11.04	7.72	0.00	34.40	11.04	7.72	0.00
31.85	11.04	7.72	0.00	34.45	11.04	7.72	0.00
31.90	11.04	7.72	0.00	34.50	11.04	7.72	0.00
31.95	11.04	7.72	0.00	34.55	11.04	7.72	0.00
32.00	11.04	7.72	0.00	34.60	11.04	7.72	0.00
32.05	11.04	7.72	0.00	34.65	11.04	7.72	0.00
32.10	11.04	7.72	0.00	34.70	11.04	7.72	0.00
32.15	11.04	7.72	0.00	34.75	11.04	7.72	0.00
32.20	11.04	7.72	0.00	34.80	11.04	7.72	0.00
32.25	11.04	7.72	0.00	34.85	11.04	7.72	0.00
32.30	11.04	7.72	0.00	34.90	11.04	7.72	0.00
32.35	11.04	7.72	0.00	34.95	11.04	7.72	0.00
32.40	11.04	7.72	0.00	35.00	11.04	7.72	0.00
32.45	11.04	7.72	0.00	35.05	11.04	7.72	0.00
32.50	11.04	7.72	0.00	35.10	11.04	7.72	0.00
32.55	11.04	7.72	0.00	35.15	11.04	7.72	0.00
32.60	11.04	7.72	0.00	35.20	11.04	7.72	0.00
32.65	11.04	7.72	0.00	35.25	11.04	7.72	0.00
32.70	11.04	7.72	0.00	35.30	11.04	7.72	0.00
32.75	11.04	7.72	0.00	35.35	11.04	7.72	0.00
32.80	11.04	7.72	0.00	35.40	11.04	7.72	0.00
32.85	11.04	7.72	0.00	35.45	11.04	7.72	0.00
32.90	11.04	7.72	0.00	35.50	11.04	7.72	0.00
32.95	11.04	7.72	0.00	35.55	11.04	7.72	0.00
33.00	11.04	7.72	0.00	35.60	11.04	7.72	0.00
33.05	11.04	7.72	0.00	35.65	11.04	7.72	0.00
33.10	11.04	7.72	0.00	35.70	11.04	7.72	0.00
33.15	11.04	7.72	0.00	35.75	11.04	7.72	0.00
33.20	11.04	7.72	0.00	35.80	11.04	7.72	0.00
33.25	11.04	7.72	0.00	35.85	11.04	7.72	0.00
33.30	11.04	7.72	0.00	35.90	11.04	7.72	0.00
33.35	11.04	7.72	0.00	35.95	11.04	7.72	0.00
33.40	11.04	7.72	0.00	36.00	11.04	7.72	0.00
33.45	11.04	7.72	0.00	36.05	11.04	7.72	0.00
33.50	11.04	7.72	0.00	36.10	11.04	7.72	0.00
33.55	11.04	7.72	0.00	36.15	11.04	7.72	0.00
33.60	11.04	7.72	0.00	36.20	11.04	7.72	0.00
33.65	11.04	7.72	0.00	36.25	11.04	7.72	0.00
33.70	11.04	7.72	0.00	36.30	11.04	7.72	0.00
33.75	11.04	7.72	0.00	36.35	11.04	7.72	0.00

Hydrograph for Subcatchment 51P: PDA-51 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	7.72	0.00
36.45	11.04	7.72	0.00
36.50	11.04	7.72	0.00
36.55	11.04	7.72	0.00
36.60	11.04	7.72	0.00
36.65	11.04	7.72	0.00
36.70	11.04	7.72	0.00
36.75	11.04	7.72	0.00
36.80	11.04	7.72	0.00
36.85	11.04	7.72	0.00
36.90	11.04	7.72	0.00
36.95	11.04	7.72	0.00
37.00	11.04	7.72	0.00
37.05	11.04	7.72	0.00
37.10	11.04	7.72	0.00
37.15	11.04	7.72	0.00
37.20	11.04	7.72	0.00
37.25	11.04	7.72	0.00
37.30	11.04	7.72	0.00
37.35	11.04	7.72	0.00
37.40	11.04	7.72	0.00
37.45	11.04	7.72	0.00
37.50	11.04	7.72	0.00
37.55	11.04	7.72	0.00
37.60	11.04	7.72	0.00
37.65	11.04	7.72	0.00
37.70	11.04	7.72	0.00
37.75	11.04	7.72	0.00
37.80	11.04	7.72	0.00
37.85	11.04	7.72	0.00
37.90	11.04	7.72	0.00
37.95	11.04	7.72	0.00
38.00	11.04	7.72	0.00
38.05	11.04	7.72	0.00
38.10	11.04	7.72	0.00
38.15	11.04	7.72	0.00
38.20	11.04	7.72	0.00
38.25	11.04	7.72	0.00
38.30	11.04	7.72	0.00
38.35	11.04	7.72	0.00
38.40	11.04	7.72	0.00
38.45	11.04	7.72	0.00
38.50	11.04	7.72	0.00
38.55	11.04	7.72	0.00
38.60	11.04	7.72	0.00
38.65	11.04	7.72	0.00
38.70	11.04	7.72	0.00
38.75	11.04	7.72	0.00
38.80	11.04	7.72	0.00
38.85	11.04	7.72	0.00
38.90	11.04	7.72	0.00
38.95	11.04	7.72	0.00
39.00	11.04	7.72	0.00
39.05	11.04	7.72	0.00
39.10	11.04	7.72	0.00
39.15	11.04	7.72	0.00
39.20	11.04	7.72	0.00
39.25	11.04	7.72	0.00
39.30	11.04	7.72	0.00
39.35	11.04	7.72	0.00
39.40	11.04	7.72	0.00
39.45	11.04	7.72	0.00
39.50	11.04	7.72	0.00
39.55	11.04	7.72	0.00
39.60	11.04	7.72	0.00
39.65	11.04	7.72	0.00
39.70	11.04	7.72	0.00
39.75	11.04	7.72	0.00
39.80	11.04	7.72	0.00
39.85	11.04	7.72	0.00
39.90	11.04	7.72	0.00
39.95	11.04	7.72	0.00
40.00	11.04	7.72	0.00

Summary for Subcatchment 52l: PDA-52 (impervious)

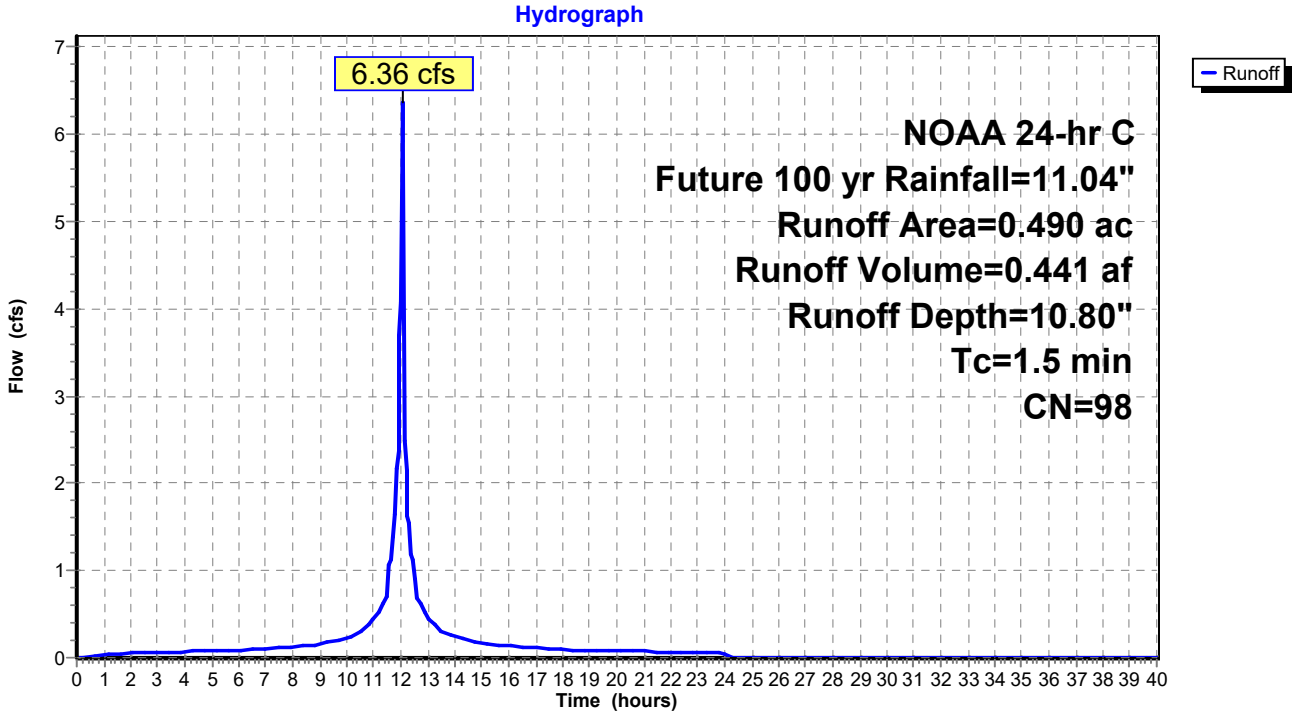
Runoff = 6.36 cfs @ 12.07 hrs, Volume= 0.441 af, Depth=10.80"
Routed to Pond B-52 : Basin #52

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

	Area (ac)	CN	Description
*	0.118	98	Pavement, HSG C
*	0.339	98	Roof, HSG C
*	0.033	98	Concrete, HSG C
	0.490	98	Weighted Average
	0.490		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.5					**Direct Entry,**

Subcatchment 52l: PDA-52 (impervious)



Hydrograph for Subcatchment 52I: PDA-52 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.17	0.06
0.05	0.01	0.00	0.00	2.65	0.34	0.18	0.06
0.10	0.01	0.00	0.00	2.70	0.35	0.18	0.06
0.15	0.02	0.00	0.00	2.75	0.35	0.19	0.06
0.20	0.03	0.00	0.00	2.80	0.36	0.20	0.06
0.25	0.03	0.00	0.00	2.85	0.37	0.20	0.06
0.30	0.04	0.00	0.00	2.90	0.38	0.21	0.06
0.35	0.04	0.00	0.00	2.95	0.38	0.21	0.06
0.40	0.05	0.00	0.00	3.00	0.39	0.22	0.06
0.45	0.05	0.00	0.01	3.05	0.40	0.23	0.06
0.50	0.06	0.00	0.01	3.10	0.40	0.23	0.06
0.55	0.07	0.00	0.01	3.15	0.41	0.24	0.06
0.60	0.07	0.00	0.01	3.20	0.42	0.25	0.06
0.65	0.08	0.01	0.02	3.25	0.43	0.25	0.06
0.70	0.08	0.01	0.02	3.30	0.43	0.26	0.06
0.75	0.09	0.01	0.02	3.35	0.44	0.27	0.07
0.80	0.10	0.01	0.02	3.40	0.45	0.27	0.07
0.85	0.10	0.01	0.02	3.45	0.46	0.28	0.07
0.90	0.11	0.02	0.03	3.50	0.46	0.29	0.07
0.95	0.11	0.02	0.03	3.55	0.47	0.29	0.07
1.00	0.12	0.02	0.03	3.60	0.48	0.30	0.07
1.05	0.13	0.03	0.03	3.65	0.49	0.31	0.07
1.10	0.13	0.03	0.03	3.70	0.49	0.31	0.07
1.15	0.14	0.03	0.03	3.75	0.50	0.32	0.07
1.20	0.15	0.04	0.03	3.80	0.51	0.33	0.07
1.25	0.15	0.04	0.04	3.85	0.52	0.33	0.07
1.30	0.16	0.04	0.04	3.90	0.52	0.34	0.07
1.35	0.16	0.05	0.04	3.95	0.53	0.35	0.07
1.40	0.17	0.05	0.04	4.00	0.54	0.35	0.07
1.45	0.18	0.05	0.04	4.05	0.55	0.36	0.07
1.50	0.18	0.06	0.04	4.10	0.56	0.37	0.07
1.55	0.19	0.06	0.04	4.15	0.56	0.38	0.07
1.60	0.20	0.07	0.04	4.20	0.57	0.38	0.07
1.65	0.20	0.07	0.04	4.25	0.58	0.39	0.07
1.70	0.21	0.08	0.04	4.30	0.59	0.40	0.07
1.75	0.22	0.08	0.05	4.35	0.60	0.41	0.07
1.80	0.22	0.09	0.05	4.40	0.60	0.41	0.07
1.85	0.23	0.09	0.05	4.45	0.61	0.42	0.07
1.90	0.24	0.10	0.05	4.50	0.62	0.43	0.07
1.95	0.24	0.10	0.05	4.55	0.63	0.44	0.07
2.00	0.25	0.11	0.05	4.60	0.64	0.44	0.07
2.05	0.26	0.11	0.05	4.65	0.64	0.45	0.08
2.10	0.26	0.12	0.05	4.70	0.65	0.46	0.08
2.15	0.27	0.12	0.05	4.75	0.66	0.47	0.08
2.20	0.28	0.13	0.05	4.80	0.67	0.47	0.08
2.25	0.28	0.13	0.05	4.85	0.68	0.48	0.08
2.30	0.29	0.14	0.05	4.90	0.69	0.49	0.08
2.35	0.30	0.14	0.05	4.95	0.69	0.50	0.08
2.40	0.30	0.15	0.06	5.00	0.70	0.51	0.08
2.45	0.31	0.15	0.06	5.05	0.71	0.51	0.08
2.50	0.32	0.16	0.06	5.10	0.72	0.52	0.08
2.55	0.33	0.17	0.06	5.15	0.73	0.53	0.08

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.54	0.08	7.80	1.27	1.05	0.12
5.25	0.74	0.55	0.08	7.85	1.28	1.07	0.13
5.30	0.75	0.55	0.08	7.90	1.30	1.08	0.13
5.35	0.76	0.56	0.08	7.95	1.31	1.09	0.13
5.40	0.77	0.57	0.08	8.00	1.32	1.11	0.13
5.45	0.78	0.58	0.08	8.05	1.34	1.12	0.13
5.50	0.79	0.59	0.08	8.10	1.35	1.13	0.13
5.55	0.80	0.59	0.08	8.15	1.36	1.15	0.13
5.60	0.80	0.60	0.08	8.20	1.38	1.16	0.13
5.65	0.81	0.61	0.08	8.25	1.39	1.17	0.13
5.70	0.82	0.62	0.08	8.30	1.40	1.19	0.14
5.75	0.83	0.63	0.08	8.35	1.42	1.20	0.14
5.80	0.84	0.64	0.08	8.40	1.43	1.21	0.14
5.85	0.85	0.64	0.08	8.45	1.45	1.23	0.14
5.90	0.86	0.65	0.08	8.50	1.46	1.24	0.14
5.95	0.87	0.66	0.08	8.55	1.48	1.26	0.14
6.00	0.87	0.67	0.08	8.60	1.49	1.27	0.14
6.05	0.88	0.68	0.09	8.65	1.51	1.29	0.14
6.10	0.89	0.69	0.09	8.70	1.52	1.30	0.14
6.15	0.90	0.70	0.09	8.75	1.54	1.32	0.15
6.20	0.91	0.71	0.09	8.80	1.55	1.33	0.15
6.25	0.92	0.71	0.09	8.85	1.57	1.35	0.15
6.30	0.93	0.72	0.09	8.90	1.58	1.36	0.15
6.35	0.94	0.73	0.09	8.95	1.60	1.38	0.15
6.40	0.95	0.74	0.09	9.00	1.61	1.39	0.15
6.45	0.96	0.75	0.10	9.05	1.63	1.41	0.16
6.50	0.97	0.76	0.10	9.10	1.64	1.42	0.16
6.55	0.98	0.77	0.10	9.15	1.66	1.44	0.17
6.60	0.99	0.78	0.10	9.20	1.68	1.46	0.17
6.65	1.00	0.79	0.10	9.25	1.70	1.47	0.18
6.70	1.01	0.80	0.10	9.30	1.72	1.49	0.18
6.75	1.02	0.81	0.10	9.35	1.73	1.51	0.18
6.80	1.03	0.82	0.10	9.40	1.75	1.53	0.18
6.85	1.04	0.83	0.10	9.45	1.77	1.55	0.19
6.90	1.05	0.84	0.10	9.50	1.79	1.57	0.19
6.95	1.07	0.85	0.11	9.55	1.81	1.59	0.20
7.00	1.08	0.87	0.11	9.60	1.83	1.61	0.20
7.05	1.09	0.88	0.11	9.65	1.85	1.63	0.21
7.10	1.10	0.89	0.11	9.70	1.88	1.65	0.21
7.15	1.11	0.90	0.11	9.75	1.90	1.67	0.22
7.20	1.12	0.91	0.11	9.80	1.92	1.69	0.22
7.25	1.13	0.92	0.11	9.85	1.94	1.72	0.22
7.30	1.15	0.93	0.11	9.90	1.97	1.74	0.23
7.35	1.16	0.94	0.12	9.95	1.99	1.76	0.23
7.40	1.17	0.96	0.12	10.00	2.01	1.79	0.23
7.45	1.18	0.97	0.12	10.05	2.04	1.81	0.24
7.50	1.19	0.98	0.12	10.10	2.06	1.84	0.24
7.55	1.21	0.99	0.12	10.15	2.09	1.86	0.25
7.60	1.22	1.00	0.12	10.20	2.11	1.89	0.25
7.65	1.23	1.02	0.12	10.25	2.14	1.91	0.26
7.70	1.24	1.03	0.12	10.30	2.17	1.94	0.26
7.75	1.26	1.04	0.12	10.35	2.19	1.97	0.26

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	1.99	0.27	13.00	8.39	8.15	0.48
10.45	2.25	2.02	0.27	13.05	8.43	8.19	0.44
10.50	2.28	2.05	0.28	13.10	8.48	8.24	0.43
10.55	2.31	2.08	0.30	13.15	8.52	8.28	0.40
10.60	2.34	2.11	0.31	13.20	8.56	8.32	0.40
10.65	2.37	2.14	0.33	13.25	8.60	8.36	0.37
10.70	2.41	2.18	0.34	13.30	8.63	8.39	0.37
10.75	2.44	2.21	0.37	13.35	8.67	8.43	0.34
10.80	2.48	2.25	0.37	13.40	8.70	8.46	0.33
10.85	2.52	2.29	0.40	13.45	8.73	8.49	0.31
10.90	2.56	2.33	0.40	13.50	8.76	8.52	0.30
10.95	2.61	2.38	0.43	13.55	8.79	8.55	0.28
11.00	2.65	2.42	0.44	13.60	8.82	8.58	0.27
11.05	2.70	2.47	0.48	13.65	8.85	8.61	0.27
11.10	2.75	2.52	0.49	13.70	8.87	8.63	0.27
11.15	2.80	2.57	0.54	13.75	8.90	8.66	0.26
11.20	2.86	2.63	0.55	13.80	8.93	8.69	0.26
11.25	2.92	2.69	0.60	13.85	8.95	8.71	0.25
11.30	2.98	2.75	0.61	13.90	8.98	8.74	0.25
11.35	3.05	2.82	0.66	13.95	9.00	8.76	0.24
11.40	3.12	2.89	0.67	14.00	9.03	8.79	0.24
11.45	3.19	2.96	0.71	14.05	9.05	8.81	0.24
11.50	3.26	3.03	0.75	14.10	9.07	8.83	0.23
11.55	3.37	3.14	1.07	14.15	9.10	8.86	0.23
11.60	3.49	3.25	1.11	14.20	9.12	8.88	0.23
11.65	3.60	3.37	1.15	14.25	9.14	8.90	0.22
11.70	3.72	3.49	1.20	14.30	9.16	8.92	0.22
11.75	3.88	3.65	1.56	14.35	9.19	8.95	0.21
11.80	4.04	3.81	1.65	14.40	9.21	8.97	0.21
11.85	4.27	4.03	2.16	14.45	9.23	8.99	0.20
11.90	4.49	4.25	2.37	14.50	9.25	9.01	0.20
11.95	4.88	4.64	3.70	14.55	9.27	9.03	0.19
12.00	5.26	5.02	4.08	14.60	9.29	9.05	0.19
12.05	5.91	5.67	**6.18**	14.65	9.31	9.07	0.19
12.10	6.55	6.31	5.92	14.70	9.32	9.08	0.18
12.15	6.77	6.53	2.49	14.75	9.34	9.10	0.18
12.20	7.00	6.76	2.14	14.80	9.36	9.12	0.18
12.25	7.16	6.92	1.63	14.85	9.38	9.14	0.17
12.30	7.32	7.08	1.55	14.90	9.40	9.15	0.17
12.35	7.44	7.20	1.19	14.95	9.41	9.17	0.16
12.40	7.55	7.31	1.15	15.00	9.43	9.19	0.16
12.45	7.67	7.43	1.11	15.05	9.44	9.20	0.15
12.50	7.78	7.54	1.06	15.10	9.46	9.22	0.15
12.55	7.85	7.61	0.74	15.15	9.47	9.23	0.15
12.60	7.92	7.68	0.71	15.20	9.49	9.25	0.15
12.65	7.99	7.75	0.67	15.25	9.50	9.26	0.15
12.70	8.06	7.82	0.66	15.30	9.52	9.28	0.15
12.75	8.12	7.88	0.61	15.35	9.53	9.29	0.15
12.80	8.18	7.94	0.60	15.40	9.55	9.31	0.15
12.85	8.24	8.00	0.55	15.45	9.56	9.32	0.14
12.90	8.29	8.05	0.54	15.50	9.58	9.34	0.14
12.95	8.34	8.10	0.49	15.55	9.59	9.35	0.14

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	9.37	0.14	18.20	10.20	9.96	0.09
15.65	9.62	9.38	0.14	18.25	10.21	9.97	0.09
15.70	9.64	9.39	0.14	18.30	10.22	9.98	0.09
15.75	9.65	9.41	0.14	18.35	10.23	9.99	0.09
15.80	9.66	9.42	0.14	18.40	10.24	9.99	0.09
15.85	9.68	9.44	0.14	18.45	10.24	10.00	0.09
15.90	9.69	9.45	0.14	18.50	10.25	10.01	0.09
15.95	9.70	9.46	0.13	18.55	10.26	10.02	0.09
16.00	9.72	9.48	0.13	18.60	10.27	10.03	0.09
16.05	9.73	9.49	0.13	18.65	10.28	10.04	0.08
16.10	9.74	9.50	0.13	18.70	10.29	10.05	0.08
16.15	9.76	9.52	0.13	18.75	10.30	10.05	0.08
16.20	9.77	9.53	0.13	18.80	10.30	10.06	0.08
16.25	9.78	9.54	0.13	18.85	10.31	10.07	0.08
16.30	9.80	9.55	0.13	18.90	10.32	10.08	0.08
16.35	9.81	9.57	0.12	18.95	10.33	10.09	0.08
16.40	9.82	9.58	0.12	19.00	10.34	10.10	0.08
16.45	9.83	9.59	0.12	19.05	10.35	10.11	0.08
16.50	9.85	9.60	0.12	19.10	10.35	10.11	0.08
16.55	9.86	9.62	0.12	19.15	10.36	10.12	0.08
16.60	9.87	9.63	0.12	19.20	10.37	10.13	0.08
16.65	9.88	9.64	0.12	19.25	10.38	10.14	0.08
16.70	9.89	9.65	0.12	19.30	10.39	10.15	0.08
16.75	9.91	9.66	0.12	19.35	10.40	10.15	0.08
16.80	9.92	9.68	0.12	19.40	10.40	10.16	0.08
16.85	9.93	9.69	0.11	19.45	10.41	10.17	0.08
16.90	9.94	9.70	0.11	19.50	10.42	10.18	0.08
16.95	9.95	9.71	0.11	19.55	10.43	10.19	0.08
17.00	9.96	9.72	0.11	19.60	10.44	10.20	0.08
17.05	9.97	9.73	0.11	19.65	10.44	10.20	0.08
17.10	9.99	9.74	0.11	19.70	10.45	10.21	0.08
17.15	10.00	9.76	0.11	19.75	10.46	10.22	0.08
17.20	10.01	9.77	0.11	19.80	10.47	10.23	0.08
17.25	10.02	9.78	0.10	19.85	10.48	10.24	0.08
17.30	10.03	9.79	0.10	19.90	10.48	10.24	0.08
17.35	10.04	9.80	0.10	19.95	10.49	10.25	0.08
17.40	10.05	9.81	0.10	20.00	10.50	10.26	0.08
17.45	10.06	9.82	0.10	20.05	10.51	10.27	0.08
17.50	10.07	9.83	0.10	20.10	10.52	10.27	0.08
17.55	10.08	9.84	0.10	20.15	10.52	10.28	0.08
17.60	10.09	9.85	0.10	20.20	10.53	10.29	0.08
17.65	10.10	9.86	0.10	20.25	10.54	10.30	0.08
17.70	10.11	9.87	0.10	20.30	10.55	10.31	0.08
17.75	10.12	9.88	0.09	20.35	10.55	10.31	0.08
17.80	10.13	9.89	0.09	20.40	10.56	10.32	0.08
17.85	10.14	9.90	0.09	20.45	10.57	10.33	0.07
17.90	10.15	9.91	0.09	20.50	10.58	10.34	0.07
17.95	10.16	9.92	0.09	20.55	10.58	10.34	0.07
18.00	10.17	9.92	0.09	20.60	10.59	10.35	0.07
18.05	10.17	9.93	0.09	20.65	10.60	10.36	0.07
18.10	10.18	9.94	0.09	20.70	10.61	10.37	0.07
18.15	10.19	9.95	0.09	20.75	10.61	10.37	0.07

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	10.38	0.07	23.40	10.97	10.73	0.06
20.85	10.63	10.39	0.07	23.45	10.97	10.73	0.06
20.90	10.64	10.39	0.07	23.50	10.98	10.74	0.06
20.95	10.64	10.40	0.07	23.55	10.99	10.74	0.06
21.00	10.65	10.41	0.07	23.60	10.99	10.75	0.06
21.05	10.66	10.42	0.07	23.65	11.00	10.76	0.06
21.10	10.66	10.42	0.07	23.70	11.00	10.76	0.06
21.15	10.67	10.43	0.07	23.75	11.01	10.77	0.06
21.20	10.68	10.44	0.07	23.80	11.01	10.77	0.06
21.25	10.69	10.45	0.07	23.85	11.02	10.78	0.06
21.30	10.69	10.45	0.07	23.90	11.03	10.78	0.06
21.35	10.70	10.46	0.07	23.95	11.03	10.79	0.07
21.40	10.71	10.47	0.07	24.00	**11.04**	**10.80**	0.06
21.45	10.71	10.47	0.07	24.05	11.04	10.80	0.00
21.50	10.72	10.48	0.07	24.10	11.04	10.80	0.00
21.55	10.73	10.49	0.07	24.15	11.04	10.80	0.00
21.60	10.74	10.49	0.07	24.20	11.04	10.80	0.00
21.65	10.74	10.50	0.07	24.25	11.04	10.80	0.00
21.70	10.75	10.51	0.07	24.30	11.04	10.80	0.00
21.75	10.76	10.52	0.07	24.35	11.04	10.80	0.00
21.80	10.76	10.52	0.07	24.40	11.04	10.80	0.00
21.85	10.77	10.53	0.07	24.45	11.04	10.80	0.00
21.90	10.78	10.54	0.07	24.50	11.04	10.80	0.00
21.95	10.78	10.54	0.07	24.55	11.04	10.80	0.00
22.00	10.79	10.55	0.07	24.60	11.04	10.80	0.00
22.05	10.80	10.56	0.07	24.65	11.04	10.80	0.00
22.10	10.80	10.56	0.07	24.70	11.04	10.80	0.00
22.15	10.81	10.57	0.07	24.75	11.04	10.80	0.00
22.20	10.82	10.58	0.07	24.80	11.04	10.80	0.00
22.25	10.82	10.58	0.06	24.85	11.04	10.80	0.00
22.30	10.83	10.59	0.06	24.90	11.04	10.80	0.00
22.35	10.84	10.60	0.06	24.95	11.04	10.80	0.00
22.40	10.84	10.60	0.06	25.00	11.04	10.80	0.00
22.45	10.85	10.61	0.06	25.05	11.04	10.80	0.00
22.50	10.86	10.62	0.06	25.10	11.04	10.80	0.00
22.55	10.86	10.62	0.06	25.15	11.04	10.80	0.00
22.60	10.87	10.63	0.06	25.20	11.04	10.80	0.00
22.65	10.88	10.63	0.06	25.25	11.04	10.80	0.00
22.70	10.88	10.64	0.06	25.30	11.04	10.80	0.00
22.75	10.89	10.65	0.06	25.35	11.04	10.80	0.00
22.80	10.89	10.65	0.06	25.40	11.04	10.80	0.00
22.85	10.90	10.66	0.06	25.45	11.04	10.80	0.00
22.90	10.91	10.67	0.06	25.50	11.04	10.80	0.00
22.95	10.91	10.67	0.06	25.55	11.04	10.80	0.00
23.00	10.92	10.68	0.06	25.60	11.04	10.80	0.00
23.05	10.93	10.68	0.06	25.65	11.04	10.80	0.00
23.10	10.93	10.69	0.06	25.70	11.04	10.80	0.00
23.15	10.94	10.70	0.06	25.75	11.04	10.80	0.00
23.20	10.94	10.70	0.06	25.80	11.04	10.80	0.00
23.25	10.95	10.71	0.06	25.85	11.04	10.80	0.00
23.30	10.96	10.71	0.06	25.90	11.04	10.80	0.00
23.35	10.96	10.72	0.06	25.95	11.04	10.80	0.00

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	10.80	0.00	28.60	11.04	10.80	0.00
26.05	11.04	10.80	0.00	28.65	11.04	10.80	0.00
26.10	11.04	10.80	0.00	28.70	11.04	10.80	0.00
26.15	11.04	10.80	0.00	28.75	11.04	10.80	0.00
26.20	11.04	10.80	0.00	28.80	11.04	10.80	0.00
26.25	11.04	10.80	0.00	28.85	11.04	10.80	0.00
26.30	11.04	10.80	0.00	28.90	11.04	10.80	0.00
26.35	11.04	10.80	0.00	28.95	11.04	10.80	0.00
26.40	11.04	10.80	0.00	29.00	11.04	10.80	0.00
26.45	11.04	10.80	0.00	29.05	11.04	10.80	0.00
26.50	11.04	10.80	0.00	29.10	11.04	10.80	0.00
26.55	11.04	10.80	0.00	29.15	11.04	10.80	0.00
26.60	11.04	10.80	0.00	29.20	11.04	10.80	0.00
26.65	11.04	10.80	0.00	29.25	11.04	10.80	0.00
26.70	11.04	10.80	0.00	29.30	11.04	10.80	0.00
26.75	11.04	10.80	0.00	29.35	11.04	10.80	0.00
26.80	11.04	10.80	0.00	29.40	11.04	10.80	0.00
26.85	11.04	10.80	0.00	29.45	11.04	10.80	0.00
26.90	11.04	10.80	0.00	29.50	11.04	10.80	0.00
26.95	11.04	10.80	0.00	29.55	11.04	10.80	0.00
27.00	11.04	10.80	0.00	29.60	11.04	10.80	0.00
27.05	11.04	10.80	0.00	29.65	11.04	10.80	0.00
27.10	11.04	10.80	0.00	29.70	11.04	10.80	0.00
27.15	11.04	10.80	0.00	29.75	11.04	10.80	0.00
27.20	11.04	10.80	0.00	29.80	11.04	10.80	0.00
27.25	11.04	10.80	0.00	29.85	11.04	10.80	0.00
27.30	11.04	10.80	0.00	29.90	11.04	10.80	0.00
27.35	11.04	10.80	0.00	29.95	11.04	10.80	0.00
27.40	11.04	10.80	0.00	30.00	11.04	10.80	0.00
27.45	11.04	10.80	0.00	30.05	11.04	10.80	0.00
27.50	11.04	10.80	0.00	30.10	11.04	10.80	0.00
27.55	11.04	10.80	0.00	30.15	11.04	10.80	0.00
27.60	11.04	10.80	0.00	30.20	11.04	10.80	0.00
27.65	11.04	10.80	0.00	30.25	11.04	10.80	0.00
27.70	11.04	10.80	0.00	30.30	11.04	10.80	0.00
27.75	11.04	10.80	0.00	30.35	11.04	10.80	0.00
27.80	11.04	10.80	0.00	30.40	11.04	10.80	0.00
27.85	11.04	10.80	0.00	30.45	11.04	10.80	0.00
27.90	11.04	10.80	0.00	30.50	11.04	10.80	0.00
27.95	11.04	10.80	0.00	30.55	11.04	10.80	0.00
28.00	11.04	10.80	0.00	30.60	11.04	10.80	0.00
28.05	11.04	10.80	0.00	30.65	11.04	10.80	0.00
28.10	11.04	10.80	0.00	30.70	11.04	10.80	0.00
28.15	11.04	10.80	0.00	30.75	11.04	10.80	0.00
28.20	11.04	10.80	0.00	30.80	11.04	10.80	0.00
28.25	11.04	10.80	0.00	30.85	11.04	10.80	0.00
28.30	11.04	10.80	0.00	30.90	11.04	10.80	0.00
28.35	11.04	10.80	0.00	30.95	11.04	10.80	0.00
28.40	11.04	10.80	0.00	31.00	11.04	10.80	0.00
28.45	11.04	10.80	0.00	31.05	11.04	10.80	0.00
28.50	11.04	10.80	0.00	31.10	11.04	10.80	0.00
28.55	11.04	10.80	0.00	31.15	11.04	10.80	0.00

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	10.80	0.00	33.80	11.04	10.80	0.00
31.25	11.04	10.80	0.00	33.85	11.04	10.80	0.00
31.30	11.04	10.80	0.00	33.90	11.04	10.80	0.00
31.35	11.04	10.80	0.00	33.95	11.04	10.80	0.00
31.40	11.04	10.80	0.00	34.00	11.04	10.80	0.00
31.45	11.04	10.80	0.00	34.05	11.04	10.80	0.00
31.50	11.04	10.80	0.00	34.10	11.04	10.80	0.00
31.55	11.04	10.80	0.00	34.15	11.04	10.80	0.00
31.60	11.04	10.80	0.00	34.20	11.04	10.80	0.00
31.65	11.04	10.80	0.00	34.25	11.04	10.80	0.00
31.70	11.04	10.80	0.00	34.30	11.04	10.80	0.00
31.75	11.04	10.80	0.00	34.35	11.04	10.80	0.00
31.80	11.04	10.80	0.00	34.40	11.04	10.80	0.00
31.85	11.04	10.80	0.00	34.45	11.04	10.80	0.00
31.90	11.04	10.80	0.00	34.50	11.04	10.80	0.00
31.95	11.04	10.80	0.00	34.55	11.04	10.80	0.00
32.00	11.04	10.80	0.00	34.60	11.04	10.80	0.00
32.05	11.04	10.80	0.00	34.65	11.04	10.80	0.00
32.10	11.04	10.80	0.00	34.70	11.04	10.80	0.00
32.15	11.04	10.80	0.00	34.75	11.04	10.80	0.00
32.20	11.04	10.80	0.00	34.80	11.04	10.80	0.00
32.25	11.04	10.80	0.00	34.85	11.04	10.80	0.00
32.30	11.04	10.80	0.00	34.90	11.04	10.80	0.00
32.35	11.04	10.80	0.00	34.95	11.04	10.80	0.00
32.40	11.04	10.80	0.00	35.00	11.04	10.80	0.00
32.45	11.04	10.80	0.00	35.05	11.04	10.80	0.00
32.50	11.04	10.80	0.00	35.10	11.04	10.80	0.00
32.55	11.04	10.80	0.00	35.15	11.04	10.80	0.00
32.60	11.04	10.80	0.00	35.20	11.04	10.80	0.00
32.65	11.04	10.80	0.00	35.25	11.04	10.80	0.00
32.70	11.04	10.80	0.00	35.30	11.04	10.80	0.00
32.75	11.04	10.80	0.00	35.35	11.04	10.80	0.00
32.80	11.04	10.80	0.00	35.40	11.04	10.80	0.00
32.85	11.04	10.80	0.00	35.45	11.04	10.80	0.00
32.90	11.04	10.80	0.00	35.50	11.04	10.80	0.00
32.95	11.04	10.80	0.00	35.55	11.04	10.80	0.00
33.00	11.04	10.80	0.00	35.60	11.04	10.80	0.00
33.05	11.04	10.80	0.00	35.65	11.04	10.80	0.00
33.10	11.04	10.80	0.00	35.70	11.04	10.80	0.00
33.15	11.04	10.80	0.00	35.75	11.04	10.80	0.00
33.20	11.04	10.80	0.00	35.80	11.04	10.80	0.00
33.25	11.04	10.80	0.00	35.85	11.04	10.80	0.00
33.30	11.04	10.80	0.00	35.90	11.04	10.80	0.00
33.35	11.04	10.80	0.00	35.95	11.04	10.80	0.00
33.40	11.04	10.80	0.00	36.00	11.04	10.80	0.00
33.45	11.04	10.80	0.00	36.05	11.04	10.80	0.00
33.50	11.04	10.80	0.00	36.10	11.04	10.80	0.00
33.55	11.04	10.80	0.00	36.15	11.04	10.80	0.00
33.60	11.04	10.80	0.00	36.20	11.04	10.80	0.00
33.65	11.04	10.80	0.00	36.25	11.04	10.80	0.00
33.70	11.04	10.80	0.00	36.30	11.04	10.80	0.00
33.75	11.04	10.80	0.00	36.35	11.04	10.80	0.00

Hydrograph for Subcatchment 52I: PDA-52 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	10.80	0.00
36.45	11.04	10.80	0.00
36.50	11.04	10.80	0.00
36.55	11.04	10.80	0.00
36.60	11.04	10.80	0.00
36.65	11.04	10.80	0.00
36.70	11.04	10.80	0.00
36.75	11.04	10.80	0.00
36.80	11.04	10.80	0.00
36.85	11.04	10.80	0.00
36.90	11.04	10.80	0.00
36.95	11.04	10.80	0.00
37.00	11.04	10.80	0.00
37.05	11.04	10.80	0.00
37.10	11.04	10.80	0.00
37.15	11.04	10.80	0.00
37.20	11.04	10.80	0.00
37.25	11.04	10.80	0.00
37.30	11.04	10.80	0.00
37.35	11.04	10.80	0.00
37.40	11.04	10.80	0.00
37.45	11.04	10.80	0.00
37.50	11.04	10.80	0.00
37.55	11.04	10.80	0.00
37.60	11.04	10.80	0.00
37.65	11.04	10.80	0.00
37.70	11.04	10.80	0.00
37.75	11.04	10.80	0.00
37.80	11.04	10.80	0.00
37.85	11.04	10.80	0.00
37.90	11.04	10.80	0.00
37.95	11.04	10.80	0.00
38.00	11.04	10.80	0.00
38.05	11.04	10.80	0.00
38.10	11.04	10.80	0.00
38.15	11.04	10.80	0.00
38.20	11.04	10.80	0.00
38.25	11.04	10.80	0.00
38.30	11.04	10.80	0.00
38.35	11.04	10.80	0.00
38.40	11.04	10.80	0.00
38.45	11.04	10.80	0.00
38.50	11.04	10.80	0.00
38.55	11.04	10.80	0.00
38.60	11.04	10.80	0.00
38.65	11.04	10.80	0.00
38.70	11.04	10.80	0.00
38.75	11.04	10.80	0.00
38.80	11.04	10.80	0.00
38.85	11.04	10.80	0.00
38.90	11.04	10.80	0.00
38.95	11.04	10.80	0.00
39.00	11.04	10.80	0.00
39.05	11.04	10.80	0.00
39.10	11.04	10.80	0.00
39.15	11.04	10.80	0.00
39.20	11.04	10.80	0.00
39.25	11.04	10.80	0.00
39.30	11.04	10.80	0.00
39.35	11.04	10.80	0.00
39.40	11.04	10.80	0.00
39.45	11.04	10.80	0.00
39.50	11.04	10.80	0.00
39.55	11.04	10.80	0.00
39.60	11.04	10.80	0.00
39.65	11.04	10.80	0.00
39.70	11.04	10.80	0.00
39.75	11.04	10.80	0.00
39.80	11.04	10.80	0.00
39.85	11.04	10.80	0.00
39.90	11.04	10.80	0.00
39.95	11.04	10.80	0.00
40.00	11.04	10.80	0.00

Summary for Subcatchment 52P: PDA-52 (pervious)

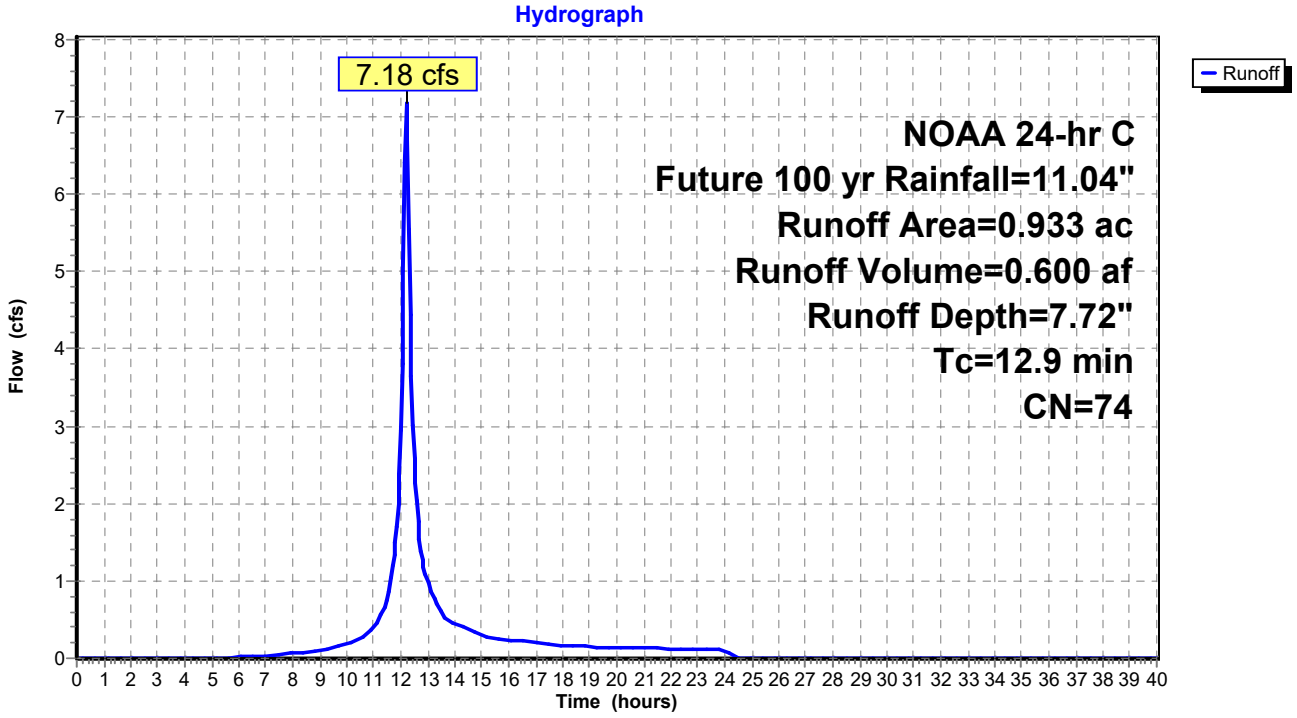
Runoff = 7.18 cfs @ 12.21 hrs, Volume= 0.600 af, Depth= 7.72"
Routed to Pond B-52 : Basin #52

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

Area (ac)	CN	Description
0.933	74	>75% Grass cover, Good, HSG C
0.933		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.9					**Direct Entry,**

Subcatchment 52P: PDA-52 (pervious)



Hydrograph for Subcatchment 52P: PDA-52 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.34	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.35	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.35	0.00	0.00
0.20	0.03	0.00	0.00	2.80	0.36	0.00	0.00
0.25	0.03	0.00	0.00	2.85	0.37	0.00	0.00
0.30	0.04	0.00	0.00	2.90	0.38	0.00	0.00
0.35	0.04	0.00	0.00	2.95	0.38	0.00	0.00
0.40	0.05	0.00	0.00	3.00	0.39	0.00	0.00
0.45	0.05	0.00	0.00	3.05	0.40	0.00	0.00
0.50	0.06	0.00	0.00	3.10	0.40	0.00	0.00
0.55	0.07	0.00	0.00	3.15	0.41	0.00	0.00
0.60	0.07	0.00	0.00	3.20	0.42	0.00	0.00
0.65	0.08	0.00	0.00	3.25	0.43	0.00	0.00
0.70	0.08	0.00	0.00	3.30	0.43	0.00	0.00
0.75	0.09	0.00	0.00	3.35	0.44	0.00	0.00
0.80	0.10	0.00	0.00	3.40	0.45	0.00	0.00
0.85	0.10	0.00	0.00	3.45	0.46	0.00	0.00
0.90	0.11	0.00	0.00	3.50	0.46	0.00	0.00
0.95	0.11	0.00	0.00	3.55	0.47	0.00	0.00
1.00	0.12	0.00	0.00	3.60	0.48	0.00	0.00
1.05	0.13	0.00	0.00	3.65	0.49	0.00	0.00
1.10	0.13	0.00	0.00	3.70	0.49	0.00	0.00
1.15	0.14	0.00	0.00	3.75	0.50	0.00	0.00
1.20	0.15	0.00	0.00	3.80	0.51	0.00	0.00
1.25	0.15	0.00	0.00	3.85	0.52	0.00	0.00
1.30	0.16	0.00	0.00	3.90	0.52	0.00	0.00
1.35	0.16	0.00	0.00	3.95	0.53	0.00	0.00
1.40	0.17	0.00	0.00	4.00	0.54	0.00	0.00
1.45	0.18	0.00	0.00	4.05	0.55	0.00	0.00
1.50	0.18	0.00	0.00	4.10	0.56	0.00	0.00
1.55	0.19	0.00	0.00	4.15	0.56	0.00	0.00
1.60	0.20	0.00	0.00	4.20	0.57	0.00	0.00
1.65	0.20	0.00	0.00	4.25	0.58	0.00	0.00
1.70	0.21	0.00	0.00	4.30	0.59	0.00	0.00
1.75	0.22	0.00	0.00	4.35	0.60	0.00	0.00
1.80	0.22	0.00	0.00	4.40	0.60	0.00	0.00
1.85	0.23	0.00	0.00	4.45	0.61	0.00	0.00
1.90	0.24	0.00	0.00	4.50	0.62	0.00	0.00
1.95	0.24	0.00	0.00	4.55	0.63	0.00	0.00
2.00	0.25	0.00	0.00	4.60	0.64	0.00	0.00
2.05	0.26	0.00	0.00	4.65	0.64	0.00	0.00
2.10	0.26	0.00	0.00	4.70	0.65	0.00	0.00
2.15	0.27	0.00	0.00	4.75	0.66	0.00	0.00
2.20	0.28	0.00	0.00	4.80	0.67	0.00	0.00
2.25	0.28	0.00	0.00	4.85	0.68	0.00	0.00
2.30	0.29	0.00	0.00	4.90	0.69	0.00	0.00
2.35	0.30	0.00	0.00	4.95	0.69	0.00	0.00
2.40	0.30	0.00	0.00	5.00	0.70	0.00	0.00
2.45	0.31	0.00	0.00	5.05	0.71	0.00	0.00
2.50	0.32	0.00	0.00	5.10	0.72	0.00	0.00
2.55	0.33	0.00	0.00	5.15	0.73	0.00	0.00

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.00	0.00	7.80	1.27	0.08	0.06
5.25	0.74	0.00	0.00	7.85	1.28	0.08	0.06
5.30	0.75	0.00	0.00	7.90	1.30	0.09	0.06
5.35	0.76	0.00	0.00	7.95	1.31	0.09	0.06
5.40	0.77	0.00	0.00	8.00	1.32	0.09	0.06
5.45	0.78	0.00	0.00	8.05	1.34	0.10	0.06
5.50	0.79	0.00	0.00	8.10	1.35	0.10	0.07
5.55	0.80	0.00	0.01	8.15	1.36	0.10	0.07
5.60	0.80	0.00	0.01	8.20	1.38	0.11	0.07
5.65	0.81	0.00	0.01	8.25	1.39	0.11	0.07
5.70	0.82	0.00	0.01	8.30	1.40	0.12	0.07
5.75	0.83	0.00	0.01	8.35	1.42	0.12	0.08
5.80	0.84	0.01	0.01	8.40	1.43	0.13	0.08
5.85	0.85	0.01	0.01	8.45	1.45	0.13	0.08
5.90	0.86	0.01	0.01	8.50	1.46	0.13	0.08
5.95	0.87	0.01	0.01	8.55	1.48	0.14	0.08
6.00	0.87	0.01	0.01	8.60	1.49	0.14	0.08
6.05	0.88	0.01	0.01	8.65	1.51	0.15	0.09
6.10	0.89	0.01	0.01	8.70	1.52	0.15	0.09
6.15	0.90	0.01	0.01	8.75	1.54	0.16	0.09
6.20	0.91	0.01	0.02	8.80	1.55	0.16	0.09
6.25	0.92	0.01	0.02	8.85	1.57	0.17	0.09
6.30	0.93	0.01	0.02	8.90	1.58	0.18	0.10
6.35	0.94	0.02	0.02	8.95	1.60	0.18	0.10
6.40	0.95	0.02	0.02	9.00	1.61	0.19	0.10
6.45	0.96	0.02	0.02	9.05	1.63	0.19	0.10
6.50	0.97	0.02	0.02	9.10	1.64	0.20	0.10
6.55	0.98	0.02	0.02	9.15	1.66	0.21	0.11
6.60	0.99	0.02	0.02	9.20	1.68	0.21	0.11
6.65	1.00	0.02	0.02	9.25	1.70	0.22	0.12
6.70	1.01	0.02	0.03	9.30	1.72	0.23	0.12
6.75	1.02	0.03	0.03	9.35	1.73	0.23	0.12
6.80	1.03	0.03	0.03	9.40	1.75	0.24	0.13
6.85	1.04	0.03	0.03	9.45	1.77	0.25	0.13
6.90	1.05	0.03	0.03	9.50	1.79	0.26	0.14
6.95	1.07	0.03	0.03	9.55	1.81	0.27	0.14
7.00	1.08	0.04	0.03	9.60	1.83	0.28	0.15
7.05	1.09	0.04	0.03	9.65	1.85	0.28	0.15
7.10	1.10	0.04	0.04	9.70	1.88	0.29	0.16
7.15	1.11	0.04	0.04	9.75	1.90	0.30	0.16
7.20	1.12	0.04	0.04	9.80	1.92	0.31	0.17
7.25	1.13	0.05	0.04	9.85	1.94	0.32	0.17
7.30	1.15	0.05	0.04	9.90	1.97	0.33	0.18
7.35	1.16	0.05	0.04	9.95	1.99	0.34	0.18
7.40	1.17	0.05	0.04	10.00	2.01	0.36	0.19
7.45	1.18	0.06	0.05	10.05	2.04	0.37	0.20
7.50	1.19	0.06	0.05	10.10	2.06	0.38	0.20
7.55	1.21	0.06	0.05	10.15	2.09	0.39	0.21
7.60	1.22	0.07	0.05	10.20	2.11	0.40	0.21
7.65	1.23	0.07	0.05	10.25	2.14	0.42	0.22
7.70	1.24	0.07	0.05	10.30	2.17	0.43	0.23
7.75	1.26	0.08	0.05	10.35	2.19	0.44	0.23

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	0.46	0.24	13.00	8.39	5.28	1.00
10.45	2.25	0.47	0.25	13.05	8.43	5.32	0.94
10.50	2.28	0.49	0.25	13.10	8.48	5.36	0.89
10.55	2.31	0.50	0.26	13.15	8.52	5.39	0.84
10.60	2.34	0.52	0.27	13.20	8.56	5.43	0.80
10.65	2.37	0.54	0.28	13.25	8.60	5.46	0.76
10.70	2.41	0.56	0.30	13.30	8.63	5.50	0.73
10.75	2.44	0.58	0.31	13.35	8.67	5.53	0.69
10.80	2.48	0.60	0.33	13.40	8.70	5.56	0.67
10.85	2.52	0.62	0.35	13.45	8.73	5.59	0.64
10.90	2.56	0.64	0.37	13.50	8.76	5.61	0.61
10.95	2.61	0.67	0.39	13.55	8.79	5.64	0.58
11.00	2.65	0.69	0.41	13.60	8.82	5.67	0.56
11.05	2.70	0.72	0.43	13.65	8.85	5.69	0.53
11.10	2.75	0.75	0.46	13.70	8.87	5.71	0.51
11.15	2.80	0.79	0.49	13.75	8.90	5.74	0.49
11.20	2.86	0.82	0.52	13.80	8.93	5.76	0.48
11.25	2.92	0.86	0.56	13.85	8.95	5.79	0.47
11.30	2.98	0.90	0.60	13.90	8.98	5.81	0.46
11.35	3.05	0.94	0.64	13.95	9.00	5.83	0.45
11.40	3.12	0.98	0.68	14.00	9.03	5.85	0.44
11.45	3.19	1.03	0.73	14.05	9.05	5.88	0.44
11.50	3.26	1.08	0.77	14.10	9.07	5.90	0.43
11.55	3.37	1.15	0.82	14.15	9.10	5.92	0.42
11.60	3.49	1.23	0.90	14.20	9.12	5.94	0.41
11.65	3.60	1.31	1.04	14.25	9.14	5.96	0.41
11.70	3.72	1.39	1.20	14.30	9.16	5.98	0.40
11.75	3.88	1.51	1.34	14.35	9.19	6.00	0.39
11.80	4.04	1.63	1.49	14.40	9.21	6.02	0.39
11.85	4.27	1.79	1.71	14.45	9.23	6.04	0.38
11.90	4.49	1.96	1.99	14.50	9.25	6.06	0.37
11.95	4.88	2.27	2.38	14.55	9.27	6.07	0.37
12.00	5.26	2.57	2.95	14.60	9.29	6.09	0.36
12.05	5.91	3.11	3.81	14.65	9.31	6.11	0.35
12.10	6.55	3.65	5.00	14.70	9.32	6.13	0.34
12.15	6.77	3.85	6.42	14.75	9.34	6.14	0.34
12.20	7.00	4.04	**7.17**	14.80	9.36	6.16	0.33
12.25	7.16	4.18	6.70	14.85	9.38	6.17	0.32
12.30	7.32	4.32	5.55	14.90	9.40	6.19	0.32
12.35	7.44	4.43	4.44	14.95	9.41	6.21	0.31
12.40	7.55	4.53	3.64	15.00	9.43	6.22	0.30
12.45	7.67	4.63	3.02	15.05	9.44	6.23	0.30
12.50	7.78	4.73	2.58	15.10	9.46	6.25	0.29
12.55	7.85	4.79	2.27	15.15	9.47	6.26	0.28
12.60	7.92	4.86	2.03	15.20	9.49	6.28	0.28
12.65	7.99	4.92	1.78	15.25	9.50	6.29	0.27
12.70	8.06	4.98	1.55	15.30	9.52	6.30	0.27
12.75	8.12	5.03	1.37	15.35	9.53	6.32	0.26
12.80	8.18	5.09	1.26	15.40	9.55	6.33	0.26
12.85	8.24	5.14	1.18	15.45	9.56	6.34	0.26
12.90	8.29	5.19	1.11	15.50	9.58	6.36	0.26
12.95	8.34	5.23	1.05	15.55	9.59	6.37	0.26

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	6.38	0.25	18.20	10.20	6.93	0.16
15.65	9.62	6.40	0.25	18.25	10.21	6.94	0.16
15.70	9.64	6.41	0.25	18.30	10.22	6.95	0.16
15.75	9.65	6.42	0.25	18.35	10.23	6.96	0.15
15.80	9.66	6.44	0.25	18.40	10.24	6.97	0.15
15.85	9.68	6.45	0.24	18.45	10.24	6.97	0.15
15.90	9.69	6.46	0.24	18.50	10.25	6.98	0.15
15.95	9.70	6.47	0.24	18.55	10.26	6.99	0.15
16.00	9.72	6.49	0.24	18.60	10.27	7.00	0.15
16.05	9.73	6.50	0.24	18.65	10.28	7.01	0.15
16.10	9.74	6.51	0.24	18.70	10.29	7.01	0.15
16.15	9.76	6.52	0.23	18.75	10.30	7.02	0.15
16.20	9.77	6.54	0.23	18.80	10.30	7.03	0.15
16.25	9.78	6.55	0.23	18.85	10.31	7.04	0.15
16.30	9.80	6.56	0.23	18.90	10.32	7.04	0.15
16.35	9.81	6.57	0.23	18.95	10.33	7.05	0.15
16.40	9.82	6.58	0.22	19.00	10.34	7.06	0.15
16.45	9.83	6.59	0.22	19.05	10.35	7.07	0.15
16.50	9.85	6.60	0.22	19.10	10.35	7.08	0.15
16.55	9.86	6.62	0.22	19.15	10.36	7.08	0.15
16.60	9.87	6.63	0.22	19.20	10.37	7.09	0.15
16.65	9.88	6.64	0.22	19.25	10.38	7.10	0.15
16.70	9.89	6.65	0.21	19.30	10.39	7.11	0.15
16.75	9.91	6.66	0.21	19.35	10.40	7.11	0.14
16.80	9.92	6.67	0.21	19.40	10.40	7.12	0.14
16.85	9.93	6.68	0.21	19.45	10.41	7.13	0.14
16.90	9.94	6.69	0.21	19.50	10.42	7.14	0.14
16.95	9.95	6.70	0.20	19.55	10.43	7.14	0.14
17.00	9.96	6.71	0.20	19.60	10.44	7.15	0.14
17.05	9.97	6.72	0.20	19.65	10.44	7.16	0.14
17.10	9.99	6.73	0.20	19.70	10.45	7.17	0.14
17.15	10.00	6.74	0.20	19.75	10.46	7.17	0.14
17.20	10.01	6.75	0.19	19.80	10.47	7.18	0.14
17.25	10.02	6.76	0.19	19.85	10.48	7.19	0.14
17.30	10.03	6.77	0.19	19.90	10.48	7.20	0.14
17.35	10.04	6.78	0.19	19.95	10.49	7.20	0.14
17.40	10.05	6.79	0.19	20.00	10.50	7.21	0.14
17.45	10.06	6.80	0.18	20.05	10.51	7.22	0.14
17.50	10.07	6.81	0.18	20.10	10.52	7.23	0.14
17.55	10.08	6.82	0.18	20.15	10.52	7.23	0.14
17.60	10.09	6.83	0.18	20.20	10.53	7.24	0.14
17.65	10.10	6.84	0.18	20.25	10.54	7.25	0.14
17.70	10.11	6.85	0.18	20.30	10.55	7.25	0.14
17.75	10.12	6.86	0.17	20.35	10.55	7.26	0.14
17.80	10.13	6.87	0.17	20.40	10.56	7.27	0.13
17.85	10.14	6.87	0.17	20.45	10.57	7.28	0.13
17.90	10.15	6.88	0.17	20.50	10.58	7.28	0.13
17.95	10.16	6.89	0.17	20.55	10.58	7.29	0.13
18.00	10.17	6.90	0.16	20.60	10.59	7.30	0.13
18.05	10.17	6.91	0.16	20.65	10.60	7.30	0.13
18.10	10.18	6.92	0.16	20.70	10.61	7.31	0.13
18.15	10.19	6.92	0.16	20.75	10.61	7.32	0.13

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	7.32	0.13	23.40	10.97	7.65	0.11
20.85	10.63	7.33	0.13	23.45	10.97	7.65	0.11
20.90	10.64	7.34	0.13	23.50	10.98	7.66	0.11
20.95	10.64	7.34	0.13	23.55	10.99	7.66	0.11
21.00	10.65	7.35	0.13	23.60	10.99	7.67	0.10
21.05	10.66	7.36	0.13	23.65	11.00	7.67	0.10
21.10	10.66	7.36	0.13	23.70	11.00	7.68	0.10
21.15	10.67	7.37	0.13	23.75	11.01	7.69	0.10
21.20	10.68	7.38	0.13	23.80	11.01	7.69	0.10
21.25	10.69	7.38	0.13	23.85	11.02	7.70	0.10
21.30	10.69	7.39	0.13	23.90	11.03	7.70	0.10
21.35	10.70	7.40	0.13	23.95	11.03	7.71	0.10
21.40	10.71	7.40	0.13	24.00	**11.04**	**7.72**	0.10
21.45	10.71	7.41	0.13	24.05	11.04	7.72	0.11
21.50	10.72	7.42	0.12	24.10	11.04	7.72	0.10
21.55	10.73	7.42	0.12	24.15	11.04	7.72	0.08
21.60	10.74	7.43	0.12	24.20	11.04	7.72	0.05
21.65	10.74	7.44	0.12	24.25	11.04	7.72	0.03
21.70	10.75	7.44	0.12	24.30	11.04	7.72	0.02
21.75	10.76	7.45	0.12	24.35	11.04	7.72	0.01
21.80	10.76	7.46	0.12	24.40	11.04	7.72	0.00
21.85	10.77	7.46	0.12	24.45	11.04	7.72	0.00
21.90	10.78	7.47	0.12	24.50	11.04	7.72	0.00
21.95	10.78	7.48	0.12	24.55	11.04	7.72	0.00
22.00	10.79	7.48	0.12	24.60	11.04	7.72	0.00
22.05	10.80	7.49	0.12	24.65	11.04	7.72	0.00
22.10	10.80	7.49	0.12	24.70	11.04	7.72	0.00
22.15	10.81	7.50	0.12	24.75	11.04	7.72	0.00
22.20	10.82	7.51	0.12	24.80	11.04	7.72	0.00
22.25	10.82	7.51	0.12	24.85	11.04	7.72	0.00
22.30	10.83	7.52	0.12	24.90	11.04	7.72	0.00
22.35	10.84	7.53	0.12	24.95	11.04	7.72	0.00
22.40	10.84	7.53	0.12	25.00	11.04	7.72	0.00
22.45	10.85	7.54	0.12	25.05	11.04	7.72	0.00
22.50	10.86	7.54	0.12	25.10	11.04	7.72	0.00
22.55	10.86	7.55	0.11	25.15	11.04	7.72	0.00
22.60	10.87	7.56	0.11	25.20	11.04	7.72	0.00
22.65	10.88	7.56	0.11	25.25	11.04	7.72	0.00
22.70	10.88	7.57	0.11	25.30	11.04	7.72	0.00
22.75	10.89	7.57	0.11	25.35	11.04	7.72	0.00
22.80	10.89	7.58	0.11	25.40	11.04	7.72	0.00
22.85	10.90	7.58	0.11	25.45	11.04	7.72	0.00
22.90	10.91	7.59	0.11	25.50	11.04	7.72	0.00
22.95	10.91	7.60	0.11	25.55	11.04	7.72	0.00
23.00	10.92	7.60	0.11	25.60	11.04	7.72	0.00
23.05	10.93	7.61	0.11	25.65	11.04	7.72	0.00
23.10	10.93	7.61	0.11	25.70	11.04	7.72	0.00
23.15	10.94	7.62	0.11	25.75	11.04	7.72	0.00
23.20	10.94	7.63	0.11	25.80	11.04	7.72	0.00
23.25	10.95	7.63	0.11	25.85	11.04	7.72	0.00
23.30	10.96	7.64	0.11	25.90	11.04	7.72	0.00
23.35	10.96	7.64	0.11	25.95	11.04	7.72	0.00

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	7.72	0.00	28.60	11.04	7.72	0.00
26.05	11.04	7.72	0.00	28.65	11.04	7.72	0.00
26.10	11.04	7.72	0.00	28.70	11.04	7.72	0.00
26.15	11.04	7.72	0.00	28.75	11.04	7.72	0.00
26.20	11.04	7.72	0.00	28.80	11.04	7.72	0.00
26.25	11.04	7.72	0.00	28.85	11.04	7.72	0.00
26.30	11.04	7.72	0.00	28.90	11.04	7.72	0.00
26.35	11.04	7.72	0.00	28.95	11.04	7.72	0.00
26.40	11.04	7.72	0.00	29.00	11.04	7.72	0.00
26.45	11.04	7.72	0.00	29.05	11.04	7.72	0.00
26.50	11.04	7.72	0.00	29.10	11.04	7.72	0.00
26.55	11.04	7.72	0.00	29.15	11.04	7.72	0.00
26.60	11.04	7.72	0.00	29.20	11.04	7.72	0.00
26.65	11.04	7.72	0.00	29.25	11.04	7.72	0.00
26.70	11.04	7.72	0.00	29.30	11.04	7.72	0.00
26.75	11.04	7.72	0.00	29.35	11.04	7.72	0.00
26.80	11.04	7.72	0.00	29.40	11.04	7.72	0.00
26.85	11.04	7.72	0.00	29.45	11.04	7.72	0.00
26.90	11.04	7.72	0.00	29.50	11.04	7.72	0.00
26.95	11.04	7.72	0.00	29.55	11.04	7.72	0.00
27.00	11.04	7.72	0.00	29.60	11.04	7.72	0.00
27.05	11.04	7.72	0.00	29.65	11.04	7.72	0.00
27.10	11.04	7.72	0.00	29.70	11.04	7.72	0.00
27.15	11.04	7.72	0.00	29.75	11.04	7.72	0.00
27.20	11.04	7.72	0.00	29.80	11.04	7.72	0.00
27.25	11.04	7.72	0.00	29.85	11.04	7.72	0.00
27.30	11.04	7.72	0.00	29.90	11.04	7.72	0.00
27.35	11.04	7.72	0.00	29.95	11.04	7.72	0.00
27.40	11.04	7.72	0.00	30.00	11.04	7.72	0.00
27.45	11.04	7.72	0.00	30.05	11.04	7.72	0.00
27.50	11.04	7.72	0.00	30.10	11.04	7.72	0.00
27.55	11.04	7.72	0.00	30.15	11.04	7.72	0.00
27.60	11.04	7.72	0.00	30.20	11.04	7.72	0.00
27.65	11.04	7.72	0.00	30.25	11.04	7.72	0.00
27.70	11.04	7.72	0.00	30.30	11.04	7.72	0.00
27.75	11.04	7.72	0.00	30.35	11.04	7.72	0.00
27.80	11.04	7.72	0.00	30.40	11.04	7.72	0.00
27.85	11.04	7.72	0.00	30.45	11.04	7.72	0.00
27.90	11.04	7.72	0.00	30.50	11.04	7.72	0.00
27.95	11.04	7.72	0.00	30.55	11.04	7.72	0.00
28.00	11.04	7.72	0.00	30.60	11.04	7.72	0.00
28.05	11.04	7.72	0.00	30.65	11.04	7.72	0.00
28.10	11.04	7.72	0.00	30.70	11.04	7.72	0.00
28.15	11.04	7.72	0.00	30.75	11.04	7.72	0.00
28.20	11.04	7.72	0.00	30.80	11.04	7.72	0.00
28.25	11.04	7.72	0.00	30.85	11.04	7.72	0.00
28.30	11.04	7.72	0.00	30.90	11.04	7.72	0.00
28.35	11.04	7.72	0.00	30.95	11.04	7.72	0.00
28.40	11.04	7.72	0.00	31.00	11.04	7.72	0.00
28.45	11.04	7.72	0.00	31.05	11.04	7.72	0.00
28.50	11.04	7.72	0.00	31.10	11.04	7.72	0.00
28.55	11.04	7.72	0.00	31.15	11.04	7.72	0.00

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	7.72	0.00	33.80	11.04	7.72	0.00
31.25	11.04	7.72	0.00	33.85	11.04	7.72	0.00
31.30	11.04	7.72	0.00	33.90	11.04	7.72	0.00
31.35	11.04	7.72	0.00	33.95	11.04	7.72	0.00
31.40	11.04	7.72	0.00	34.00	11.04	7.72	0.00
31.45	11.04	7.72	0.00	34.05	11.04	7.72	0.00
31.50	11.04	7.72	0.00	34.10	11.04	7.72	0.00
31.55	11.04	7.72	0.00	34.15	11.04	7.72	0.00
31.60	11.04	7.72	0.00	34.20	11.04	7.72	0.00
31.65	11.04	7.72	0.00	34.25	11.04	7.72	0.00
31.70	11.04	7.72	0.00	34.30	11.04	7.72	0.00
31.75	11.04	7.72	0.00	34.35	11.04	7.72	0.00
31.80	11.04	7.72	0.00	34.40	11.04	7.72	0.00
31.85	11.04	7.72	0.00	34.45	11.04	7.72	0.00
31.90	11.04	7.72	0.00	34.50	11.04	7.72	0.00
31.95	11.04	7.72	0.00	34.55	11.04	7.72	0.00
32.00	11.04	7.72	0.00	34.60	11.04	7.72	0.00
32.05	11.04	7.72	0.00	34.65	11.04	7.72	0.00
32.10	11.04	7.72	0.00	34.70	11.04	7.72	0.00
32.15	11.04	7.72	0.00	34.75	11.04	7.72	0.00
32.20	11.04	7.72	0.00	34.80	11.04	7.72	0.00
32.25	11.04	7.72	0.00	34.85	11.04	7.72	0.00
32.30	11.04	7.72	0.00	34.90	11.04	7.72	0.00
32.35	11.04	7.72	0.00	34.95	11.04	7.72	0.00
32.40	11.04	7.72	0.00	35.00	11.04	7.72	0.00
32.45	11.04	7.72	0.00	35.05	11.04	7.72	0.00
32.50	11.04	7.72	0.00	35.10	11.04	7.72	0.00
32.55	11.04	7.72	0.00	35.15	11.04	7.72	0.00
32.60	11.04	7.72	0.00	35.20	11.04	7.72	0.00
32.65	11.04	7.72	0.00	35.25	11.04	7.72	0.00
32.70	11.04	7.72	0.00	35.30	11.04	7.72	0.00
32.75	11.04	7.72	0.00	35.35	11.04	7.72	0.00
32.80	11.04	7.72	0.00	35.40	11.04	7.72	0.00
32.85	11.04	7.72	0.00	35.45	11.04	7.72	0.00
32.90	11.04	7.72	0.00	35.50	11.04	7.72	0.00
32.95	11.04	7.72	0.00	35.55	11.04	7.72	0.00
33.00	11.04	7.72	0.00	35.60	11.04	7.72	0.00
33.05	11.04	7.72	0.00	35.65	11.04	7.72	0.00
33.10	11.04	7.72	0.00	35.70	11.04	7.72	0.00
33.15	11.04	7.72	0.00	35.75	11.04	7.72	0.00
33.20	11.04	7.72	0.00	35.80	11.04	7.72	0.00
33.25	11.04	7.72	0.00	35.85	11.04	7.72	0.00
33.30	11.04	7.72	0.00	35.90	11.04	7.72	0.00
33.35	11.04	7.72	0.00	35.95	11.04	7.72	0.00
33.40	11.04	7.72	0.00	36.00	11.04	7.72	0.00
33.45	11.04	7.72	0.00	36.05	11.04	7.72	0.00
33.50	11.04	7.72	0.00	36.10	11.04	7.72	0.00
33.55	11.04	7.72	0.00	36.15	11.04	7.72	0.00
33.60	11.04	7.72	0.00	36.20	11.04	7.72	0.00
33.65	11.04	7.72	0.00	36.25	11.04	7.72	0.00
33.70	11.04	7.72	0.00	36.30	11.04	7.72	0.00
33.75	11.04	7.72	0.00	36.35	11.04	7.72	0.00

Hydrograph for Subcatchment 52P: PDA-52 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	7.72	0.00
36.45	11.04	7.72	0.00
36.50	11.04	7.72	0.00
36.55	11.04	7.72	0.00
36.60	11.04	7.72	0.00
36.65	11.04	7.72	0.00
36.70	11.04	7.72	0.00
36.75	11.04	7.72	0.00
36.80	11.04	7.72	0.00
36.85	11.04	7.72	0.00
36.90	11.04	7.72	0.00
36.95	11.04	7.72	0.00
37.00	11.04	7.72	0.00
37.05	11.04	7.72	0.00
37.10	11.04	7.72	0.00
37.15	11.04	7.72	0.00
37.20	11.04	7.72	0.00
37.25	11.04	7.72	0.00
37.30	11.04	7.72	0.00
37.35	11.04	7.72	0.00
37.40	11.04	7.72	0.00
37.45	11.04	7.72	0.00
37.50	11.04	7.72	0.00
37.55	11.04	7.72	0.00
37.60	11.04	7.72	0.00
37.65	11.04	7.72	0.00
37.70	11.04	7.72	0.00
37.75	11.04	7.72	0.00
37.80	11.04	7.72	0.00
37.85	11.04	7.72	0.00
37.90	11.04	7.72	0.00
37.95	11.04	7.72	0.00
38.00	11.04	7.72	0.00
38.05	11.04	7.72	0.00
38.10	11.04	7.72	0.00
38.15	11.04	7.72	0.00
38.20	11.04	7.72	0.00
38.25	11.04	7.72	0.00
38.30	11.04	7.72	0.00
38.35	11.04	7.72	0.00
38.40	11.04	7.72	0.00
38.45	11.04	7.72	0.00
38.50	11.04	7.72	0.00
38.55	11.04	7.72	0.00
38.60	11.04	7.72	0.00
38.65	11.04	7.72	0.00
38.70	11.04	7.72	0.00
38.75	11.04	7.72	0.00
38.80	11.04	7.72	0.00
38.85	11.04	7.72	0.00
38.90	11.04	7.72	0.00
38.95	11.04	7.72	0.00
39.00	11.04	7.72	0.00
39.05	11.04	7.72	0.00
39.10	11.04	7.72	0.00
39.15	11.04	7.72	0.00
39.20	11.04	7.72	0.00
39.25	11.04	7.72	0.00
39.30	11.04	7.72	0.00
39.35	11.04	7.72	0.00
39.40	11.04	7.72	0.00
39.45	11.04	7.72	0.00
39.50	11.04	7.72	0.00
39.55	11.04	7.72	0.00
39.60	11.04	7.72	0.00
39.65	11.04	7.72	0.00
39.70	11.04	7.72	0.00
39.75	11.04	7.72	0.00
39.80	11.04	7.72	0.00
39.85	11.04	7.72	0.00
39.90	11.04	7.72	0.00
39.95	11.04	7.72	0.00
40.00	11.04	7.72	0.00

Summary for Subcatchment 53I: PDA-53 (impervious)

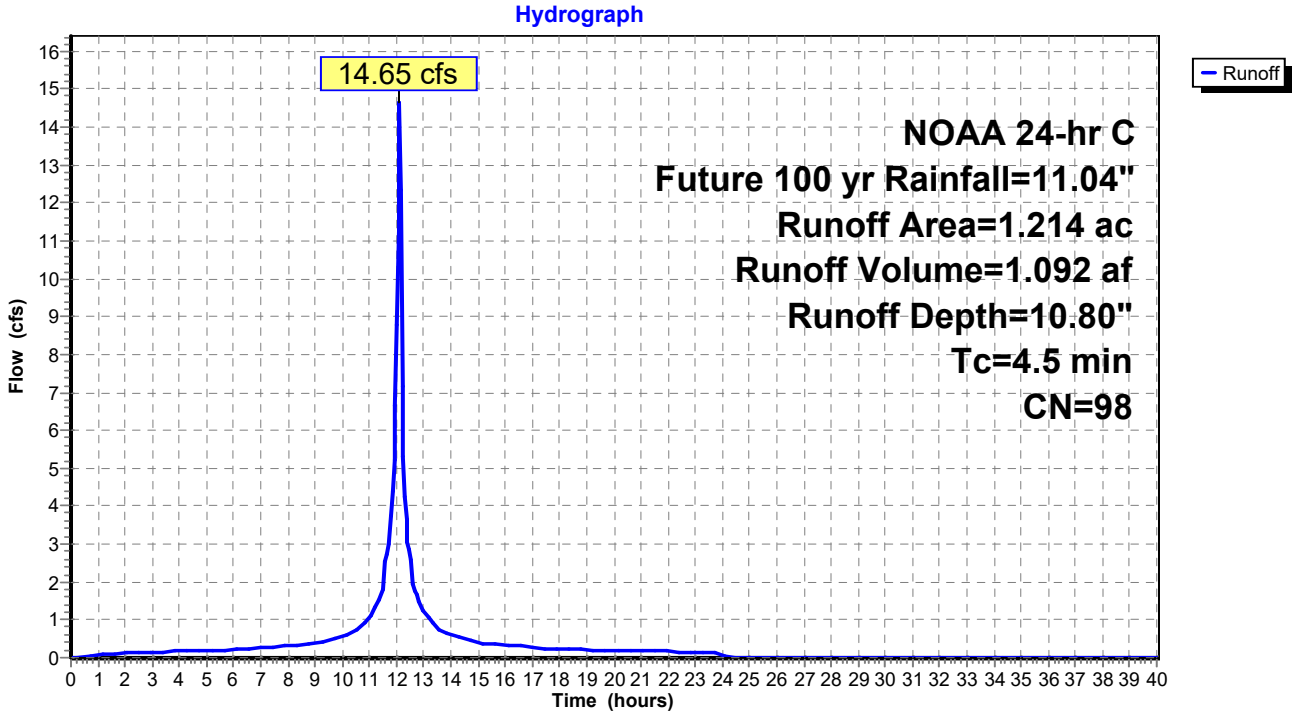
Runoff = 14.65 cfs @ 12.10 hrs, Volume= 1.092 af, Depth=10.80"
Routed to Pond B-53 : Basin #53

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

	Area (ac)	CN	Description
*	0.628	98	Pavement, HSG C
*	0.450	98	Roof, HSG C
*	0.136	98	Concrete, HSG C
	1.214	98	Weighted Average
	1.214		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
4.5					**Direct Entry,**

Subcatchment 53I: PDA-53 (impervious)



Hydrograph for Subcatchment 53I: PDA-53 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.17	0.14
0.05	0.01	0.00	0.00	2.65	0.34	0.18	0.14
0.10	0.01	0.00	0.00	2.70	0.35	0.18	0.14
0.15	0.02	0.00	0.00	2.75	0.35	0.19	0.15
0.20	0.03	0.00	0.00	2.80	0.36	0.20	0.15
0.25	0.03	0.00	0.00	2.85	0.37	0.20	0.15
0.30	0.04	0.00	0.00	2.90	0.38	0.21	0.15
0.35	0.04	0.00	0.00	2.95	0.38	0.21	0.15
0.40	0.05	0.00	0.00	3.00	0.39	0.22	0.15
0.45	0.05	0.00	0.01	3.05	0.40	0.23	0.15
0.50	0.06	0.00	0.01	3.10	0.40	0.23	0.15
0.55	0.07	0.00	0.02	3.15	0.41	0.24	0.16
0.60	0.07	0.00	0.03	3.20	0.42	0.25	0.16
0.65	0.08	0.01	0.03	3.25	0.43	0.25	0.16
0.70	0.08	0.01	0.04	3.30	0.43	0.26	0.16
0.75	0.09	0.01	0.05	3.35	0.44	0.27	0.16
0.80	0.10	0.01	0.05	3.40	0.45	0.27	0.16
0.85	0.10	0.01	0.05	3.45	0.46	0.28	0.16
0.90	0.11	0.02	0.06	3.50	0.46	0.29	0.16
0.95	0.11	0.02	0.06	3.55	0.47	0.29	0.17
1.00	0.12	0.02	0.07	3.60	0.48	0.30	0.17
1.05	0.13	0.03	0.07	3.65	0.49	0.31	0.17
1.10	0.13	0.03	0.08	3.70	0.49	0.31	0.17
1.15	0.14	0.03	0.08	3.75	0.50	0.32	0.17
1.20	0.15	0.04	0.08	3.80	0.51	0.33	0.17
1.25	0.15	0.04	0.09	3.85	0.52	0.33	0.17
1.30	0.16	0.04	0.09	3.90	0.52	0.34	0.17
1.35	0.16	0.05	0.09	3.95	0.53	0.35	0.17
1.40	0.17	0.05	0.09	4.00	0.54	0.35	0.17
1.45	0.18	0.05	0.10	4.05	0.55	0.36	0.17
1.50	0.18	0.06	0.10	4.10	0.56	0.37	0.18
1.55	0.19	0.06	0.10	4.15	0.56	0.38	0.18
1.60	0.20	0.07	0.10	4.20	0.57	0.38	0.18
1.65	0.20	0.07	0.11	4.25	0.58	0.39	0.18
1.70	0.21	0.08	0.11	4.30	0.59	0.40	0.18
1.75	0.22	0.08	0.11	4.35	0.60	0.41	0.18
1.80	0.22	0.09	0.11	4.40	0.60	0.41	0.18
1.85	0.23	0.09	0.12	4.45	0.61	0.42	0.18
1.90	0.24	0.10	0.12	4.50	0.62	0.43	0.18
1.95	0.24	0.10	0.12	4.55	0.63	0.44	0.18
2.00	0.25	0.11	0.12	4.60	0.64	0.44	0.19
2.05	0.26	0.11	0.12	4.65	0.64	0.45	0.19
2.10	0.26	0.12	0.13	4.70	0.65	0.46	0.19
2.15	0.27	0.12	0.13	4.75	0.66	0.47	0.19
2.20	0.28	0.13	0.13	4.80	0.67	0.47	0.19
2.25	0.28	0.13	0.13	4.85	0.68	0.48	0.19
2.30	0.29	0.14	0.13	4.90	0.69	0.49	0.19
2.35	0.30	0.14	0.13	4.95	0.69	0.50	0.19
2.40	0.30	0.15	0.14	5.00	0.70	0.51	0.19
2.45	0.31	0.15	0.14	5.05	0.71	0.51	0.19
2.50	0.32	0.16	0.14	5.10	0.72	0.52	0.19
2.55	0.33	0.17	0.14	5.15	0.73	0.53	0.19

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.54	0.20	7.80	1.27	1.05	0.31
5.25	0.74	0.55	0.20	7.85	1.28	1.07	0.31
5.30	0.75	0.55	0.20	7.90	1.30	1.08	0.31
5.35	0.76	0.56	0.20	7.95	1.31	1.09	0.32
5.40	0.77	0.57	0.20	8.00	1.32	1.11	0.32
5.45	0.78	0.58	0.20	8.05	1.34	1.12	0.32
5.50	0.79	0.59	0.20	8.10	1.35	1.13	0.32
5.55	0.80	0.59	0.20	8.15	1.36	1.15	0.33
5.60	0.80	0.60	0.20	8.20	1.38	1.16	0.33
5.65	0.81	0.61	0.20	8.25	1.39	1.17	0.33
5.70	0.82	0.62	0.20	8.30	1.40	1.19	0.33
5.75	0.83	0.63	0.20	8.35	1.42	1.20	0.34
5.80	0.84	0.64	0.21	8.40	1.43	1.21	0.34
5.85	0.85	0.64	0.21	8.45	1.45	1.23	0.34
5.90	0.86	0.65	0.21	8.50	1.46	1.24	0.35
5.95	0.87	0.66	0.21	8.55	1.48	1.26	0.35
6.00	0.87	0.67	0.21	8.60	1.49	1.27	0.35
6.05	0.88	0.68	0.21	8.65	1.51	1.29	0.35
6.10	0.89	0.69	0.21	8.70	1.52	1.30	0.36
6.15	0.90	0.70	0.22	8.75	1.54	1.32	0.36
6.20	0.91	0.71	0.22	8.80	1.55	1.33	0.36
6.25	0.92	0.71	0.22	8.85	1.57	1.35	0.36
6.30	0.93	0.72	0.22	8.90	1.58	1.36	0.37
6.35	0.94	0.73	0.23	8.95	1.60	1.38	0.37
6.40	0.95	0.74	0.23	9.00	1.61	1.39	0.37
6.45	0.96	0.75	0.23	9.05	1.63	1.41	0.38
6.50	0.97	0.76	0.24	9.10	1.64	1.42	0.39
6.55	0.98	0.77	0.24	9.15	1.66	1.44	0.40
6.60	0.99	0.78	0.24	9.20	1.68	1.46	0.41
6.65	1.00	0.79	0.24	9.25	1.70	1.47	0.42
6.70	1.01	0.80	0.25	9.30	1.72	1.49	0.43
6.75	1.02	0.81	0.25	9.35	1.73	1.51	0.44
6.80	1.03	0.82	0.25	9.40	1.75	1.53	0.45
6.85	1.04	0.83	0.25	9.45	1.77	1.55	0.46
6.90	1.05	0.84	0.26	9.50	1.79	1.57	0.47
6.95	1.07	0.85	0.26	9.55	1.81	1.59	0.48
7.00	1.08	0.87	0.26	9.60	1.83	1.61	0.49
7.05	1.09	0.88	0.27	9.65	1.85	1.63	0.50
7.10	1.10	0.89	0.27	9.70	1.88	1.65	0.51
7.15	1.11	0.90	0.27	9.75	1.90	1.67	0.52
7.20	1.12	0.91	0.27	9.80	1.92	1.69	0.53
7.25	1.13	0.92	0.28	9.85	1.94	1.72	0.54
7.30	1.15	0.93	0.28	9.90	1.97	1.74	0.55
7.35	1.16	0.94	0.28	9.95	1.99	1.76	0.56
7.40	1.17	0.96	0.29	10.00	2.01	1.79	0.57
7.45	1.18	0.97	0.29	10.05	2.04	1.81	0.58
7.50	1.19	0.98	0.29	10.10	2.06	1.84	0.59
7.55	1.21	0.99	0.29	10.15	2.09	1.86	0.60
7.60	1.22	1.00	0.30	10.20	2.11	1.89	0.61
7.65	1.23	1.02	0.30	10.25	2.14	1.91	0.62
7.70	1.24	1.03	0.30	10.30	2.17	1.94	0.63
7.75	1.26	1.04	0.30	10.35	2.19	1.97	0.64

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	1.99	0.65	13.00	8.39	8.15	1.24
10.45	2.25	2.02	0.66	13.05	8.43	8.19	1.18
10.50	2.28	2.05	0.68	13.10	8.48	8.24	1.10
10.55	2.31	2.08	0.70	13.15	8.52	8.28	1.05
10.60	2.34	2.11	0.74	13.20	8.56	8.32	1.01
10.65	2.37	2.14	0.78	13.25	8.60	8.36	0.97
10.70	2.41	2.18	0.82	13.30	8.63	8.39	0.93
10.75	2.44	2.21	0.85	13.35	8.67	8.43	0.89
10.80	2.48	2.25	0.90	13.40	8.70	8.46	0.85
10.85	2.52	2.29	0.93	13.45	8.73	8.49	0.82
10.90	2.56	2.33	0.97	13.50	8.76	8.52	0.77
10.95	2.61	2.38	1.01	13.55	8.79	8.55	0.74
11.00	2.65	2.42	1.05	13.60	8.82	8.58	0.70
11.05	2.70	2.47	1.11	13.65	8.85	8.61	0.68
11.10	2.75	2.52	1.19	13.70	8.87	8.63	0.67
11.15	2.80	2.57	1.25	13.75	8.90	8.66	0.66
11.20	2.86	2.63	1.33	13.80	8.93	8.69	0.65
11.25	2.92	2.69	1.40	13.85	8.95	8.71	0.64
11.30	2.98	2.75	1.48	13.90	8.98	8.74	0.63
11.35	3.05	2.82	1.54	13.95	9.00	8.76	0.62
11.40	3.12	2.89	1.62	14.00	9.03	8.79	0.60
11.45	3.19	2.96	1.68	14.05	9.05	8.81	0.60
11.50	3.26	3.03	1.74	14.10	9.07	8.83	0.58
11.55	3.37	3.14	2.06	14.15	9.10	8.86	0.58
11.60	3.49	3.25	2.56	14.20	9.12	8.88	0.57
11.65	3.60	3.37	2.74	14.25	9.14	8.90	0.56
11.70	3.72	3.49	2.84	14.30	9.16	8.92	0.54
11.75	3.88	3.65	3.20	14.35	9.19	8.95	0.53
11.80	4.04	3.81	3.76	14.40	9.21	8.97	0.52
11.85	4.27	4.03	4.38	14.45	9.23	8.99	0.51
11.90	4.49	4.25	5.21	14.50	9.25	9.01	0.50
11.95	4.88	4.64	6.66	14.55	9.27	9.03	0.49
12.00	5.26	5.02	8.77	14.60	9.29	9.05	0.48
12.05	5.91	5.67	11.28	14.65	9.31	9.07	0.47
12.10	6.55	6.31	**14.62**	14.70	9.32	9.08	0.46
12.15	6.77	6.53	12.33	14.75	9.34	9.10	0.45
12.20	7.00	6.76	7.18	14.80	9.36	9.12	0.44
12.25	7.16	6.92	5.32	14.85	9.38	9.14	0.43
12.30	7.32	7.08	4.25	14.90	9.40	9.15	0.42
12.35	7.44	7.20	3.66	14.95	9.41	9.17	0.41
12.40	7.55	7.31	3.06	15.00	9.43	9.19	0.40
12.45	7.67	7.43	2.86	15.05	9.44	9.20	0.39
12.50	7.78	7.54	2.76	15.10	9.46	9.22	0.38
12.55	7.85	7.61	2.43	15.15	9.47	9.23	0.38
12.60	7.92	7.68	1.93	15.20	9.49	9.25	0.37
12.65	7.99	7.75	1.76	15.25	9.50	9.26	0.37
12.70	8.06	7.82	1.68	15.30	9.52	9.28	0.37
12.75	8.12	7.88	1.61	15.35	9.53	9.29	0.37
12.80	8.18	7.94	1.53	15.40	9.55	9.31	0.36
12.85	8.24	8.00	1.47	15.45	9.56	9.32	0.36
12.90	8.29	8.05	1.39	15.50	9.58	9.34	0.36
12.95	8.34	8.10	1.32	15.55	9.59	9.35	0.36

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	9.37	0.35	18.20	10.20	9.96	0.22
15.65	9.62	9.38	0.35	18.25	10.21	9.97	0.22
15.70	9.64	9.39	0.35	18.30	10.22	9.98	0.22
15.75	9.65	9.41	0.34	18.35	10.23	9.99	0.21
15.80	9.66	9.42	0.34	18.40	10.24	9.99	0.21
15.85	9.68	9.44	0.34	18.45	10.24	10.00	0.21
15.90	9.69	9.45	0.34	18.50	10.25	10.01	0.21
15.95	9.70	9.46	0.33	18.55	10.26	10.02	0.21
16.00	9.72	9.48	0.33	18.60	10.27	10.03	0.21
16.05	9.73	9.49	0.33	18.65	10.28	10.04	0.21
16.10	9.74	9.50	0.33	18.70	10.29	10.05	0.21
16.15	9.76	9.52	0.32	18.75	10.30	10.05	0.21
16.20	9.77	9.53	0.32	18.80	10.30	10.06	0.21
16.25	9.78	9.54	0.32	18.85	10.31	10.07	0.21
16.30	9.80	9.55	0.31	18.90	10.32	10.08	0.21
16.35	9.81	9.57	0.31	18.95	10.33	10.09	0.21
16.40	9.82	9.58	0.31	19.00	10.34	10.10	0.21
16.45	9.83	9.59	0.31	19.05	10.35	10.11	0.20
16.50	9.85	9.60	0.30	19.10	10.35	10.11	0.20
16.55	9.86	9.62	0.30	19.15	10.36	10.12	0.20
16.60	9.87	9.63	0.30	19.20	10.37	10.13	0.20
16.65	9.88	9.64	0.30	19.25	10.38	10.14	0.20
16.70	9.89	9.65	0.29	19.30	10.39	10.15	0.20
16.75	9.91	9.66	0.29	19.35	10.40	10.15	0.20
16.80	9.92	9.68	0.29	19.40	10.40	10.16	0.20
16.85	9.93	9.69	0.29	19.45	10.41	10.17	0.20
16.90	9.94	9.70	0.28	19.50	10.42	10.18	0.20
16.95	9.95	9.71	0.28	19.55	10.43	10.19	0.20
17.00	9.96	9.72	0.28	19.60	10.44	10.20	0.20
17.05	9.97	9.73	0.28	19.65	10.44	10.20	0.20
17.10	9.99	9.74	0.27	19.70	10.45	10.21	0.20
17.15	10.00	9.76	0.27	19.75	10.46	10.22	0.20
17.20	10.01	9.77	0.27	19.80	10.47	10.23	0.20
17.25	10.02	9.78	0.26	19.85	10.48	10.24	0.20
17.30	10.03	9.79	0.26	19.90	10.48	10.24	0.19
17.35	10.04	9.80	0.26	19.95	10.49	10.25	0.19
17.40	10.05	9.81	0.26	20.00	10.50	10.26	0.19
17.45	10.06	9.82	0.25	20.05	10.51	10.27	0.19
17.50	10.07	9.83	0.25	20.10	10.52	10.27	0.19
17.55	10.08	9.84	0.25	20.15	10.52	10.28	0.19
17.60	10.09	9.85	0.25	20.20	10.53	10.29	0.19
17.65	10.10	9.86	0.24	20.25	10.54	10.30	0.19
17.70	10.11	9.87	0.24	20.30	10.55	10.31	0.19
17.75	10.12	9.88	0.24	20.35	10.55	10.31	0.19
17.80	10.13	9.89	0.23	20.40	10.56	10.32	0.19
17.85	10.14	9.90	0.23	20.45	10.57	10.33	0.19
17.90	10.15	9.91	0.23	20.50	10.58	10.34	0.19
17.95	10.16	9.92	0.23	20.55	10.58	10.34	0.19
18.00	10.17	9.92	0.22	20.60	10.59	10.35	0.19
18.05	10.17	9.93	0.22	20.65	10.60	10.36	0.18
18.10	10.18	9.94	0.22	20.70	10.61	10.37	0.18
18.15	10.19	9.95	0.22	20.75	10.61	10.37	0.18

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	10.38	0.18	23.40	10.97	10.73	0.15
20.85	10.63	10.39	0.18	23.45	10.97	10.73	0.15
20.90	10.64	10.39	0.18	23.50	10.98	10.74	0.15
20.95	10.64	10.40	0.18	23.55	10.99	10.74	0.14
21.00	10.65	10.41	0.18	23.60	10.99	10.75	0.14
21.05	10.66	10.42	0.18	23.65	11.00	10.76	0.14
21.10	10.66	10.42	0.18	23.70	11.00	10.76	0.14
21.15	10.67	10.43	0.18	23.75	11.01	10.77	0.14
21.20	10.68	10.44	0.18	23.80	11.01	10.77	0.14
21.25	10.69	10.45	0.18	23.85	11.02	10.78	0.14
21.30	10.69	10.45	0.18	23.90	11.03	10.78	0.14
21.35	10.70	10.46	0.17	23.95	11.03	10.79	0.15
21.40	10.71	10.47	0.17	24.00	**11.04**	**10.80**	0.17
21.45	10.71	10.47	0.17	24.05	11.04	10.80	0.12
21.50	10.72	10.48	0.17	24.10	11.04	10.80	0.03
21.55	10.73	10.49	0.17	24.15	11.04	10.80	0.01
21.60	10.74	10.49	0.17	24.20	11.04	10.80	0.00
21.65	10.74	10.50	0.17	24.25	11.04	10.80	0.00
21.70	10.75	10.51	0.17	24.30	11.04	10.80	0.00
21.75	10.76	10.52	0.17	24.35	11.04	10.80	0.00
21.80	10.76	10.52	0.17	24.40	11.04	10.80	0.00
21.85	10.77	10.53	0.17	24.45	11.04	10.80	0.00
21.90	10.78	10.54	0.17	24.50	11.04	10.80	0.00
21.95	10.78	10.54	0.17	24.55	11.04	10.80	0.00
22.00	10.79	10.55	0.17	24.60	11.04	10.80	0.00
22.05	10.80	10.56	0.16	24.65	11.04	10.80	0.00
22.10	10.80	10.56	0.16	24.70	11.04	10.80	0.00
22.15	10.81	10.57	0.16	24.75	11.04	10.80	0.00
22.20	10.82	10.58	0.16	24.80	11.04	10.80	0.00
22.25	10.82	10.58	0.16	24.85	11.04	10.80	0.00
22.30	10.83	10.59	0.16	24.90	11.04	10.80	0.00
22.35	10.84	10.60	0.16	24.95	11.04	10.80	0.00
22.40	10.84	10.60	0.16	25.00	11.04	10.80	0.00
22.45	10.85	10.61	0.16	25.05	11.04	10.80	0.00
22.50	10.86	10.62	0.16	25.10	11.04	10.80	0.00
22.55	10.86	10.62	0.16	25.15	11.04	10.80	0.00
22.60	10.87	10.63	0.16	25.20	11.04	10.80	0.00
22.65	10.88	10.63	0.16	25.25	11.04	10.80	0.00
22.70	10.88	10.64	0.16	25.30	11.04	10.80	0.00
22.75	10.89	10.65	0.16	25.35	11.04	10.80	0.00
22.80	10.89	10.65	0.15	25.40	11.04	10.80	0.00
22.85	10.90	10.66	0.15	25.45	11.04	10.80	0.00
22.90	10.91	10.67	0.15	25.50	11.04	10.80	0.00
22.95	10.91	10.67	0.15	25.55	11.04	10.80	0.00
23.00	10.92	10.68	0.15	25.60	11.04	10.80	0.00
23.05	10.93	10.68	0.15	25.65	11.04	10.80	0.00
23.10	10.93	10.69	0.15	25.70	11.04	10.80	0.00
23.15	10.94	10.70	0.15	25.75	11.04	10.80	0.00
23.20	10.94	10.70	0.15	25.80	11.04	10.80	0.00
23.25	10.95	10.71	0.15	25.85	11.04	10.80	0.00
23.30	10.96	10.71	0.15	25.90	11.04	10.80	0.00
23.35	10.96	10.72	0.15	25.95	11.04	10.80	0.00

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	10.80	0.00	28.60	11.04	10.80	0.00
26.05	11.04	10.80	0.00	28.65	11.04	10.80	0.00
26.10	11.04	10.80	0.00	28.70	11.04	10.80	0.00
26.15	11.04	10.80	0.00	28.75	11.04	10.80	0.00
26.20	11.04	10.80	0.00	28.80	11.04	10.80	0.00
26.25	11.04	10.80	0.00	28.85	11.04	10.80	0.00
26.30	11.04	10.80	0.00	28.90	11.04	10.80	0.00
26.35	11.04	10.80	0.00	28.95	11.04	10.80	0.00
26.40	11.04	10.80	0.00	29.00	11.04	10.80	0.00
26.45	11.04	10.80	0.00	29.05	11.04	10.80	0.00
26.50	11.04	10.80	0.00	29.10	11.04	10.80	0.00
26.55	11.04	10.80	0.00	29.15	11.04	10.80	0.00
26.60	11.04	10.80	0.00	29.20	11.04	10.80	0.00
26.65	11.04	10.80	0.00	29.25	11.04	10.80	0.00
26.70	11.04	10.80	0.00	29.30	11.04	10.80	0.00
26.75	11.04	10.80	0.00	29.35	11.04	10.80	0.00
26.80	11.04	10.80	0.00	29.40	11.04	10.80	0.00
26.85	11.04	10.80	0.00	29.45	11.04	10.80	0.00
26.90	11.04	10.80	0.00	29.50	11.04	10.80	0.00
26.95	11.04	10.80	0.00	29.55	11.04	10.80	0.00
27.00	11.04	10.80	0.00	29.60	11.04	10.80	0.00
27.05	11.04	10.80	0.00	29.65	11.04	10.80	0.00
27.10	11.04	10.80	0.00	29.70	11.04	10.80	0.00
27.15	11.04	10.80	0.00	29.75	11.04	10.80	0.00
27.20	11.04	10.80	0.00	29.80	11.04	10.80	0.00
27.25	11.04	10.80	0.00	29.85	11.04	10.80	0.00
27.30	11.04	10.80	0.00	29.90	11.04	10.80	0.00
27.35	11.04	10.80	0.00	29.95	11.04	10.80	0.00
27.40	11.04	10.80	0.00	30.00	11.04	10.80	0.00
27.45	11.04	10.80	0.00	30.05	11.04	10.80	0.00
27.50	11.04	10.80	0.00	30.10	11.04	10.80	0.00
27.55	11.04	10.80	0.00	30.15	11.04	10.80	0.00
27.60	11.04	10.80	0.00	30.20	11.04	10.80	0.00
27.65	11.04	10.80	0.00	30.25	11.04	10.80	0.00
27.70	11.04	10.80	0.00	30.30	11.04	10.80	0.00
27.75	11.04	10.80	0.00	30.35	11.04	10.80	0.00
27.80	11.04	10.80	0.00	30.40	11.04	10.80	0.00
27.85	11.04	10.80	0.00	30.45	11.04	10.80	0.00
27.90	11.04	10.80	0.00	30.50	11.04	10.80	0.00
27.95	11.04	10.80	0.00	30.55	11.04	10.80	0.00
28.00	11.04	10.80	0.00	30.60	11.04	10.80	0.00
28.05	11.04	10.80	0.00	30.65	11.04	10.80	0.00
28.10	11.04	10.80	0.00	30.70	11.04	10.80	0.00
28.15	11.04	10.80	0.00	30.75	11.04	10.80	0.00
28.20	11.04	10.80	0.00	30.80	11.04	10.80	0.00
28.25	11.04	10.80	0.00	30.85	11.04	10.80	0.00
28.30	11.04	10.80	0.00	30.90	11.04	10.80	0.00
28.35	11.04	10.80	0.00	30.95	11.04	10.80	0.00
28.40	11.04	10.80	0.00	31.00	11.04	10.80	0.00
28.45	11.04	10.80	0.00	31.05	11.04	10.80	0.00
28.50	11.04	10.80	0.00	31.10	11.04	10.80	0.00
28.55	11.04	10.80	0.00	31.15	11.04	10.80	0.00

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	10.80	0.00	33.80	11.04	10.80	0.00
31.25	11.04	10.80	0.00	33.85	11.04	10.80	0.00
31.30	11.04	10.80	0.00	33.90	11.04	10.80	0.00
31.35	11.04	10.80	0.00	33.95	11.04	10.80	0.00
31.40	11.04	10.80	0.00	34.00	11.04	10.80	0.00
31.45	11.04	10.80	0.00	34.05	11.04	10.80	0.00
31.50	11.04	10.80	0.00	34.10	11.04	10.80	0.00
31.55	11.04	10.80	0.00	34.15	11.04	10.80	0.00
31.60	11.04	10.80	0.00	34.20	11.04	10.80	0.00
31.65	11.04	10.80	0.00	34.25	11.04	10.80	0.00
31.70	11.04	10.80	0.00	34.30	11.04	10.80	0.00
31.75	11.04	10.80	0.00	34.35	11.04	10.80	0.00
31.80	11.04	10.80	0.00	34.40	11.04	10.80	0.00
31.85	11.04	10.80	0.00	34.45	11.04	10.80	0.00
31.90	11.04	10.80	0.00	34.50	11.04	10.80	0.00
31.95	11.04	10.80	0.00	34.55	11.04	10.80	0.00
32.00	11.04	10.80	0.00	34.60	11.04	10.80	0.00
32.05	11.04	10.80	0.00	34.65	11.04	10.80	0.00
32.10	11.04	10.80	0.00	34.70	11.04	10.80	0.00
32.15	11.04	10.80	0.00	34.75	11.04	10.80	0.00
32.20	11.04	10.80	0.00	34.80	11.04	10.80	0.00
32.25	11.04	10.80	0.00	34.85	11.04	10.80	0.00
32.30	11.04	10.80	0.00	34.90	11.04	10.80	0.00
32.35	11.04	10.80	0.00	34.95	11.04	10.80	0.00
32.40	11.04	10.80	0.00	35.00	11.04	10.80	0.00
32.45	11.04	10.80	0.00	35.05	11.04	10.80	0.00
32.50	11.04	10.80	0.00	35.10	11.04	10.80	0.00
32.55	11.04	10.80	0.00	35.15	11.04	10.80	0.00
32.60	11.04	10.80	0.00	35.20	11.04	10.80	0.00
32.65	11.04	10.80	0.00	35.25	11.04	10.80	0.00
32.70	11.04	10.80	0.00	35.30	11.04	10.80	0.00
32.75	11.04	10.80	0.00	35.35	11.04	10.80	0.00
32.80	11.04	10.80	0.00	35.40	11.04	10.80	0.00
32.85	11.04	10.80	0.00	35.45	11.04	10.80	0.00
32.90	11.04	10.80	0.00	35.50	11.04	10.80	0.00
32.95	11.04	10.80	0.00	35.55	11.04	10.80	0.00
33.00	11.04	10.80	0.00	35.60	11.04	10.80	0.00
33.05	11.04	10.80	0.00	35.65	11.04	10.80	0.00
33.10	11.04	10.80	0.00	35.70	11.04	10.80	0.00
33.15	11.04	10.80	0.00	35.75	11.04	10.80	0.00
33.20	11.04	10.80	0.00	35.80	11.04	10.80	0.00
33.25	11.04	10.80	0.00	35.85	11.04	10.80	0.00
33.30	11.04	10.80	0.00	35.90	11.04	10.80	0.00
33.35	11.04	10.80	0.00	35.95	11.04	10.80	0.00
33.40	11.04	10.80	0.00	36.00	11.04	10.80	0.00
33.45	11.04	10.80	0.00	36.05	11.04	10.80	0.00
33.50	11.04	10.80	0.00	36.10	11.04	10.80	0.00
33.55	11.04	10.80	0.00	36.15	11.04	10.80	0.00
33.60	11.04	10.80	0.00	36.20	11.04	10.80	0.00
33.65	11.04	10.80	0.00	36.25	11.04	10.80	0.00
33.70	11.04	10.80	0.00	36.30	11.04	10.80	0.00
33.75	11.04	10.80	0.00	36.35	11.04	10.80	0.00

Hydrograph for Subcatchment 53I: PDA-53 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	10.80	0.00
36.45	11.04	10.80	0.00
36.50	11.04	10.80	0.00
36.55	11.04	10.80	0.00
36.60	11.04	10.80	0.00
36.65	11.04	10.80	0.00
36.70	11.04	10.80	0.00
36.75	11.04	10.80	0.00
36.80	11.04	10.80	0.00
36.85	11.04	10.80	0.00
36.90	11.04	10.80	0.00
36.95	11.04	10.80	0.00
37.00	11.04	10.80	0.00
37.05	11.04	10.80	0.00
37.10	11.04	10.80	0.00
37.15	11.04	10.80	0.00
37.20	11.04	10.80	0.00
37.25	11.04	10.80	0.00
37.30	11.04	10.80	0.00
37.35	11.04	10.80	0.00
37.40	11.04	10.80	0.00
37.45	11.04	10.80	0.00
37.50	11.04	10.80	0.00
37.55	11.04	10.80	0.00
37.60	11.04	10.80	0.00
37.65	11.04	10.80	0.00
37.70	11.04	10.80	0.00
37.75	11.04	10.80	0.00
37.80	11.04	10.80	0.00
37.85	11.04	10.80	0.00
37.90	11.04	10.80	0.00
37.95	11.04	10.80	0.00
38.00	11.04	10.80	0.00
38.05	11.04	10.80	0.00
38.10	11.04	10.80	0.00
38.15	11.04	10.80	0.00
38.20	11.04	10.80	0.00
38.25	11.04	10.80	0.00
38.30	11.04	10.80	0.00
38.35	11.04	10.80	0.00
38.40	11.04	10.80	0.00
38.45	11.04	10.80	0.00
38.50	11.04	10.80	0.00
38.55	11.04	10.80	0.00
38.60	11.04	10.80	0.00
38.65	11.04	10.80	0.00
38.70	11.04	10.80	0.00
38.75	11.04	10.80	0.00
38.80	11.04	10.80	0.00
38.85	11.04	10.80	0.00
38.90	11.04	10.80	0.00
38.95	11.04	10.80	0.00
39.00	11.04	10.80	0.00
39.05	11.04	10.80	0.00
39.10	11.04	10.80	0.00
39.15	11.04	10.80	0.00
39.20	11.04	10.80	0.00
39.25	11.04	10.80	0.00
39.30	11.04	10.80	0.00
39.35	11.04	10.80	0.00
39.40	11.04	10.80	0.00
39.45	11.04	10.80	0.00
39.50	11.04	10.80	0.00
39.55	11.04	10.80	0.00
39.60	11.04	10.80	0.00
39.65	11.04	10.80	0.00
39.70	11.04	10.80	0.00
39.75	11.04	10.80	0.00
39.80	11.04	10.80	0.00
39.85	11.04	10.80	0.00
39.90	11.04	10.80	0.00
39.95	11.04	10.80	0.00
40.00	11.04	10.80	0.00

Summary for Subcatchment 53P: PDA-53 (pervious)

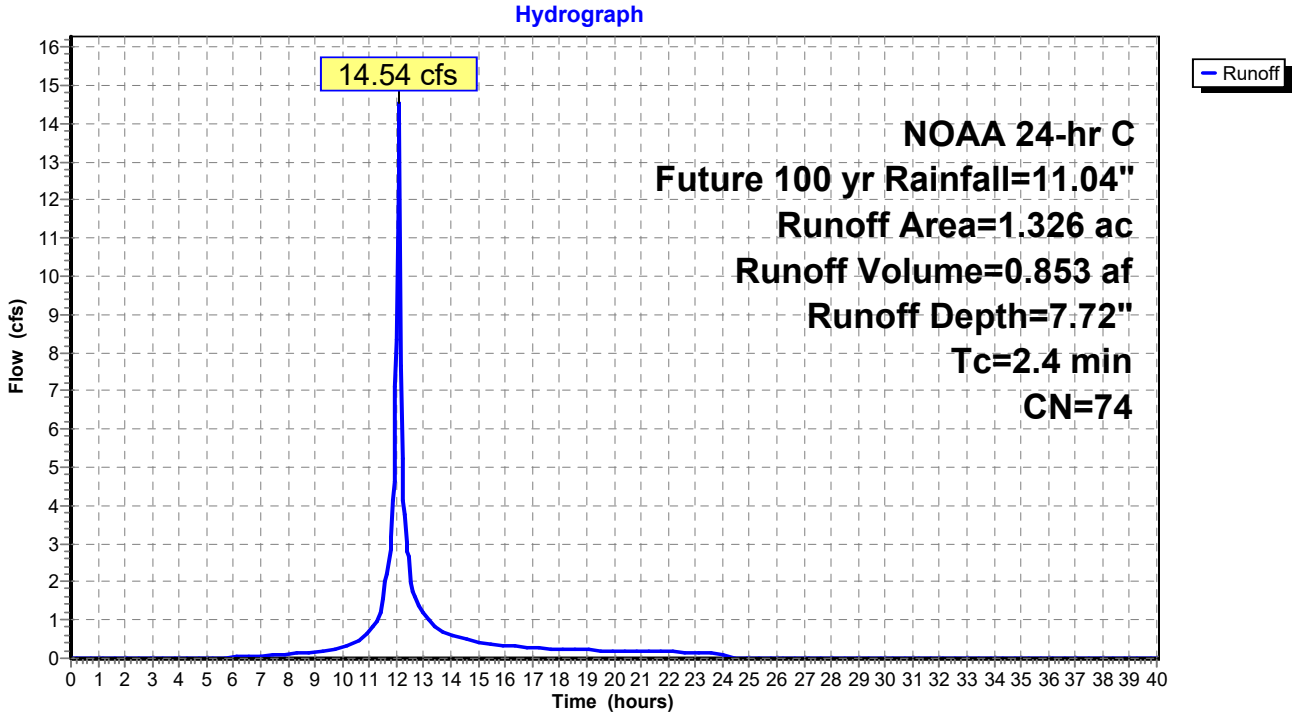
Runoff = 14.54 cfs @ 12.08 hrs, Volume= 0.853 af, Depth= 7.72"
Routed to Pond B-53 : Basin #53

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

Area (ac)	CN	Description
1.326	74	>75% Grass cover, Good, HSG C
1.326		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.4					**Direct Entry,**

Subcatchment 53P: PDA-53 (pervious)



Hydrograph for Subcatchment 53P: PDA-53 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.34	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.35	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.35	0.00	0.00
0.20	0.03	0.00	0.00	2.80	0.36	0.00	0.00
0.25	0.03	0.00	0.00	2.85	0.37	0.00	0.00
0.30	0.04	0.00	0.00	2.90	0.38	0.00	0.00
0.35	0.04	0.00	0.00	2.95	0.38	0.00	0.00
0.40	0.05	0.00	0.00	3.00	0.39	0.00	0.00
0.45	0.05	0.00	0.00	3.05	0.40	0.00	0.00
0.50	0.06	0.00	0.00	3.10	0.40	0.00	0.00
0.55	0.07	0.00	0.00	3.15	0.41	0.00	0.00
0.60	0.07	0.00	0.00	3.20	0.42	0.00	0.00
0.65	0.08	0.00	0.00	3.25	0.43	0.00	0.00
0.70	0.08	0.00	0.00	3.30	0.43	0.00	0.00
0.75	0.09	0.00	0.00	3.35	0.44	0.00	0.00
0.80	0.10	0.00	0.00	3.40	0.45	0.00	0.00
0.85	0.10	0.00	0.00	3.45	0.46	0.00	0.00
0.90	0.11	0.00	0.00	3.50	0.46	0.00	0.00
0.95	0.11	0.00	0.00	3.55	0.47	0.00	0.00
1.00	0.12	0.00	0.00	3.60	0.48	0.00	0.00
1.05	0.13	0.00	0.00	3.65	0.49	0.00	0.00
1.10	0.13	0.00	0.00	3.70	0.49	0.00	0.00
1.15	0.14	0.00	0.00	3.75	0.50	0.00	0.00
1.20	0.15	0.00	0.00	3.80	0.51	0.00	0.00
1.25	0.15	0.00	0.00	3.85	0.52	0.00	0.00
1.30	0.16	0.00	0.00	3.90	0.52	0.00	0.00
1.35	0.16	0.00	0.00	3.95	0.53	0.00	0.00
1.40	0.17	0.00	0.00	4.00	0.54	0.00	0.00
1.45	0.18	0.00	0.00	4.05	0.55	0.00	0.00
1.50	0.18	0.00	0.00	4.10	0.56	0.00	0.00
1.55	0.19	0.00	0.00	4.15	0.56	0.00	0.00
1.60	0.20	0.00	0.00	4.20	0.57	0.00	0.00
1.65	0.20	0.00	0.00	4.25	0.58	0.00	0.00
1.70	0.21	0.00	0.00	4.30	0.59	0.00	0.00
1.75	0.22	0.00	0.00	4.35	0.60	0.00	0.00
1.80	0.22	0.00	0.00	4.40	0.60	0.00	0.00
1.85	0.23	0.00	0.00	4.45	0.61	0.00	0.00
1.90	0.24	0.00	0.00	4.50	0.62	0.00	0.00
1.95	0.24	0.00	0.00	4.55	0.63	0.00	0.00
2.00	0.25	0.00	0.00	4.60	0.64	0.00	0.00
2.05	0.26	0.00	0.00	4.65	0.64	0.00	0.00
2.10	0.26	0.00	0.00	4.70	0.65	0.00	0.00
2.15	0.27	0.00	0.00	4.75	0.66	0.00	0.00
2.20	0.28	0.00	0.00	4.80	0.67	0.00	0.00
2.25	0.28	0.00	0.00	4.85	0.68	0.00	0.00
2.30	0.29	0.00	0.00	4.90	0.69	0.00	0.00
2.35	0.30	0.00	0.00	4.95	0.69	0.00	0.00
2.40	0.30	0.00	0.00	5.00	0.70	0.00	0.00
2.45	0.31	0.00	0.00	5.05	0.71	0.00	0.00
2.50	0.32	0.00	0.00	5.10	0.72	0.00	0.00
2.55	0.33	0.00	0.00	5.15	0.73	0.00	0.00

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.00	0.00	7.80	1.27	0.08	0.09
5.25	0.74	0.00	0.00	7.85	1.28	0.08	0.09
5.30	0.75	0.00	0.01	7.90	1.30	0.09	0.09
5.35	0.76	0.00	0.01	7.95	1.31	0.09	0.10
5.40	0.77	0.00	0.01	8.00	1.32	0.09	0.10
5.45	0.78	0.00	0.01	8.05	1.34	0.10	0.10
5.50	0.79	0.00	0.01	8.10	1.35	0.10	0.10
5.55	0.80	0.00	0.01	8.15	1.36	0.10	0.11
5.60	0.80	0.00	0.01	8.20	1.38	0.11	0.11
5.65	0.81	0.00	0.01	8.25	1.39	0.11	0.11
5.70	0.82	0.00	0.01	8.30	1.40	0.12	0.11
5.75	0.83	0.00	0.02	8.35	1.42	0.12	0.12
5.80	0.84	0.01	0.02	8.40	1.43	0.13	0.12
5.85	0.85	0.01	0.02	8.45	1.45	0.13	0.12
5.90	0.86	0.01	0.02	8.50	1.46	0.13	0.12
5.95	0.87	0.01	0.02	8.55	1.48	0.14	0.13
6.00	0.87	0.01	0.02	8.60	1.49	0.14	0.13
6.05	0.88	0.01	0.02	8.65	1.51	0.15	0.13
6.10	0.89	0.01	0.02	8.70	1.52	0.15	0.13
6.15	0.90	0.01	0.03	8.75	1.54	0.16	0.14
6.20	0.91	0.01	0.03	8.80	1.55	0.16	0.14
6.25	0.92	0.01	0.03	8.85	1.57	0.17	0.14
6.30	0.93	0.01	0.03	8.90	1.58	0.18	0.15
6.35	0.94	0.02	0.03	8.95	1.60	0.18	0.15
6.40	0.95	0.02	0.03	9.00	1.61	0.19	0.15
6.45	0.96	0.02	0.03	9.05	1.63	0.19	0.16
6.50	0.97	0.02	0.04	9.10	1.64	0.20	0.16
6.55	0.98	0.02	0.04	9.15	1.66	0.21	0.17
6.60	0.99	0.02	0.04	9.20	1.68	0.21	0.18
6.65	1.00	0.02	0.04	9.25	1.70	0.22	0.18
6.70	1.01	0.02	0.04	9.30	1.72	0.23	0.19
6.75	1.02	0.03	0.04	9.35	1.73	0.23	0.20
6.80	1.03	0.03	0.05	9.40	1.75	0.24	0.20
6.85	1.04	0.03	0.05	9.45	1.77	0.25	0.21
6.90	1.05	0.03	0.05	9.50	1.79	0.26	0.22
6.95	1.07	0.03	0.05	9.55	1.81	0.27	0.23
7.00	1.08	0.04	0.05	9.60	1.83	0.28	0.23
7.05	1.09	0.04	0.06	9.65	1.85	0.28	0.24
7.10	1.10	0.04	0.06	9.70	1.88	0.29	0.25
7.15	1.11	0.04	0.06	9.75	1.90	0.30	0.26
7.20	1.12	0.04	0.06	9.80	1.92	0.31	0.26
7.25	1.13	0.05	0.06	9.85	1.94	0.32	0.27
7.30	1.15	0.05	0.07	9.90	1.97	0.33	0.28
7.35	1.16	0.05	0.07	9.95	1.99	0.34	0.29
7.40	1.17	0.05	0.07	10.00	2.01	0.36	0.30
7.45	1.18	0.06	0.07	10.05	2.04	0.37	0.31
7.50	1.19	0.06	0.07	10.10	2.06	0.38	0.31
7.55	1.21	0.06	0.08	10.15	2.09	0.39	0.32
7.60	1.22	0.07	0.08	10.20	2.11	0.40	0.33
7.65	1.23	0.07	0.08	10.25	2.14	0.42	0.34
7.70	1.24	0.07	0.08	10.30	2.17	0.43	0.35
7.75	1.26	0.08	0.09	10.35	2.19	0.44	0.36

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	0.46	0.37	13.00	8.39	5.28	1.19
10.45	2.25	0.47	0.38	13.05	8.43	5.32	1.09
10.50	2.28	0.49	0.39	13.10	8.48	5.36	1.06
10.55	2.31	0.50	0.42	13.15	8.52	5.39	1.00
10.60	2.34	0.52	0.44	13.20	8.56	5.43	0.98
10.65	2.37	0.54	0.48	13.25	8.60	5.46	0.93
10.70	2.41	0.56	0.50	13.30	8.63	5.50	0.90
10.75	2.44	0.58	0.54	13.35	8.67	5.53	0.85
10.80	2.48	0.60	0.56	13.40	8.70	5.56	0.83
10.85	2.52	0.62	0.60	13.45	8.73	5.59	0.77
10.90	2.56	0.64	0.62	13.50	8.76	5.61	0.75
10.95	2.61	0.67	0.66	13.55	8.79	5.64	0.70
11.00	2.65	0.69	0.68	13.60	8.82	5.67	0.68
11.05	2.70	0.72	0.76	13.65	8.85	5.69	0.66
11.10	2.75	0.75	0.79	13.70	8.87	5.71	0.66
11.15	2.80	0.79	0.87	13.75	8.90	5.74	0.64
11.20	2.86	0.82	0.91	13.80	8.93	5.76	0.64
11.25	2.92	0.86	0.99	13.85	8.95	5.79	0.62
11.30	2.98	0.90	1.03	13.90	8.98	5.81	0.62
11.35	3.05	0.94	1.12	13.95	9.00	5.83	0.60
11.40	3.12	0.98	1.16	14.00	9.03	5.85	0.60
11.45	3.19	1.03	1.23	14.05	9.05	5.88	0.58
11.50	3.26	1.08	1.29	14.10	9.07	5.90	0.58
11.55	3.37	1.15	1.81	14.15	9.10	5.92	0.57
11.60	3.49	1.23	2.03	14.20	9.12	5.94	0.56
11.65	3.60	1.31	2.14	14.25	9.14	5.96	0.54
11.70	3.72	1.39	2.23	14.30	9.16	5.98	0.54
11.75	3.88	1.51	2.86	14.35	9.19	6.00	0.52
11.80	4.04	1.63	3.17	14.40	9.21	6.02	0.52
11.85	4.27	1.79	4.11	14.45	9.23	6.04	0.51
11.90	4.49	1.96	4.62	14.50	9.25	6.06	0.50
11.95	4.88	2.27	7.13	14.55	9.27	6.07	0.49
12.00	5.26	2.57	8.35	14.60	9.29	6.09	0.48
12.05	5.91	3.11	12.65	14.65	9.31	6.11	0.46
12.10	6.55	3.65	**14.15**	14.70	9.32	6.13	0.46
12.15	6.77	3.85	7.66	14.75	9.34	6.14	0.45
12.20	7.00	4.04	5.25	14.80	9.36	6.16	0.44
12.25	7.16	4.18	4.14	14.85	9.38	6.17	0.43
12.30	7.32	4.32	3.76	14.90	9.40	6.19	0.42
12.35	7.44	4.43	3.03	14.95	9.41	6.21	0.40
12.40	7.55	4.53	2.78	15.00	9.43	6.22	0.40
12.45	7.67	4.63	2.68	15.05	9.44	6.23	0.39
12.50	7.78	4.73	2.62	15.10	9.46	6.25	0.38
12.55	7.85	4.79	1.96	15.15	9.47	6.26	0.38
12.60	7.92	4.86	1.73	15.20	9.49	6.28	0.37
12.65	7.99	4.92	1.64	15.25	9.50	6.29	0.37
12.70	8.06	4.98	1.61	15.30	9.52	6.30	0.37
12.75	8.12	5.03	1.51	15.35	9.53	6.32	0.37
12.80	8.18	5.09	1.47	15.40	9.55	6.33	0.36
12.85	8.24	5.14	1.37	15.45	9.56	6.34	0.36
12.90	8.29	5.19	1.33	15.50	9.58	6.36	0.36
12.95	8.34	5.23	1.23	15.55	9.59	6.37	0.36

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	6.38	0.35	18.20	10.20	6.93	0.22
15.65	9.62	6.40	0.35	18.25	10.21	6.94	0.22
15.70	9.64	6.41	0.35	18.30	10.22	6.95	0.22
15.75	9.65	6.42	0.34	18.35	10.23	6.96	0.22
15.80	9.66	6.44	0.34	18.40	10.24	6.97	0.22
15.85	9.68	6.45	0.34	18.45	10.24	6.97	0.22
15.90	9.69	6.46	0.34	18.50	10.25	6.98	0.21
15.95	9.70	6.47	0.33	18.55	10.26	6.99	0.21
16.00	9.72	6.49	0.33	18.60	10.27	7.00	0.21
16.05	9.73	6.50	0.33	18.65	10.28	7.01	0.21
16.10	9.74	6.51	0.33	18.70	10.29	7.01	0.21
16.15	9.76	6.52	0.32	18.75	10.30	7.02	0.21
16.20	9.77	6.54	0.32	18.80	10.30	7.03	0.21
16.25	9.78	6.55	0.32	18.85	10.31	7.04	0.21
16.30	9.80	6.56	0.32	18.90	10.32	7.04	0.21
16.35	9.81	6.57	0.31	18.95	10.33	7.05	0.21
16.40	9.82	6.58	0.31	19.00	10.34	7.06	0.21
16.45	9.83	6.59	0.31	19.05	10.35	7.07	0.21
16.50	9.85	6.60	0.31	19.10	10.35	7.08	0.21
16.55	9.86	6.62	0.30	19.15	10.36	7.08	0.21
16.60	9.87	6.63	0.30	19.20	10.37	7.09	0.21
16.65	9.88	6.64	0.30	19.25	10.38	7.10	0.20
16.70	9.89	6.65	0.30	19.30	10.39	7.11	0.20
16.75	9.91	6.66	0.29	19.35	10.40	7.11	0.20
16.80	9.92	6.67	0.29	19.40	10.40	7.12	0.20
16.85	9.93	6.68	0.29	19.45	10.41	7.13	0.20
16.90	9.94	6.69	0.28	19.50	10.42	7.14	0.20
16.95	9.95	6.70	0.28	19.55	10.43	7.14	0.20
17.00	9.96	6.71	0.28	19.60	10.44	7.15	0.20
17.05	9.97	6.72	0.28	19.65	10.44	7.16	0.20
17.10	9.99	6.73	0.27	19.70	10.45	7.17	0.20
17.15	10.00	6.74	0.27	19.75	10.46	7.17	0.20
17.20	10.01	6.75	0.27	19.80	10.47	7.18	0.20
17.25	10.02	6.76	0.26	19.85	10.48	7.19	0.20
17.30	10.03	6.77	0.26	19.90	10.48	7.20	0.20
17.35	10.04	6.78	0.26	19.95	10.49	7.20	0.20
17.40	10.05	6.79	0.26	20.00	10.50	7.21	0.19
17.45	10.06	6.80	0.25	20.05	10.51	7.22	0.19
17.50	10.07	6.81	0.25	20.10	10.52	7.23	0.19
17.55	10.08	6.82	0.25	20.15	10.52	7.23	0.19
17.60	10.09	6.83	0.25	20.20	10.53	7.24	0.19
17.65	10.10	6.84	0.24	20.25	10.54	7.25	0.19
17.70	10.11	6.85	0.24	20.30	10.55	7.25	0.19
17.75	10.12	6.86	0.24	20.35	10.55	7.26	0.19
17.80	10.13	6.87	0.24	20.40	10.56	7.27	0.19
17.85	10.14	6.87	0.23	20.45	10.57	7.28	0.19
17.90	10.15	6.88	0.23	20.50	10.58	7.28	0.19
17.95	10.16	6.89	0.23	20.55	10.58	7.29	0.19
18.00	10.17	6.90	0.23	20.60	10.59	7.30	0.19
18.05	10.17	6.91	0.22	20.65	10.60	7.30	0.19
18.10	10.18	6.92	0.22	20.70	10.61	7.31	0.19
18.15	10.19	6.92	0.22	20.75	10.61	7.32	0.18

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	7.32	0.18	23.40	10.97	7.65	0.15
20.85	10.63	7.33	0.18	23.45	10.97	7.65	0.15
20.90	10.64	7.34	0.18	23.50	10.98	7.66	0.15
20.95	10.64	7.34	0.18	23.55	10.99	7.66	0.15
21.00	10.65	7.35	0.18	23.60	10.99	7.67	0.15
21.05	10.66	7.36	0.18	23.65	11.00	7.67	0.15
21.10	10.66	7.36	0.18	23.70	11.00	7.68	0.15
21.15	10.67	7.37	0.18	23.75	11.01	7.69	0.14
21.20	10.68	7.38	0.18	23.80	11.01	7.69	0.14
21.25	10.69	7.38	0.18	23.85	11.02	7.70	0.14
21.30	10.69	7.39	0.18	23.90	11.03	7.70	0.14
21.35	10.70	7.40	0.18	23.95	11.03	7.71	0.17
21.40	10.71	7.40	0.18	24.00	**11.04**	**7.72**	0.17
21.45	10.71	7.41	0.18	24.05	11.04	7.72	0.05
21.50	10.72	7.42	0.17	24.10	11.04	7.72	0.00
21.55	10.73	7.42	0.17	24.15	11.04	7.72	0.00
21.60	10.74	7.43	0.17	24.20	11.04	7.72	0.00
21.65	10.74	7.44	0.17	24.25	11.04	7.72	0.00
21.70	10.75	7.44	0.17	24.30	11.04	7.72	0.00
21.75	10.76	7.45	0.17	24.35	11.04	7.72	0.00
21.80	10.76	7.46	0.17	24.40	11.04	7.72	0.00
21.85	10.77	7.46	0.17	24.45	11.04	7.72	0.00
21.90	10.78	7.47	0.17	24.50	11.04	7.72	0.00
21.95	10.78	7.48	0.17	24.55	11.04	7.72	0.00
22.00	10.79	7.48	0.17	24.60	11.04	7.72	0.00
22.05	10.80	7.49	0.17	24.65	11.04	7.72	0.00
22.10	10.80	7.49	0.17	24.70	11.04	7.72	0.00
22.15	10.81	7.50	0.17	24.75	11.04	7.72	0.00
22.20	10.82	7.51	0.17	24.80	11.04	7.72	0.00
22.25	10.82	7.51	0.16	24.85	11.04	7.72	0.00
22.30	10.83	7.52	0.16	24.90	11.04	7.72	0.00
22.35	10.84	7.53	0.16	24.95	11.04	7.72	0.00
22.40	10.84	7.53	0.16	25.00	11.04	7.72	0.00
22.45	10.85	7.54	0.16	25.05	11.04	7.72	0.00
22.50	10.86	7.54	0.16	25.10	11.04	7.72	0.00
22.55	10.86	7.55	0.16	25.15	11.04	7.72	0.00
22.60	10.87	7.56	0.16	25.20	11.04	7.72	0.00
22.65	10.88	7.56	0.16	25.25	11.04	7.72	0.00
22.70	10.88	7.57	0.16	25.30	11.04	7.72	0.00
22.75	10.89	7.57	0.16	25.35	11.04	7.72	0.00
22.80	10.89	7.58	0.16	25.40	11.04	7.72	0.00
22.85	10.90	7.58	0.16	25.45	11.04	7.72	0.00
22.90	10.91	7.59	0.16	25.50	11.04	7.72	0.00
22.95	10.91	7.60	0.16	25.55	11.04	7.72	0.00
23.00	10.92	7.60	0.16	25.60	11.04	7.72	0.00
23.05	10.93	7.61	0.15	25.65	11.04	7.72	0.00
23.10	10.93	7.61	0.15	25.70	11.04	7.72	0.00
23.15	10.94	7.62	0.15	25.75	11.04	7.72	0.00
23.20	10.94	7.63	0.15	25.80	11.04	7.72	0.00
23.25	10.95	7.63	0.15	25.85	11.04	7.72	0.00
23.30	10.96	7.64	0.15	25.90	11.04	7.72	0.00
23.35	10.96	7.64	0.15	25.95	11.04	7.72	0.00

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	7.72	0.00	28.60	11.04	7.72	0.00
26.05	11.04	7.72	0.00	28.65	11.04	7.72	0.00
26.10	11.04	7.72	0.00	28.70	11.04	7.72	0.00
26.15	11.04	7.72	0.00	28.75	11.04	7.72	0.00
26.20	11.04	7.72	0.00	28.80	11.04	7.72	0.00
26.25	11.04	7.72	0.00	28.85	11.04	7.72	0.00
26.30	11.04	7.72	0.00	28.90	11.04	7.72	0.00
26.35	11.04	7.72	0.00	28.95	11.04	7.72	0.00
26.40	11.04	7.72	0.00	29.00	11.04	7.72	0.00
26.45	11.04	7.72	0.00	29.05	11.04	7.72	0.00
26.50	11.04	7.72	0.00	29.10	11.04	7.72	0.00
26.55	11.04	7.72	0.00	29.15	11.04	7.72	0.00
26.60	11.04	7.72	0.00	29.20	11.04	7.72	0.00
26.65	11.04	7.72	0.00	29.25	11.04	7.72	0.00
26.70	11.04	7.72	0.00	29.30	11.04	7.72	0.00
26.75	11.04	7.72	0.00	29.35	11.04	7.72	0.00
26.80	11.04	7.72	0.00	29.40	11.04	7.72	0.00
26.85	11.04	7.72	0.00	29.45	11.04	7.72	0.00
26.90	11.04	7.72	0.00	29.50	11.04	7.72	0.00
26.95	11.04	7.72	0.00	29.55	11.04	7.72	0.00
27.00	11.04	7.72	0.00	29.60	11.04	7.72	0.00
27.05	11.04	7.72	0.00	29.65	11.04	7.72	0.00
27.10	11.04	7.72	0.00	29.70	11.04	7.72	0.00
27.15	11.04	7.72	0.00	29.75	11.04	7.72	0.00
27.20	11.04	7.72	0.00	29.80	11.04	7.72	0.00
27.25	11.04	7.72	0.00	29.85	11.04	7.72	0.00
27.30	11.04	7.72	0.00	29.90	11.04	7.72	0.00
27.35	11.04	7.72	0.00	29.95	11.04	7.72	0.00
27.40	11.04	7.72	0.00	30.00	11.04	7.72	0.00
27.45	11.04	7.72	0.00	30.05	11.04	7.72	0.00
27.50	11.04	7.72	0.00	30.10	11.04	7.72	0.00
27.55	11.04	7.72	0.00	30.15	11.04	7.72	0.00
27.60	11.04	7.72	0.00	30.20	11.04	7.72	0.00
27.65	11.04	7.72	0.00	30.25	11.04	7.72	0.00
27.70	11.04	7.72	0.00	30.30	11.04	7.72	0.00
27.75	11.04	7.72	0.00	30.35	11.04	7.72	0.00
27.80	11.04	7.72	0.00	30.40	11.04	7.72	0.00
27.85	11.04	7.72	0.00	30.45	11.04	7.72	0.00
27.90	11.04	7.72	0.00	30.50	11.04	7.72	0.00
27.95	11.04	7.72	0.00	30.55	11.04	7.72	0.00
28.00	11.04	7.72	0.00	30.60	11.04	7.72	0.00
28.05	11.04	7.72	0.00	30.65	11.04	7.72	0.00
28.10	11.04	7.72	0.00	30.70	11.04	7.72	0.00
28.15	11.04	7.72	0.00	30.75	11.04	7.72	0.00
28.20	11.04	7.72	0.00	30.80	11.04	7.72	0.00
28.25	11.04	7.72	0.00	30.85	11.04	7.72	0.00
28.30	11.04	7.72	0.00	30.90	11.04	7.72	0.00
28.35	11.04	7.72	0.00	30.95	11.04	7.72	0.00
28.40	11.04	7.72	0.00	31.00	11.04	7.72	0.00
28.45	11.04	7.72	0.00	31.05	11.04	7.72	0.00
28.50	11.04	7.72	0.00	31.10	11.04	7.72	0.00
28.55	11.04	7.72	0.00	31.15	11.04	7.72	0.00

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	7.72	0.00	33.80	11.04	7.72	0.00
31.25	11.04	7.72	0.00	33.85	11.04	7.72	0.00
31.30	11.04	7.72	0.00	33.90	11.04	7.72	0.00
31.35	11.04	7.72	0.00	33.95	11.04	7.72	0.00
31.40	11.04	7.72	0.00	34.00	11.04	7.72	0.00
31.45	11.04	7.72	0.00	34.05	11.04	7.72	0.00
31.50	11.04	7.72	0.00	34.10	11.04	7.72	0.00
31.55	11.04	7.72	0.00	34.15	11.04	7.72	0.00
31.60	11.04	7.72	0.00	34.20	11.04	7.72	0.00
31.65	11.04	7.72	0.00	34.25	11.04	7.72	0.00
31.70	11.04	7.72	0.00	34.30	11.04	7.72	0.00
31.75	11.04	7.72	0.00	34.35	11.04	7.72	0.00
31.80	11.04	7.72	0.00	34.40	11.04	7.72	0.00
31.85	11.04	7.72	0.00	34.45	11.04	7.72	0.00
31.90	11.04	7.72	0.00	34.50	11.04	7.72	0.00
31.95	11.04	7.72	0.00	34.55	11.04	7.72	0.00
32.00	11.04	7.72	0.00	34.60	11.04	7.72	0.00
32.05	11.04	7.72	0.00	34.65	11.04	7.72	0.00
32.10	11.04	7.72	0.00	34.70	11.04	7.72	0.00
32.15	11.04	7.72	0.00	34.75	11.04	7.72	0.00
32.20	11.04	7.72	0.00	34.80	11.04	7.72	0.00
32.25	11.04	7.72	0.00	34.85	11.04	7.72	0.00
32.30	11.04	7.72	0.00	34.90	11.04	7.72	0.00
32.35	11.04	7.72	0.00	34.95	11.04	7.72	0.00
32.40	11.04	7.72	0.00	35.00	11.04	7.72	0.00
32.45	11.04	7.72	0.00	35.05	11.04	7.72	0.00
32.50	11.04	7.72	0.00	35.10	11.04	7.72	0.00
32.55	11.04	7.72	0.00	35.15	11.04	7.72	0.00
32.60	11.04	7.72	0.00	35.20	11.04	7.72	0.00
32.65	11.04	7.72	0.00	35.25	11.04	7.72	0.00
32.70	11.04	7.72	0.00	35.30	11.04	7.72	0.00
32.75	11.04	7.72	0.00	35.35	11.04	7.72	0.00
32.80	11.04	7.72	0.00	35.40	11.04	7.72	0.00
32.85	11.04	7.72	0.00	35.45	11.04	7.72	0.00
32.90	11.04	7.72	0.00	35.50	11.04	7.72	0.00
32.95	11.04	7.72	0.00	35.55	11.04	7.72	0.00
33.00	11.04	7.72	0.00	35.60	11.04	7.72	0.00
33.05	11.04	7.72	0.00	35.65	11.04	7.72	0.00
33.10	11.04	7.72	0.00	35.70	11.04	7.72	0.00
33.15	11.04	7.72	0.00	35.75	11.04	7.72	0.00
33.20	11.04	7.72	0.00	35.80	11.04	7.72	0.00
33.25	11.04	7.72	0.00	35.85	11.04	7.72	0.00
33.30	11.04	7.72	0.00	35.90	11.04	7.72	0.00
33.35	11.04	7.72	0.00	35.95	11.04	7.72	0.00
33.40	11.04	7.72	0.00	36.00	11.04	7.72	0.00
33.45	11.04	7.72	0.00	36.05	11.04	7.72	0.00
33.50	11.04	7.72	0.00	36.10	11.04	7.72	0.00
33.55	11.04	7.72	0.00	36.15	11.04	7.72	0.00
33.60	11.04	7.72	0.00	36.20	11.04	7.72	0.00
33.65	11.04	7.72	0.00	36.25	11.04	7.72	0.00
33.70	11.04	7.72	0.00	36.30	11.04	7.72	0.00
33.75	11.04	7.72	0.00	36.35	11.04	7.72	0.00

Hydrograph for Subcatchment 53P: PDA-53 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	7.72	0.00
36.45	11.04	7.72	0.00
36.50	11.04	7.72	0.00
36.55	11.04	7.72	0.00
36.60	11.04	7.72	0.00
36.65	11.04	7.72	0.00
36.70	11.04	7.72	0.00
36.75	11.04	7.72	0.00
36.80	11.04	7.72	0.00
36.85	11.04	7.72	0.00
36.90	11.04	7.72	0.00
36.95	11.04	7.72	0.00
37.00	11.04	7.72	0.00
37.05	11.04	7.72	0.00
37.10	11.04	7.72	0.00
37.15	11.04	7.72	0.00
37.20	11.04	7.72	0.00
37.25	11.04	7.72	0.00
37.30	11.04	7.72	0.00
37.35	11.04	7.72	0.00
37.40	11.04	7.72	0.00
37.45	11.04	7.72	0.00
37.50	11.04	7.72	0.00
37.55	11.04	7.72	0.00
37.60	11.04	7.72	0.00
37.65	11.04	7.72	0.00
37.70	11.04	7.72	0.00
37.75	11.04	7.72	0.00
37.80	11.04	7.72	0.00
37.85	11.04	7.72	0.00
37.90	11.04	7.72	0.00
37.95	11.04	7.72	0.00
38.00	11.04	7.72	0.00
38.05	11.04	7.72	0.00
38.10	11.04	7.72	0.00
38.15	11.04	7.72	0.00
38.20	11.04	7.72	0.00
38.25	11.04	7.72	0.00
38.30	11.04	7.72	0.00
38.35	11.04	7.72	0.00
38.40	11.04	7.72	0.00
38.45	11.04	7.72	0.00
38.50	11.04	7.72	0.00
38.55	11.04	7.72	0.00
38.60	11.04	7.72	0.00
38.65	11.04	7.72	0.00
38.70	11.04	7.72	0.00
38.75	11.04	7.72	0.00
38.80	11.04	7.72	0.00
38.85	11.04	7.72	0.00
38.90	11.04	7.72	0.00
38.95	11.04	7.72	0.00
39.00	11.04	7.72	0.00
39.05	11.04	7.72	0.00
39.10	11.04	7.72	0.00
39.15	11.04	7.72	0.00
39.20	11.04	7.72	0.00
39.25	11.04	7.72	0.00
39.30	11.04	7.72	0.00
39.35	11.04	7.72	0.00
39.40	11.04	7.72	0.00
39.45	11.04	7.72	0.00
39.50	11.04	7.72	0.00
39.55	11.04	7.72	0.00
39.60	11.04	7.72	0.00
39.65	11.04	7.72	0.00
39.70	11.04	7.72	0.00
39.75	11.04	7.72	0.00
39.80	11.04	7.72	0.00
39.85	11.04	7.72	0.00
39.90	11.04	7.72	0.00
39.95	11.04	7.72	0.00
40.00	11.04	7.72	0.00

Summary for Subcatchment 54l: PDA-54 (impervious)

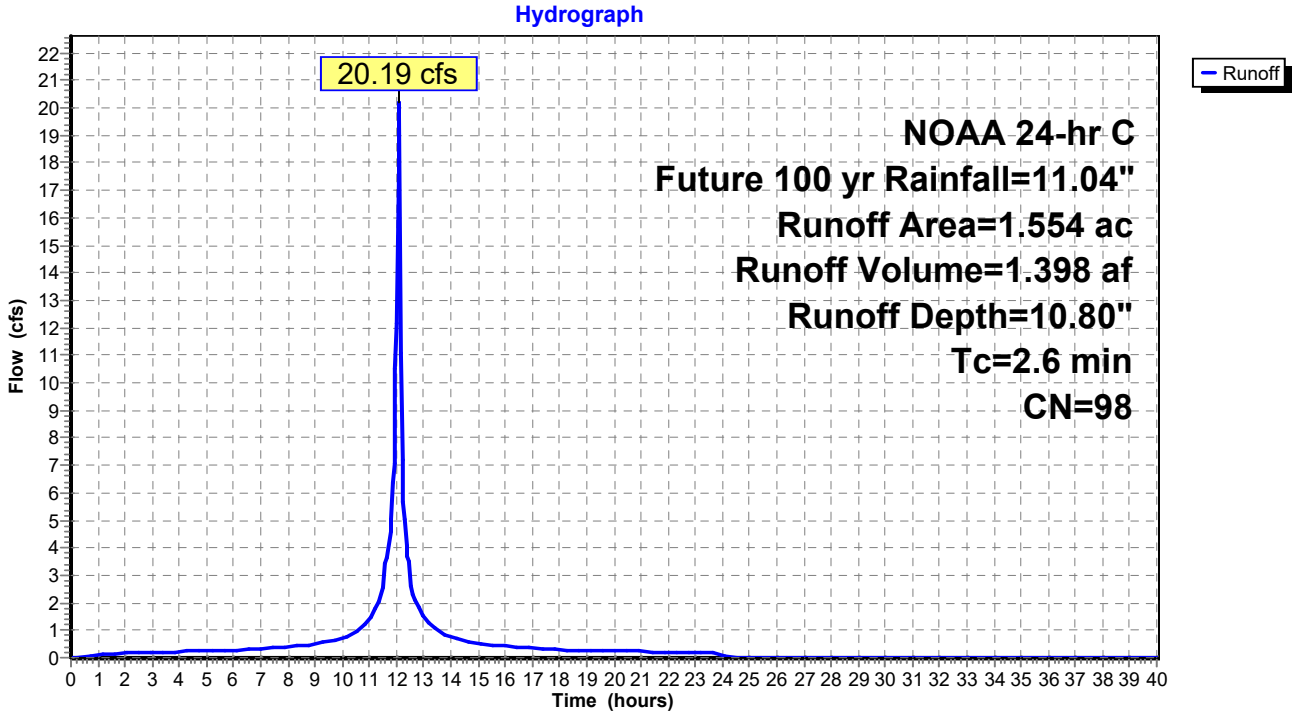
Runoff = 20.19 cfs @ 12.08 hrs, Volume= 1.398 af, Depth=10.80"
Routed to Pond B-54 : Basin #54

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

	Area (ac)	CN	Description
*	0.983	98	Pavement, HSG C
*	0.361	98	Roof, HSG C
*	0.210	98	Concrete, HSG C
	1.554	98	Weighted Average
	1.554		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.6					**Direct Entry,**

Subcatchment 54l: PDA-54 (impervious)



Hydrograph for Subcatchment 54I: PDA-54 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.17	0.18
0.05	0.01	0.00	0.00	2.65	0.34	0.18	0.18
0.10	0.01	0.00	0.00	2.70	0.35	0.18	0.19
0.15	0.02	0.00	0.00	2.75	0.35	0.19	0.19
0.20	0.03	0.00	0.00	2.80	0.36	0.20	0.19
0.25	0.03	0.00	0.00	2.85	0.37	0.20	0.19
0.30	0.04	0.00	0.00	2.90	0.38	0.21	0.19
0.35	0.04	0.00	0.00	2.95	0.38	0.21	0.19
0.40	0.05	0.00	0.01	3.00	0.39	0.22	0.20
0.45	0.05	0.00	0.02	3.05	0.40	0.23	0.20
0.50	0.06	0.00	0.02	3.10	0.40	0.23	0.20
0.55	0.07	0.00	0.03	3.15	0.41	0.24	0.20
0.60	0.07	0.00	0.04	3.20	0.42	0.25	0.20
0.65	0.08	0.01	0.05	3.25	0.43	0.25	0.20
0.70	0.08	0.01	0.06	3.30	0.43	0.26	0.20
0.75	0.09	0.01	0.06	3.35	0.44	0.27	0.21
0.80	0.10	0.01	0.07	3.40	0.45	0.27	0.21
0.85	0.10	0.01	0.07	3.45	0.46	0.28	0.21
0.90	0.11	0.02	0.08	3.50	0.46	0.29	0.21
0.95	0.11	0.02	0.08	3.55	0.47	0.29	0.21
1.00	0.12	0.02	0.09	3.60	0.48	0.30	0.21
1.05	0.13	0.03	0.09	3.65	0.49	0.31	0.21
1.10	0.13	0.03	0.10	3.70	0.49	0.31	0.22
1.15	0.14	0.03	0.10	3.75	0.50	0.32	0.22
1.20	0.15	0.04	0.11	3.80	0.51	0.33	0.22
1.25	0.15	0.04	0.11	3.85	0.52	0.33	0.22
1.30	0.16	0.04	0.12	3.90	0.52	0.34	0.22
1.35	0.16	0.05	0.12	3.95	0.53	0.35	0.22
1.40	0.17	0.05	0.12	4.00	0.54	0.35	0.22
1.45	0.18	0.05	0.13	4.05	0.55	0.36	0.22
1.50	0.18	0.06	0.13	4.10	0.56	0.37	0.23
1.55	0.19	0.06	0.13	4.15	0.56	0.38	0.23
1.60	0.20	0.07	0.14	4.20	0.57	0.38	0.23
1.65	0.20	0.07	0.14	4.25	0.58	0.39	0.23
1.70	0.21	0.08	0.14	4.30	0.59	0.40	0.23
1.75	0.22	0.08	0.14	4.35	0.60	0.41	0.23
1.80	0.22	0.09	0.15	4.40	0.60	0.41	0.23
1.85	0.23	0.09	0.15	4.45	0.61	0.42	0.23
1.90	0.24	0.10	0.15	4.50	0.62	0.43	0.24
1.95	0.24	0.10	0.16	4.55	0.63	0.44	0.24
2.00	0.25	0.11	0.16	4.60	0.64	0.44	0.24
2.05	0.26	0.11	0.16	4.65	0.64	0.45	0.24
2.10	0.26	0.12	0.16	4.70	0.65	0.46	0.24
2.15	0.27	0.12	0.16	4.75	0.66	0.47	0.24
2.20	0.28	0.13	0.17	4.80	0.67	0.47	0.24
2.25	0.28	0.13	0.17	4.85	0.68	0.48	0.24
2.30	0.29	0.14	0.17	4.90	0.69	0.49	0.24
2.35	0.30	0.14	0.17	4.95	0.69	0.50	0.25
2.40	0.30	0.15	0.17	5.00	0.70	0.51	0.25
2.45	0.31	0.15	0.18	5.05	0.71	0.51	0.25
2.50	0.32	0.16	0.18	5.10	0.72	0.52	0.25
2.55	0.33	0.17	0.18	5.15	0.73	0.53	0.25

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.54	0.25	7.80	1.27	1.05	0.39
5.25	0.74	0.55	0.25	7.85	1.28	1.07	0.40
5.30	0.75	0.55	0.25	7.90	1.30	1.08	0.40
5.35	0.76	0.56	0.25	7.95	1.31	1.09	0.41
5.40	0.77	0.57	0.26	8.00	1.32	1.11	0.41
5.45	0.78	0.58	0.26	8.05	1.34	1.12	0.41
5.50	0.79	0.59	0.26	8.10	1.35	1.13	0.41
5.55	0.80	0.59	0.26	8.15	1.36	1.15	0.42
5.60	0.80	0.60	0.26	8.20	1.38	1.16	0.42
5.65	0.81	0.61	0.26	8.25	1.39	1.17	0.43
5.70	0.82	0.62	0.26	8.30	1.40	1.19	0.43
5.75	0.83	0.63	0.26	8.35	1.42	1.20	0.43
5.80	0.84	0.64	0.26	8.40	1.43	1.21	0.44
5.85	0.85	0.64	0.26	8.45	1.45	1.23	0.44
5.90	0.86	0.65	0.27	8.50	1.46	1.24	0.44
5.95	0.87	0.66	0.27	8.55	1.48	1.26	0.45
6.00	0.87	0.67	0.27	8.60	1.49	1.27	0.45
6.05	0.88	0.68	0.27	8.65	1.51	1.29	0.46
6.10	0.89	0.69	0.27	8.70	1.52	1.30	0.46
6.15	0.90	0.70	0.28	8.75	1.54	1.32	0.46
6.20	0.91	0.71	0.28	8.80	1.55	1.33	0.46
6.25	0.92	0.71	0.29	8.85	1.57	1.35	0.47
6.30	0.93	0.72	0.29	8.90	1.58	1.36	0.47
6.35	0.94	0.73	0.29	8.95	1.60	1.38	0.48
6.40	0.95	0.74	0.30	9.00	1.61	1.39	0.48
6.45	0.96	0.75	0.30	9.05	1.63	1.41	0.50
6.50	0.97	0.76	0.30	9.10	1.64	1.42	0.50
6.55	0.98	0.77	0.31	9.15	1.66	1.44	0.52
6.60	0.99	0.78	0.31	9.20	1.68	1.46	0.53
6.65	1.00	0.79	0.31	9.25	1.70	1.47	0.55
6.70	1.01	0.80	0.32	9.30	1.72	1.49	0.56
6.75	1.02	0.81	0.32	9.35	1.73	1.51	0.57
6.80	1.03	0.82	0.32	9.40	1.75	1.53	0.58
6.85	1.04	0.83	0.33	9.45	1.77	1.55	0.60
6.90	1.05	0.84	0.33	9.50	1.79	1.57	0.61
6.95	1.07	0.85	0.34	9.55	1.81	1.59	0.63
7.00	1.08	0.87	0.34	9.60	1.83	1.61	0.64
7.05	1.09	0.88	0.34	9.65	1.85	1.63	0.65
7.10	1.10	0.89	0.35	9.70	1.88	1.65	0.66
7.15	1.11	0.90	0.35	9.75	1.90	1.67	0.68
7.20	1.12	0.91	0.35	9.80	1.92	1.69	0.69
7.25	1.13	0.92	0.36	9.85	1.94	1.72	0.70
7.30	1.15	0.93	0.36	9.90	1.97	1.74	0.71
7.35	1.16	0.94	0.36	9.95	1.99	1.76	0.73
7.40	1.17	0.96	0.37	10.00	2.01	1.79	0.74
7.45	1.18	0.97	0.37	10.05	2.04	1.81	0.76
7.50	1.19	0.98	0.37	10.10	2.06	1.84	0.76
7.55	1.21	0.99	0.38	10.15	2.09	1.86	0.78
7.60	1.22	1.00	0.38	10.20	2.11	1.89	0.79
7.65	1.23	1.02	0.38	10.25	2.14	1.91	0.81
7.70	1.24	1.03	0.39	10.30	2.17	1.94	0.82
7.75	1.26	1.04	0.39	10.35	2.19	1.97	0.83

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	1.99	0.84	13.00	8.39	8.15	1.55
10.45	2.25	2.02	0.86	13.05	8.43	8.19	1.43
10.50	2.28	2.05	0.87	13.10	8.48	8.24	1.37
10.55	2.31	2.08	0.94	13.15	8.52	8.28	1.30
10.60	2.34	2.11	0.97	13.20	8.56	8.32	1.27
10.65	2.37	2.14	1.03	13.25	8.60	8.36	1.20
10.70	2.41	2.18	1.07	13.30	8.63	8.39	1.17
10.75	2.44	2.21	1.13	13.35	8.67	8.43	1.10
10.80	2.48	2.25	1.17	13.40	8.70	8.46	1.07
10.85	2.52	2.29	1.23	13.45	8.73	8.49	1.00
10.90	2.56	2.33	1.27	13.50	8.76	8.52	0.97
10.95	2.61	2.38	1.33	13.55	8.79	8.55	0.91
11.00	2.65	2.42	1.37	13.60	8.82	8.58	0.88
11.05	2.70	2.47	1.49	13.65	8.85	8.61	0.86
11.10	2.75	2.52	1.55	13.70	8.87	8.63	0.85
11.15	2.80	2.57	1.68	13.75	8.90	8.66	0.83
11.20	2.86	2.63	1.74	13.80	8.93	8.69	0.82
11.25	2.92	2.69	1.86	13.85	8.95	8.71	0.80
11.30	2.98	2.75	1.92	13.90	8.98	8.74	0.80
11.35	3.05	2.82	2.05	13.95	9.00	8.76	0.78
11.40	3.12	2.89	2.11	14.00	9.03	8.79	0.77
11.45	3.19	2.96	2.21	14.05	9.05	8.81	0.75
11.50	3.26	3.03	2.28	14.10	9.07	8.83	0.74
11.55	3.37	3.14	3.10	14.15	9.10	8.86	0.73
11.60	3.49	3.25	3.47	14.20	9.12	8.88	0.72
11.65	3.60	3.37	3.61	14.25	9.14	8.90	0.70
11.70	3.72	3.49	3.70	14.30	9.16	8.92	0.69
11.75	3.88	3.65	4.61	14.35	9.19	8.95	0.67
11.80	4.04	3.81	5.06	14.40	9.21	8.97	0.67
11.85	4.27	4.03	6.38	14.45	9.23	8.99	0.65
11.90	4.49	4.25	7.09	14.50	9.25	9.01	0.64
11.95	4.88	4.64	10.49	14.55	9.27	9.03	0.62
12.00	5.26	5.02	12.18	14.60	9.29	9.05	0.61
12.05	5.91	5.67	17.66	14.65	9.31	9.07	0.60
12.10	6.55	6.31	**19.69**	14.70	9.32	9.08	0.59
12.15	6.77	6.53	11.09	14.75	9.34	9.10	0.57
12.20	7.00	6.76	7.19	14.80	9.36	9.12	0.56
12.25	7.16	6.92	5.66	14.85	9.38	9.14	0.54
12.30	7.32	7.08	5.05	14.90	9.40	9.15	0.54
12.35	7.44	7.20	4.10	14.95	9.41	9.17	0.52
12.40	7.55	7.31	3.70	15.00	9.43	9.19	0.51
12.45	7.67	7.43	3.55	15.05	9.44	9.20	0.49
12.50	7.78	7.54	3.47	15.10	9.46	9.22	0.49
12.55	7.85	7.61	2.64	15.15	9.47	9.23	0.48
12.60	7.92	7.68	2.28	15.20	9.49	9.25	0.48
12.65	7.99	7.75	2.16	15.25	9.50	9.26	0.47
12.70	8.06	7.82	2.11	15.30	9.52	9.28	0.47
12.75	8.12	7.88	1.99	15.35	9.53	9.29	0.47
12.80	8.18	7.94	1.93	15.40	9.55	9.31	0.47
12.85	8.24	8.00	1.80	15.45	9.56	9.32	0.46
12.90	8.29	8.05	1.74	15.50	9.58	9.34	0.46
12.95	8.34	8.10	1.61	15.55	9.59	9.35	0.45

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	9.37	0.45	18.20	10.20	9.96	0.28
15.65	9.62	9.38	0.45	18.25	10.21	9.97	0.28
15.70	9.64	9.39	0.44	18.30	10.22	9.98	0.27
15.75	9.65	9.41	0.44	18.35	10.23	9.99	0.27
15.80	9.66	9.42	0.44	18.40	10.24	9.99	0.27
15.85	9.68	9.44	0.43	18.45	10.24	10.00	0.27
15.90	9.69	9.45	0.43	18.50	10.25	10.01	0.27
15.95	9.70	9.46	0.42	18.55	10.26	10.02	0.27
16.00	9.72	9.48	0.42	18.60	10.27	10.03	0.27
16.05	9.73	9.49	0.42	18.65	10.28	10.04	0.27
16.10	9.74	9.50	0.42	18.70	10.29	10.05	0.27
16.15	9.76	9.52	0.41	18.75	10.30	10.05	0.27
16.20	9.77	9.53	0.41	18.80	10.30	10.06	0.27
16.25	9.78	9.54	0.40	18.85	10.31	10.07	0.27
16.30	9.80	9.55	0.40	18.90	10.32	10.08	0.26
16.35	9.81	9.57	0.40	18.95	10.33	10.09	0.26
16.40	9.82	9.58	0.40	19.00	10.34	10.10	0.26
16.45	9.83	9.59	0.39	19.05	10.35	10.11	0.26
16.50	9.85	9.60	0.39	19.10	10.35	10.11	0.26
16.55	9.86	9.62	0.38	19.15	10.36	10.12	0.26
16.60	9.87	9.63	0.38	19.20	10.37	10.13	0.26
16.65	9.88	9.64	0.38	19.25	10.38	10.14	0.26
16.70	9.89	9.65	0.38	19.30	10.39	10.15	0.26
16.75	9.91	9.66	0.37	19.35	10.40	10.15	0.26
16.80	9.92	9.68	0.37	19.40	10.40	10.16	0.26
16.85	9.93	9.69	0.36	19.45	10.41	10.17	0.25
16.90	9.94	9.70	0.36	19.50	10.42	10.18	0.25
16.95	9.95	9.71	0.36	19.55	10.43	10.19	0.25
17.00	9.96	9.72	0.35	19.60	10.44	10.20	0.25
17.05	9.97	9.73	0.35	19.65	10.44	10.20	0.25
17.10	9.99	9.74	0.35	19.70	10.45	10.21	0.25
17.15	10.00	9.76	0.34	19.75	10.46	10.22	0.25
17.20	10.01	9.77	0.34	19.80	10.47	10.23	0.25
17.25	10.02	9.78	0.33	19.85	10.48	10.24	0.25
17.30	10.03	9.79	0.33	19.90	10.48	10.24	0.25
17.35	10.04	9.80	0.33	19.95	10.49	10.25	0.25
17.40	10.05	9.81	0.33	20.00	10.50	10.26	0.25
17.45	10.06	9.82	0.32	20.05	10.51	10.27	0.24
17.50	10.07	9.83	0.32	20.10	10.52	10.27	0.24
17.55	10.08	9.84	0.32	20.15	10.52	10.28	0.24
17.60	10.09	9.85	0.31	20.20	10.53	10.29	0.24
17.65	10.10	9.86	0.31	20.25	10.54	10.30	0.24
17.70	10.11	9.87	0.31	20.30	10.55	10.31	0.24
17.75	10.12	9.88	0.30	20.35	10.55	10.31	0.24
17.80	10.13	9.89	0.30	20.40	10.56	10.32	0.24
17.85	10.14	9.90	0.29	20.45	10.57	10.33	0.24
17.90	10.15	9.91	0.29	20.50	10.58	10.34	0.24
17.95	10.16	9.92	0.29	20.55	10.58	10.34	0.24
18.00	10.17	9.92	0.29	20.60	10.59	10.35	0.24
18.05	10.17	9.93	0.28	20.65	10.60	10.36	0.23
18.10	10.18	9.94	0.28	20.70	10.61	10.37	0.23
18.15	10.19	9.95	0.28	20.75	10.61	10.37	0.23

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	10.38	0.23	23.40	10.97	10.73	0.19
20.85	10.63	10.39	0.23	23.45	10.97	10.73	0.19
20.90	10.64	10.39	0.23	23.50	10.98	10.74	0.19
20.95	10.64	10.40	0.23	23.55	10.99	10.74	0.18
21.00	10.65	10.41	0.23	23.60	10.99	10.75	0.18
21.05	10.66	10.42	0.23	23.65	11.00	10.76	0.18
21.10	10.66	10.42	0.23	23.70	11.00	10.76	0.18
21.15	10.67	10.43	0.23	23.75	11.01	10.77	0.18
21.20	10.68	10.44	0.22	23.80	11.01	10.77	0.18
21.25	10.69	10.45	0.22	23.85	11.02	10.78	0.18
21.30	10.69	10.45	0.22	23.90	11.03	10.78	0.18
21.35	10.70	10.46	0.22	23.95	11.03	10.79	0.21
21.40	10.71	10.47	0.22	24.00	**11.04**	**10.80**	0.22
21.45	10.71	10.47	0.22	24.05	11.04	10.80	0.07
21.50	10.72	10.48	0.22	24.10	11.04	10.80	0.00
21.55	10.73	10.49	0.22	24.15	11.04	10.80	0.00
21.60	10.74	10.49	0.22	24.20	11.04	10.80	0.00
21.65	10.74	10.50	0.22	24.25	11.04	10.80	0.00
21.70	10.75	10.51	0.22	24.30	11.04	10.80	0.00
21.75	10.76	10.52	0.22	24.35	11.04	10.80	0.00
21.80	10.76	10.52	0.22	24.40	11.04	10.80	0.00
21.85	10.77	10.53	0.21	24.45	11.04	10.80	0.00
21.90	10.78	10.54	0.21	24.50	11.04	10.80	0.00
21.95	10.78	10.54	0.21	24.55	11.04	10.80	0.00
22.00	10.79	10.55	0.21	24.60	11.04	10.80	0.00
22.05	10.80	10.56	0.21	24.65	11.04	10.80	0.00
22.10	10.80	10.56	0.21	24.70	11.04	10.80	0.00
22.15	10.81	10.57	0.21	24.75	11.04	10.80	0.00
22.20	10.82	10.58	0.21	24.80	11.04	10.80	0.00
22.25	10.82	10.58	0.21	24.85	11.04	10.80	0.00
22.30	10.83	10.59	0.21	24.90	11.04	10.80	0.00
22.35	10.84	10.60	0.20	24.95	11.04	10.80	0.00
22.40	10.84	10.60	0.20	25.00	11.04	10.80	0.00
22.45	10.85	10.61	0.20	25.05	11.04	10.80	0.00
22.50	10.86	10.62	0.20	25.10	11.04	10.80	0.00
22.55	10.86	10.62	0.20	25.15	11.04	10.80	0.00
22.60	10.87	10.63	0.20	25.20	11.04	10.80	0.00
22.65	10.88	10.63	0.20	25.25	11.04	10.80	0.00
22.70	10.88	10.64	0.20	25.30	11.04	10.80	0.00
22.75	10.89	10.65	0.20	25.35	11.04	10.80	0.00
22.80	10.89	10.65	0.20	25.40	11.04	10.80	0.00
22.85	10.90	10.66	0.20	25.45	11.04	10.80	0.00
22.90	10.91	10.67	0.20	25.50	11.04	10.80	0.00
22.95	10.91	10.67	0.20	25.55	11.04	10.80	0.00
23.00	10.92	10.68	0.20	25.60	11.04	10.80	0.00
23.05	10.93	10.68	0.19	25.65	11.04	10.80	0.00
23.10	10.93	10.69	0.19	25.70	11.04	10.80	0.00
23.15	10.94	10.70	0.19	25.75	11.04	10.80	0.00
23.20	10.94	10.70	0.19	25.80	11.04	10.80	0.00
23.25	10.95	10.71	0.19	25.85	11.04	10.80	0.00
23.30	10.96	10.71	0.19	25.90	11.04	10.80	0.00
23.35	10.96	10.72	0.19	25.95	11.04	10.80	0.00

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	10.80	0.00	28.60	11.04	10.80	0.00
26.05	11.04	10.80	0.00	28.65	11.04	10.80	0.00
26.10	11.04	10.80	0.00	28.70	11.04	10.80	0.00
26.15	11.04	10.80	0.00	28.75	11.04	10.80	0.00
26.20	11.04	10.80	0.00	28.80	11.04	10.80	0.00
26.25	11.04	10.80	0.00	28.85	11.04	10.80	0.00
26.30	11.04	10.80	0.00	28.90	11.04	10.80	0.00
26.35	11.04	10.80	0.00	28.95	11.04	10.80	0.00
26.40	11.04	10.80	0.00	29.00	11.04	10.80	0.00
26.45	11.04	10.80	0.00	29.05	11.04	10.80	0.00
26.50	11.04	10.80	0.00	29.10	11.04	10.80	0.00
26.55	11.04	10.80	0.00	29.15	11.04	10.80	0.00
26.60	11.04	10.80	0.00	29.20	11.04	10.80	0.00
26.65	11.04	10.80	0.00	29.25	11.04	10.80	0.00
26.70	11.04	10.80	0.00	29.30	11.04	10.80	0.00
26.75	11.04	10.80	0.00	29.35	11.04	10.80	0.00
26.80	11.04	10.80	0.00	29.40	11.04	10.80	0.00
26.85	11.04	10.80	0.00	29.45	11.04	10.80	0.00
26.90	11.04	10.80	0.00	29.50	11.04	10.80	0.00
26.95	11.04	10.80	0.00	29.55	11.04	10.80	0.00
27.00	11.04	10.80	0.00	29.60	11.04	10.80	0.00
27.05	11.04	10.80	0.00	29.65	11.04	10.80	0.00
27.10	11.04	10.80	0.00	29.70	11.04	10.80	0.00
27.15	11.04	10.80	0.00	29.75	11.04	10.80	0.00
27.20	11.04	10.80	0.00	29.80	11.04	10.80	0.00
27.25	11.04	10.80	0.00	29.85	11.04	10.80	0.00
27.30	11.04	10.80	0.00	29.90	11.04	10.80	0.00
27.35	11.04	10.80	0.00	29.95	11.04	10.80	0.00
27.40	11.04	10.80	0.00	30.00	11.04	10.80	0.00
27.45	11.04	10.80	0.00	30.05	11.04	10.80	0.00
27.50	11.04	10.80	0.00	30.10	11.04	10.80	0.00
27.55	11.04	10.80	0.00	30.15	11.04	10.80	0.00
27.60	11.04	10.80	0.00	30.20	11.04	10.80	0.00
27.65	11.04	10.80	0.00	30.25	11.04	10.80	0.00
27.70	11.04	10.80	0.00	30.30	11.04	10.80	0.00
27.75	11.04	10.80	0.00	30.35	11.04	10.80	0.00
27.80	11.04	10.80	0.00	30.40	11.04	10.80	0.00
27.85	11.04	10.80	0.00	30.45	11.04	10.80	0.00
27.90	11.04	10.80	0.00	30.50	11.04	10.80	0.00
27.95	11.04	10.80	0.00	30.55	11.04	10.80	0.00
28.00	11.04	10.80	0.00	30.60	11.04	10.80	0.00
28.05	11.04	10.80	0.00	30.65	11.04	10.80	0.00
28.10	11.04	10.80	0.00	30.70	11.04	10.80	0.00
28.15	11.04	10.80	0.00	30.75	11.04	10.80	0.00
28.20	11.04	10.80	0.00	30.80	11.04	10.80	0.00
28.25	11.04	10.80	0.00	30.85	11.04	10.80	0.00
28.30	11.04	10.80	0.00	30.90	11.04	10.80	0.00
28.35	11.04	10.80	0.00	30.95	11.04	10.80	0.00
28.40	11.04	10.80	0.00	31.00	11.04	10.80	0.00
28.45	11.04	10.80	0.00	31.05	11.04	10.80	0.00
28.50	11.04	10.80	0.00	31.10	11.04	10.80	0.00
28.55	11.04	10.80	0.00	31.15	11.04	10.80	0.00

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	10.80	0.00	33.80	11.04	10.80	0.00
31.25	11.04	10.80	0.00	33.85	11.04	10.80	0.00
31.30	11.04	10.80	0.00	33.90	11.04	10.80	0.00
31.35	11.04	10.80	0.00	33.95	11.04	10.80	0.00
31.40	11.04	10.80	0.00	34.00	11.04	10.80	0.00
31.45	11.04	10.80	0.00	34.05	11.04	10.80	0.00
31.50	11.04	10.80	0.00	34.10	11.04	10.80	0.00
31.55	11.04	10.80	0.00	34.15	11.04	10.80	0.00
31.60	11.04	10.80	0.00	34.20	11.04	10.80	0.00
31.65	11.04	10.80	0.00	34.25	11.04	10.80	0.00
31.70	11.04	10.80	0.00	34.30	11.04	10.80	0.00
31.75	11.04	10.80	0.00	34.35	11.04	10.80	0.00
31.80	11.04	10.80	0.00	34.40	11.04	10.80	0.00
31.85	11.04	10.80	0.00	34.45	11.04	10.80	0.00
31.90	11.04	10.80	0.00	34.50	11.04	10.80	0.00
31.95	11.04	10.80	0.00	34.55	11.04	10.80	0.00
32.00	11.04	10.80	0.00	34.60	11.04	10.80	0.00
32.05	11.04	10.80	0.00	34.65	11.04	10.80	0.00
32.10	11.04	10.80	0.00	34.70	11.04	10.80	0.00
32.15	11.04	10.80	0.00	34.75	11.04	10.80	0.00
32.20	11.04	10.80	0.00	34.80	11.04	10.80	0.00
32.25	11.04	10.80	0.00	34.85	11.04	10.80	0.00
32.30	11.04	10.80	0.00	34.90	11.04	10.80	0.00
32.35	11.04	10.80	0.00	34.95	11.04	10.80	0.00
32.40	11.04	10.80	0.00	35.00	11.04	10.80	0.00
32.45	11.04	10.80	0.00	35.05	11.04	10.80	0.00
32.50	11.04	10.80	0.00	35.10	11.04	10.80	0.00
32.55	11.04	10.80	0.00	35.15	11.04	10.80	0.00
32.60	11.04	10.80	0.00	35.20	11.04	10.80	0.00
32.65	11.04	10.80	0.00	35.25	11.04	10.80	0.00
32.70	11.04	10.80	0.00	35.30	11.04	10.80	0.00
32.75	11.04	10.80	0.00	35.35	11.04	10.80	0.00
32.80	11.04	10.80	0.00	35.40	11.04	10.80	0.00
32.85	11.04	10.80	0.00	35.45	11.04	10.80	0.00
32.90	11.04	10.80	0.00	35.50	11.04	10.80	0.00
32.95	11.04	10.80	0.00	35.55	11.04	10.80	0.00
33.00	11.04	10.80	0.00	35.60	11.04	10.80	0.00
33.05	11.04	10.80	0.00	35.65	11.04	10.80	0.00
33.10	11.04	10.80	0.00	35.70	11.04	10.80	0.00
33.15	11.04	10.80	0.00	35.75	11.04	10.80	0.00
33.20	11.04	10.80	0.00	35.80	11.04	10.80	0.00
33.25	11.04	10.80	0.00	35.85	11.04	10.80	0.00
33.30	11.04	10.80	0.00	35.90	11.04	10.80	0.00
33.35	11.04	10.80	0.00	35.95	11.04	10.80	0.00
33.40	11.04	10.80	0.00	36.00	11.04	10.80	0.00
33.45	11.04	10.80	0.00	36.05	11.04	10.80	0.00
33.50	11.04	10.80	0.00	36.10	11.04	10.80	0.00
33.55	11.04	10.80	0.00	36.15	11.04	10.80	0.00
33.60	11.04	10.80	0.00	36.20	11.04	10.80	0.00
33.65	11.04	10.80	0.00	36.25	11.04	10.80	0.00
33.70	11.04	10.80	0.00	36.30	11.04	10.80	0.00
33.75	11.04	10.80	0.00	36.35	11.04	10.80	0.00

Hydrograph for Subcatchment 54I: PDA-54 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	10.80	0.00
36.45	11.04	10.80	0.00
36.50	11.04	10.80	0.00
36.55	11.04	10.80	0.00
36.60	11.04	10.80	0.00
36.65	11.04	10.80	0.00
36.70	11.04	10.80	0.00
36.75	11.04	10.80	0.00
36.80	11.04	10.80	0.00
36.85	11.04	10.80	0.00
36.90	11.04	10.80	0.00
36.95	11.04	10.80	0.00
37.00	11.04	10.80	0.00
37.05	11.04	10.80	0.00
37.10	11.04	10.80	0.00
37.15	11.04	10.80	0.00
37.20	11.04	10.80	0.00
37.25	11.04	10.80	0.00
37.30	11.04	10.80	0.00
37.35	11.04	10.80	0.00
37.40	11.04	10.80	0.00
37.45	11.04	10.80	0.00
37.50	11.04	10.80	0.00
37.55	11.04	10.80	0.00
37.60	11.04	10.80	0.00
37.65	11.04	10.80	0.00
37.70	11.04	10.80	0.00
37.75	11.04	10.80	0.00
37.80	11.04	10.80	0.00
37.85	11.04	10.80	0.00
37.90	11.04	10.80	0.00
37.95	11.04	10.80	0.00
38.00	11.04	10.80	0.00
38.05	11.04	10.80	0.00
38.10	11.04	10.80	0.00
38.15	11.04	10.80	0.00
38.20	11.04	10.80	0.00
38.25	11.04	10.80	0.00
38.30	11.04	10.80	0.00
38.35	11.04	10.80	0.00
38.40	11.04	10.80	0.00
38.45	11.04	10.80	0.00
38.50	11.04	10.80	0.00
38.55	11.04	10.80	0.00
38.60	11.04	10.80	0.00
38.65	11.04	10.80	0.00
38.70	11.04	10.80	0.00
38.75	11.04	10.80	0.00
38.80	11.04	10.80	0.00
38.85	11.04	10.80	0.00
38.90	11.04	10.80	0.00
38.95	11.04	10.80	0.00
39.00	11.04	10.80	0.00
39.05	11.04	10.80	0.00
39.10	11.04	10.80	0.00
39.15	11.04	10.80	0.00
39.20	11.04	10.80	0.00
39.25	11.04	10.80	0.00
39.30	11.04	10.80	0.00
39.35	11.04	10.80	0.00
39.40	11.04	10.80	0.00
39.45	11.04	10.80	0.00
39.50	11.04	10.80	0.00
39.55	11.04	10.80	0.00
39.60	11.04	10.80	0.00
39.65	11.04	10.80	0.00
39.70	11.04	10.80	0.00
39.75	11.04	10.80	0.00
39.80	11.04	10.80	0.00
39.85	11.04	10.80	0.00
39.90	11.04	10.80	0.00
39.95	11.04	10.80	0.00
40.00	11.04	10.80	0.00

Summary for Subcatchment 54P: PDA-54 (pervious)

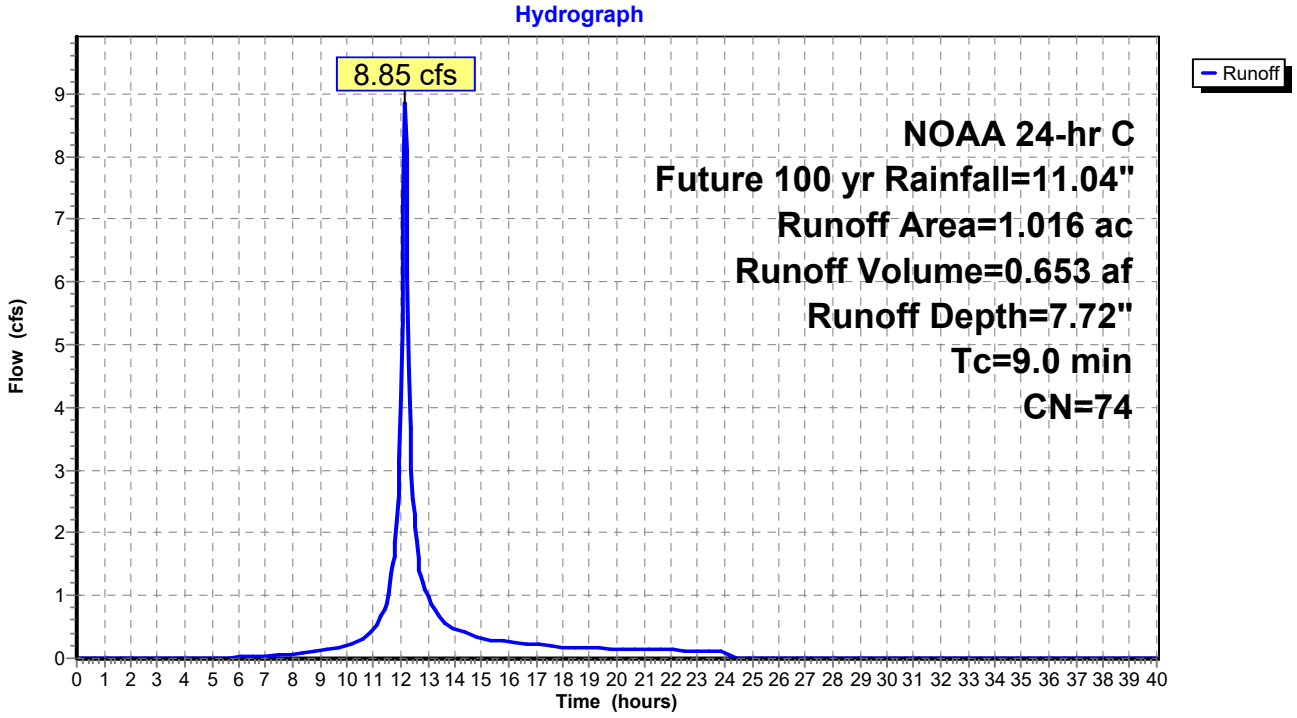
Runoff = 8.85 cfs @ 12.16 hrs, Volume= 0.653 af, Depth= 7.72"
Routed to Pond B-54 : Basin #54

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

Area (ac)	CN	Description
1.016	74	>75% Grass cover, Good, HSG C
1.016		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.0					**Direct Entry,**

Subcatchment 54P: PDA-54 (pervious)



Hydrograph for Subcatchment 54P: PDA-54 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.34	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.35	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.35	0.00	0.00
0.20	0.03	0.00	0.00	2.80	0.36	0.00	0.00
0.25	0.03	0.00	0.00	2.85	0.37	0.00	0.00
0.30	0.04	0.00	0.00	2.90	0.38	0.00	0.00
0.35	0.04	0.00	0.00	2.95	0.38	0.00	0.00
0.40	0.05	0.00	0.00	3.00	0.39	0.00	0.00
0.45	0.05	0.00	0.00	3.05	0.40	0.00	0.00
0.50	0.06	0.00	0.00	3.10	0.40	0.00	0.00
0.55	0.07	0.00	0.00	3.15	0.41	0.00	0.00
0.60	0.07	0.00	0.00	3.20	0.42	0.00	0.00
0.65	0.08	0.00	0.00	3.25	0.43	0.00	0.00
0.70	0.08	0.00	0.00	3.30	0.43	0.00	0.00
0.75	0.09	0.00	0.00	3.35	0.44	0.00	0.00
0.80	0.10	0.00	0.00	3.40	0.45	0.00	0.00
0.85	0.10	0.00	0.00	3.45	0.46	0.00	0.00
0.90	0.11	0.00	0.00	3.50	0.46	0.00	0.00
0.95	0.11	0.00	0.00	3.55	0.47	0.00	0.00
1.00	0.12	0.00	0.00	3.60	0.48	0.00	0.00
1.05	0.13	0.00	0.00	3.65	0.49	0.00	0.00
1.10	0.13	0.00	0.00	3.70	0.49	0.00	0.00
1.15	0.14	0.00	0.00	3.75	0.50	0.00	0.00
1.20	0.15	0.00	0.00	3.80	0.51	0.00	0.00
1.25	0.15	0.00	0.00	3.85	0.52	0.00	0.00
1.30	0.16	0.00	0.00	3.90	0.52	0.00	0.00
1.35	0.16	0.00	0.00	3.95	0.53	0.00	0.00
1.40	0.17	0.00	0.00	4.00	0.54	0.00	0.00
1.45	0.18	0.00	0.00	4.05	0.55	0.00	0.00
1.50	0.18	0.00	0.00	4.10	0.56	0.00	0.00
1.55	0.19	0.00	0.00	4.15	0.56	0.00	0.00
1.60	0.20	0.00	0.00	4.20	0.57	0.00	0.00
1.65	0.20	0.00	0.00	4.25	0.58	0.00	0.00
1.70	0.21	0.00	0.00	4.30	0.59	0.00	0.00
1.75	0.22	0.00	0.00	4.35	0.60	0.00	0.00
1.80	0.22	0.00	0.00	4.40	0.60	0.00	0.00
1.85	0.23	0.00	0.00	4.45	0.61	0.00	0.00
1.90	0.24	0.00	0.00	4.50	0.62	0.00	0.00
1.95	0.24	0.00	0.00	4.55	0.63	0.00	0.00
2.00	0.25	0.00	0.00	4.60	0.64	0.00	0.00
2.05	0.26	0.00	0.00	4.65	0.64	0.00	0.00
2.10	0.26	0.00	0.00	4.70	0.65	0.00	0.00
2.15	0.27	0.00	0.00	4.75	0.66	0.00	0.00
2.20	0.28	0.00	0.00	4.80	0.67	0.00	0.00
2.25	0.28	0.00	0.00	4.85	0.68	0.00	0.00
2.30	0.29	0.00	0.00	4.90	0.69	0.00	0.00
2.35	0.30	0.00	0.00	4.95	0.69	0.00	0.00
2.40	0.30	0.00	0.00	5.00	0.70	0.00	0.00
2.45	0.31	0.00	0.00	5.05	0.71	0.00	0.00
2.50	0.32	0.00	0.00	5.10	0.72	0.00	0.00
2.55	0.33	0.00	0.00	5.15	0.73	0.00	0.00

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.00	0.00	7.80	1.27	0.08	0.06
5.25	0.74	0.00	0.00	7.85	1.28	0.08	0.07
5.30	0.75	0.00	0.00	7.90	1.30	0.09	0.07
5.35	0.76	0.00	0.00	7.95	1.31	0.09	0.07
5.40	0.77	0.00	0.00	8.00	1.32	0.09	0.07
5.45	0.78	0.00	0.01	8.05	1.34	0.10	0.07
5.50	0.79	0.00	0.01	8.10	1.35	0.10	0.07
5.55	0.80	0.00	0.01	8.15	1.36	0.10	0.08
5.60	0.80	0.00	0.01	8.20	1.38	0.11	0.08
5.65	0.81	0.00	0.01	8.25	1.39	0.11	0.08
5.70	0.82	0.00	0.01	8.30	1.40	0.12	0.08
5.75	0.83	0.00	0.01	8.35	1.42	0.12	0.08
5.80	0.84	0.01	0.01	8.40	1.43	0.13	0.09
5.85	0.85	0.01	0.01	8.45	1.45	0.13	0.09
5.90	0.86	0.01	0.01	8.50	1.46	0.13	0.09
5.95	0.87	0.01	0.01	8.55	1.48	0.14	0.09
6.00	0.87	0.01	0.01	8.60	1.49	0.14	0.09
6.05	0.88	0.01	0.02	8.65	1.51	0.15	0.10
6.10	0.89	0.01	0.02	8.70	1.52	0.15	0.10
6.15	0.90	0.01	0.02	8.75	1.54	0.16	0.10
6.20	0.91	0.01	0.02	8.80	1.55	0.16	0.10
6.25	0.92	0.01	0.02	8.85	1.57	0.17	0.11
6.30	0.93	0.01	0.02	8.90	1.58	0.18	0.11
6.35	0.94	0.02	0.02	8.95	1.60	0.18	0.11
6.40	0.95	0.02	0.02	9.00	1.61	0.19	0.11
6.45	0.96	0.02	0.02	9.05	1.63	0.19	0.11
6.50	0.97	0.02	0.02	9.10	1.64	0.20	0.12
6.55	0.98	0.02	0.03	9.15	1.66	0.21	0.12
6.60	0.99	0.02	0.03	9.20	1.68	0.21	0.13
6.65	1.00	0.02	0.03	9.25	1.70	0.22	0.13
6.70	1.01	0.02	0.03	9.30	1.72	0.23	0.14
6.75	1.02	0.03	0.03	9.35	1.73	0.23	0.14
6.80	1.03	0.03	0.03	9.40	1.75	0.24	0.15
6.85	1.04	0.03	0.03	9.45	1.77	0.25	0.15
6.90	1.05	0.03	0.04	9.50	1.79	0.26	0.16
6.95	1.07	0.03	0.04	9.55	1.81	0.27	0.16
7.00	1.08	0.04	0.04	9.60	1.83	0.28	0.17
7.05	1.09	0.04	0.04	9.65	1.85	0.28	0.17
7.10	1.10	0.04	0.04	9.70	1.88	0.29	0.18
7.15	1.11	0.04	0.04	9.75	1.90	0.30	0.18
7.20	1.12	0.04	0.04	9.80	1.92	0.31	0.19
7.25	1.13	0.05	0.05	9.85	1.94	0.32	0.20
7.30	1.15	0.05	0.05	9.90	1.97	0.33	0.20
7.35	1.16	0.05	0.05	9.95	1.99	0.34	0.21
7.40	1.17	0.05	0.05	10.00	2.01	0.36	0.21
7.45	1.18	0.06	0.05	10.05	2.04	0.37	0.22
7.50	1.19	0.06	0.05	10.10	2.06	0.38	0.23
7.55	1.21	0.06	0.06	10.15	2.09	0.39	0.23
7.60	1.22	0.07	0.06	10.20	2.11	0.40	0.24
7.65	1.23	0.07	0.06	10.25	2.14	0.42	0.25
7.70	1.24	0.07	0.06	10.30	2.17	0.43	0.25
7.75	1.26	0.08	0.06	10.35	2.19	0.44	0.26

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	0.46	0.27	13.00	8.39	5.28	1.01
10.45	2.25	0.47	0.28	13.05	8.43	5.32	0.96
10.50	2.28	0.49	0.28	13.10	8.48	5.36	0.90
10.55	2.31	0.50	0.29	13.15	8.52	5.39	0.85
10.60	2.34	0.52	0.31	13.20	8.56	5.43	0.81
10.65	2.37	0.54	0.32	13.25	8.60	5.46	0.78
10.70	2.41	0.56	0.34	13.30	8.63	5.50	0.75
10.75	2.44	0.58	0.36	13.35	8.67	5.53	0.72
10.80	2.48	0.60	0.38	13.40	8.70	5.56	0.69
10.85	2.52	0.62	0.41	13.45	8.73	5.59	0.66
10.90	2.56	0.64	0.43	13.50	8.76	5.61	0.63
10.95	2.61	0.67	0.45	13.55	8.79	5.64	0.60
11.00	2.65	0.69	0.48	13.60	8.82	5.67	0.57
11.05	2.70	0.72	0.50	13.65	8.85	5.69	0.54
11.10	2.75	0.75	0.54	13.70	8.87	5.71	0.53
11.15	2.80	0.79	0.57	13.75	8.90	5.74	0.51
11.20	2.86	0.82	0.62	13.80	8.93	5.76	0.50
11.25	2.92	0.86	0.66	13.85	8.95	5.79	0.50
11.30	2.98	0.90	0.70	13.90	8.98	5.81	0.49
11.35	3.05	0.94	0.75	13.95	9.00	5.83	0.48
11.40	3.12	0.98	0.80	14.00	9.03	5.85	0.47
11.45	3.19	1.03	0.85	14.05	9.05	5.88	0.47
11.50	3.26	1.08	0.89	14.10	9.07	5.90	0.46
11.55	3.37	1.15	0.96	14.15	9.10	5.92	0.45
11.60	3.49	1.23	1.13	14.20	9.12	5.94	0.44
11.65	3.60	1.31	1.34	14.25	9.14	5.96	0.44
11.70	3.72	1.39	1.50	14.30	9.16	5.98	0.43
11.75	3.88	1.51	1.63	14.35	9.19	6.00	0.42
11.80	4.04	1.63	1.86	14.40	9.21	6.02	0.41
11.85	4.27	1.79	2.17	14.45	9.23	6.04	0.40
11.90	4.49	1.96	2.59	14.50	9.25	6.06	0.40
11.95	4.88	2.27	3.14	14.55	9.27	6.07	0.39
12.00	5.26	2.57	4.10	14.60	9.29	6.09	0.38
12.05	5.91	3.11	5.37	14.65	9.31	6.11	0.37
12.10	6.55	3.65	7.20	14.70	9.32	6.13	0.37
12.15	6.77	3.85	**8.81**	14.75	9.34	6.14	0.36
12.20	7.00	4.04	8.10	14.80	9.36	6.16	0.35
12.25	7.16	4.18	6.10	14.85	9.38	6.17	0.34
12.30	7.32	4.32	4.60	14.90	9.40	6.19	0.34
12.35	7.44	4.43	3.67	14.95	9.41	6.21	0.33
12.40	7.55	4.53	3.02	15.00	9.43	6.22	0.32
12.45	7.67	4.63	2.55	15.05	9.44	6.23	0.31
12.50	7.78	4.73	2.28	15.10	9.46	6.25	0.30
12.55	7.85	4.79	2.11	15.15	9.47	6.26	0.30
12.60	7.92	4.86	1.86	15.20	9.49	6.28	0.29
12.65	7.99	4.92	1.58	15.25	9.50	6.29	0.29
12.70	8.06	4.98	1.41	15.30	9.52	6.30	0.29
12.75	8.12	5.03	1.31	15.35	9.53	6.32	0.28
12.80	8.18	5.09	1.24	15.40	9.55	6.33	0.28
12.85	8.24	5.14	1.18	15.45	9.56	6.34	0.28
12.90	8.29	5.19	1.12	15.50	9.58	6.36	0.28
12.95	8.34	5.23	1.07	15.55	9.59	6.37	0.28

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	6.38	0.27	18.20	10.20	6.93	0.17
15.65	9.62	6.40	0.27	18.25	10.21	6.94	0.17
15.70	9.64	6.41	0.27	18.30	10.22	6.95	0.17
15.75	9.65	6.42	0.27	18.35	10.23	6.96	0.17
15.80	9.66	6.44	0.27	18.40	10.24	6.97	0.17
15.85	9.68	6.45	0.26	18.45	10.24	6.97	0.17
15.90	9.69	6.46	0.26	18.50	10.25	6.98	0.17
15.95	9.70	6.47	0.26	18.55	10.26	6.99	0.17
16.00	9.72	6.49	0.26	18.60	10.27	7.00	0.16
16.05	9.73	6.50	0.26	18.65	10.28	7.01	0.16
16.10	9.74	6.51	0.25	18.70	10.29	7.01	0.16
16.15	9.76	6.52	0.25	18.75	10.30	7.02	0.16
16.20	9.77	6.54	0.25	18.80	10.30	7.03	0.16
16.25	9.78	6.55	0.25	18.85	10.31	7.04	0.16
16.30	9.80	6.56	0.25	18.90	10.32	7.04	0.16
16.35	9.81	6.57	0.24	18.95	10.33	7.05	0.16
16.40	9.82	6.58	0.24	19.00	10.34	7.06	0.16
16.45	9.83	6.59	0.24	19.05	10.35	7.07	0.16
16.50	9.85	6.60	0.24	19.10	10.35	7.08	0.16
16.55	9.86	6.62	0.24	19.15	10.36	7.08	0.16
16.60	9.87	6.63	0.23	19.20	10.37	7.09	0.16
16.65	9.88	6.64	0.23	19.25	10.38	7.10	0.16
16.70	9.89	6.65	0.23	19.30	10.39	7.11	0.16
16.75	9.91	6.66	0.23	19.35	10.40	7.11	0.16
16.80	9.92	6.67	0.23	19.40	10.40	7.12	0.16
16.85	9.93	6.68	0.22	19.45	10.41	7.13	0.16
16.90	9.94	6.69	0.22	19.50	10.42	7.14	0.16
16.95	9.95	6.70	0.22	19.55	10.43	7.14	0.15
17.00	9.96	6.71	0.22	19.60	10.44	7.15	0.15
17.05	9.97	6.72	0.22	19.65	10.44	7.16	0.15
17.10	9.99	6.73	0.21	19.70	10.45	7.17	0.15
17.15	10.00	6.74	0.21	19.75	10.46	7.17	0.15
17.20	10.01	6.75	0.21	19.80	10.47	7.18	0.15
17.25	10.02	6.76	0.21	19.85	10.48	7.19	0.15
17.30	10.03	6.77	0.21	19.90	10.48	7.20	0.15
17.35	10.04	6.78	0.20	19.95	10.49	7.20	0.15
17.40	10.05	6.79	0.20	20.00	10.50	7.21	0.15
17.45	10.06	6.80	0.20	20.05	10.51	7.22	0.15
17.50	10.07	6.81	0.20	20.10	10.52	7.23	0.15
17.55	10.08	6.82	0.20	20.15	10.52	7.23	0.15
17.60	10.09	6.83	0.19	20.20	10.53	7.24	0.15
17.65	10.10	6.84	0.19	20.25	10.54	7.25	0.15
17.70	10.11	6.85	0.19	20.30	10.55	7.25	0.15
17.75	10.12	6.86	0.19	20.35	10.55	7.26	0.15
17.80	10.13	6.87	0.18	20.40	10.56	7.27	0.15
17.85	10.14	6.87	0.18	20.45	10.57	7.28	0.15
17.90	10.15	6.88	0.18	20.50	10.58	7.28	0.15
17.95	10.16	6.89	0.18	20.55	10.58	7.29	0.14
18.00	10.17	6.90	0.18	20.60	10.59	7.30	0.14
18.05	10.17	6.91	0.17	20.65	10.60	7.30	0.14
18.10	10.18	6.92	0.17	20.70	10.61	7.31	0.14
18.15	10.19	6.92	0.17	20.75	10.61	7.32	0.14

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	7.32	0.14	23.40	10.97	7.65	0.12
20.85	10.63	7.33	0.14	23.45	10.97	7.65	0.12
20.90	10.64	7.34	0.14	23.50	10.98	7.66	0.11
20.95	10.64	7.34	0.14	23.55	10.99	7.66	0.11
21.00	10.65	7.35	0.14	23.60	10.99	7.67	0.11
21.05	10.66	7.36	0.14	23.65	11.00	7.67	0.11
21.10	10.66	7.36	0.14	23.70	11.00	7.68	0.11
21.15	10.67	7.37	0.14	23.75	11.01	7.69	0.11
21.20	10.68	7.38	0.14	23.80	11.01	7.69	0.11
21.25	10.69	7.38	0.14	23.85	11.02	7.70	0.11
21.30	10.69	7.39	0.14	23.90	11.03	7.70	0.11
21.35	10.70	7.40	0.14	23.95	11.03	7.71	0.11
21.40	10.71	7.40	0.14	24.00	**11.04**	**7.72**	0.12
21.45	10.71	7.41	0.14	24.05	11.04	7.72	0.12
21.50	10.72	7.42	0.13	24.10	11.04	7.72	0.09
21.55	10.73	7.42	0.13	24.15	11.04	7.72	0.05
21.60	10.74	7.43	0.13	24.20	11.04	7.72	0.02
21.65	10.74	7.44	0.13	24.25	11.04	7.72	0.01
21.70	10.75	7.44	0.13	24.30	11.04	7.72	0.00
21.75	10.76	7.45	0.13	24.35	11.04	7.72	0.00
21.80	10.76	7.46	0.13	24.40	11.04	7.72	0.00
21.85	10.77	7.46	0.13	24.45	11.04	7.72	0.00
21.90	10.78	7.47	0.13	24.50	11.04	7.72	0.00
21.95	10.78	7.48	0.13	24.55	11.04	7.72	0.00
22.00	10.79	7.48	0.13	24.60	11.04	7.72	0.00
22.05	10.80	7.49	0.13	24.65	11.04	7.72	0.00
22.10	10.80	7.49	0.13	24.70	11.04	7.72	0.00
22.15	10.81	7.50	0.13	24.75	11.04	7.72	0.00
22.20	10.82	7.51	0.13	24.80	11.04	7.72	0.00
22.25	10.82	7.51	0.13	24.85	11.04	7.72	0.00
22.30	10.83	7.52	0.13	24.90	11.04	7.72	0.00
22.35	10.84	7.53	0.13	24.95	11.04	7.72	0.00
22.40	10.84	7.53	0.13	25.00	11.04	7.72	0.00
22.45	10.85	7.54	0.13	25.05	11.04	7.72	0.00
22.50	10.86	7.54	0.12	25.10	11.04	7.72	0.00
22.55	10.86	7.55	0.12	25.15	11.04	7.72	0.00
22.60	10.87	7.56	0.12	25.20	11.04	7.72	0.00
22.65	10.88	7.56	0.12	25.25	11.04	7.72	0.00
22.70	10.88	7.57	0.12	25.30	11.04	7.72	0.00
22.75	10.89	7.57	0.12	25.35	11.04	7.72	0.00
22.80	10.89	7.58	0.12	25.40	11.04	7.72	0.00
22.85	10.90	7.58	0.12	25.45	11.04	7.72	0.00
22.90	10.91	7.59	0.12	25.50	11.04	7.72	0.00
22.95	10.91	7.60	0.12	25.55	11.04	7.72	0.00
23.00	10.92	7.60	0.12	25.60	11.04	7.72	0.00
23.05	10.93	7.61	0.12	25.65	11.04	7.72	0.00
23.10	10.93	7.61	0.12	25.70	11.04	7.72	0.00
23.15	10.94	7.62	0.12	25.75	11.04	7.72	0.00
23.20	10.94	7.63	0.12	25.80	11.04	7.72	0.00
23.25	10.95	7.63	0.12	25.85	11.04	7.72	0.00
23.30	10.96	7.64	0.12	25.90	11.04	7.72	0.00
23.35	10.96	7.64	0.12	25.95	11.04	7.72	0.00

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	7.72	0.00	28.60	11.04	7.72	0.00
26.05	11.04	7.72	0.00	28.65	11.04	7.72	0.00
26.10	11.04	7.72	0.00	28.70	11.04	7.72	0.00
26.15	11.04	7.72	0.00	28.75	11.04	7.72	0.00
26.20	11.04	7.72	0.00	28.80	11.04	7.72	0.00
26.25	11.04	7.72	0.00	28.85	11.04	7.72	0.00
26.30	11.04	7.72	0.00	28.90	11.04	7.72	0.00
26.35	11.04	7.72	0.00	28.95	11.04	7.72	0.00
26.40	11.04	7.72	0.00	29.00	11.04	7.72	0.00
26.45	11.04	7.72	0.00	29.05	11.04	7.72	0.00
26.50	11.04	7.72	0.00	29.10	11.04	7.72	0.00
26.55	11.04	7.72	0.00	29.15	11.04	7.72	0.00
26.60	11.04	7.72	0.00	29.20	11.04	7.72	0.00
26.65	11.04	7.72	0.00	29.25	11.04	7.72	0.00
26.70	11.04	7.72	0.00	29.30	11.04	7.72	0.00
26.75	11.04	7.72	0.00	29.35	11.04	7.72	0.00
26.80	11.04	7.72	0.00	29.40	11.04	7.72	0.00
26.85	11.04	7.72	0.00	29.45	11.04	7.72	0.00
26.90	11.04	7.72	0.00	29.50	11.04	7.72	0.00
26.95	11.04	7.72	0.00	29.55	11.04	7.72	0.00
27.00	11.04	7.72	0.00	29.60	11.04	7.72	0.00
27.05	11.04	7.72	0.00	29.65	11.04	7.72	0.00
27.10	11.04	7.72	0.00	29.70	11.04	7.72	0.00
27.15	11.04	7.72	0.00	29.75	11.04	7.72	0.00
27.20	11.04	7.72	0.00	29.80	11.04	7.72	0.00
27.25	11.04	7.72	0.00	29.85	11.04	7.72	0.00
27.30	11.04	7.72	0.00	29.90	11.04	7.72	0.00
27.35	11.04	7.72	0.00	29.95	11.04	7.72	0.00
27.40	11.04	7.72	0.00	30.00	11.04	7.72	0.00
27.45	11.04	7.72	0.00	30.05	11.04	7.72	0.00
27.50	11.04	7.72	0.00	30.10	11.04	7.72	0.00
27.55	11.04	7.72	0.00	30.15	11.04	7.72	0.00
27.60	11.04	7.72	0.00	30.20	11.04	7.72	0.00
27.65	11.04	7.72	0.00	30.25	11.04	7.72	0.00
27.70	11.04	7.72	0.00	30.30	11.04	7.72	0.00
27.75	11.04	7.72	0.00	30.35	11.04	7.72	0.00
27.80	11.04	7.72	0.00	30.40	11.04	7.72	0.00
27.85	11.04	7.72	0.00	30.45	11.04	7.72	0.00
27.90	11.04	7.72	0.00	30.50	11.04	7.72	0.00
27.95	11.04	7.72	0.00	30.55	11.04	7.72	0.00
28.00	11.04	7.72	0.00	30.60	11.04	7.72	0.00
28.05	11.04	7.72	0.00	30.65	11.04	7.72	0.00
28.10	11.04	7.72	0.00	30.70	11.04	7.72	0.00
28.15	11.04	7.72	0.00	30.75	11.04	7.72	0.00
28.20	11.04	7.72	0.00	30.80	11.04	7.72	0.00
28.25	11.04	7.72	0.00	30.85	11.04	7.72	0.00
28.30	11.04	7.72	0.00	30.90	11.04	7.72	0.00
28.35	11.04	7.72	0.00	30.95	11.04	7.72	0.00
28.40	11.04	7.72	0.00	31.00	11.04	7.72	0.00
28.45	11.04	7.72	0.00	31.05	11.04	7.72	0.00
28.50	11.04	7.72	0.00	31.10	11.04	7.72	0.00
28.55	11.04	7.72	0.00	31.15	11.04	7.72	0.00

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	7.72	0.00	33.80	11.04	7.72	0.00
31.25	11.04	7.72	0.00	33.85	11.04	7.72	0.00
31.30	11.04	7.72	0.00	33.90	11.04	7.72	0.00
31.35	11.04	7.72	0.00	33.95	11.04	7.72	0.00
31.40	11.04	7.72	0.00	34.00	11.04	7.72	0.00
31.45	11.04	7.72	0.00	34.05	11.04	7.72	0.00
31.50	11.04	7.72	0.00	34.10	11.04	7.72	0.00
31.55	11.04	7.72	0.00	34.15	11.04	7.72	0.00
31.60	11.04	7.72	0.00	34.20	11.04	7.72	0.00
31.65	11.04	7.72	0.00	34.25	11.04	7.72	0.00
31.70	11.04	7.72	0.00	34.30	11.04	7.72	0.00
31.75	11.04	7.72	0.00	34.35	11.04	7.72	0.00
31.80	11.04	7.72	0.00	34.40	11.04	7.72	0.00
31.85	11.04	7.72	0.00	34.45	11.04	7.72	0.00
31.90	11.04	7.72	0.00	34.50	11.04	7.72	0.00
31.95	11.04	7.72	0.00	34.55	11.04	7.72	0.00
32.00	11.04	7.72	0.00	34.60	11.04	7.72	0.00
32.05	11.04	7.72	0.00	34.65	11.04	7.72	0.00
32.10	11.04	7.72	0.00	34.70	11.04	7.72	0.00
32.15	11.04	7.72	0.00	34.75	11.04	7.72	0.00
32.20	11.04	7.72	0.00	34.80	11.04	7.72	0.00
32.25	11.04	7.72	0.00	34.85	11.04	7.72	0.00
32.30	11.04	7.72	0.00	34.90	11.04	7.72	0.00
32.35	11.04	7.72	0.00	34.95	11.04	7.72	0.00
32.40	11.04	7.72	0.00	35.00	11.04	7.72	0.00
32.45	11.04	7.72	0.00	35.05	11.04	7.72	0.00
32.50	11.04	7.72	0.00	35.10	11.04	7.72	0.00
32.55	11.04	7.72	0.00	35.15	11.04	7.72	0.00
32.60	11.04	7.72	0.00	35.20	11.04	7.72	0.00
32.65	11.04	7.72	0.00	35.25	11.04	7.72	0.00
32.70	11.04	7.72	0.00	35.30	11.04	7.72	0.00
32.75	11.04	7.72	0.00	35.35	11.04	7.72	0.00
32.80	11.04	7.72	0.00	35.40	11.04	7.72	0.00
32.85	11.04	7.72	0.00	35.45	11.04	7.72	0.00
32.90	11.04	7.72	0.00	35.50	11.04	7.72	0.00
32.95	11.04	7.72	0.00	35.55	11.04	7.72	0.00
33.00	11.04	7.72	0.00	35.60	11.04	7.72	0.00
33.05	11.04	7.72	0.00	35.65	11.04	7.72	0.00
33.10	11.04	7.72	0.00	35.70	11.04	7.72	0.00
33.15	11.04	7.72	0.00	35.75	11.04	7.72	0.00
33.20	11.04	7.72	0.00	35.80	11.04	7.72	0.00
33.25	11.04	7.72	0.00	35.85	11.04	7.72	0.00
33.30	11.04	7.72	0.00	35.90	11.04	7.72	0.00
33.35	11.04	7.72	0.00	35.95	11.04	7.72	0.00
33.40	11.04	7.72	0.00	36.00	11.04	7.72	0.00
33.45	11.04	7.72	0.00	36.05	11.04	7.72	0.00
33.50	11.04	7.72	0.00	36.10	11.04	7.72	0.00
33.55	11.04	7.72	0.00	36.15	11.04	7.72	0.00
33.60	11.04	7.72	0.00	36.20	11.04	7.72	0.00
33.65	11.04	7.72	0.00	36.25	11.04	7.72	0.00
33.70	11.04	7.72	0.00	36.30	11.04	7.72	0.00
33.75	11.04	7.72	0.00	36.35	11.04	7.72	0.00

Hydrograph for Subcatchment 54P: PDA-54 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	7.72	0.00
36.45	11.04	7.72	0.00
36.50	11.04	7.72	0.00
36.55	11.04	7.72	0.00
36.60	11.04	7.72	0.00
36.65	11.04	7.72	0.00
36.70	11.04	7.72	0.00
36.75	11.04	7.72	0.00
36.80	11.04	7.72	0.00
36.85	11.04	7.72	0.00
36.90	11.04	7.72	0.00
36.95	11.04	7.72	0.00
37.00	11.04	7.72	0.00
37.05	11.04	7.72	0.00
37.10	11.04	7.72	0.00
37.15	11.04	7.72	0.00
37.20	11.04	7.72	0.00
37.25	11.04	7.72	0.00
37.30	11.04	7.72	0.00
37.35	11.04	7.72	0.00
37.40	11.04	7.72	0.00
37.45	11.04	7.72	0.00
37.50	11.04	7.72	0.00
37.55	11.04	7.72	0.00
37.60	11.04	7.72	0.00
37.65	11.04	7.72	0.00
37.70	11.04	7.72	0.00
37.75	11.04	7.72	0.00
37.80	11.04	7.72	0.00
37.85	11.04	7.72	0.00
37.90	11.04	7.72	0.00
37.95	11.04	7.72	0.00
38.00	11.04	7.72	0.00
38.05	11.04	7.72	0.00
38.10	11.04	7.72	0.00
38.15	11.04	7.72	0.00
38.20	11.04	7.72	0.00
38.25	11.04	7.72	0.00
38.30	11.04	7.72	0.00
38.35	11.04	7.72	0.00
38.40	11.04	7.72	0.00
38.45	11.04	7.72	0.00
38.50	11.04	7.72	0.00
38.55	11.04	7.72	0.00
38.60	11.04	7.72	0.00
38.65	11.04	7.72	0.00
38.70	11.04	7.72	0.00
38.75	11.04	7.72	0.00
38.80	11.04	7.72	0.00
38.85	11.04	7.72	0.00
38.90	11.04	7.72	0.00
38.95	11.04	7.72	0.00
39.00	11.04	7.72	0.00
39.05	11.04	7.72	0.00
39.10	11.04	7.72	0.00
39.15	11.04	7.72	0.00
39.20	11.04	7.72	0.00
39.25	11.04	7.72	0.00
39.30	11.04	7.72	0.00
39.35	11.04	7.72	0.00
39.40	11.04	7.72	0.00
39.45	11.04	7.72	0.00
39.50	11.04	7.72	0.00
39.55	11.04	7.72	0.00
39.60	11.04	7.72	0.00
39.65	11.04	7.72	0.00
39.70	11.04	7.72	0.00
39.75	11.04	7.72	0.00
39.80	11.04	7.72	0.00
39.85	11.04	7.72	0.00
39.90	11.04	7.72	0.00
39.95	11.04	7.72	0.00
40.00	11.04	7.72	0.00

Summary for Subcatchment 55l: PDA-55 (impervious)

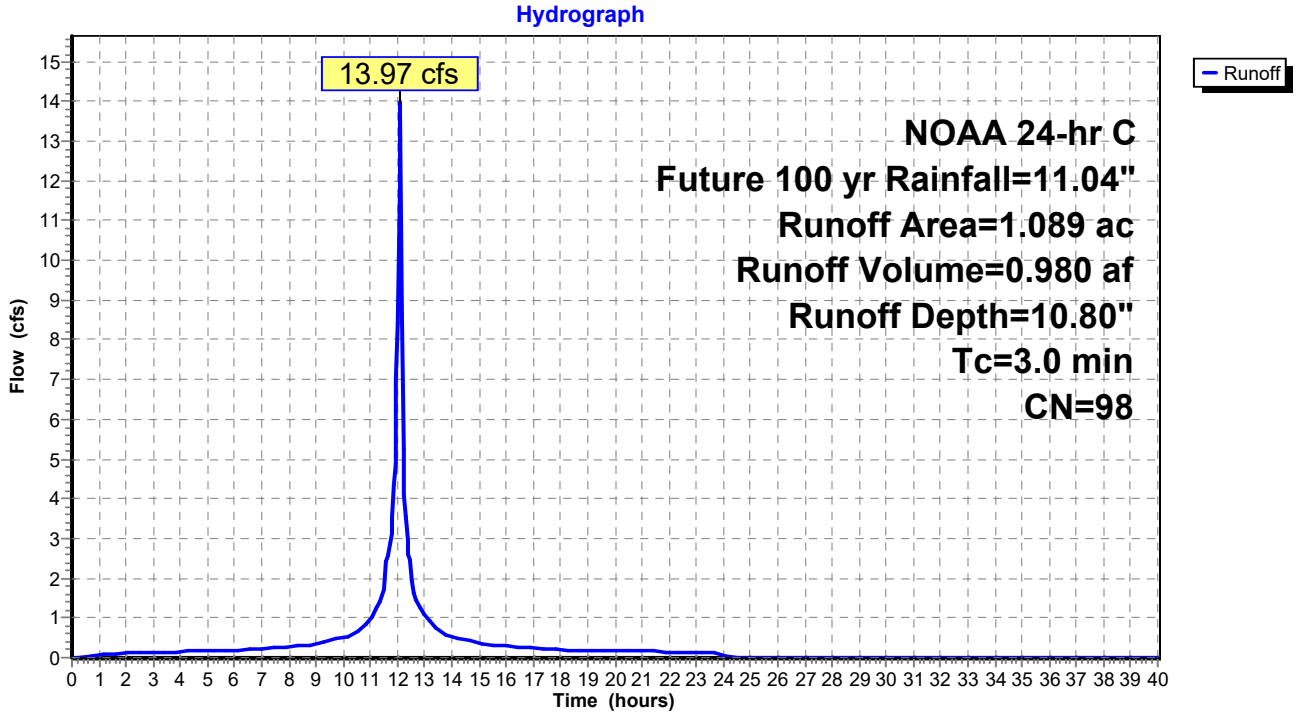
Runoff = 13.97 cfs @ 12.09 hrs, Volume= 0.980 af, Depth=10.80"
Routed to Pond B-55 : Basin #55

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

	Area (ac)	CN	Description
*	0.467	98	Pavement, HSG C
*	0.574	98	Roof, HSG C
*	0.048	98	Concrete, HSG C
	1.089	98	Weighted Average
	1.089		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.0					**Direct Entry,**

Subcatchment 55l: PDA-55 (impervious)



Hydrograph for Subcatchment 55l: PDA-55 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.17	0.13
0.05	0.01	0.00	0.00	2.65	0.34	0.18	0.13
0.10	0.01	0.00	0.00	2.70	0.35	0.18	0.13
0.15	0.02	0.00	0.00	2.75	0.35	0.19	0.13
0.20	0.03	0.00	0.00	2.80	0.36	0.20	0.13
0.25	0.03	0.00	0.00	2.85	0.37	0.20	0.13
0.30	0.04	0.00	0.00	2.90	0.38	0.21	0.13
0.35	0.04	0.00	0.00	2.95	0.38	0.21	0.14
0.40	0.05	0.00	0.00	3.00	0.39	0.22	0.14
0.45	0.05	0.00	0.01	3.05	0.40	0.23	0.14
0.50	0.06	0.00	0.02	3.10	0.40	0.23	0.14
0.55	0.07	0.00	0.02	3.15	0.41	0.24	0.14
0.60	0.07	0.00	0.03	3.20	0.42	0.25	0.14
0.65	0.08	0.01	0.03	3.25	0.43	0.25	0.14
0.70	0.08	0.01	0.04	3.30	0.43	0.26	0.14
0.75	0.09	0.01	0.04	3.35	0.44	0.27	0.14
0.80	0.10	0.01	0.05	3.40	0.45	0.27	0.15
0.85	0.10	0.01	0.05	3.45	0.46	0.28	0.15
0.90	0.11	0.02	0.05	3.50	0.46	0.29	0.15
0.95	0.11	0.02	0.06	3.55	0.47	0.29	0.15
1.00	0.12	0.02	0.06	3.60	0.48	0.30	0.15
1.05	0.13	0.03	0.07	3.65	0.49	0.31	0.15
1.10	0.13	0.03	0.07	3.70	0.49	0.31	0.15
1.15	0.14	0.03	0.07	3.75	0.50	0.32	0.15
1.20	0.15	0.04	0.07	3.80	0.51	0.33	0.15
1.25	0.15	0.04	0.08	3.85	0.52	0.33	0.15
1.30	0.16	0.04	0.08	3.90	0.52	0.34	0.15
1.35	0.16	0.05	0.08	3.95	0.53	0.35	0.16
1.40	0.17	0.05	0.09	4.00	0.54	0.35	0.16
1.45	0.18	0.05	0.09	4.05	0.55	0.36	0.16
1.50	0.18	0.06	0.09	4.10	0.56	0.37	0.16
1.55	0.19	0.06	0.09	4.15	0.56	0.38	0.16
1.60	0.20	0.07	0.09	4.20	0.57	0.38	0.16
1.65	0.20	0.07	0.10	4.25	0.58	0.39	0.16
1.70	0.21	0.08	0.10	4.30	0.59	0.40	0.16
1.75	0.22	0.08	0.10	4.35	0.60	0.41	0.16
1.80	0.22	0.09	0.10	4.40	0.60	0.41	0.16
1.85	0.23	0.09	0.11	4.45	0.61	0.42	0.16
1.90	0.24	0.10	0.11	4.50	0.62	0.43	0.16
1.95	0.24	0.10	0.11	4.55	0.63	0.44	0.17
2.00	0.25	0.11	0.11	4.60	0.64	0.44	0.17
2.05	0.26	0.11	0.11	4.65	0.64	0.45	0.17
2.10	0.26	0.12	0.11	4.70	0.65	0.46	0.17
2.15	0.27	0.12	0.11	4.75	0.66	0.47	0.17
2.20	0.28	0.13	0.12	4.80	0.67	0.47	0.17
2.25	0.28	0.13	0.12	4.85	0.68	0.48	0.17
2.30	0.29	0.14	0.12	4.90	0.69	0.49	0.17
2.35	0.30	0.14	0.12	4.95	0.69	0.50	0.17
2.40	0.30	0.15	0.12	5.00	0.70	0.51	0.17
2.45	0.31	0.15	0.12	5.05	0.71	0.51	0.17
2.50	0.32	0.16	0.12	5.10	0.72	0.52	0.17
2.55	0.33	0.17	0.13	5.15	0.73	0.53	0.18

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.54	0.18	7.80	1.27	1.05	0.28
5.25	0.74	0.55	0.18	7.85	1.28	1.07	0.28
5.30	0.75	0.55	0.18	7.90	1.30	1.08	0.28
5.35	0.76	0.56	0.18	7.95	1.31	1.09	0.28
5.40	0.77	0.57	0.18	8.00	1.32	1.11	0.29
5.45	0.78	0.58	0.18	8.05	1.34	1.12	0.29
5.50	0.79	0.59	0.18	8.10	1.35	1.13	0.29
5.55	0.80	0.59	0.18	8.15	1.36	1.15	0.29
5.60	0.80	0.60	0.18	8.20	1.38	1.16	0.30
5.65	0.81	0.61	0.18	8.25	1.39	1.17	0.30
5.70	0.82	0.62	0.18	8.30	1.40	1.19	0.30
5.75	0.83	0.63	0.18	8.35	1.42	1.20	0.30
5.80	0.84	0.64	0.18	8.40	1.43	1.21	0.31
5.85	0.85	0.64	0.19	8.45	1.45	1.23	0.31
5.90	0.86	0.65	0.19	8.50	1.46	1.24	0.31
5.95	0.87	0.66	0.19	8.55	1.48	1.26	0.31
6.00	0.87	0.67	0.19	8.60	1.49	1.27	0.32
6.05	0.88	0.68	0.19	8.65	1.51	1.29	0.32
6.10	0.89	0.69	0.19	8.70	1.52	1.30	0.32
6.15	0.90	0.70	0.20	8.75	1.54	1.32	0.32
6.20	0.91	0.71	0.20	8.80	1.55	1.33	0.32
6.25	0.92	0.71	0.20	8.85	1.57	1.35	0.33
6.30	0.93	0.72	0.20	8.90	1.58	1.36	0.33
6.35	0.94	0.73	0.21	8.95	1.60	1.38	0.33
6.40	0.95	0.74	0.21	9.00	1.61	1.39	0.34
6.45	0.96	0.75	0.21	9.05	1.63	1.41	0.35
6.50	0.97	0.76	0.21	9.10	1.64	1.42	0.35
6.55	0.98	0.77	0.22	9.15	1.66	1.44	0.36
6.60	0.99	0.78	0.22	9.20	1.68	1.46	0.37
6.65	1.00	0.79	0.22	9.25	1.70	1.47	0.38
6.70	1.01	0.80	0.22	9.30	1.72	1.49	0.39
6.75	1.02	0.81	0.22	9.35	1.73	1.51	0.40
6.80	1.03	0.82	0.23	9.40	1.75	1.53	0.41
6.85	1.04	0.83	0.23	9.45	1.77	1.55	0.42
6.90	1.05	0.84	0.23	9.50	1.79	1.57	0.43
6.95	1.07	0.85	0.23	9.55	1.81	1.59	0.44
7.00	1.08	0.87	0.24	9.60	1.83	1.61	0.44
7.05	1.09	0.88	0.24	9.65	1.85	1.63	0.46
7.10	1.10	0.89	0.24	9.70	1.88	1.65	0.46
7.15	1.11	0.90	0.24	9.75	1.90	1.67	0.47
7.20	1.12	0.91	0.25	9.80	1.92	1.69	0.48
7.25	1.13	0.92	0.25	9.85	1.94	1.72	0.49
7.30	1.15	0.93	0.25	9.90	1.97	1.74	0.50
7.35	1.16	0.94	0.25	9.95	1.99	1.76	0.51
7.40	1.17	0.96	0.26	10.00	2.01	1.79	0.52
7.45	1.18	0.97	0.26	10.05	2.04	1.81	0.53
7.50	1.19	0.98	0.26	10.10	2.06	1.84	0.53
7.55	1.21	0.99	0.26	10.15	2.09	1.86	0.55
7.60	1.22	1.00	0.27	10.20	2.11	1.89	0.55
7.65	1.23	1.02	0.27	10.25	2.14	1.91	0.56
7.70	1.24	1.03	0.27	10.30	2.17	1.94	0.57
7.75	1.26	1.04	0.27	10.35	2.19	1.97	0.58

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	1.99	0.59	13.00	8.39	8.15	1.09
10.45	2.25	2.02	0.60	13.05	8.43	8.19	1.01
10.50	2.28	2.05	0.61	13.10	8.48	8.24	0.96
10.55	2.31	2.08	0.65	13.15	8.52	8.28	0.92
10.60	2.34	2.11	0.68	13.20	8.56	8.32	0.89
10.65	2.37	2.14	0.72	13.25	8.60	8.36	0.85
10.70	2.41	2.18	0.75	13.30	8.63	8.39	0.82
10.75	2.44	2.21	0.79	13.35	8.67	8.43	0.78
10.80	2.48	2.25	0.82	13.40	8.70	8.46	0.75
10.85	2.52	2.29	0.86	13.45	8.73	8.49	0.71
10.90	2.56	2.33	0.88	13.50	8.76	8.52	0.68
10.95	2.61	2.38	0.93	13.55	8.79	8.55	0.64
11.00	2.65	2.42	0.96	13.60	8.82	8.58	0.62
11.05	2.70	2.47	1.03	13.65	8.85	8.61	0.60
11.10	2.75	2.52	1.08	13.70	8.87	8.63	0.59
11.15	2.80	2.57	1.16	13.75	8.90	8.66	0.58
11.20	2.86	2.63	1.21	13.80	8.93	8.69	0.58
11.25	2.92	2.69	1.29	13.85	8.95	8.71	0.57
11.30	2.98	2.75	1.34	13.90	8.98	8.74	0.56
11.35	3.05	2.82	1.42	13.95	9.00	8.76	0.55
11.40	3.12	2.89	1.47	14.00	9.03	8.79	0.54
11.45	3.19	2.96	1.54	14.05	9.05	8.81	0.53
11.50	3.26	3.03	1.59	14.10	9.07	8.83	0.52
11.55	3.37	3.14	2.09	14.15	9.10	8.86	0.51
11.60	3.49	3.25	2.41	14.20	9.12	8.88	0.50
11.65	3.60	3.37	2.52	14.25	9.14	8.90	0.49
11.70	3.72	3.49	2.58	14.30	9.16	8.92	0.49
11.75	3.88	3.65	3.14	14.35	9.19	8.95	0.47
11.80	4.04	3.81	3.51	14.40	9.21	8.97	0.47
11.85	4.27	4.03	4.34	14.45	9.23	8.99	0.46
11.90	4.49	4.25	4.90	14.50	9.25	9.01	0.45
11.95	4.88	4.64	7.02	14.55	9.27	9.03	0.44
12.00	5.26	5.02	8.42	14.60	9.29	9.05	0.43
12.05	5.91	5.67	11.84	14.65	9.31	9.07	0.42
12.10	6.55	6.31	**13.79**	14.70	9.32	9.08	0.41
12.15	6.77	6.53	8.62	14.75	9.34	9.10	0.40
12.20	7.00	6.76	5.23	14.80	9.36	9.12	0.40
12.25	7.16	6.92	4.11	14.85	9.38	9.14	0.38
12.30	7.32	7.08	3.57	14.90	9.40	9.15	0.38
12.35	7.44	7.20	2.97	14.95	9.41	9.17	0.36
12.40	7.55	7.31	2.61	15.00	9.43	9.19	0.36
12.45	7.67	7.43	2.50	15.05	9.44	9.20	0.35
12.50	7.78	7.54	2.44	15.10	9.46	9.22	0.34
12.55	7.85	7.61	1.93	15.15	9.47	9.23	0.34
12.60	7.92	7.68	1.61	15.20	9.49	9.25	0.33
12.65	7.99	7.75	1.52	15.25	9.50	9.26	0.33
12.70	8.06	7.82	1.48	15.30	9.52	9.28	0.33
12.75	8.12	7.88	1.40	15.35	9.53	9.29	0.33
12.80	8.18	7.94	1.35	15.40	9.55	9.31	0.33
12.85	8.24	8.00	1.27	15.45	9.56	9.32	0.32
12.90	8.29	8.05	1.22	15.50	9.58	9.34	0.32
12.95	8.34	8.10	1.14	15.55	9.59	9.35	0.32

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	9.37	0.32	18.20	10.20	9.96	0.19
15.65	9.62	9.38	0.31	18.25	10.21	9.97	0.19
15.70	9.64	9.39	0.31	18.30	10.22	9.98	0.19
15.75	9.65	9.41	0.31	18.35	10.23	9.99	0.19
15.80	9.66	9.42	0.31	18.40	10.24	9.99	0.19
15.85	9.68	9.44	0.30	18.45	10.24	10.00	0.19
15.90	9.69	9.45	0.30	18.50	10.25	10.01	0.19
15.95	9.70	9.46	0.30	18.55	10.26	10.02	0.19
16.00	9.72	9.48	0.30	18.60	10.27	10.03	0.19
16.05	9.73	9.49	0.29	18.65	10.28	10.04	0.19
16.10	9.74	9.50	0.29	18.70	10.29	10.05	0.19
16.15	9.76	9.52	0.29	18.75	10.30	10.05	0.19
16.20	9.77	9.53	0.29	18.80	10.30	10.06	0.19
16.25	9.78	9.54	0.28	18.85	10.31	10.07	0.19
16.30	9.80	9.55	0.28	18.90	10.32	10.08	0.19
16.35	9.81	9.57	0.28	18.95	10.33	10.09	0.18
16.40	9.82	9.58	0.28	19.00	10.34	10.10	0.18
16.45	9.83	9.59	0.27	19.05	10.35	10.11	0.18
16.50	9.85	9.60	0.27	19.10	10.35	10.11	0.18
16.55	9.86	9.62	0.27	19.15	10.36	10.12	0.18
16.60	9.87	9.63	0.27	19.20	10.37	10.13	0.18
16.65	9.88	9.64	0.26	19.25	10.38	10.14	0.18
16.70	9.89	9.65	0.26	19.30	10.39	10.15	0.18
16.75	9.91	9.66	0.26	19.35	10.40	10.15	0.18
16.80	9.92	9.68	0.26	19.40	10.40	10.16	0.18
16.85	9.93	9.69	0.25	19.45	10.41	10.17	0.18
16.90	9.94	9.70	0.25	19.50	10.42	10.18	0.18
16.95	9.95	9.71	0.25	19.55	10.43	10.19	0.18
17.00	9.96	9.72	0.25	19.60	10.44	10.20	0.18
17.05	9.97	9.73	0.25	19.65	10.44	10.20	0.18
17.10	9.99	9.74	0.24	19.70	10.45	10.21	0.18
17.15	10.00	9.76	0.24	19.75	10.46	10.22	0.18
17.20	10.01	9.77	0.24	19.80	10.47	10.23	0.18
17.25	10.02	9.78	0.24	19.85	10.48	10.24	0.17
17.30	10.03	9.79	0.23	19.90	10.48	10.24	0.17
17.35	10.04	9.80	0.23	19.95	10.49	10.25	0.17
17.40	10.05	9.81	0.23	20.00	10.50	10.26	0.17
17.45	10.06	9.82	0.23	20.05	10.51	10.27	0.17
17.50	10.07	9.83	0.22	20.10	10.52	10.27	0.17
17.55	10.08	9.84	0.22	20.15	10.52	10.28	0.17
17.60	10.09	9.85	0.22	20.20	10.53	10.29	0.17
17.65	10.10	9.86	0.22	20.25	10.54	10.30	0.17
17.70	10.11	9.87	0.21	20.30	10.55	10.31	0.17
17.75	10.12	9.88	0.21	20.35	10.55	10.31	0.17
17.80	10.13	9.89	0.21	20.40	10.56	10.32	0.17
17.85	10.14	9.90	0.21	20.45	10.57	10.33	0.17
17.90	10.15	9.91	0.20	20.50	10.58	10.34	0.17
17.95	10.16	9.92	0.20	20.55	10.58	10.34	0.17
18.00	10.17	9.92	0.20	20.60	10.59	10.35	0.17
18.05	10.17	9.93	0.20	20.65	10.60	10.36	0.16
18.10	10.18	9.94	0.20	20.70	10.61	10.37	0.16
18.15	10.19	9.95	0.19	20.75	10.61	10.37	0.16

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	10.38	0.16	23.40	10.97	10.73	0.13
20.85	10.63	10.39	0.16	23.45	10.97	10.73	0.13
20.90	10.64	10.39	0.16	23.50	10.98	10.74	0.13
20.95	10.64	10.40	0.16	23.55	10.99	10.74	0.13
21.00	10.65	10.41	0.16	23.60	10.99	10.75	0.13
21.05	10.66	10.42	0.16	23.65	11.00	10.76	0.13
21.10	10.66	10.42	0.16	23.70	11.00	10.76	0.13
21.15	10.67	10.43	0.16	23.75	11.01	10.77	0.13
21.20	10.68	10.44	0.16	23.80	11.01	10.77	0.13
21.25	10.69	10.45	0.16	23.85	11.02	10.78	0.13
21.30	10.69	10.45	0.16	23.90	11.03	10.78	0.13
21.35	10.70	10.46	0.16	23.95	11.03	10.79	0.14
21.40	10.71	10.47	0.16	24.00	**11.04**	**10.80**	0.15
21.45	10.71	10.47	0.15	24.05	11.04	10.80	0.06
21.50	10.72	10.48	0.15	24.10	11.04	10.80	0.01
21.55	10.73	10.49	0.15	24.15	11.04	10.80	0.00
21.60	10.74	10.49	0.15	24.20	11.04	10.80	0.00
21.65	10.74	10.50	0.15	24.25	11.04	10.80	0.00
21.70	10.75	10.51	0.15	24.30	11.04	10.80	0.00
21.75	10.76	10.52	0.15	24.35	11.04	10.80	0.00
21.80	10.76	10.52	0.15	24.40	11.04	10.80	0.00
21.85	10.77	10.53	0.15	24.45	11.04	10.80	0.00
21.90	10.78	10.54	0.15	24.50	11.04	10.80	0.00
21.95	10.78	10.54	0.15	24.55	11.04	10.80	0.00
22.00	10.79	10.55	0.15	24.60	11.04	10.80	0.00
22.05	10.80	10.56	0.15	24.65	11.04	10.80	0.00
22.10	10.80	10.56	0.15	24.70	11.04	10.80	0.00
22.15	10.81	10.57	0.15	24.75	11.04	10.80	0.00
22.20	10.82	10.58	0.15	24.80	11.04	10.80	0.00
22.25	10.82	10.58	0.15	24.85	11.04	10.80	0.00
22.30	10.83	10.59	0.14	24.90	11.04	10.80	0.00
22.35	10.84	10.60	0.14	24.95	11.04	10.80	0.00
22.40	10.84	10.60	0.14	25.00	11.04	10.80	0.00
22.45	10.85	10.61	0.14	25.05	11.04	10.80	0.00
22.50	10.86	10.62	0.14	25.10	11.04	10.80	0.00
22.55	10.86	10.62	0.14	25.15	11.04	10.80	0.00
22.60	10.87	10.63	0.14	25.20	11.04	10.80	0.00
22.65	10.88	10.63	0.14	25.25	11.04	10.80	0.00
22.70	10.88	10.64	0.14	25.30	11.04	10.80	0.00
22.75	10.89	10.65	0.14	25.35	11.04	10.80	0.00
22.80	10.89	10.65	0.14	25.40	11.04	10.80	0.00
22.85	10.90	10.66	0.14	25.45	11.04	10.80	0.00
22.90	10.91	10.67	0.14	25.50	11.04	10.80	0.00
22.95	10.91	10.67	0.14	25.55	11.04	10.80	0.00
23.00	10.92	10.68	0.14	25.60	11.04	10.80	0.00
23.05	10.93	10.68	0.14	25.65	11.04	10.80	0.00
23.10	10.93	10.69	0.13	25.70	11.04	10.80	0.00
23.15	10.94	10.70	0.13	25.75	11.04	10.80	0.00
23.20	10.94	10.70	0.13	25.80	11.04	10.80	0.00
23.25	10.95	10.71	0.13	25.85	11.04	10.80	0.00
23.30	10.96	10.71	0.13	25.90	11.04	10.80	0.00
23.35	10.96	10.72	0.13	25.95	11.04	10.80	0.00

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	10.80	0.00	28.60	11.04	10.80	0.00
26.05	11.04	10.80	0.00	28.65	11.04	10.80	0.00
26.10	11.04	10.80	0.00	28.70	11.04	10.80	0.00
26.15	11.04	10.80	0.00	28.75	11.04	10.80	0.00
26.20	11.04	10.80	0.00	28.80	11.04	10.80	0.00
26.25	11.04	10.80	0.00	28.85	11.04	10.80	0.00
26.30	11.04	10.80	0.00	28.90	11.04	10.80	0.00
26.35	11.04	10.80	0.00	28.95	11.04	10.80	0.00
26.40	11.04	10.80	0.00	29.00	11.04	10.80	0.00
26.45	11.04	10.80	0.00	29.05	11.04	10.80	0.00
26.50	11.04	10.80	0.00	29.10	11.04	10.80	0.00
26.55	11.04	10.80	0.00	29.15	11.04	10.80	0.00
26.60	11.04	10.80	0.00	29.20	11.04	10.80	0.00
26.65	11.04	10.80	0.00	29.25	11.04	10.80	0.00
26.70	11.04	10.80	0.00	29.30	11.04	10.80	0.00
26.75	11.04	10.80	0.00	29.35	11.04	10.80	0.00
26.80	11.04	10.80	0.00	29.40	11.04	10.80	0.00
26.85	11.04	10.80	0.00	29.45	11.04	10.80	0.00
26.90	11.04	10.80	0.00	29.50	11.04	10.80	0.00
26.95	11.04	10.80	0.00	29.55	11.04	10.80	0.00
27.00	11.04	10.80	0.00	29.60	11.04	10.80	0.00
27.05	11.04	10.80	0.00	29.65	11.04	10.80	0.00
27.10	11.04	10.80	0.00	29.70	11.04	10.80	0.00
27.15	11.04	10.80	0.00	29.75	11.04	10.80	0.00
27.20	11.04	10.80	0.00	29.80	11.04	10.80	0.00
27.25	11.04	10.80	0.00	29.85	11.04	10.80	0.00
27.30	11.04	10.80	0.00	29.90	11.04	10.80	0.00
27.35	11.04	10.80	0.00	29.95	11.04	10.80	0.00
27.40	11.04	10.80	0.00	30.00	11.04	10.80	0.00
27.45	11.04	10.80	0.00	30.05	11.04	10.80	0.00
27.50	11.04	10.80	0.00	30.10	11.04	10.80	0.00
27.55	11.04	10.80	0.00	30.15	11.04	10.80	0.00
27.60	11.04	10.80	0.00	30.20	11.04	10.80	0.00
27.65	11.04	10.80	0.00	30.25	11.04	10.80	0.00
27.70	11.04	10.80	0.00	30.30	11.04	10.80	0.00
27.75	11.04	10.80	0.00	30.35	11.04	10.80	0.00
27.80	11.04	10.80	0.00	30.40	11.04	10.80	0.00
27.85	11.04	10.80	0.00	30.45	11.04	10.80	0.00
27.90	11.04	10.80	0.00	30.50	11.04	10.80	0.00
27.95	11.04	10.80	0.00	30.55	11.04	10.80	0.00
28.00	11.04	10.80	0.00	30.60	11.04	10.80	0.00
28.05	11.04	10.80	0.00	30.65	11.04	10.80	0.00
28.10	11.04	10.80	0.00	30.70	11.04	10.80	0.00
28.15	11.04	10.80	0.00	30.75	11.04	10.80	0.00
28.20	11.04	10.80	0.00	30.80	11.04	10.80	0.00
28.25	11.04	10.80	0.00	30.85	11.04	10.80	0.00
28.30	11.04	10.80	0.00	30.90	11.04	10.80	0.00
28.35	11.04	10.80	0.00	30.95	11.04	10.80	0.00
28.40	11.04	10.80	0.00	31.00	11.04	10.80	0.00
28.45	11.04	10.80	0.00	31.05	11.04	10.80	0.00
28.50	11.04	10.80	0.00	31.10	11.04	10.80	0.00
28.55	11.04	10.80	0.00	31.15	11.04	10.80	0.00

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	10.80	0.00	33.80	11.04	10.80	0.00
31.25	11.04	10.80	0.00	33.85	11.04	10.80	0.00
31.30	11.04	10.80	0.00	33.90	11.04	10.80	0.00
31.35	11.04	10.80	0.00	33.95	11.04	10.80	0.00
31.40	11.04	10.80	0.00	34.00	11.04	10.80	0.00
31.45	11.04	10.80	0.00	34.05	11.04	10.80	0.00
31.50	11.04	10.80	0.00	34.10	11.04	10.80	0.00
31.55	11.04	10.80	0.00	34.15	11.04	10.80	0.00
31.60	11.04	10.80	0.00	34.20	11.04	10.80	0.00
31.65	11.04	10.80	0.00	34.25	11.04	10.80	0.00
31.70	11.04	10.80	0.00	34.30	11.04	10.80	0.00
31.75	11.04	10.80	0.00	34.35	11.04	10.80	0.00
31.80	11.04	10.80	0.00	34.40	11.04	10.80	0.00
31.85	11.04	10.80	0.00	34.45	11.04	10.80	0.00
31.90	11.04	10.80	0.00	34.50	11.04	10.80	0.00
31.95	11.04	10.80	0.00	34.55	11.04	10.80	0.00
32.00	11.04	10.80	0.00	34.60	11.04	10.80	0.00
32.05	11.04	10.80	0.00	34.65	11.04	10.80	0.00
32.10	11.04	10.80	0.00	34.70	11.04	10.80	0.00
32.15	11.04	10.80	0.00	34.75	11.04	10.80	0.00
32.20	11.04	10.80	0.00	34.80	11.04	10.80	0.00
32.25	11.04	10.80	0.00	34.85	11.04	10.80	0.00
32.30	11.04	10.80	0.00	34.90	11.04	10.80	0.00
32.35	11.04	10.80	0.00	34.95	11.04	10.80	0.00
32.40	11.04	10.80	0.00	35.00	11.04	10.80	0.00
32.45	11.04	10.80	0.00	35.05	11.04	10.80	0.00
32.50	11.04	10.80	0.00	35.10	11.04	10.80	0.00
32.55	11.04	10.80	0.00	35.15	11.04	10.80	0.00
32.60	11.04	10.80	0.00	35.20	11.04	10.80	0.00
32.65	11.04	10.80	0.00	35.25	11.04	10.80	0.00
32.70	11.04	10.80	0.00	35.30	11.04	10.80	0.00
32.75	11.04	10.80	0.00	35.35	11.04	10.80	0.00
32.80	11.04	10.80	0.00	35.40	11.04	10.80	0.00
32.85	11.04	10.80	0.00	35.45	11.04	10.80	0.00
32.90	11.04	10.80	0.00	35.50	11.04	10.80	0.00
32.95	11.04	10.80	0.00	35.55	11.04	10.80	0.00
33.00	11.04	10.80	0.00	35.60	11.04	10.80	0.00
33.05	11.04	10.80	0.00	35.65	11.04	10.80	0.00
33.10	11.04	10.80	0.00	35.70	11.04	10.80	0.00
33.15	11.04	10.80	0.00	35.75	11.04	10.80	0.00
33.20	11.04	10.80	0.00	35.80	11.04	10.80	0.00
33.25	11.04	10.80	0.00	35.85	11.04	10.80	0.00
33.30	11.04	10.80	0.00	35.90	11.04	10.80	0.00
33.35	11.04	10.80	0.00	35.95	11.04	10.80	0.00
33.40	11.04	10.80	0.00	36.00	11.04	10.80	0.00
33.45	11.04	10.80	0.00	36.05	11.04	10.80	0.00
33.50	11.04	10.80	0.00	36.10	11.04	10.80	0.00
33.55	11.04	10.80	0.00	36.15	11.04	10.80	0.00
33.60	11.04	10.80	0.00	36.20	11.04	10.80	0.00
33.65	11.04	10.80	0.00	36.25	11.04	10.80	0.00
33.70	11.04	10.80	0.00	36.30	11.04	10.80	0.00
33.75	11.04	10.80	0.00	36.35	11.04	10.80	0.00

Hydrograph for Subcatchment 55l: PDA-55 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	10.80	0.00
36.45	11.04	10.80	0.00
36.50	11.04	10.80	0.00
36.55	11.04	10.80	0.00
36.60	11.04	10.80	0.00
36.65	11.04	10.80	0.00
36.70	11.04	10.80	0.00
36.75	11.04	10.80	0.00
36.80	11.04	10.80	0.00
36.85	11.04	10.80	0.00
36.90	11.04	10.80	0.00
36.95	11.04	10.80	0.00
37.00	11.04	10.80	0.00
37.05	11.04	10.80	0.00
37.10	11.04	10.80	0.00
37.15	11.04	10.80	0.00
37.20	11.04	10.80	0.00
37.25	11.04	10.80	0.00
37.30	11.04	10.80	0.00
37.35	11.04	10.80	0.00
37.40	11.04	10.80	0.00
37.45	11.04	10.80	0.00
37.50	11.04	10.80	0.00
37.55	11.04	10.80	0.00
37.60	11.04	10.80	0.00
37.65	11.04	10.80	0.00
37.70	11.04	10.80	0.00
37.75	11.04	10.80	0.00
37.80	11.04	10.80	0.00
37.85	11.04	10.80	0.00
37.90	11.04	10.80	0.00
37.95	11.04	10.80	0.00
38.00	11.04	10.80	0.00
38.05	11.04	10.80	0.00
38.10	11.04	10.80	0.00
38.15	11.04	10.80	0.00
38.20	11.04	10.80	0.00
38.25	11.04	10.80	0.00
38.30	11.04	10.80	0.00
38.35	11.04	10.80	0.00
38.40	11.04	10.80	0.00
38.45	11.04	10.80	0.00
38.50	11.04	10.80	0.00
38.55	11.04	10.80	0.00
38.60	11.04	10.80	0.00
38.65	11.04	10.80	0.00
38.70	11.04	10.80	0.00
38.75	11.04	10.80	0.00
38.80	11.04	10.80	0.00
38.85	11.04	10.80	0.00
38.90	11.04	10.80	0.00
38.95	11.04	10.80	0.00
39.00	11.04	10.80	0.00
39.05	11.04	10.80	0.00
39.10	11.04	10.80	0.00
39.15	11.04	10.80	0.00
39.20	11.04	10.80	0.00
39.25	11.04	10.80	0.00
39.30	11.04	10.80	0.00
39.35	11.04	10.80	0.00
39.40	11.04	10.80	0.00
39.45	11.04	10.80	0.00
39.50	11.04	10.80	0.00
39.55	11.04	10.80	0.00
39.60	11.04	10.80	0.00
39.65	11.04	10.80	0.00
39.70	11.04	10.80	0.00
39.75	11.04	10.80	0.00
39.80	11.04	10.80	0.00
39.85	11.04	10.80	0.00
39.90	11.04	10.80	0.00
39.95	11.04	10.80	0.00
40.00	11.04	10.80	0.00

Summary for Subcatchment 55P: PDA-55 (pervious)

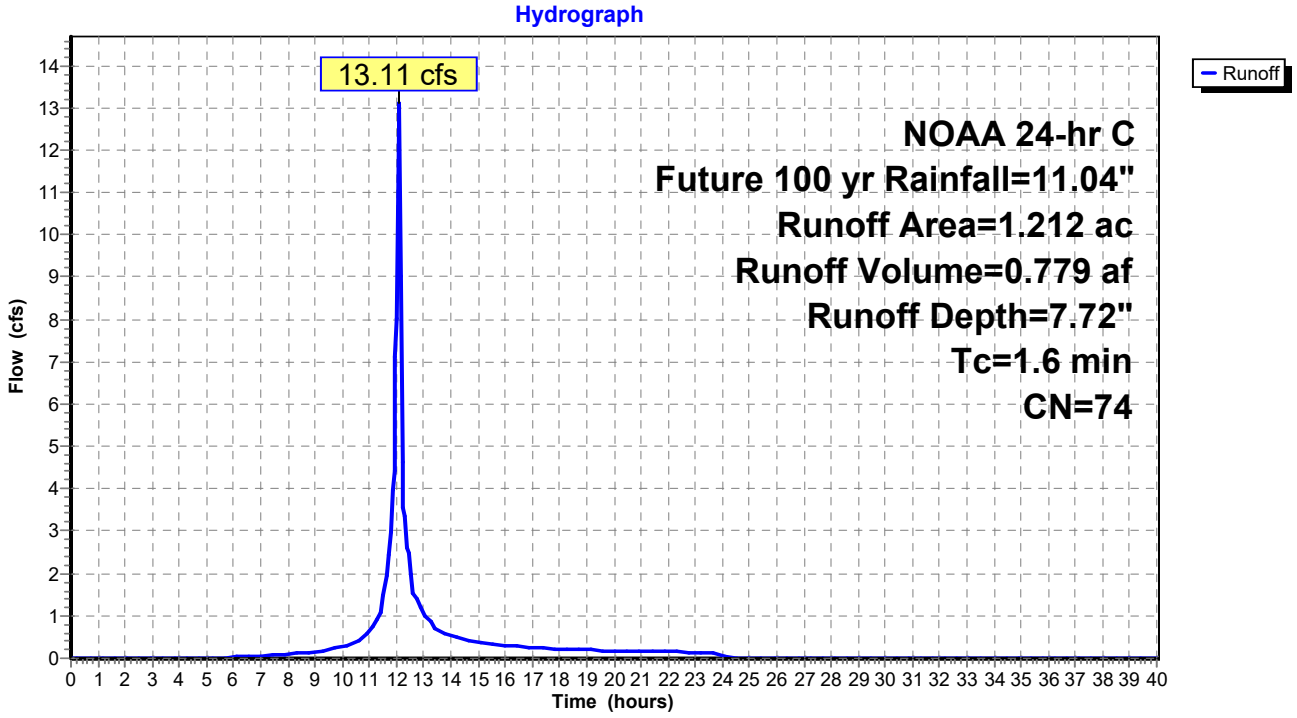
Runoff = 13.11 cfs @ 12.07 hrs, Volume= 0.779 af, Depth= 7.72"
Routed to Pond B-55 : Basin #55

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

Area (ac)	CN	Description
1.212	74	>75% Grass cover, Good, HSG C
1.212		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.6					**Direct Entry,**

Subcatchment 55P: PDA-55 (pervious)



Hydrograph for Subcatchment 55P: PDA-55 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.34	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.35	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.35	0.00	0.00
0.20	0.03	0.00	0.00	2.80	0.36	0.00	0.00
0.25	0.03	0.00	0.00	2.85	0.37	0.00	0.00
0.30	0.04	0.00	0.00	2.90	0.38	0.00	0.00
0.35	0.04	0.00	0.00	2.95	0.38	0.00	0.00
0.40	0.05	0.00	0.00	3.00	0.39	0.00	0.00
0.45	0.05	0.00	0.00	3.05	0.40	0.00	0.00
0.50	0.06	0.00	0.00	3.10	0.40	0.00	0.00
0.55	0.07	0.00	0.00	3.15	0.41	0.00	0.00
0.60	0.07	0.00	0.00	3.20	0.42	0.00	0.00
0.65	0.08	0.00	0.00	3.25	0.43	0.00	0.00
0.70	0.08	0.00	0.00	3.30	0.43	0.00	0.00
0.75	0.09	0.00	0.00	3.35	0.44	0.00	0.00
0.80	0.10	0.00	0.00	3.40	0.45	0.00	0.00
0.85	0.10	0.00	0.00	3.45	0.46	0.00	0.00
0.90	0.11	0.00	0.00	3.50	0.46	0.00	0.00
0.95	0.11	0.00	0.00	3.55	0.47	0.00	0.00
1.00	0.12	0.00	0.00	3.60	0.48	0.00	0.00
1.05	0.13	0.00	0.00	3.65	0.49	0.00	0.00
1.10	0.13	0.00	0.00	3.70	0.49	0.00	0.00
1.15	0.14	0.00	0.00	3.75	0.50	0.00	0.00
1.20	0.15	0.00	0.00	3.80	0.51	0.00	0.00
1.25	0.15	0.00	0.00	3.85	0.52	0.00	0.00
1.30	0.16	0.00	0.00	3.90	0.52	0.00	0.00
1.35	0.16	0.00	0.00	3.95	0.53	0.00	0.00
1.40	0.17	0.00	0.00	4.00	0.54	0.00	0.00
1.45	0.18	0.00	0.00	4.05	0.55	0.00	0.00
1.50	0.18	0.00	0.00	4.10	0.56	0.00	0.00
1.55	0.19	0.00	0.00	4.15	0.56	0.00	0.00
1.60	0.20	0.00	0.00	4.20	0.57	0.00	0.00
1.65	0.20	0.00	0.00	4.25	0.58	0.00	0.00
1.70	0.21	0.00	0.00	4.30	0.59	0.00	0.00
1.75	0.22	0.00	0.00	4.35	0.60	0.00	0.00
1.80	0.22	0.00	0.00	4.40	0.60	0.00	0.00
1.85	0.23	0.00	0.00	4.45	0.61	0.00	0.00
1.90	0.24	0.00	0.00	4.50	0.62	0.00	0.00
1.95	0.24	0.00	0.00	4.55	0.63	0.00	0.00
2.00	0.25	0.00	0.00	4.60	0.64	0.00	0.00
2.05	0.26	0.00	0.00	4.65	0.64	0.00	0.00
2.10	0.26	0.00	0.00	4.70	0.65	0.00	0.00
2.15	0.27	0.00	0.00	4.75	0.66	0.00	0.00
2.20	0.28	0.00	0.00	4.80	0.67	0.00	0.00
2.25	0.28	0.00	0.00	4.85	0.68	0.00	0.00
2.30	0.29	0.00	0.00	4.90	0.69	0.00	0.00
2.35	0.30	0.00	0.00	4.95	0.69	0.00	0.00
2.40	0.30	0.00	0.00	5.00	0.70	0.00	0.00
2.45	0.31	0.00	0.00	5.05	0.71	0.00	0.00
2.50	0.32	0.00	0.00	5.10	0.72	0.00	0.00
2.55	0.33	0.00	0.00	5.15	0.73	0.00	0.00

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.00	0.00	7.80	1.27	0.08	0.08
5.25	0.74	0.00	0.00	7.85	1.28	0.08	0.08
5.30	0.75	0.00	0.01	7.90	1.30	0.09	0.09
5.35	0.76	0.00	0.01	7.95	1.31	0.09	0.09
5.40	0.77	0.00	0.01	8.00	1.32	0.09	0.09
5.45	0.78	0.00	0.01	8.05	1.34	0.10	0.09
5.50	0.79	0.00	0.01	8.10	1.35	0.10	0.09
5.55	0.80	0.00	0.01	8.15	1.36	0.10	0.10
5.60	0.80	0.00	0.01	8.20	1.38	0.11	0.10
5.65	0.81	0.00	0.01	8.25	1.39	0.11	0.10
5.70	0.82	0.00	0.01	8.30	1.40	0.12	0.10
5.75	0.83	0.00	0.01	8.35	1.42	0.12	0.11
5.80	0.84	0.01	0.02	8.40	1.43	0.13	0.11
5.85	0.85	0.01	0.02	8.45	1.45	0.13	0.11
5.90	0.86	0.01	0.02	8.50	1.46	0.13	0.11
5.95	0.87	0.01	0.02	8.55	1.48	0.14	0.12
6.00	0.87	0.01	0.02	8.60	1.49	0.14	0.12
6.05	0.88	0.01	0.02	8.65	1.51	0.15	0.12
6.10	0.89	0.01	0.02	8.70	1.52	0.15	0.12
6.15	0.90	0.01	0.02	8.75	1.54	0.16	0.13
6.20	0.91	0.01	0.02	8.80	1.55	0.16	0.13
6.25	0.92	0.01	0.03	8.85	1.57	0.17	0.13
6.30	0.93	0.01	0.03	8.90	1.58	0.18	0.13
6.35	0.94	0.02	0.03	8.95	1.60	0.18	0.14
6.40	0.95	0.02	0.03	9.00	1.61	0.19	0.14
6.45	0.96	0.02	0.03	9.05	1.63	0.19	0.15
6.50	0.97	0.02	0.03	9.10	1.64	0.20	0.15
6.55	0.98	0.02	0.03	9.15	1.66	0.21	0.16
6.60	0.99	0.02	0.04	9.20	1.68	0.21	0.16
6.65	1.00	0.02	0.04	9.25	1.70	0.22	0.17
6.70	1.01	0.02	0.04	9.30	1.72	0.23	0.17
6.75	1.02	0.03	0.04	9.35	1.73	0.23	0.18
6.80	1.03	0.03	0.04	9.40	1.75	0.24	0.19
6.85	1.04	0.03	0.04	9.45	1.77	0.25	0.20
6.90	1.05	0.03	0.05	9.50	1.79	0.26	0.20
6.95	1.07	0.03	0.05	9.55	1.81	0.27	0.21
7.00	1.08	0.04	0.05	9.60	1.83	0.28	0.21
7.05	1.09	0.04	0.05	9.65	1.85	0.28	0.22
7.10	1.10	0.04	0.05	9.70	1.88	0.29	0.23
7.15	1.11	0.04	0.05	9.75	1.90	0.30	0.24
7.20	1.12	0.04	0.06	9.80	1.92	0.31	0.24
7.25	1.13	0.05	0.06	9.85	1.94	0.32	0.25
7.30	1.15	0.05	0.06	9.90	1.97	0.33	0.26
7.35	1.16	0.05	0.06	9.95	1.99	0.34	0.27
7.40	1.17	0.05	0.06	10.00	2.01	0.36	0.27
7.45	1.18	0.06	0.07	10.05	2.04	0.37	0.28
7.50	1.19	0.06	0.07	10.10	2.06	0.38	0.29
7.55	1.21	0.06	0.07	10.15	2.09	0.39	0.30
7.60	1.22	0.07	0.07	10.20	2.11	0.40	0.30
7.65	1.23	0.07	0.07	10.25	2.14	0.42	0.32
7.70	1.24	0.07	0.08	10.30	2.17	0.43	0.32
7.75	1.26	0.08	0.08	10.35	2.19	0.44	0.33

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	0.46	0.34	13.00	8.39	5.28	1.08
10.45	2.25	0.47	0.35	13.05	8.43	5.32	0.98
10.50	2.28	0.49	0.36	13.10	8.48	5.36	0.96
10.55	2.31	0.50	0.40	13.15	8.52	5.39	0.90
10.60	2.34	0.52	0.41	13.20	8.56	5.43	0.89
10.65	2.37	0.54	0.45	13.25	8.60	5.46	0.83
10.70	2.41	0.56	0.46	13.30	8.63	5.50	0.82
10.75	2.44	0.58	0.50	13.35	8.67	5.53	0.76
10.80	2.48	0.60	0.51	13.40	8.70	5.56	0.75
10.85	2.52	0.62	0.55	13.45	8.73	5.59	0.70
10.90	2.56	0.64	0.57	13.50	8.76	5.61	0.68
10.95	2.61	0.67	0.61	13.55	8.79	5.64	0.63
11.00	2.65	0.69	0.63	13.60	8.82	5.67	0.62
11.05	2.70	0.72	0.71	13.65	8.85	5.69	0.60
11.10	2.75	0.75	0.73	13.70	8.87	5.71	0.60
11.15	2.80	0.79	0.81	13.75	8.90	5.74	0.58
11.20	2.86	0.82	0.84	13.80	8.93	5.76	0.58
11.25	2.92	0.86	0.93	13.85	8.95	5.79	0.57
11.30	2.98	0.90	0.95	13.90	8.98	5.81	0.56
11.35	3.05	0.94	1.04	13.95	9.00	5.83	0.55
11.40	3.12	0.98	1.07	14.00	9.03	5.85	0.55
11.45	3.19	1.03	1.14	14.05	9.05	5.88	0.53
11.50	3.26	1.08	1.22	14.10	9.07	5.90	0.53
11.55	3.37	1.15	1.78	14.15	9.10	5.92	0.51
11.60	3.49	1.23	1.87	14.20	9.12	5.94	0.51
11.65	3.60	1.31	1.99	14.25	9.14	5.96	0.49
11.70	3.72	1.39	2.10	14.30	9.16	5.98	0.49
11.75	3.88	1.51	2.76	14.35	9.19	6.00	0.48
11.80	4.04	1.63	2.98	14.40	9.21	6.02	0.47
11.85	4.27	1.79	3.98	14.45	9.23	6.04	0.46
11.90	4.49	1.96	4.44	14.50	9.25	6.06	0.46
11.95	4.88	2.27	7.10	14.55	9.27	6.07	0.44
12.00	5.26	2.57	8.03	14.60	9.29	6.09	0.44
12.05	5.91	3.11	**12.55**	14.65	9.31	6.11	0.42
12.10	6.55	3.65	12.54	14.70	9.32	6.13	0.42
12.15	6.77	3.85	5.47	14.75	9.34	6.14	0.40
12.20	7.00	4.04	4.63	14.80	9.36	6.16	0.40
12.25	7.16	4.18	3.56	14.85	9.38	6.17	0.39
12.30	7.32	4.32	3.37	14.90	9.40	6.19	0.38
12.35	7.44	4.43	2.61	14.95	9.41	6.21	0.37
12.40	7.55	4.53	2.53	15.00	9.43	6.22	0.36
12.45	7.67	4.63	2.43	15.05	9.44	6.23	0.35
12.50	7.78	4.73	2.34	15.10	9.46	6.25	0.35
12.55	7.85	4.79	1.64	15.15	9.47	6.26	0.34
12.60	7.92	4.86	1.56	15.20	9.49	6.28	0.34
12.65	7.99	4.92	1.48	15.25	9.50	6.29	0.34
12.70	8.06	4.98	1.46	15.30	9.52	6.30	0.34
12.75	8.12	5.03	1.36	15.35	9.53	6.32	0.33
12.80	8.18	5.09	1.34	15.40	9.55	6.33	0.33
12.85	8.24	5.14	1.23	15.45	9.56	6.34	0.33
12.90	8.29	5.19	1.21	15.50	9.58	6.36	0.33
12.95	8.34	5.23	1.10	15.55	9.59	6.37	0.32

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	6.38	0.32	18.20	10.20	6.93	0.20
15.65	9.62	6.40	0.32	18.25	10.21	6.94	0.20
15.70	9.64	6.41	0.32	18.30	10.22	6.95	0.20
15.75	9.65	6.42	0.31	18.35	10.23	6.96	0.20
15.80	9.66	6.44	0.31	18.40	10.24	6.97	0.20
15.85	9.68	6.45	0.31	18.45	10.24	6.97	0.20
15.90	9.69	6.46	0.31	18.50	10.25	6.98	0.20
15.95	9.70	6.47	0.30	18.55	10.26	6.99	0.20
16.00	9.72	6.49	0.30	18.60	10.27	7.00	0.20
16.05	9.73	6.50	0.30	18.65	10.28	7.01	0.19
16.10	9.74	6.51	0.30	18.70	10.29	7.01	0.19
16.15	9.76	6.52	0.30	18.75	10.30	7.02	0.19
16.20	9.77	6.54	0.29	18.80	10.30	7.03	0.19
16.25	9.78	6.55	0.29	18.85	10.31	7.04	0.19
16.30	9.80	6.56	0.29	18.90	10.32	7.04	0.19
16.35	9.81	6.57	0.29	18.95	10.33	7.05	0.19
16.40	9.82	6.58	0.28	19.00	10.34	7.06	0.19
16.45	9.83	6.59	0.28	19.05	10.35	7.07	0.19
16.50	9.85	6.60	0.28	19.10	10.35	7.08	0.19
16.55	9.86	6.62	0.28	19.15	10.36	7.08	0.19
16.60	9.87	6.63	0.27	19.20	10.37	7.09	0.19
16.65	9.88	6.64	0.27	19.25	10.38	7.10	0.19
16.70	9.89	6.65	0.27	19.30	10.39	7.11	0.19
16.75	9.91	6.66	0.26	19.35	10.40	7.11	0.19
16.80	9.92	6.67	0.26	19.40	10.40	7.12	0.19
16.85	9.93	6.68	0.26	19.45	10.41	7.13	0.18
16.90	9.94	6.69	0.26	19.50	10.42	7.14	0.18
16.95	9.95	6.70	0.26	19.55	10.43	7.14	0.18
17.00	9.96	6.71	0.26	19.60	10.44	7.15	0.18
17.05	9.97	6.72	0.25	19.65	10.44	7.16	0.18
17.10	9.99	6.73	0.25	19.70	10.45	7.17	0.18
17.15	10.00	6.74	0.25	19.75	10.46	7.17	0.18
17.20	10.01	6.75	0.25	19.80	10.47	7.18	0.18
17.25	10.02	6.76	0.24	19.85	10.48	7.19	0.18
17.30	10.03	6.77	0.24	19.90	10.48	7.20	0.18
17.35	10.04	6.78	0.24	19.95	10.49	7.20	0.18
17.40	10.05	6.79	0.24	20.00	10.50	7.21	0.18
17.45	10.06	6.80	0.23	20.05	10.51	7.22	0.18
17.50	10.07	6.81	0.23	20.10	10.52	7.23	0.18
17.55	10.08	6.82	0.23	20.15	10.52	7.23	0.18
17.60	10.09	6.83	0.23	20.20	10.53	7.24	0.18
17.65	10.10	6.84	0.22	20.25	10.54	7.25	0.17
17.70	10.11	6.85	0.22	20.30	10.55	7.25	0.17
17.75	10.12	6.86	0.22	20.35	10.55	7.26	0.17
17.80	10.13	6.87	0.22	20.40	10.56	7.27	0.17
17.85	10.14	6.87	0.21	20.45	10.57	7.28	0.17
17.90	10.15	6.88	0.21	20.50	10.58	7.28	0.17
17.95	10.16	6.89	0.21	20.55	10.58	7.29	0.17
18.00	10.17	6.90	0.21	20.60	10.59	7.30	0.17
18.05	10.17	6.91	0.20	20.65	10.60	7.30	0.17
18.10	10.18	6.92	0.20	20.70	10.61	7.31	0.17
18.15	10.19	6.92	0.20	20.75	10.61	7.32	0.17

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	7.32	0.17	23.40	10.97	7.65	0.14
20.85	10.63	7.33	0.17	23.45	10.97	7.65	0.14
20.90	10.64	7.34	0.17	23.50	10.98	7.66	0.13
20.95	10.64	7.34	0.17	23.55	10.99	7.66	0.13
21.00	10.65	7.35	0.17	23.60	10.99	7.67	0.13
21.05	10.66	7.36	0.16	23.65	11.00	7.67	0.13
21.10	10.66	7.36	0.16	23.70	11.00	7.68	0.13
21.15	10.67	7.37	0.16	23.75	11.01	7.69	0.13
21.20	10.68	7.38	0.16	23.80	11.01	7.69	0.13
21.25	10.69	7.38	0.16	23.85	11.02	7.70	0.13
21.30	10.69	7.39	0.16	23.90	11.03	7.70	0.13
21.35	10.70	7.40	0.16	23.95	11.03	7.71	0.16
21.40	10.71	7.40	0.16	24.00	**11.04**	**7.72**	0.15
21.45	10.71	7.41	0.16	24.05	11.04	7.72	0.01
21.50	10.72	7.42	0.16	24.10	11.04	7.72	0.00
21.55	10.73	7.42	0.16	24.15	11.04	7.72	0.00
21.60	10.74	7.43	0.16	24.20	11.04	7.72	0.00
21.65	10.74	7.44	0.16	24.25	11.04	7.72	0.00
21.70	10.75	7.44	0.16	24.30	11.04	7.72	0.00
21.75	10.76	7.45	0.16	24.35	11.04	7.72	0.00
21.80	10.76	7.46	0.16	24.40	11.04	7.72	0.00
21.85	10.77	7.46	0.16	24.45	11.04	7.72	0.00
21.90	10.78	7.47	0.15	24.50	11.04	7.72	0.00
21.95	10.78	7.48	0.15	24.55	11.04	7.72	0.00
22.00	10.79	7.48	0.15	24.60	11.04	7.72	0.00
22.05	10.80	7.49	0.15	24.65	11.04	7.72	0.00
22.10	10.80	7.49	0.15	24.70	11.04	7.72	0.00
22.15	10.81	7.50	0.15	24.75	11.04	7.72	0.00
22.20	10.82	7.51	0.15	24.80	11.04	7.72	0.00
22.25	10.82	7.51	0.15	24.85	11.04	7.72	0.00
22.30	10.83	7.52	0.15	24.90	11.04	7.72	0.00
22.35	10.84	7.53	0.15	24.95	11.04	7.72	0.00
22.40	10.84	7.53	0.15	25.00	11.04	7.72	0.00
22.45	10.85	7.54	0.15	25.05	11.04	7.72	0.00
22.50	10.86	7.54	0.15	25.10	11.04	7.72	0.00
22.55	10.86	7.55	0.15	25.15	11.04	7.72	0.00
22.60	10.87	7.56	0.15	25.20	11.04	7.72	0.00
22.65	10.88	7.56	0.15	25.25	11.04	7.72	0.00
22.70	10.88	7.57	0.14	25.30	11.04	7.72	0.00
22.75	10.89	7.57	0.14	25.35	11.04	7.72	0.00
22.80	10.89	7.58	0.14	25.40	11.04	7.72	0.00
22.85	10.90	7.58	0.14	25.45	11.04	7.72	0.00
22.90	10.91	7.59	0.14	25.50	11.04	7.72	0.00
22.95	10.91	7.60	0.14	25.55	11.04	7.72	0.00
23.00	10.92	7.60	0.14	25.60	11.04	7.72	0.00
23.05	10.93	7.61	0.14	25.65	11.04	7.72	0.00
23.10	10.93	7.61	0.14	25.70	11.04	7.72	0.00
23.15	10.94	7.62	0.14	25.75	11.04	7.72	0.00
23.20	10.94	7.63	0.14	25.80	11.04	7.72	0.00
23.25	10.95	7.63	0.14	25.85	11.04	7.72	0.00
23.30	10.96	7.64	0.14	25.90	11.04	7.72	0.00
23.35	10.96	7.64	0.14	25.95	11.04	7.72	0.00

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	7.72	0.00	28.60	11.04	7.72	0.00
26.05	11.04	7.72	0.00	28.65	11.04	7.72	0.00
26.10	11.04	7.72	0.00	28.70	11.04	7.72	0.00
26.15	11.04	7.72	0.00	28.75	11.04	7.72	0.00
26.20	11.04	7.72	0.00	28.80	11.04	7.72	0.00
26.25	11.04	7.72	0.00	28.85	11.04	7.72	0.00
26.30	11.04	7.72	0.00	28.90	11.04	7.72	0.00
26.35	11.04	7.72	0.00	28.95	11.04	7.72	0.00
26.40	11.04	7.72	0.00	29.00	11.04	7.72	0.00
26.45	11.04	7.72	0.00	29.05	11.04	7.72	0.00
26.50	11.04	7.72	0.00	29.10	11.04	7.72	0.00
26.55	11.04	7.72	0.00	29.15	11.04	7.72	0.00
26.60	11.04	7.72	0.00	29.20	11.04	7.72	0.00
26.65	11.04	7.72	0.00	29.25	11.04	7.72	0.00
26.70	11.04	7.72	0.00	29.30	11.04	7.72	0.00
26.75	11.04	7.72	0.00	29.35	11.04	7.72	0.00
26.80	11.04	7.72	0.00	29.40	11.04	7.72	0.00
26.85	11.04	7.72	0.00	29.45	11.04	7.72	0.00
26.90	11.04	7.72	0.00	29.50	11.04	7.72	0.00
26.95	11.04	7.72	0.00	29.55	11.04	7.72	0.00
27.00	11.04	7.72	0.00	29.60	11.04	7.72	0.00
27.05	11.04	7.72	0.00	29.65	11.04	7.72	0.00
27.10	11.04	7.72	0.00	29.70	11.04	7.72	0.00
27.15	11.04	7.72	0.00	29.75	11.04	7.72	0.00
27.20	11.04	7.72	0.00	29.80	11.04	7.72	0.00
27.25	11.04	7.72	0.00	29.85	11.04	7.72	0.00
27.30	11.04	7.72	0.00	29.90	11.04	7.72	0.00
27.35	11.04	7.72	0.00	29.95	11.04	7.72	0.00
27.40	11.04	7.72	0.00	30.00	11.04	7.72	0.00
27.45	11.04	7.72	0.00	30.05	11.04	7.72	0.00
27.50	11.04	7.72	0.00	30.10	11.04	7.72	0.00
27.55	11.04	7.72	0.00	30.15	11.04	7.72	0.00
27.60	11.04	7.72	0.00	30.20	11.04	7.72	0.00
27.65	11.04	7.72	0.00	30.25	11.04	7.72	0.00
27.70	11.04	7.72	0.00	30.30	11.04	7.72	0.00
27.75	11.04	7.72	0.00	30.35	11.04	7.72	0.00
27.80	11.04	7.72	0.00	30.40	11.04	7.72	0.00
27.85	11.04	7.72	0.00	30.45	11.04	7.72	0.00
27.90	11.04	7.72	0.00	30.50	11.04	7.72	0.00
27.95	11.04	7.72	0.00	30.55	11.04	7.72	0.00
28.00	11.04	7.72	0.00	30.60	11.04	7.72	0.00
28.05	11.04	7.72	0.00	30.65	11.04	7.72	0.00
28.10	11.04	7.72	0.00	30.70	11.04	7.72	0.00
28.15	11.04	7.72	0.00	30.75	11.04	7.72	0.00
28.20	11.04	7.72	0.00	30.80	11.04	7.72	0.00
28.25	11.04	7.72	0.00	30.85	11.04	7.72	0.00
28.30	11.04	7.72	0.00	30.90	11.04	7.72	0.00
28.35	11.04	7.72	0.00	30.95	11.04	7.72	0.00
28.40	11.04	7.72	0.00	31.00	11.04	7.72	0.00
28.45	11.04	7.72	0.00	31.05	11.04	7.72	0.00
28.50	11.04	7.72	0.00	31.10	11.04	7.72	0.00
28.55	11.04	7.72	0.00	31.15	11.04	7.72	0.00

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	7.72	0.00	33.80	11.04	7.72	0.00
31.25	11.04	7.72	0.00	33.85	11.04	7.72	0.00
31.30	11.04	7.72	0.00	33.90	11.04	7.72	0.00
31.35	11.04	7.72	0.00	33.95	11.04	7.72	0.00
31.40	11.04	7.72	0.00	34.00	11.04	7.72	0.00
31.45	11.04	7.72	0.00	34.05	11.04	7.72	0.00
31.50	11.04	7.72	0.00	34.10	11.04	7.72	0.00
31.55	11.04	7.72	0.00	34.15	11.04	7.72	0.00
31.60	11.04	7.72	0.00	34.20	11.04	7.72	0.00
31.65	11.04	7.72	0.00	34.25	11.04	7.72	0.00
31.70	11.04	7.72	0.00	34.30	11.04	7.72	0.00
31.75	11.04	7.72	0.00	34.35	11.04	7.72	0.00
31.80	11.04	7.72	0.00	34.40	11.04	7.72	0.00
31.85	11.04	7.72	0.00	34.45	11.04	7.72	0.00
31.90	11.04	7.72	0.00	34.50	11.04	7.72	0.00
31.95	11.04	7.72	0.00	34.55	11.04	7.72	0.00
32.00	11.04	7.72	0.00	34.60	11.04	7.72	0.00
32.05	11.04	7.72	0.00	34.65	11.04	7.72	0.00
32.10	11.04	7.72	0.00	34.70	11.04	7.72	0.00
32.15	11.04	7.72	0.00	34.75	11.04	7.72	0.00
32.20	11.04	7.72	0.00	34.80	11.04	7.72	0.00
32.25	11.04	7.72	0.00	34.85	11.04	7.72	0.00
32.30	11.04	7.72	0.00	34.90	11.04	7.72	0.00
32.35	11.04	7.72	0.00	34.95	11.04	7.72	0.00
32.40	11.04	7.72	0.00	35.00	11.04	7.72	0.00
32.45	11.04	7.72	0.00	35.05	11.04	7.72	0.00
32.50	11.04	7.72	0.00	35.10	11.04	7.72	0.00
32.55	11.04	7.72	0.00	35.15	11.04	7.72	0.00
32.60	11.04	7.72	0.00	35.20	11.04	7.72	0.00
32.65	11.04	7.72	0.00	35.25	11.04	7.72	0.00
32.70	11.04	7.72	0.00	35.30	11.04	7.72	0.00
32.75	11.04	7.72	0.00	35.35	11.04	7.72	0.00
32.80	11.04	7.72	0.00	35.40	11.04	7.72	0.00
32.85	11.04	7.72	0.00	35.45	11.04	7.72	0.00
32.90	11.04	7.72	0.00	35.50	11.04	7.72	0.00
32.95	11.04	7.72	0.00	35.55	11.04	7.72	0.00
33.00	11.04	7.72	0.00	35.60	11.04	7.72	0.00
33.05	11.04	7.72	0.00	35.65	11.04	7.72	0.00
33.10	11.04	7.72	0.00	35.70	11.04	7.72	0.00
33.15	11.04	7.72	0.00	35.75	11.04	7.72	0.00
33.20	11.04	7.72	0.00	35.80	11.04	7.72	0.00
33.25	11.04	7.72	0.00	35.85	11.04	7.72	0.00
33.30	11.04	7.72	0.00	35.90	11.04	7.72	0.00
33.35	11.04	7.72	0.00	35.95	11.04	7.72	0.00
33.40	11.04	7.72	0.00	36.00	11.04	7.72	0.00
33.45	11.04	7.72	0.00	36.05	11.04	7.72	0.00
33.50	11.04	7.72	0.00	36.10	11.04	7.72	0.00
33.55	11.04	7.72	0.00	36.15	11.04	7.72	0.00
33.60	11.04	7.72	0.00	36.20	11.04	7.72	0.00
33.65	11.04	7.72	0.00	36.25	11.04	7.72	0.00
33.70	11.04	7.72	0.00	36.30	11.04	7.72	0.00
33.75	11.04	7.72	0.00	36.35	11.04	7.72	0.00

Hydrograph for Subcatchment 55P: PDA-55 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	7.72	0.00
36.45	11.04	7.72	0.00
36.50	11.04	7.72	0.00
36.55	11.04	7.72	0.00
36.60	11.04	7.72	0.00
36.65	11.04	7.72	0.00
36.70	11.04	7.72	0.00
36.75	11.04	7.72	0.00
36.80	11.04	7.72	0.00
36.85	11.04	7.72	0.00
36.90	11.04	7.72	0.00
36.95	11.04	7.72	0.00
37.00	11.04	7.72	0.00
37.05	11.04	7.72	0.00
37.10	11.04	7.72	0.00
37.15	11.04	7.72	0.00
37.20	11.04	7.72	0.00
37.25	11.04	7.72	0.00
37.30	11.04	7.72	0.00
37.35	11.04	7.72	0.00
37.40	11.04	7.72	0.00
37.45	11.04	7.72	0.00
37.50	11.04	7.72	0.00
37.55	11.04	7.72	0.00
37.60	11.04	7.72	0.00
37.65	11.04	7.72	0.00
37.70	11.04	7.72	0.00
37.75	11.04	7.72	0.00
37.80	11.04	7.72	0.00
37.85	11.04	7.72	0.00
37.90	11.04	7.72	0.00
37.95	11.04	7.72	0.00
38.00	11.04	7.72	0.00
38.05	11.04	7.72	0.00
38.10	11.04	7.72	0.00
38.15	11.04	7.72	0.00
38.20	11.04	7.72	0.00
38.25	11.04	7.72	0.00
38.30	11.04	7.72	0.00
38.35	11.04	7.72	0.00
38.40	11.04	7.72	0.00
38.45	11.04	7.72	0.00
38.50	11.04	7.72	0.00
38.55	11.04	7.72	0.00
38.60	11.04	7.72	0.00
38.65	11.04	7.72	0.00
38.70	11.04	7.72	0.00
38.75	11.04	7.72	0.00
38.80	11.04	7.72	0.00
38.85	11.04	7.72	0.00
38.90	11.04	7.72	0.00
38.95	11.04	7.72	0.00
39.00	11.04	7.72	0.00
39.05	11.04	7.72	0.00
39.10	11.04	7.72	0.00
39.15	11.04	7.72	0.00
39.20	11.04	7.72	0.00
39.25	11.04	7.72	0.00
39.30	11.04	7.72	0.00
39.35	11.04	7.72	0.00
39.40	11.04	7.72	0.00
39.45	11.04	7.72	0.00
39.50	11.04	7.72	0.00
39.55	11.04	7.72	0.00
39.60	11.04	7.72	0.00
39.65	11.04	7.72	0.00
39.70	11.04	7.72	0.00
39.75	11.04	7.72	0.00
39.80	11.04	7.72	0.00
39.85	11.04	7.72	0.00
39.90	11.04	7.72	0.00
39.95	11.04	7.72	0.00
40.00	11.04	7.72	0.00

Summary for Subcatchment 56l: PDA-56 (impervious)

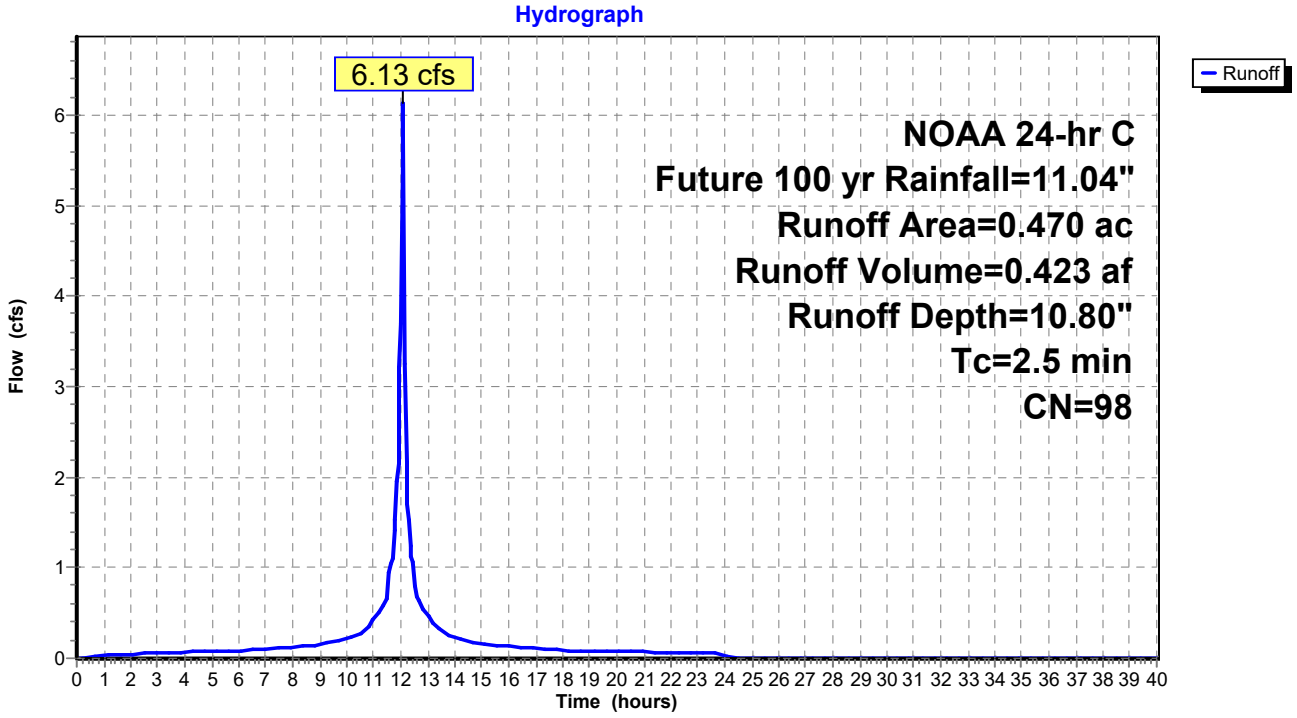
Runoff = 6.13 cfs @ 12.08 hrs, Volume= 0.423 af, Depth=10.80"
Routed to Pond B-56 : Basin #56

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

	Area (ac)	CN	Description
*	0.470	98	Roof, HSG C
	0.470		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.5					**Direct Entry,**

Subcatchment 56l: PDA-56 (impervious)



Hydrograph for Subcatchment 56I: PDA-56 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.17	0.05
0.05	0.01	0.00	0.00	2.65	0.34	0.18	0.06
0.10	0.01	0.00	0.00	2.70	0.35	0.18	0.06
0.15	0.02	0.00	0.00	2.75	0.35	0.19	0.06
0.20	0.03	0.00	0.00	2.80	0.36	0.20	0.06
0.25	0.03	0.00	0.00	2.85	0.37	0.20	0.06
0.30	0.04	0.00	0.00	2.90	0.38	0.21	0.06
0.35	0.04	0.00	0.00	2.95	0.38	0.21	0.06
0.40	0.05	0.00	0.00	3.00	0.39	0.22	0.06
0.45	0.05	0.00	0.00	3.05	0.40	0.23	0.06
0.50	0.06	0.00	0.01	3.10	0.40	0.23	0.06
0.55	0.07	0.00	0.01	3.15	0.41	0.24	0.06
0.60	0.07	0.00	0.01	3.20	0.42	0.25	0.06
0.65	0.08	0.01	0.01	3.25	0.43	0.25	0.06
0.70	0.08	0.01	0.02	3.30	0.43	0.26	0.06
0.75	0.09	0.01	0.02	3.35	0.44	0.27	0.06
0.80	0.10	0.01	0.02	3.40	0.45	0.27	0.06
0.85	0.10	0.01	0.02	3.45	0.46	0.28	0.06
0.90	0.11	0.02	0.02	3.50	0.46	0.29	0.06
0.95	0.11	0.02	0.03	3.55	0.47	0.29	0.06
1.00	0.12	0.02	0.03	3.60	0.48	0.30	0.06
1.05	0.13	0.03	0.03	3.65	0.49	0.31	0.06
1.10	0.13	0.03	0.03	3.70	0.49	0.31	0.07
1.15	0.14	0.03	0.03	3.75	0.50	0.32	0.07
1.20	0.15	0.04	0.03	3.80	0.51	0.33	0.07
1.25	0.15	0.04	0.03	3.85	0.52	0.33	0.07
1.30	0.16	0.04	0.03	3.90	0.52	0.34	0.07
1.35	0.16	0.05	0.04	3.95	0.53	0.35	0.07
1.40	0.17	0.05	0.04	4.00	0.54	0.35	0.07
1.45	0.18	0.05	0.04	4.05	0.55	0.36	0.07
1.50	0.18	0.06	0.04	4.10	0.56	0.37	0.07
1.55	0.19	0.06	0.04	4.15	0.56	0.38	0.07
1.60	0.20	0.07	0.04	4.20	0.57	0.38	0.07
1.65	0.20	0.07	0.04	4.25	0.58	0.39	0.07
1.70	0.21	0.08	0.04	4.30	0.59	0.40	0.07
1.75	0.22	0.08	0.04	4.35	0.60	0.41	0.07
1.80	0.22	0.09	0.04	4.40	0.60	0.41	0.07
1.85	0.23	0.09	0.05	4.45	0.61	0.42	0.07
1.90	0.24	0.10	0.05	4.50	0.62	0.43	0.07
1.95	0.24	0.10	0.05	4.55	0.63	0.44	0.07
2.00	0.25	0.11	0.05	4.60	0.64	0.44	0.07
2.05	0.26	0.11	0.05	4.65	0.64	0.45	0.07
2.10	0.26	0.12	0.05	4.70	0.65	0.46	0.07
2.15	0.27	0.12	0.05	4.75	0.66	0.47	0.07
2.20	0.28	0.13	0.05	4.80	0.67	0.47	0.07
2.25	0.28	0.13	0.05	4.85	0.68	0.48	0.07
2.30	0.29	0.14	0.05	4.90	0.69	0.49	0.07
2.35	0.30	0.14	0.05	4.95	0.69	0.50	0.07
2.40	0.30	0.15	0.05	5.00	0.70	0.51	0.07
2.45	0.31	0.15	0.05	5.05	0.71	0.51	0.07
2.50	0.32	0.16	0.05	5.10	0.72	0.52	0.08
2.55	0.33	0.17	0.05	5.15	0.73	0.53	0.08

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.54	0.08	7.80	1.27	1.05	0.12
5.25	0.74	0.55	0.08	7.85	1.28	1.07	0.12
5.30	0.75	0.55	0.08	7.90	1.30	1.08	0.12
5.35	0.76	0.56	0.08	7.95	1.31	1.09	0.12
5.40	0.77	0.57	0.08	8.00	1.32	1.11	0.12
5.45	0.78	0.58	0.08	8.05	1.34	1.12	0.12
5.50	0.79	0.59	0.08	8.10	1.35	1.13	0.13
5.55	0.80	0.59	0.08	8.15	1.36	1.15	0.13
5.60	0.80	0.60	0.08	8.20	1.38	1.16	0.13
5.65	0.81	0.61	0.08	8.25	1.39	1.17	0.13
5.70	0.82	0.62	0.08	8.30	1.40	1.19	0.13
5.75	0.83	0.63	0.08	8.35	1.42	1.20	0.13
5.80	0.84	0.64	0.08	8.40	1.43	1.21	0.13
5.85	0.85	0.64	0.08	8.45	1.45	1.23	0.13
5.90	0.86	0.65	0.08	8.50	1.46	1.24	0.13
5.95	0.87	0.66	0.08	8.55	1.48	1.26	0.14
6.00	0.87	0.67	0.08	8.60	1.49	1.27	0.14
6.05	0.88	0.68	0.08	8.65	1.51	1.29	0.14
6.10	0.89	0.69	0.08	8.70	1.52	1.30	0.14
6.15	0.90	0.70	0.08	8.75	1.54	1.32	0.14
6.20	0.91	0.71	0.09	8.80	1.55	1.33	0.14
6.25	0.92	0.71	0.09	8.85	1.57	1.35	0.14
6.30	0.93	0.72	0.09	8.90	1.58	1.36	0.14
6.35	0.94	0.73	0.09	8.95	1.60	1.38	0.14
6.40	0.95	0.74	0.09	9.00	1.61	1.39	0.15
6.45	0.96	0.75	0.09	9.05	1.63	1.41	0.15
6.50	0.97	0.76	0.09	9.10	1.64	1.42	0.15
6.55	0.98	0.77	0.09	9.15	1.66	1.44	0.16
6.60	0.99	0.78	0.09	9.20	1.68	1.46	0.16
6.65	1.00	0.79	0.10	9.25	1.70	1.47	0.17
6.70	1.01	0.80	0.10	9.30	1.72	1.49	0.17
6.75	1.02	0.81	0.10	9.35	1.73	1.51	0.17
6.80	1.03	0.82	0.10	9.40	1.75	1.53	0.18
6.85	1.04	0.83	0.10	9.45	1.77	1.55	0.18
6.90	1.05	0.84	0.10	9.50	1.79	1.57	0.18
6.95	1.07	0.85	0.10	9.55	1.81	1.59	0.19
7.00	1.08	0.87	0.10	9.60	1.83	1.61	0.19
7.05	1.09	0.88	0.10	9.65	1.85	1.63	0.20
7.10	1.10	0.89	0.10	9.70	1.88	1.65	0.20
7.15	1.11	0.90	0.11	9.75	1.90	1.67	0.20
7.20	1.12	0.91	0.11	9.80	1.92	1.69	0.21
7.25	1.13	0.92	0.11	9.85	1.94	1.72	0.21
7.30	1.15	0.93	0.11	9.90	1.97	1.74	0.22
7.35	1.16	0.94	0.11	9.95	1.99	1.76	0.22
7.40	1.17	0.96	0.11	10.00	2.01	1.79	0.22
7.45	1.18	0.97	0.11	10.05	2.04	1.81	0.23
7.50	1.19	0.98	0.11	10.10	2.06	1.84	0.23
7.55	1.21	0.99	0.11	10.15	2.09	1.86	0.24
7.60	1.22	1.00	0.11	10.20	2.11	1.89	0.24
7.65	1.23	1.02	0.12	10.25	2.14	1.91	0.24
7.70	1.24	1.03	0.12	10.30	2.17	1.94	0.25
7.75	1.26	1.04	0.12	10.35	2.19	1.97	0.25

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	1.99	0.25	13.00	8.39	8.15	0.47
10.45	2.25	2.02	0.26	13.05	8.43	8.19	0.43
10.50	2.28	2.05	0.26	13.10	8.48	8.24	0.41
10.55	2.31	2.08	0.28	13.15	8.52	8.28	0.39
10.60	2.34	2.11	0.29	13.20	8.56	8.32	0.38
10.65	2.37	2.14	0.31	13.25	8.60	8.36	0.36
10.70	2.41	2.18	0.32	13.30	8.63	8.39	0.35
10.75	2.44	2.21	0.34	13.35	8.67	8.43	0.33
10.80	2.48	2.25	0.35	13.40	8.70	8.46	0.32
10.85	2.52	2.29	0.37	13.45	8.73	8.49	0.30
10.90	2.56	2.33	0.38	13.50	8.76	8.52	0.29
10.95	2.61	2.38	0.40	13.55	8.79	8.55	0.27
11.00	2.65	2.42	0.41	13.60	8.82	8.58	0.26
11.05	2.70	2.47	0.45	13.65	8.85	8.61	0.26
11.10	2.75	2.52	0.47	13.70	8.87	8.63	0.26
11.15	2.80	2.57	0.51	13.75	8.90	8.66	0.25
11.20	2.86	2.63	0.53	13.80	8.93	8.69	0.25
11.25	2.92	2.69	0.56	13.85	8.95	8.71	0.24
11.30	2.98	2.75	0.58	13.90	8.98	8.74	0.24
11.35	3.05	2.82	0.62	13.95	9.00	8.76	0.24
11.40	3.12	2.89	0.64	14.00	9.03	8.79	0.23
11.45	3.19	2.96	0.67	14.05	9.05	8.81	0.23
11.50	3.26	3.03	0.69	14.10	9.07	8.83	0.22
11.55	3.37	3.14	0.95	14.15	9.10	8.86	0.22
11.60	3.49	3.25	1.05	14.20	9.12	8.88	0.22
11.65	3.60	3.37	1.09	14.25	9.14	8.90	0.21
11.70	3.72	3.49	1.12	14.30	9.16	8.92	0.21
11.75	3.88	3.65	1.40	14.35	9.19	8.95	0.20
11.80	4.04	3.81	1.53	14.40	9.21	8.97	0.20
11.85	4.27	4.03	1.95	14.45	9.23	8.99	0.20
11.90	4.49	4.25	2.15	14.50	9.25	9.01	0.19
11.95	4.88	4.64	3.21	14.55	9.27	9.03	0.19
12.00	5.26	5.02	3.70	14.60	9.29	9.05	0.19
12.05	5.91	5.67	5.40	14.65	9.31	9.07	0.18
12.10	6.55	6.31	**5.96**	14.70	9.32	9.08	0.18
12.15	6.77	6.53	3.25	14.75	9.34	9.10	0.17
12.20	7.00	6.76	2.16	14.80	9.36	9.12	0.17
12.25	7.16	6.92	1.70	14.85	9.38	9.14	0.16
12.30	7.32	7.08	1.52	14.90	9.40	9.15	0.16
12.35	7.44	7.20	1.23	14.95	9.41	9.17	0.16
12.40	7.55	7.31	1.12	15.00	9.43	9.19	0.15
12.45	7.67	7.43	1.07	15.05	9.44	9.20	0.15
12.50	7.78	7.54	1.05	15.10	9.46	9.22	0.15
12.55	7.85	7.61	0.79	15.15	9.47	9.23	0.15
12.60	7.92	7.68	0.69	15.20	9.49	9.25	0.14
12.65	7.99	7.75	0.65	15.25	9.50	9.26	0.14
12.70	8.06	7.82	0.64	15.30	9.52	9.28	0.14
12.75	8.12	7.88	0.60	15.35	9.53	9.29	0.14
12.80	8.18	7.94	0.58	15.40	9.55	9.31	0.14
12.85	8.24	8.00	0.54	15.45	9.56	9.32	0.14
12.90	8.29	8.05	0.53	15.50	9.58	9.34	0.14
12.95	8.34	8.10	0.49	15.55	9.59	9.35	0.14

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	9.37	0.14	18.20	10.20	9.96	0.08
15.65	9.62	9.38	0.13	18.25	10.21	9.97	0.08
15.70	9.64	9.39	0.13	18.30	10.22	9.98	0.08
15.75	9.65	9.41	0.13	18.35	10.23	9.99	0.08
15.80	9.66	9.42	0.13	18.40	10.24	9.99	0.08
15.85	9.68	9.44	0.13	18.45	10.24	10.00	0.08
15.90	9.69	9.45	0.13	18.50	10.25	10.01	0.08
15.95	9.70	9.46	0.13	18.55	10.26	10.02	0.08
16.00	9.72	9.48	0.13	18.60	10.27	10.03	0.08
16.05	9.73	9.49	0.13	18.65	10.28	10.04	0.08
16.10	9.74	9.50	0.13	18.70	10.29	10.05	0.08
16.15	9.76	9.52	0.12	18.75	10.30	10.05	0.08
16.20	9.77	9.53	0.12	18.80	10.30	10.06	0.08
16.25	9.78	9.54	0.12	18.85	10.31	10.07	0.08
16.30	9.80	9.55	0.12	18.90	10.32	10.08	0.08
16.35	9.81	9.57	0.12	18.95	10.33	10.09	0.08
16.40	9.82	9.58	0.12	19.00	10.34	10.10	0.08
16.45	9.83	9.59	0.12	19.05	10.35	10.11	0.08
16.50	9.85	9.60	0.12	19.10	10.35	10.11	0.08
16.55	9.86	9.62	0.12	19.15	10.36	10.12	0.08
16.60	9.87	9.63	0.12	19.20	10.37	10.13	0.08
16.65	9.88	9.64	0.11	19.25	10.38	10.14	0.08
16.70	9.89	9.65	0.11	19.30	10.39	10.15	0.08
16.75	9.91	9.66	0.11	19.35	10.40	10.15	0.08
16.80	9.92	9.68	0.11	19.40	10.40	10.16	0.08
16.85	9.93	9.69	0.11	19.45	10.41	10.17	0.08
16.90	9.94	9.70	0.11	19.50	10.42	10.18	0.08
16.95	9.95	9.71	0.11	19.55	10.43	10.19	0.08
17.00	9.96	9.72	0.11	19.60	10.44	10.20	0.08
17.05	9.97	9.73	0.11	19.65	10.44	10.20	0.08
17.10	9.99	9.74	0.11	19.70	10.45	10.21	0.08
17.15	10.00	9.76	0.10	19.75	10.46	10.22	0.08
17.20	10.01	9.77	0.10	19.80	10.47	10.23	0.08
17.25	10.02	9.78	0.10	19.85	10.48	10.24	0.08
17.30	10.03	9.79	0.10	19.90	10.48	10.24	0.07
17.35	10.04	9.80	0.10	19.95	10.49	10.25	0.07
17.40	10.05	9.81	0.10	20.00	10.50	10.26	0.07
17.45	10.06	9.82	0.10	20.05	10.51	10.27	0.07
17.50	10.07	9.83	0.10	20.10	10.52	10.27	0.07
17.55	10.08	9.84	0.10	20.15	10.52	10.28	0.07
17.60	10.09	9.85	0.09	20.20	10.53	10.29	0.07
17.65	10.10	9.86	0.09	20.25	10.54	10.30	0.07
17.70	10.11	9.87	0.09	20.30	10.55	10.31	0.07
17.75	10.12	9.88	0.09	20.35	10.55	10.31	0.07
17.80	10.13	9.89	0.09	20.40	10.56	10.32	0.07
17.85	10.14	9.90	0.09	20.45	10.57	10.33	0.07
17.90	10.15	9.91	0.09	20.50	10.58	10.34	0.07
17.95	10.16	9.92	0.09	20.55	10.58	10.34	0.07
18.00	10.17	9.92	0.09	20.60	10.59	10.35	0.07
18.05	10.17	9.93	0.08	20.65	10.60	10.36	0.07
18.10	10.18	9.94	0.08	20.70	10.61	10.37	0.07
18.15	10.19	9.95	0.08	20.75	10.61	10.37	0.07

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	10.38	0.07	23.40	10.97	10.73	0.06
20.85	10.63	10.39	0.07	23.45	10.97	10.73	0.06
20.90	10.64	10.39	0.07	23.50	10.98	10.74	0.06
20.95	10.64	10.40	0.07	23.55	10.99	10.74	0.06
21.00	10.65	10.41	0.07	23.60	10.99	10.75	0.06
21.05	10.66	10.42	0.07	23.65	11.00	10.76	0.06
21.10	10.66	10.42	0.07	23.70	11.00	10.76	0.06
21.15	10.67	10.43	0.07	23.75	11.01	10.77	0.05
21.20	10.68	10.44	0.07	23.80	11.01	10.77	0.05
21.25	10.69	10.45	0.07	23.85	11.02	10.78	0.05
21.30	10.69	10.45	0.07	23.90	11.03	10.78	0.05
21.35	10.70	10.46	0.07	23.95	11.03	10.79	0.06
21.40	10.71	10.47	0.07	24.00	**11.04**	**10.80**	0.06
21.45	10.71	10.47	0.07	24.05	11.04	10.80	0.02
21.50	10.72	10.48	0.07	24.10	11.04	10.80	0.00
21.55	10.73	10.49	0.07	24.15	11.04	10.80	0.00
21.60	10.74	10.49	0.07	24.20	11.04	10.80	0.00
21.65	10.74	10.50	0.07	24.25	11.04	10.80	0.00
21.70	10.75	10.51	0.07	24.30	11.04	10.80	0.00
21.75	10.76	10.52	0.07	24.35	11.04	10.80	0.00
21.80	10.76	10.52	0.07	24.40	11.04	10.80	0.00
21.85	10.77	10.53	0.06	24.45	11.04	10.80	0.00
21.90	10.78	10.54	0.06	24.50	11.04	10.80	0.00
21.95	10.78	10.54	0.06	24.55	11.04	10.80	0.00
22.00	10.79	10.55	0.06	24.60	11.04	10.80	0.00
22.05	10.80	10.56	0.06	24.65	11.04	10.80	0.00
22.10	10.80	10.56	0.06	24.70	11.04	10.80	0.00
22.15	10.81	10.57	0.06	24.75	11.04	10.80	0.00
22.20	10.82	10.58	0.06	24.80	11.04	10.80	0.00
22.25	10.82	10.58	0.06	24.85	11.04	10.80	0.00
22.30	10.83	10.59	0.06	24.90	11.04	10.80	0.00
22.35	10.84	10.60	0.06	24.95	11.04	10.80	0.00
22.40	10.84	10.60	0.06	25.00	11.04	10.80	0.00
22.45	10.85	10.61	0.06	25.05	11.04	10.80	0.00
22.50	10.86	10.62	0.06	25.10	11.04	10.80	0.00
22.55	10.86	10.62	0.06	25.15	11.04	10.80	0.00
22.60	10.87	10.63	0.06	25.20	11.04	10.80	0.00
22.65	10.88	10.63	0.06	25.25	11.04	10.80	0.00
22.70	10.88	10.64	0.06	25.30	11.04	10.80	0.00
22.75	10.89	10.65	0.06	25.35	11.04	10.80	0.00
22.80	10.89	10.65	0.06	25.40	11.04	10.80	0.00
22.85	10.90	10.66	0.06	25.45	11.04	10.80	0.00
22.90	10.91	10.67	0.06	25.50	11.04	10.80	0.00
22.95	10.91	10.67	0.06	25.55	11.04	10.80	0.00
23.00	10.92	10.68	0.06	25.60	11.04	10.80	0.00
23.05	10.93	10.68	0.06	25.65	11.04	10.80	0.00
23.10	10.93	10.69	0.06	25.70	11.04	10.80	0.00
23.15	10.94	10.70	0.06	25.75	11.04	10.80	0.00
23.20	10.94	10.70	0.06	25.80	11.04	10.80	0.00
23.25	10.95	10.71	0.06	25.85	11.04	10.80	0.00
23.30	10.96	10.71	0.06	25.90	11.04	10.80	0.00
23.35	10.96	10.72	0.06	25.95	11.04	10.80	0.00

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	10.80	0.00	28.60	11.04	10.80	0.00
26.05	11.04	10.80	0.00	28.65	11.04	10.80	0.00
26.10	11.04	10.80	0.00	28.70	11.04	10.80	0.00
26.15	11.04	10.80	0.00	28.75	11.04	10.80	0.00
26.20	11.04	10.80	0.00	28.80	11.04	10.80	0.00
26.25	11.04	10.80	0.00	28.85	11.04	10.80	0.00
26.30	11.04	10.80	0.00	28.90	11.04	10.80	0.00
26.35	11.04	10.80	0.00	28.95	11.04	10.80	0.00
26.40	11.04	10.80	0.00	29.00	11.04	10.80	0.00
26.45	11.04	10.80	0.00	29.05	11.04	10.80	0.00
26.50	11.04	10.80	0.00	29.10	11.04	10.80	0.00
26.55	11.04	10.80	0.00	29.15	11.04	10.80	0.00
26.60	11.04	10.80	0.00	29.20	11.04	10.80	0.00
26.65	11.04	10.80	0.00	29.25	11.04	10.80	0.00
26.70	11.04	10.80	0.00	29.30	11.04	10.80	0.00
26.75	11.04	10.80	0.00	29.35	11.04	10.80	0.00
26.80	11.04	10.80	0.00	29.40	11.04	10.80	0.00
26.85	11.04	10.80	0.00	29.45	11.04	10.80	0.00
26.90	11.04	10.80	0.00	29.50	11.04	10.80	0.00
26.95	11.04	10.80	0.00	29.55	11.04	10.80	0.00
27.00	11.04	10.80	0.00	29.60	11.04	10.80	0.00
27.05	11.04	10.80	0.00	29.65	11.04	10.80	0.00
27.10	11.04	10.80	0.00	29.70	11.04	10.80	0.00
27.15	11.04	10.80	0.00	29.75	11.04	10.80	0.00
27.20	11.04	10.80	0.00	29.80	11.04	10.80	0.00
27.25	11.04	10.80	0.00	29.85	11.04	10.80	0.00
27.30	11.04	10.80	0.00	29.90	11.04	10.80	0.00
27.35	11.04	10.80	0.00	29.95	11.04	10.80	0.00
27.40	11.04	10.80	0.00	30.00	11.04	10.80	0.00
27.45	11.04	10.80	0.00	30.05	11.04	10.80	0.00
27.50	11.04	10.80	0.00	30.10	11.04	10.80	0.00
27.55	11.04	10.80	0.00	30.15	11.04	10.80	0.00
27.60	11.04	10.80	0.00	30.20	11.04	10.80	0.00
27.65	11.04	10.80	0.00	30.25	11.04	10.80	0.00
27.70	11.04	10.80	0.00	30.30	11.04	10.80	0.00
27.75	11.04	10.80	0.00	30.35	11.04	10.80	0.00
27.80	11.04	10.80	0.00	30.40	11.04	10.80	0.00
27.85	11.04	10.80	0.00	30.45	11.04	10.80	0.00
27.90	11.04	10.80	0.00	30.50	11.04	10.80	0.00
27.95	11.04	10.80	0.00	30.55	11.04	10.80	0.00
28.00	11.04	10.80	0.00	30.60	11.04	10.80	0.00
28.05	11.04	10.80	0.00	30.65	11.04	10.80	0.00
28.10	11.04	10.80	0.00	30.70	11.04	10.80	0.00
28.15	11.04	10.80	0.00	30.75	11.04	10.80	0.00
28.20	11.04	10.80	0.00	30.80	11.04	10.80	0.00
28.25	11.04	10.80	0.00	30.85	11.04	10.80	0.00
28.30	11.04	10.80	0.00	30.90	11.04	10.80	0.00
28.35	11.04	10.80	0.00	30.95	11.04	10.80	0.00
28.40	11.04	10.80	0.00	31.00	11.04	10.80	0.00
28.45	11.04	10.80	0.00	31.05	11.04	10.80	0.00
28.50	11.04	10.80	0.00	31.10	11.04	10.80	0.00
28.55	11.04	10.80	0.00	31.15	11.04	10.80	0.00

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	10.80	0.00	33.80	11.04	10.80	0.00
31.25	11.04	10.80	0.00	33.85	11.04	10.80	0.00
31.30	11.04	10.80	0.00	33.90	11.04	10.80	0.00
31.35	11.04	10.80	0.00	33.95	11.04	10.80	0.00
31.40	11.04	10.80	0.00	34.00	11.04	10.80	0.00
31.45	11.04	10.80	0.00	34.05	11.04	10.80	0.00
31.50	11.04	10.80	0.00	34.10	11.04	10.80	0.00
31.55	11.04	10.80	0.00	34.15	11.04	10.80	0.00
31.60	11.04	10.80	0.00	34.20	11.04	10.80	0.00
31.65	11.04	10.80	0.00	34.25	11.04	10.80	0.00
31.70	11.04	10.80	0.00	34.30	11.04	10.80	0.00
31.75	11.04	10.80	0.00	34.35	11.04	10.80	0.00
31.80	11.04	10.80	0.00	34.40	11.04	10.80	0.00
31.85	11.04	10.80	0.00	34.45	11.04	10.80	0.00
31.90	11.04	10.80	0.00	34.50	11.04	10.80	0.00
31.95	11.04	10.80	0.00	34.55	11.04	10.80	0.00
32.00	11.04	10.80	0.00	34.60	11.04	10.80	0.00
32.05	11.04	10.80	0.00	34.65	11.04	10.80	0.00
32.10	11.04	10.80	0.00	34.70	11.04	10.80	0.00
32.15	11.04	10.80	0.00	34.75	11.04	10.80	0.00
32.20	11.04	10.80	0.00	34.80	11.04	10.80	0.00
32.25	11.04	10.80	0.00	34.85	11.04	10.80	0.00
32.30	11.04	10.80	0.00	34.90	11.04	10.80	0.00
32.35	11.04	10.80	0.00	34.95	11.04	10.80	0.00
32.40	11.04	10.80	0.00	35.00	11.04	10.80	0.00
32.45	11.04	10.80	0.00	35.05	11.04	10.80	0.00
32.50	11.04	10.80	0.00	35.10	11.04	10.80	0.00
32.55	11.04	10.80	0.00	35.15	11.04	10.80	0.00
32.60	11.04	10.80	0.00	35.20	11.04	10.80	0.00
32.65	11.04	10.80	0.00	35.25	11.04	10.80	0.00
32.70	11.04	10.80	0.00	35.30	11.04	10.80	0.00
32.75	11.04	10.80	0.00	35.35	11.04	10.80	0.00
32.80	11.04	10.80	0.00	35.40	11.04	10.80	0.00
32.85	11.04	10.80	0.00	35.45	11.04	10.80	0.00
32.90	11.04	10.80	0.00	35.50	11.04	10.80	0.00
32.95	11.04	10.80	0.00	35.55	11.04	10.80	0.00
33.00	11.04	10.80	0.00	35.60	11.04	10.80	0.00
33.05	11.04	10.80	0.00	35.65	11.04	10.80	0.00
33.10	11.04	10.80	0.00	35.70	11.04	10.80	0.00
33.15	11.04	10.80	0.00	35.75	11.04	10.80	0.00
33.20	11.04	10.80	0.00	35.80	11.04	10.80	0.00
33.25	11.04	10.80	0.00	35.85	11.04	10.80	0.00
33.30	11.04	10.80	0.00	35.90	11.04	10.80	0.00
33.35	11.04	10.80	0.00	35.95	11.04	10.80	0.00
33.40	11.04	10.80	0.00	36.00	11.04	10.80	0.00
33.45	11.04	10.80	0.00	36.05	11.04	10.80	0.00
33.50	11.04	10.80	0.00	36.10	11.04	10.80	0.00
33.55	11.04	10.80	0.00	36.15	11.04	10.80	0.00
33.60	11.04	10.80	0.00	36.20	11.04	10.80	0.00
33.65	11.04	10.80	0.00	36.25	11.04	10.80	0.00
33.70	11.04	10.80	0.00	36.30	11.04	10.80	0.00
33.75	11.04	10.80	0.00	36.35	11.04	10.80	0.00

Hydrograph for Subcatchment 56I: PDA-56 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	10.80	0.00
36.45	11.04	10.80	0.00
36.50	11.04	10.80	0.00
36.55	11.04	10.80	0.00
36.60	11.04	10.80	0.00
36.65	11.04	10.80	0.00
36.70	11.04	10.80	0.00
36.75	11.04	10.80	0.00
36.80	11.04	10.80	0.00
36.85	11.04	10.80	0.00
36.90	11.04	10.80	0.00
36.95	11.04	10.80	0.00
37.00	11.04	10.80	0.00
37.05	11.04	10.80	0.00
37.10	11.04	10.80	0.00
37.15	11.04	10.80	0.00
37.20	11.04	10.80	0.00
37.25	11.04	10.80	0.00
37.30	11.04	10.80	0.00
37.35	11.04	10.80	0.00
37.40	11.04	10.80	0.00
37.45	11.04	10.80	0.00
37.50	11.04	10.80	0.00
37.55	11.04	10.80	0.00
37.60	11.04	10.80	0.00
37.65	11.04	10.80	0.00
37.70	11.04	10.80	0.00
37.75	11.04	10.80	0.00
37.80	11.04	10.80	0.00
37.85	11.04	10.80	0.00
37.90	11.04	10.80	0.00
37.95	11.04	10.80	0.00
38.00	11.04	10.80	0.00
38.05	11.04	10.80	0.00
38.10	11.04	10.80	0.00
38.15	11.04	10.80	0.00
38.20	11.04	10.80	0.00
38.25	11.04	10.80	0.00
38.30	11.04	10.80	0.00
38.35	11.04	10.80	0.00
38.40	11.04	10.80	0.00
38.45	11.04	10.80	0.00
38.50	11.04	10.80	0.00
38.55	11.04	10.80	0.00
38.60	11.04	10.80	0.00
38.65	11.04	10.80	0.00
38.70	11.04	10.80	0.00
38.75	11.04	10.80	0.00
38.80	11.04	10.80	0.00
38.85	11.04	10.80	0.00
38.90	11.04	10.80	0.00
38.95	11.04	10.80	0.00
39.00	11.04	10.80	0.00
39.05	11.04	10.80	0.00
39.10	11.04	10.80	0.00
39.15	11.04	10.80	0.00
39.20	11.04	10.80	0.00
39.25	11.04	10.80	0.00
39.30	11.04	10.80	0.00
39.35	11.04	10.80	0.00
39.40	11.04	10.80	0.00
39.45	11.04	10.80	0.00
39.50	11.04	10.80	0.00
39.55	11.04	10.80	0.00
39.60	11.04	10.80	0.00
39.65	11.04	10.80	0.00
39.70	11.04	10.80	0.00
39.75	11.04	10.80	0.00
39.80	11.04	10.80	0.00
39.85	11.04	10.80	0.00
39.90	11.04	10.80	0.00
39.95	11.04	10.80	0.00
40.00	11.04	10.80	0.00

Summary for Subcatchment 56P: PDA-56 (pervious)

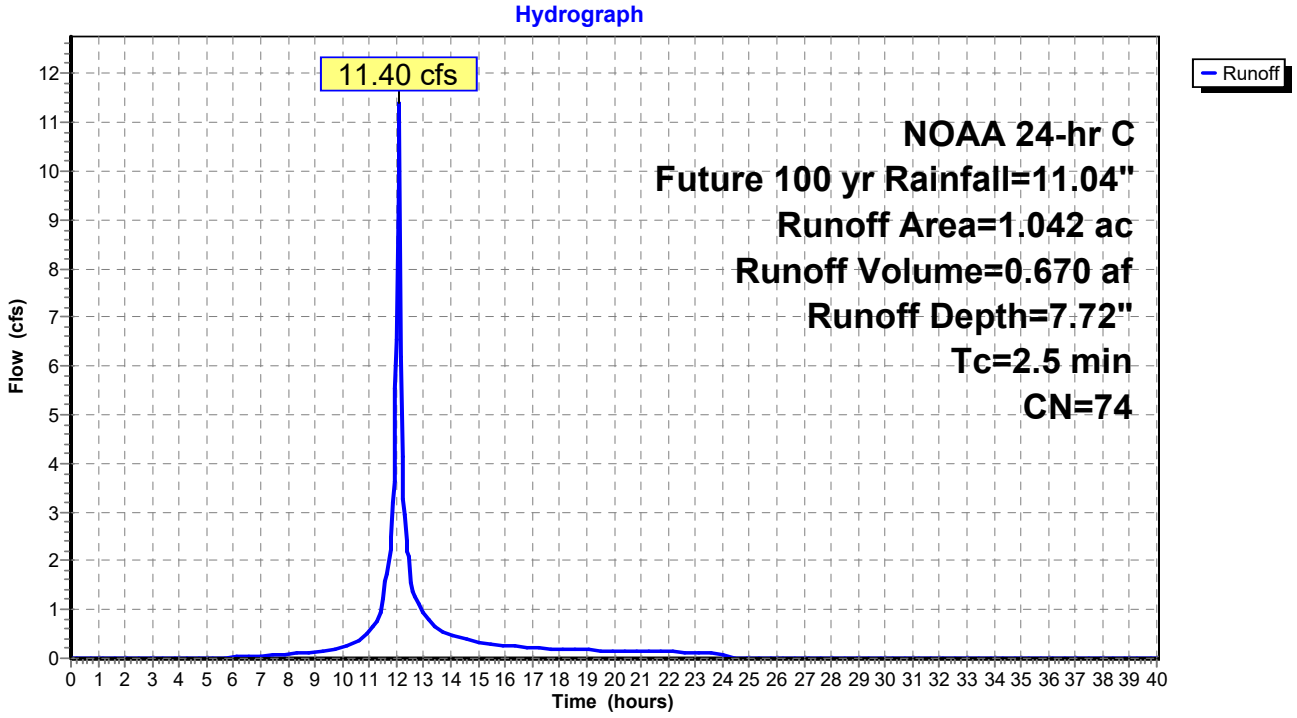
Runoff = 11.40 cfs @ 12.09 hrs, Volume= 0.670 af, Depth= 7.72"
Routed to Pond B-56 : Basin #56

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

Area (ac)	CN	Description
1.042	74	>75% Grass cover, Good, HSG C
1.042		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.5					**Direct Entry,**

Subcatchment 56P: PDA-56 (pervious)



Hydrograph for Subcatchment 56P: PDA-56 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.34	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.35	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.35	0.00	0.00
0.20	0.03	0.00	0.00	2.80	0.36	0.00	0.00
0.25	0.03	0.00	0.00	2.85	0.37	0.00	0.00
0.30	0.04	0.00	0.00	2.90	0.38	0.00	0.00
0.35	0.04	0.00	0.00	2.95	0.38	0.00	0.00
0.40	0.05	0.00	0.00	3.00	0.39	0.00	0.00
0.45	0.05	0.00	0.00	3.05	0.40	0.00	0.00
0.50	0.06	0.00	0.00	3.10	0.40	0.00	0.00
0.55	0.07	0.00	0.00	3.15	0.41	0.00	0.00
0.60	0.07	0.00	0.00	3.20	0.42	0.00	0.00
0.65	0.08	0.00	0.00	3.25	0.43	0.00	0.00
0.70	0.08	0.00	0.00	3.30	0.43	0.00	0.00
0.75	0.09	0.00	0.00	3.35	0.44	0.00	0.00
0.80	0.10	0.00	0.00	3.40	0.45	0.00	0.00
0.85	0.10	0.00	0.00	3.45	0.46	0.00	0.00
0.90	0.11	0.00	0.00	3.50	0.46	0.00	0.00
0.95	0.11	0.00	0.00	3.55	0.47	0.00	0.00
1.00	0.12	0.00	0.00	3.60	0.48	0.00	0.00
1.05	0.13	0.00	0.00	3.65	0.49	0.00	0.00
1.10	0.13	0.00	0.00	3.70	0.49	0.00	0.00
1.15	0.14	0.00	0.00	3.75	0.50	0.00	0.00
1.20	0.15	0.00	0.00	3.80	0.51	0.00	0.00
1.25	0.15	0.00	0.00	3.85	0.52	0.00	0.00
1.30	0.16	0.00	0.00	3.90	0.52	0.00	0.00
1.35	0.16	0.00	0.00	3.95	0.53	0.00	0.00
1.40	0.17	0.00	0.00	4.00	0.54	0.00	0.00
1.45	0.18	0.00	0.00	4.05	0.55	0.00	0.00
1.50	0.18	0.00	0.00	4.10	0.56	0.00	0.00
1.55	0.19	0.00	0.00	4.15	0.56	0.00	0.00
1.60	0.20	0.00	0.00	4.20	0.57	0.00	0.00
1.65	0.20	0.00	0.00	4.25	0.58	0.00	0.00
1.70	0.21	0.00	0.00	4.30	0.59	0.00	0.00
1.75	0.22	0.00	0.00	4.35	0.60	0.00	0.00
1.80	0.22	0.00	0.00	4.40	0.60	0.00	0.00
1.85	0.23	0.00	0.00	4.45	0.61	0.00	0.00
1.90	0.24	0.00	0.00	4.50	0.62	0.00	0.00
1.95	0.24	0.00	0.00	4.55	0.63	0.00	0.00
2.00	0.25	0.00	0.00	4.60	0.64	0.00	0.00
2.05	0.26	0.00	0.00	4.65	0.64	0.00	0.00
2.10	0.26	0.00	0.00	4.70	0.65	0.00	0.00
2.15	0.27	0.00	0.00	4.75	0.66	0.00	0.00
2.20	0.28	0.00	0.00	4.80	0.67	0.00	0.00
2.25	0.28	0.00	0.00	4.85	0.68	0.00	0.00
2.30	0.29	0.00	0.00	4.90	0.69	0.00	0.00
2.35	0.30	0.00	0.00	4.95	0.69	0.00	0.00
2.40	0.30	0.00	0.00	5.00	0.70	0.00	0.00
2.45	0.31	0.00	0.00	5.05	0.71	0.00	0.00
2.50	0.32	0.00	0.00	5.10	0.72	0.00	0.00
2.55	0.33	0.00	0.00	5.15	0.73	0.00	0.00

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.00	0.00	7.80	1.27	0.08	0.07
5.25	0.74	0.00	0.00	7.85	1.28	0.08	0.07
5.30	0.75	0.00	0.00	7.90	1.30	0.09	0.07
5.35	0.76	0.00	0.01	7.95	1.31	0.09	0.07
5.40	0.77	0.00	0.01	8.00	1.32	0.09	0.08
5.45	0.78	0.00	0.01	8.05	1.34	0.10	0.08
5.50	0.79	0.00	0.01	8.10	1.35	0.10	0.08
5.55	0.80	0.00	0.01	8.15	1.36	0.10	0.08
5.60	0.80	0.00	0.01	8.20	1.38	0.11	0.08
5.65	0.81	0.00	0.01	8.25	1.39	0.11	0.09
5.70	0.82	0.00	0.01	8.30	1.40	0.12	0.09
5.75	0.83	0.00	0.01	8.35	1.42	0.12	0.09
5.80	0.84	0.01	0.01	8.40	1.43	0.13	0.09
5.85	0.85	0.01	0.01	8.45	1.45	0.13	0.10
5.90	0.86	0.01	0.01	8.50	1.46	0.13	0.10
5.95	0.87	0.01	0.02	8.55	1.48	0.14	0.10
6.00	0.87	0.01	0.02	8.60	1.49	0.14	0.10
6.05	0.88	0.01	0.02	8.65	1.51	0.15	0.10
6.10	0.89	0.01	0.02	8.70	1.52	0.15	0.11
6.15	0.90	0.01	0.02	8.75	1.54	0.16	0.11
6.20	0.91	0.01	0.02	8.80	1.55	0.16	0.11
6.25	0.92	0.01	0.02	8.85	1.57	0.17	0.11
6.30	0.93	0.01	0.02	8.90	1.58	0.18	0.11
6.35	0.94	0.02	0.02	8.95	1.60	0.18	0.12
6.40	0.95	0.02	0.03	9.00	1.61	0.19	0.12
6.45	0.96	0.02	0.03	9.05	1.63	0.19	0.12
6.50	0.97	0.02	0.03	9.10	1.64	0.20	0.13
6.55	0.98	0.02	0.03	9.15	1.66	0.21	0.13
6.60	0.99	0.02	0.03	9.20	1.68	0.21	0.14
6.65	1.00	0.02	0.03	9.25	1.70	0.22	0.14
6.70	1.01	0.02	0.03	9.30	1.72	0.23	0.15
6.75	1.02	0.03	0.03	9.35	1.73	0.23	0.16
6.80	1.03	0.03	0.04	9.40	1.75	0.24	0.16
6.85	1.04	0.03	0.04	9.45	1.77	0.25	0.17
6.90	1.05	0.03	0.04	9.50	1.79	0.26	0.17
6.95	1.07	0.03	0.04	9.55	1.81	0.27	0.18
7.00	1.08	0.04	0.04	9.60	1.83	0.28	0.18
7.05	1.09	0.04	0.04	9.65	1.85	0.28	0.19
7.10	1.10	0.04	0.04	9.70	1.88	0.29	0.19
7.15	1.11	0.04	0.05	9.75	1.90	0.30	0.20
7.20	1.12	0.04	0.05	9.80	1.92	0.31	0.21
7.25	1.13	0.05	0.05	9.85	1.94	0.32	0.21
7.30	1.15	0.05	0.05	9.90	1.97	0.33	0.22
7.35	1.16	0.05	0.05	9.95	1.99	0.34	0.23
7.40	1.17	0.05	0.05	10.00	2.01	0.36	0.23
7.45	1.18	0.06	0.06	10.05	2.04	0.37	0.24
7.50	1.19	0.06	0.06	10.10	2.06	0.38	0.25
7.55	1.21	0.06	0.06	10.15	2.09	0.39	0.25
7.60	1.22	0.07	0.06	10.20	2.11	0.40	0.26
7.65	1.23	0.07	0.06	10.25	2.14	0.42	0.27
7.70	1.24	0.07	0.07	10.30	2.17	0.43	0.27
7.75	1.26	0.08	0.07	10.35	2.19	0.44	0.28

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	0.46	0.29	13.00	8.39	5.28	0.94
10.45	2.25	0.47	0.30	13.05	8.43	5.32	0.86
10.50	2.28	0.49	0.31	13.10	8.48	5.36	0.83
10.55	2.31	0.50	0.33	13.15	8.52	5.39	0.79
10.60	2.34	0.52	0.35	13.20	8.56	5.43	0.77
10.65	2.37	0.54	0.38	13.25	8.60	5.46	0.73
10.70	2.41	0.56	0.39	13.30	8.63	5.50	0.71
10.75	2.44	0.58	0.42	13.35	8.67	5.53	0.67
10.80	2.48	0.60	0.44	13.40	8.70	5.56	0.65
10.85	2.52	0.62	0.47	13.45	8.73	5.59	0.61
10.90	2.56	0.64	0.48	13.50	8.76	5.61	0.59
10.95	2.61	0.67	0.52	13.55	8.79	5.64	0.55
11.00	2.65	0.69	0.54	13.60	8.82	5.67	0.53
11.05	2.70	0.72	0.59	13.65	8.85	5.69	0.52
11.10	2.75	0.75	0.62	13.70	8.87	5.71	0.52
11.15	2.80	0.79	0.68	13.75	8.90	5.74	0.51
11.20	2.86	0.82	0.71	13.80	8.93	5.76	0.50
11.25	2.92	0.86	0.78	13.85	8.95	5.79	0.49
11.30	2.98	0.90	0.81	13.90	8.98	5.81	0.49
11.35	3.05	0.94	0.88	13.95	9.00	5.83	0.48
11.40	3.12	0.98	0.91	14.00	9.03	5.85	0.47
11.45	3.19	1.03	0.97	14.05	9.05	5.88	0.46
11.50	3.26	1.08	1.01	14.10	9.07	5.90	0.45
11.55	3.37	1.15	1.41	14.15	9.10	5.92	0.44
11.60	3.49	1.23	1.59	14.20	9.12	5.94	0.44
11.65	3.60	1.31	1.68	14.25	9.14	5.96	0.43
11.70	3.72	1.39	1.75	14.30	9.16	5.98	0.42
11.75	3.88	1.51	2.23	14.35	9.19	6.00	0.41
11.80	4.04	1.63	2.48	14.40	9.21	6.02	0.41
11.85	4.27	1.79	3.21	14.45	9.23	6.04	0.40
11.90	4.49	1.96	3.61	14.50	9.25	6.06	0.39
11.95	4.88	2.27	5.54	14.55	9.27	6.07	0.38
12.00	5.26	2.57	6.53	14.60	9.29	6.09	0.38
12.05	5.91	3.11	9.83	14.65	9.31	6.11	0.37
12.10	6.55	3.65	**11.13**	14.70	9.32	6.13	0.36
12.15	6.77	3.85	6.19	14.75	9.34	6.14	0.35
12.20	7.00	4.04	4.15	14.80	9.36	6.16	0.35
12.25	7.16	4.18	3.28	14.85	9.38	6.17	0.33
12.30	7.32	4.32	2.96	14.90	9.40	6.19	0.33
12.35	7.44	4.43	2.40	14.95	9.41	6.21	0.32
12.40	7.55	4.53	2.19	15.00	9.43	6.22	0.31
12.45	7.67	4.63	2.11	15.05	9.44	6.23	0.30
12.50	7.78	4.73	2.06	15.10	9.46	6.25	0.30
12.55	7.85	4.79	1.56	15.15	9.47	6.26	0.30
12.60	7.92	4.86	1.36	15.20	9.49	6.28	0.29
12.65	7.99	4.92	1.29	15.25	9.50	6.29	0.29
12.70	8.06	4.98	1.27	15.30	9.52	6.30	0.29
12.75	8.12	5.03	1.19	15.35	9.53	6.32	0.29
12.80	8.18	5.09	1.16	15.40	9.55	6.33	0.29
12.85	8.24	5.14	1.08	15.45	9.56	6.34	0.28
12.90	8.29	5.19	1.05	15.50	9.58	6.36	0.28
12.95	8.34	5.23	0.97	15.55	9.59	6.37	0.28

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	6.38	0.28	18.20	10.20	6.93	0.17
15.65	9.62	6.40	0.27	18.25	10.21	6.94	0.17
15.70	9.64	6.41	0.27	18.30	10.22	6.95	0.17
15.75	9.65	6.42	0.27	18.35	10.23	6.96	0.17
15.80	9.66	6.44	0.27	18.40	10.24	6.97	0.17
15.85	9.68	6.45	0.27	18.45	10.24	6.97	0.17
15.90	9.69	6.46	0.27	18.50	10.25	6.98	0.17
15.95	9.70	6.47	0.26	18.55	10.26	6.99	0.17
16.00	9.72	6.49	0.26	18.60	10.27	7.00	0.17
16.05	9.73	6.50	0.26	18.65	10.28	7.01	0.17
16.10	9.74	6.51	0.26	18.70	10.29	7.01	0.17
16.15	9.76	6.52	0.25	18.75	10.30	7.02	0.17
16.20	9.77	6.54	0.25	18.80	10.30	7.03	0.17
16.25	9.78	6.55	0.25	18.85	10.31	7.04	0.17
16.30	9.80	6.56	0.25	18.90	10.32	7.04	0.16
16.35	9.81	6.57	0.25	18.95	10.33	7.05	0.16
16.40	9.82	6.58	0.24	19.00	10.34	7.06	0.16
16.45	9.83	6.59	0.24	19.05	10.35	7.07	0.16
16.50	9.85	6.60	0.24	19.10	10.35	7.08	0.16
16.55	9.86	6.62	0.24	19.15	10.36	7.08	0.16
16.60	9.87	6.63	0.24	19.20	10.37	7.09	0.16
16.65	9.88	6.64	0.23	19.25	10.38	7.10	0.16
16.70	9.89	6.65	0.23	19.30	10.39	7.11	0.16
16.75	9.91	6.66	0.23	19.35	10.40	7.11	0.16
16.80	9.92	6.67	0.23	19.40	10.40	7.12	0.16
16.85	9.93	6.68	0.22	19.45	10.41	7.13	0.16
16.90	9.94	6.69	0.22	19.50	10.42	7.14	0.16
16.95	9.95	6.70	0.22	19.55	10.43	7.14	0.16
17.00	9.96	6.71	0.22	19.60	10.44	7.15	0.16
17.05	9.97	6.72	0.22	19.65	10.44	7.16	0.16
17.10	9.99	6.73	0.22	19.70	10.45	7.17	0.16
17.15	10.00	6.74	0.21	19.75	10.46	7.17	0.16
17.20	10.01	6.75	0.21	19.80	10.47	7.18	0.16
17.25	10.02	6.76	0.21	19.85	10.48	7.19	0.15
17.30	10.03	6.77	0.21	19.90	10.48	7.20	0.15
17.35	10.04	6.78	0.20	19.95	10.49	7.20	0.15
17.40	10.05	6.79	0.20	20.00	10.50	7.21	0.15
17.45	10.06	6.80	0.20	20.05	10.51	7.22	0.15
17.50	10.07	6.81	0.20	20.10	10.52	7.23	0.15
17.55	10.08	6.82	0.20	20.15	10.52	7.23	0.15
17.60	10.09	6.83	0.19	20.20	10.53	7.24	0.15
17.65	10.10	6.84	0.19	20.25	10.54	7.25	0.15
17.70	10.11	6.85	0.19	20.30	10.55	7.25	0.15
17.75	10.12	6.86	0.19	20.35	10.55	7.26	0.15
17.80	10.13	6.87	0.19	20.40	10.56	7.27	0.15
17.85	10.14	6.87	0.18	20.45	10.57	7.28	0.15
17.90	10.15	6.88	0.18	20.50	10.58	7.28	0.15
17.95	10.16	6.89	0.18	20.55	10.58	7.29	0.15
18.00	10.17	6.90	0.18	20.60	10.59	7.30	0.15
18.05	10.17	6.91	0.17	20.65	10.60	7.30	0.15
18.10	10.18	6.92	0.17	20.70	10.61	7.31	0.15
18.15	10.19	6.92	0.17	20.75	10.61	7.32	0.15

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	7.32	0.14	23.40	10.97	7.65	0.12
20.85	10.63	7.33	0.14	23.45	10.97	7.65	0.12
20.90	10.64	7.34	0.14	23.50	10.98	7.66	0.12
20.95	10.64	7.34	0.14	23.55	10.99	7.66	0.12
21.00	10.65	7.35	0.14	23.60	10.99	7.67	0.11
21.05	10.66	7.36	0.14	23.65	11.00	7.67	0.11
21.10	10.66	7.36	0.14	23.70	11.00	7.68	0.11
21.15	10.67	7.37	0.14	23.75	11.01	7.69	0.11
21.20	10.68	7.38	0.14	23.80	11.01	7.69	0.11
21.25	10.69	7.38	0.14	23.85	11.02	7.70	0.11
21.30	10.69	7.39	0.14	23.90	11.03	7.70	0.11
21.35	10.70	7.40	0.14	23.95	11.03	7.71	0.13
21.40	10.71	7.40	0.14	24.00	**11.04**	**7.72**	0.13
21.45	10.71	7.41	0.14	24.05	11.04	7.72	0.04
21.50	10.72	7.42	0.14	24.10	11.04	7.72	0.00
21.55	10.73	7.42	0.14	24.15	11.04	7.72	0.00
21.60	10.74	7.43	0.14	24.20	11.04	7.72	0.00
21.65	10.74	7.44	0.14	24.25	11.04	7.72	0.00
21.70	10.75	7.44	0.14	24.30	11.04	7.72	0.00
21.75	10.76	7.45	0.14	24.35	11.04	7.72	0.00
21.80	10.76	7.46	0.14	24.40	11.04	7.72	0.00
21.85	10.77	7.46	0.13	24.45	11.04	7.72	0.00
21.90	10.78	7.47	0.13	24.50	11.04	7.72	0.00
21.95	10.78	7.48	0.13	24.55	11.04	7.72	0.00
22.00	10.79	7.48	0.13	24.60	11.04	7.72	0.00
22.05	10.80	7.49	0.13	24.65	11.04	7.72	0.00
22.10	10.80	7.49	0.13	24.70	11.04	7.72	0.00
22.15	10.81	7.50	0.13	24.75	11.04	7.72	0.00
22.20	10.82	7.51	0.13	24.80	11.04	7.72	0.00
22.25	10.82	7.51	0.13	24.85	11.04	7.72	0.00
22.30	10.83	7.52	0.13	24.90	11.04	7.72	0.00
22.35	10.84	7.53	0.13	24.95	11.04	7.72	0.00
22.40	10.84	7.53	0.13	25.00	11.04	7.72	0.00
22.45	10.85	7.54	0.13	25.05	11.04	7.72	0.00
22.50	10.86	7.54	0.13	25.10	11.04	7.72	0.00
22.55	10.86	7.55	0.13	25.15	11.04	7.72	0.00
22.60	10.87	7.56	0.13	25.20	11.04	7.72	0.00
22.65	10.88	7.56	0.13	25.25	11.04	7.72	0.00
22.70	10.88	7.57	0.12	25.30	11.04	7.72	0.00
22.75	10.89	7.57	0.12	25.35	11.04	7.72	0.00
22.80	10.89	7.58	0.12	25.40	11.04	7.72	0.00
22.85	10.90	7.58	0.12	25.45	11.04	7.72	0.00
22.90	10.91	7.59	0.12	25.50	11.04	7.72	0.00
22.95	10.91	7.60	0.12	25.55	11.04	7.72	0.00
23.00	10.92	7.60	0.12	25.60	11.04	7.72	0.00
23.05	10.93	7.61	0.12	25.65	11.04	7.72	0.00
23.10	10.93	7.61	0.12	25.70	11.04	7.72	0.00
23.15	10.94	7.62	0.12	25.75	11.04	7.72	0.00
23.20	10.94	7.63	0.12	25.80	11.04	7.72	0.00
23.25	10.95	7.63	0.12	25.85	11.04	7.72	0.00
23.30	10.96	7.64	0.12	25.90	11.04	7.72	0.00
23.35	10.96	7.64	0.12	25.95	11.04	7.72	0.00

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	7.72	0.00	28.60	11.04	7.72	0.00
26.05	11.04	7.72	0.00	28.65	11.04	7.72	0.00
26.10	11.04	7.72	0.00	28.70	11.04	7.72	0.00
26.15	11.04	7.72	0.00	28.75	11.04	7.72	0.00
26.20	11.04	7.72	0.00	28.80	11.04	7.72	0.00
26.25	11.04	7.72	0.00	28.85	11.04	7.72	0.00
26.30	11.04	7.72	0.00	28.90	11.04	7.72	0.00
26.35	11.04	7.72	0.00	28.95	11.04	7.72	0.00
26.40	11.04	7.72	0.00	29.00	11.04	7.72	0.00
26.45	11.04	7.72	0.00	29.05	11.04	7.72	0.00
26.50	11.04	7.72	0.00	29.10	11.04	7.72	0.00
26.55	11.04	7.72	0.00	29.15	11.04	7.72	0.00
26.60	11.04	7.72	0.00	29.20	11.04	7.72	0.00
26.65	11.04	7.72	0.00	29.25	11.04	7.72	0.00
26.70	11.04	7.72	0.00	29.30	11.04	7.72	0.00
26.75	11.04	7.72	0.00	29.35	11.04	7.72	0.00
26.80	11.04	7.72	0.00	29.40	11.04	7.72	0.00
26.85	11.04	7.72	0.00	29.45	11.04	7.72	0.00
26.90	11.04	7.72	0.00	29.50	11.04	7.72	0.00
26.95	11.04	7.72	0.00	29.55	11.04	7.72	0.00
27.00	11.04	7.72	0.00	29.60	11.04	7.72	0.00
27.05	11.04	7.72	0.00	29.65	11.04	7.72	0.00
27.10	11.04	7.72	0.00	29.70	11.04	7.72	0.00
27.15	11.04	7.72	0.00	29.75	11.04	7.72	0.00
27.20	11.04	7.72	0.00	29.80	11.04	7.72	0.00
27.25	11.04	7.72	0.00	29.85	11.04	7.72	0.00
27.30	11.04	7.72	0.00	29.90	11.04	7.72	0.00
27.35	11.04	7.72	0.00	29.95	11.04	7.72	0.00
27.40	11.04	7.72	0.00	30.00	11.04	7.72	0.00
27.45	11.04	7.72	0.00	30.05	11.04	7.72	0.00
27.50	11.04	7.72	0.00	30.10	11.04	7.72	0.00
27.55	11.04	7.72	0.00	30.15	11.04	7.72	0.00
27.60	11.04	7.72	0.00	30.20	11.04	7.72	0.00
27.65	11.04	7.72	0.00	30.25	11.04	7.72	0.00
27.70	11.04	7.72	0.00	30.30	11.04	7.72	0.00
27.75	11.04	7.72	0.00	30.35	11.04	7.72	0.00
27.80	11.04	7.72	0.00	30.40	11.04	7.72	0.00
27.85	11.04	7.72	0.00	30.45	11.04	7.72	0.00
27.90	11.04	7.72	0.00	30.50	11.04	7.72	0.00
27.95	11.04	7.72	0.00	30.55	11.04	7.72	0.00
28.00	11.04	7.72	0.00	30.60	11.04	7.72	0.00
28.05	11.04	7.72	0.00	30.65	11.04	7.72	0.00
28.10	11.04	7.72	0.00	30.70	11.04	7.72	0.00
28.15	11.04	7.72	0.00	30.75	11.04	7.72	0.00
28.20	11.04	7.72	0.00	30.80	11.04	7.72	0.00
28.25	11.04	7.72	0.00	30.85	11.04	7.72	0.00
28.30	11.04	7.72	0.00	30.90	11.04	7.72	0.00
28.35	11.04	7.72	0.00	30.95	11.04	7.72	0.00
28.40	11.04	7.72	0.00	31.00	11.04	7.72	0.00
28.45	11.04	7.72	0.00	31.05	11.04	7.72	0.00
28.50	11.04	7.72	0.00	31.10	11.04	7.72	0.00
28.55	11.04	7.72	0.00	31.15	11.04	7.72	0.00

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	7.72	0.00	33.80	11.04	7.72	0.00
31.25	11.04	7.72	0.00	33.85	11.04	7.72	0.00
31.30	11.04	7.72	0.00	33.90	11.04	7.72	0.00
31.35	11.04	7.72	0.00	33.95	11.04	7.72	0.00
31.40	11.04	7.72	0.00	34.00	11.04	7.72	0.00
31.45	11.04	7.72	0.00	34.05	11.04	7.72	0.00
31.50	11.04	7.72	0.00	34.10	11.04	7.72	0.00
31.55	11.04	7.72	0.00	34.15	11.04	7.72	0.00
31.60	11.04	7.72	0.00	34.20	11.04	7.72	0.00
31.65	11.04	7.72	0.00	34.25	11.04	7.72	0.00
31.70	11.04	7.72	0.00	34.30	11.04	7.72	0.00
31.75	11.04	7.72	0.00	34.35	11.04	7.72	0.00
31.80	11.04	7.72	0.00	34.40	11.04	7.72	0.00
31.85	11.04	7.72	0.00	34.45	11.04	7.72	0.00
31.90	11.04	7.72	0.00	34.50	11.04	7.72	0.00
31.95	11.04	7.72	0.00	34.55	11.04	7.72	0.00
32.00	11.04	7.72	0.00	34.60	11.04	7.72	0.00
32.05	11.04	7.72	0.00	34.65	11.04	7.72	0.00
32.10	11.04	7.72	0.00	34.70	11.04	7.72	0.00
32.15	11.04	7.72	0.00	34.75	11.04	7.72	0.00
32.20	11.04	7.72	0.00	34.80	11.04	7.72	0.00
32.25	11.04	7.72	0.00	34.85	11.04	7.72	0.00
32.30	11.04	7.72	0.00	34.90	11.04	7.72	0.00
32.35	11.04	7.72	0.00	34.95	11.04	7.72	0.00
32.40	11.04	7.72	0.00	35.00	11.04	7.72	0.00
32.45	11.04	7.72	0.00	35.05	11.04	7.72	0.00
32.50	11.04	7.72	0.00	35.10	11.04	7.72	0.00
32.55	11.04	7.72	0.00	35.15	11.04	7.72	0.00
32.60	11.04	7.72	0.00	35.20	11.04	7.72	0.00
32.65	11.04	7.72	0.00	35.25	11.04	7.72	0.00
32.70	11.04	7.72	0.00	35.30	11.04	7.72	0.00
32.75	11.04	7.72	0.00	35.35	11.04	7.72	0.00
32.80	11.04	7.72	0.00	35.40	11.04	7.72	0.00
32.85	11.04	7.72	0.00	35.45	11.04	7.72	0.00
32.90	11.04	7.72	0.00	35.50	11.04	7.72	0.00
32.95	11.04	7.72	0.00	35.55	11.04	7.72	0.00
33.00	11.04	7.72	0.00	35.60	11.04	7.72	0.00
33.05	11.04	7.72	0.00	35.65	11.04	7.72	0.00
33.10	11.04	7.72	0.00	35.70	11.04	7.72	0.00
33.15	11.04	7.72	0.00	35.75	11.04	7.72	0.00
33.20	11.04	7.72	0.00	35.80	11.04	7.72	0.00
33.25	11.04	7.72	0.00	35.85	11.04	7.72	0.00
33.30	11.04	7.72	0.00	35.90	11.04	7.72	0.00
33.35	11.04	7.72	0.00	35.95	11.04	7.72	0.00
33.40	11.04	7.72	0.00	36.00	11.04	7.72	0.00
33.45	11.04	7.72	0.00	36.05	11.04	7.72	0.00
33.50	11.04	7.72	0.00	36.10	11.04	7.72	0.00
33.55	11.04	7.72	0.00	36.15	11.04	7.72	0.00
33.60	11.04	7.72	0.00	36.20	11.04	7.72	0.00
33.65	11.04	7.72	0.00	36.25	11.04	7.72	0.00
33.70	11.04	7.72	0.00	36.30	11.04	7.72	0.00
33.75	11.04	7.72	0.00	36.35	11.04	7.72	0.00

Hydrograph for Subcatchment 56P: PDA-56 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	7.72	0.00
36.45	11.04	7.72	0.00
36.50	11.04	7.72	0.00
36.55	11.04	7.72	0.00
36.60	11.04	7.72	0.00
36.65	11.04	7.72	0.00
36.70	11.04	7.72	0.00
36.75	11.04	7.72	0.00
36.80	11.04	7.72	0.00
36.85	11.04	7.72	0.00
36.90	11.04	7.72	0.00
36.95	11.04	7.72	0.00
37.00	11.04	7.72	0.00
37.05	11.04	7.72	0.00
37.10	11.04	7.72	0.00
37.15	11.04	7.72	0.00
37.20	11.04	7.72	0.00
37.25	11.04	7.72	0.00
37.30	11.04	7.72	0.00
37.35	11.04	7.72	0.00
37.40	11.04	7.72	0.00
37.45	11.04	7.72	0.00
37.50	11.04	7.72	0.00
37.55	11.04	7.72	0.00
37.60	11.04	7.72	0.00
37.65	11.04	7.72	0.00
37.70	11.04	7.72	0.00
37.75	11.04	7.72	0.00
37.80	11.04	7.72	0.00
37.85	11.04	7.72	0.00
37.90	11.04	7.72	0.00
37.95	11.04	7.72	0.00
38.00	11.04	7.72	0.00
38.05	11.04	7.72	0.00
38.10	11.04	7.72	0.00
38.15	11.04	7.72	0.00
38.20	11.04	7.72	0.00
38.25	11.04	7.72	0.00
38.30	11.04	7.72	0.00
38.35	11.04	7.72	0.00
38.40	11.04	7.72	0.00
38.45	11.04	7.72	0.00
38.50	11.04	7.72	0.00
38.55	11.04	7.72	0.00
38.60	11.04	7.72	0.00
38.65	11.04	7.72	0.00
38.70	11.04	7.72	0.00
38.75	11.04	7.72	0.00
38.80	11.04	7.72	0.00
38.85	11.04	7.72	0.00
38.90	11.04	7.72	0.00
38.95	11.04	7.72	0.00
39.00	11.04	7.72	0.00
39.05	11.04	7.72	0.00
39.10	11.04	7.72	0.00
39.15	11.04	7.72	0.00
39.20	11.04	7.72	0.00
39.25	11.04	7.72	0.00
39.30	11.04	7.72	0.00
39.35	11.04	7.72	0.00
39.40	11.04	7.72	0.00
39.45	11.04	7.72	0.00
39.50	11.04	7.72	0.00
39.55	11.04	7.72	0.00
39.60	11.04	7.72	0.00
39.65	11.04	7.72	0.00
39.70	11.04	7.72	0.00
39.75	11.04	7.72	0.00
39.80	11.04	7.72	0.00
39.85	11.04	7.72	0.00
39.90	11.04	7.72	0.00
39.95	11.04	7.72	0.00
40.00	11.04	7.72	0.00

Summary for Subcatchment 57l: PDA-57 (impervious)

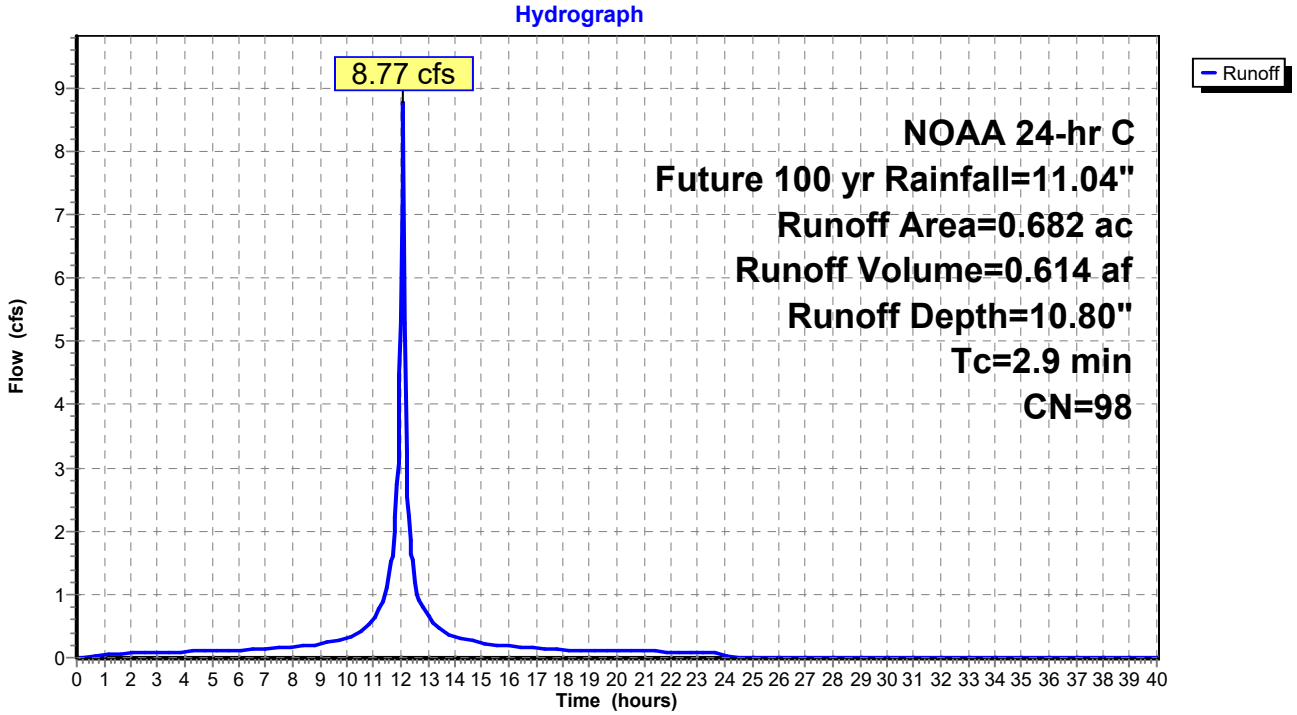
Runoff = 8.77 cfs @ 12.09 hrs, Volume= 0.614 af, Depth=10.80"
Routed to Pond B-57 : Basin #57

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

	Area (ac)	CN	Description
*	0.268	98	Pavement, HSG C
*	0.378	98	Roof, HSG C
*	0.036	98	Concrete, HSG C
	0.682	98	Weighted Average
	0.682		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.9					**Direct Entry,**

Subcatchment 57l: PDA-57 (impervious)



Hydrograph for Subcatchment 57I: PDA-57 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.17	0.08
0.05	0.01	0.00	0.00	2.65	0.34	0.18	0.08
0.10	0.01	0.00	0.00	2.70	0.35	0.18	0.08
0.15	0.02	0.00	0.00	2.75	0.35	0.19	0.08
0.20	0.03	0.00	0.00	2.80	0.36	0.20	0.08
0.25	0.03	0.00	0.00	2.85	0.37	0.20	0.08
0.30	0.04	0.00	0.00	2.90	0.38	0.21	0.08
0.35	0.04	0.00	0.00	2.95	0.38	0.21	0.08
0.40	0.05	0.00	0.00	3.00	0.39	0.22	0.09
0.45	0.05	0.00	0.01	3.05	0.40	0.23	0.09
0.50	0.06	0.00	0.01	3.10	0.40	0.23	0.09
0.55	0.07	0.00	0.01	3.15	0.41	0.24	0.09
0.60	0.07	0.00	0.02	3.20	0.42	0.25	0.09
0.65	0.08	0.01	0.02	3.25	0.43	0.25	0.09
0.70	0.08	0.01	0.02	3.30	0.43	0.26	0.09
0.75	0.09	0.01	0.03	3.35	0.44	0.27	0.09
0.80	0.10	0.01	0.03	3.40	0.45	0.27	0.09
0.85	0.10	0.01	0.03	3.45	0.46	0.28	0.09
0.90	0.11	0.02	0.03	3.50	0.46	0.29	0.09
0.95	0.11	0.02	0.04	3.55	0.47	0.29	0.09
1.00	0.12	0.02	0.04	3.60	0.48	0.30	0.09
1.05	0.13	0.03	0.04	3.65	0.49	0.31	0.09
1.10	0.13	0.03	0.04	3.70	0.49	0.31	0.09
1.15	0.14	0.03	0.05	3.75	0.50	0.32	0.10
1.20	0.15	0.04	0.05	3.80	0.51	0.33	0.10
1.25	0.15	0.04	0.05	3.85	0.52	0.33	0.10
1.30	0.16	0.04	0.05	3.90	0.52	0.34	0.10
1.35	0.16	0.05	0.05	3.95	0.53	0.35	0.10
1.40	0.17	0.05	0.05	4.00	0.54	0.35	0.10
1.45	0.18	0.05	0.06	4.05	0.55	0.36	0.10
1.50	0.18	0.06	0.06	4.10	0.56	0.37	0.10
1.55	0.19	0.06	0.06	4.15	0.56	0.38	0.10
1.60	0.20	0.07	0.06	4.20	0.57	0.38	0.10
1.65	0.20	0.07	0.06	4.25	0.58	0.39	0.10
1.70	0.21	0.08	0.06	4.30	0.59	0.40	0.10
1.75	0.22	0.08	0.06	4.35	0.60	0.41	0.10
1.80	0.22	0.09	0.06	4.40	0.60	0.41	0.10
1.85	0.23	0.09	0.07	4.45	0.61	0.42	0.10
1.90	0.24	0.10	0.07	4.50	0.62	0.43	0.10
1.95	0.24	0.10	0.07	4.55	0.63	0.44	0.10
2.00	0.25	0.11	0.07	4.60	0.64	0.44	0.10
2.05	0.26	0.11	0.07	4.65	0.64	0.45	0.10
2.10	0.26	0.12	0.07	4.70	0.65	0.46	0.11
2.15	0.27	0.12	0.07	4.75	0.66	0.47	0.11
2.20	0.28	0.13	0.07	4.80	0.67	0.47	0.11
2.25	0.28	0.13	0.07	4.85	0.68	0.48	0.11
2.30	0.29	0.14	0.08	4.90	0.69	0.49	0.11
2.35	0.30	0.14	0.08	4.95	0.69	0.50	0.11
2.40	0.30	0.15	0.08	5.00	0.70	0.51	0.11
2.45	0.31	0.15	0.08	5.05	0.71	0.51	0.11
2.50	0.32	0.16	0.08	5.10	0.72	0.52	0.11
2.55	0.33	0.17	0.08	5.15	0.73	0.53	0.11

Hydrograph for Subcatchment 57l: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.54	0.11	7.80	1.27	1.05	0.17
5.25	0.74	0.55	0.11	7.85	1.28	1.07	0.17
5.30	0.75	0.55	0.11	7.90	1.30	1.08	0.18
5.35	0.76	0.56	0.11	7.95	1.31	1.09	0.18
5.40	0.77	0.57	0.11	8.00	1.32	1.11	0.18
5.45	0.78	0.58	0.11	8.05	1.34	1.12	0.18
5.50	0.79	0.59	0.11	8.10	1.35	1.13	0.18
5.55	0.80	0.59	0.11	8.15	1.36	1.15	0.18
5.60	0.80	0.60	0.11	8.20	1.38	1.16	0.19
5.65	0.81	0.61	0.11	8.25	1.39	1.17	0.19
5.70	0.82	0.62	0.11	8.30	1.40	1.19	0.19
5.75	0.83	0.63	0.12	8.35	1.42	1.20	0.19
5.80	0.84	0.64	0.12	8.40	1.43	1.21	0.19
5.85	0.85	0.64	0.12	8.45	1.45	1.23	0.19
5.90	0.86	0.65	0.12	8.50	1.46	1.24	0.19
5.95	0.87	0.66	0.12	8.55	1.48	1.26	0.20
6.00	0.87	0.67	0.12	8.60	1.49	1.27	0.20
6.05	0.88	0.68	0.12	8.65	1.51	1.29	0.20
6.10	0.89	0.69	0.12	8.70	1.52	1.30	0.20
6.15	0.90	0.70	0.12	8.75	1.54	1.32	0.20
6.20	0.91	0.71	0.12	8.80	1.55	1.33	0.20
6.25	0.92	0.71	0.13	8.85	1.57	1.35	0.21
6.30	0.93	0.72	0.13	8.90	1.58	1.36	0.21
6.35	0.94	0.73	0.13	8.95	1.60	1.38	0.21
6.40	0.95	0.74	0.13	9.00	1.61	1.39	0.21
6.45	0.96	0.75	0.13	9.05	1.63	1.41	0.22
6.50	0.97	0.76	0.13	9.10	1.64	1.42	0.22
6.55	0.98	0.77	0.13	9.15	1.66	1.44	0.23
6.60	0.99	0.78	0.14	9.20	1.68	1.46	0.23
6.65	1.00	0.79	0.14	9.25	1.70	1.47	0.24
6.70	1.01	0.80	0.14	9.30	1.72	1.49	0.24
6.75	1.02	0.81	0.14	9.35	1.73	1.51	0.25
6.80	1.03	0.82	0.14	9.40	1.75	1.53	0.26
6.85	1.04	0.83	0.14	9.45	1.77	1.55	0.26
6.90	1.05	0.84	0.15	9.50	1.79	1.57	0.27
6.95	1.07	0.85	0.15	9.55	1.81	1.59	0.27
7.00	1.08	0.87	0.15	9.60	1.83	1.61	0.28
7.05	1.09	0.88	0.15	9.65	1.85	1.63	0.29
7.10	1.10	0.89	0.15	9.70	1.88	1.65	0.29
7.15	1.11	0.90	0.15	9.75	1.90	1.67	0.30
7.20	1.12	0.91	0.15	9.80	1.92	1.69	0.30
7.25	1.13	0.92	0.16	9.85	1.94	1.72	0.31
7.30	1.15	0.93	0.16	9.90	1.97	1.74	0.31
7.35	1.16	0.94	0.16	9.95	1.99	1.76	0.32
7.40	1.17	0.96	0.16	10.00	2.01	1.79	0.32
7.45	1.18	0.97	0.16	10.05	2.04	1.81	0.33
7.50	1.19	0.98	0.16	10.10	2.06	1.84	0.33
7.55	1.21	0.99	0.17	10.15	2.09	1.86	0.34
7.60	1.22	1.00	0.17	10.20	2.11	1.89	0.35
7.65	1.23	1.02	0.17	10.25	2.14	1.91	0.35
7.70	1.24	1.03	0.17	10.30	2.17	1.94	0.36
7.75	1.26	1.04	0.17	10.35	2.19	1.97	0.36

Hydrograph for Subcatchment 57I: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	1.99	0.37	13.00	8.39	8.15	0.68
10.45	2.25	2.02	0.38	13.05	8.43	8.19	0.63
10.50	2.28	2.05	0.38	13.10	8.48	8.24	0.60
10.55	2.31	2.08	0.41	13.15	8.52	8.28	0.57
10.60	2.34	2.11	0.42	13.20	8.56	8.32	0.56
10.65	2.37	2.14	0.45	13.25	8.60	8.36	0.53
10.70	2.41	2.18	0.47	13.30	8.63	8.39	0.52
10.75	2.44	2.21	0.49	13.35	8.67	8.43	0.49
10.80	2.48	2.25	0.51	13.40	8.70	8.46	0.47
10.85	2.52	2.29	0.54	13.45	8.73	8.49	0.44
10.90	2.56	2.33	0.55	13.50	8.76	8.52	0.43
10.95	2.61	2.38	0.58	13.55	8.79	8.55	0.40
11.00	2.65	2.42	0.60	13.60	8.82	8.58	0.39
11.05	2.70	2.47	0.65	13.65	8.85	8.61	0.38
11.10	2.75	2.52	0.68	13.70	8.87	8.63	0.37
11.15	2.80	2.57	0.73	13.75	8.90	8.66	0.36
11.20	2.86	2.63	0.76	13.80	8.93	8.69	0.36
11.25	2.92	2.69	0.81	13.85	8.95	8.71	0.35
11.30	2.98	2.75	0.84	13.90	8.98	8.74	0.35
11.35	3.05	2.82	0.89	13.95	9.00	8.76	0.34
11.40	3.12	2.89	0.92	14.00	9.03	8.79	0.34
11.45	3.19	2.96	0.96	14.05	9.05	8.81	0.33
11.50	3.26	3.03	1.00	14.10	9.07	8.83	0.33
11.55	3.37	3.14	1.32	14.15	9.10	8.86	0.32
11.60	3.49	3.25	1.51	14.20	9.12	8.88	0.32
11.65	3.60	3.37	1.58	14.25	9.14	8.90	0.31
11.70	3.72	3.49	1.62	14.30	9.16	8.92	0.30
11.75	3.88	3.65	1.98	14.35	9.19	8.95	0.30
11.80	4.04	3.81	2.21	14.40	9.21	8.97	0.29
11.85	4.27	4.03	2.74	14.45	9.23	8.99	0.29
11.90	4.49	4.25	3.08	14.50	9.25	9.01	0.28
11.95	4.88	4.64	4.45	14.55	9.27	9.03	0.27
12.00	5.26	5.02	5.29	14.60	9.29	9.05	0.27
12.05	5.91	5.67	7.50	14.65	9.31	9.07	0.26
12.10	6.55	6.31	**8.63**	14.70	9.32	9.08	0.26
12.15	6.77	6.53	5.27	14.75	9.34	9.10	0.25
12.20	7.00	6.76	3.24	14.80	9.36	9.12	0.25
12.25	7.16	6.92	2.55	14.85	9.38	9.14	0.24
12.30	7.32	7.08	2.23	14.90	9.40	9.15	0.24
12.35	7.44	7.20	1.84	14.95	9.41	9.17	0.23
12.40	7.55	7.31	1.63	15.00	9.43	9.19	0.22
12.45	7.67	7.43	1.57	15.05	9.44	9.20	0.22
12.50	7.78	7.54	1.53	15.10	9.46	9.22	0.21
12.55	7.85	7.61	1.20	15.15	9.47	9.23	0.21
12.60	7.92	7.68	1.01	15.20	9.49	9.25	0.21
12.65	7.99	7.75	0.95	15.25	9.50	9.26	0.21
12.70	8.06	7.82	0.93	15.30	9.52	9.28	0.21
12.75	8.12	7.88	0.88	15.35	9.53	9.29	0.21
12.80	8.18	7.94	0.85	15.40	9.55	9.31	0.20
12.85	8.24	8.00	0.80	15.45	9.56	9.32	0.20
12.90	8.29	8.05	0.77	15.50	9.58	9.34	0.20
12.95	8.34	8.10	0.71	15.55	9.59	9.35	0.20

Hydrograph for Subcatchment 57I: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	9.37	0.20	18.20	10.20	9.96	0.12
15.65	9.62	9.38	0.20	18.25	10.21	9.97	0.12
15.70	9.64	9.39	0.19	18.30	10.22	9.98	0.12
15.75	9.65	9.41	0.19	18.35	10.23	9.99	0.12
15.80	9.66	9.42	0.19	18.40	10.24	9.99	0.12
15.85	9.68	9.44	0.19	18.45	10.24	10.00	0.12
15.90	9.69	9.45	0.19	18.50	10.25	10.01	0.12
15.95	9.70	9.46	0.19	18.55	10.26	10.02	0.12
16.00	9.72	9.48	0.19	18.60	10.27	10.03	0.12
16.05	9.73	9.49	0.18	18.65	10.28	10.04	0.12
16.10	9.74	9.50	0.18	18.70	10.29	10.05	0.12
16.15	9.76	9.52	0.18	18.75	10.30	10.05	0.12
16.20	9.77	9.53	0.18	18.80	10.30	10.06	0.12
16.25	9.78	9.54	0.18	18.85	10.31	10.07	0.12
16.30	9.80	9.55	0.18	18.90	10.32	10.08	0.12
16.35	9.81	9.57	0.17	18.95	10.33	10.09	0.12
16.40	9.82	9.58	0.17	19.00	10.34	10.10	0.12
16.45	9.83	9.59	0.17	19.05	10.35	10.11	0.11
16.50	9.85	9.60	0.17	19.10	10.35	10.11	0.11
16.55	9.86	9.62	0.17	19.15	10.36	10.12	0.11
16.60	9.87	9.63	0.17	19.20	10.37	10.13	0.11
16.65	9.88	9.64	0.17	19.25	10.38	10.14	0.11
16.70	9.89	9.65	0.16	19.30	10.39	10.15	0.11
16.75	9.91	9.66	0.16	19.35	10.40	10.15	0.11
16.80	9.92	9.68	0.16	19.40	10.40	10.16	0.11
16.85	9.93	9.69	0.16	19.45	10.41	10.17	0.11
16.90	9.94	9.70	0.16	19.50	10.42	10.18	0.11
16.95	9.95	9.71	0.16	19.55	10.43	10.19	0.11
17.00	9.96	9.72	0.16	19.60	10.44	10.20	0.11
17.05	9.97	9.73	0.15	19.65	10.44	10.20	0.11
17.10	9.99	9.74	0.15	19.70	10.45	10.21	0.11
17.15	10.00	9.76	0.15	19.75	10.46	10.22	0.11
17.20	10.01	9.77	0.15	19.80	10.47	10.23	0.11
17.25	10.02	9.78	0.15	19.85	10.48	10.24	0.11
17.30	10.03	9.79	0.15	19.90	10.48	10.24	0.11
17.35	10.04	9.80	0.14	19.95	10.49	10.25	0.11
17.40	10.05	9.81	0.14	20.00	10.50	10.26	0.11
17.45	10.06	9.82	0.14	20.05	10.51	10.27	0.11
17.50	10.07	9.83	0.14	20.10	10.52	10.27	0.11
17.55	10.08	9.84	0.14	20.15	10.52	10.28	0.11
17.60	10.09	9.85	0.14	20.20	10.53	10.29	0.11
17.65	10.10	9.86	0.14	20.25	10.54	10.30	0.11
17.70	10.11	9.87	0.13	20.30	10.55	10.31	0.11
17.75	10.12	9.88	0.13	20.35	10.55	10.31	0.11
17.80	10.13	9.89	0.13	20.40	10.56	10.32	0.10
17.85	10.14	9.90	0.13	20.45	10.57	10.33	0.10
17.90	10.15	9.91	0.13	20.50	10.58	10.34	0.10
17.95	10.16	9.92	0.13	20.55	10.58	10.34	0.10
18.00	10.17	9.92	0.13	20.60	10.59	10.35	0.10
18.05	10.17	9.93	0.12	20.65	10.60	10.36	0.10
18.10	10.18	9.94	0.12	20.70	10.61	10.37	0.10
18.15	10.19	9.95	0.12	20.75	10.61	10.37	0.10

Hydrograph for Subcatchment 57l: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	10.38	0.10	23.40	10.97	10.73	0.08
20.85	10.63	10.39	0.10	23.45	10.97	10.73	0.08
20.90	10.64	10.39	0.10	23.50	10.98	10.74	0.08
20.95	10.64	10.40	0.10	23.55	10.99	10.74	0.08
21.00	10.65	10.41	0.10	23.60	10.99	10.75	0.08
21.05	10.66	10.42	0.10	23.65	11.00	10.76	0.08
21.10	10.66	10.42	0.10	23.70	11.00	10.76	0.08
21.15	10.67	10.43	0.10	23.75	11.01	10.77	0.08
21.20	10.68	10.44	0.10	23.80	11.01	10.77	0.08
21.25	10.69	10.45	0.10	23.85	11.02	10.78	0.08
21.30	10.69	10.45	0.10	23.90	11.03	10.78	0.08
21.35	10.70	10.46	0.10	23.95	11.03	10.79	0.09
21.40	10.71	10.47	0.10	24.00	**11.04**	**10.80**	0.09
21.45	10.71	10.47	0.10	24.05	11.04	10.80	0.04
21.50	10.72	10.48	0.10	24.10	11.04	10.80	0.00
21.55	10.73	10.49	0.10	24.15	11.04	10.80	0.00
21.60	10.74	10.49	0.10	24.20	11.04	10.80	0.00
21.65	10.74	10.50	0.10	24.25	11.04	10.80	0.00
21.70	10.75	10.51	0.09	24.30	11.04	10.80	0.00
21.75	10.76	10.52	0.09	24.35	11.04	10.80	0.00
21.80	10.76	10.52	0.09	24.40	11.04	10.80	0.00
21.85	10.77	10.53	0.09	24.45	11.04	10.80	0.00
21.90	10.78	10.54	0.09	24.50	11.04	10.80	0.00
21.95	10.78	10.54	0.09	24.55	11.04	10.80	0.00
22.00	10.79	10.55	0.09	24.60	11.04	10.80	0.00
22.05	10.80	10.56	0.09	24.65	11.04	10.80	0.00
22.10	10.80	10.56	0.09	24.70	11.04	10.80	0.00
22.15	10.81	10.57	0.09	24.75	11.04	10.80	0.00
22.20	10.82	10.58	0.09	24.80	11.04	10.80	0.00
22.25	10.82	10.58	0.09	24.85	11.04	10.80	0.00
22.30	10.83	10.59	0.09	24.90	11.04	10.80	0.00
22.35	10.84	10.60	0.09	24.95	11.04	10.80	0.00
22.40	10.84	10.60	0.09	25.00	11.04	10.80	0.00
22.45	10.85	10.61	0.09	25.05	11.04	10.80	0.00
22.50	10.86	10.62	0.09	25.10	11.04	10.80	0.00
22.55	10.86	10.62	0.09	25.15	11.04	10.80	0.00
22.60	10.87	10.63	0.09	25.20	11.04	10.80	0.00
22.65	10.88	10.63	0.09	25.25	11.04	10.80	0.00
22.70	10.88	10.64	0.09	25.30	11.04	10.80	0.00
22.75	10.89	10.65	0.09	25.35	11.04	10.80	0.00
22.80	10.89	10.65	0.09	25.40	11.04	10.80	0.00
22.85	10.90	10.66	0.09	25.45	11.04	10.80	0.00
22.90	10.91	10.67	0.09	25.50	11.04	10.80	0.00
22.95	10.91	10.67	0.09	25.55	11.04	10.80	0.00
23.00	10.92	10.68	0.09	25.60	11.04	10.80	0.00
23.05	10.93	10.68	0.08	25.65	11.04	10.80	0.00
23.10	10.93	10.69	0.08	25.70	11.04	10.80	0.00
23.15	10.94	10.70	0.08	25.75	11.04	10.80	0.00
23.20	10.94	10.70	0.08	25.80	11.04	10.80	0.00
23.25	10.95	10.71	0.08	25.85	11.04	10.80	0.00
23.30	10.96	10.71	0.08	25.90	11.04	10.80	0.00
23.35	10.96	10.72	0.08	25.95	11.04	10.80	0.00

Hydrograph for Subcatchment 57l: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	10.80	0.00	28.60	11.04	10.80	0.00
26.05	11.04	10.80	0.00	28.65	11.04	10.80	0.00
26.10	11.04	10.80	0.00	28.70	11.04	10.80	0.00
26.15	11.04	10.80	0.00	28.75	11.04	10.80	0.00
26.20	11.04	10.80	0.00	28.80	11.04	10.80	0.00
26.25	11.04	10.80	0.00	28.85	11.04	10.80	0.00
26.30	11.04	10.80	0.00	28.90	11.04	10.80	0.00
26.35	11.04	10.80	0.00	28.95	11.04	10.80	0.00
26.40	11.04	10.80	0.00	29.00	11.04	10.80	0.00
26.45	11.04	10.80	0.00	29.05	11.04	10.80	0.00
26.50	11.04	10.80	0.00	29.10	11.04	10.80	0.00
26.55	11.04	10.80	0.00	29.15	11.04	10.80	0.00
26.60	11.04	10.80	0.00	29.20	11.04	10.80	0.00
26.65	11.04	10.80	0.00	29.25	11.04	10.80	0.00
26.70	11.04	10.80	0.00	29.30	11.04	10.80	0.00
26.75	11.04	10.80	0.00	29.35	11.04	10.80	0.00
26.80	11.04	10.80	0.00	29.40	11.04	10.80	0.00
26.85	11.04	10.80	0.00	29.45	11.04	10.80	0.00
26.90	11.04	10.80	0.00	29.50	11.04	10.80	0.00
26.95	11.04	10.80	0.00	29.55	11.04	10.80	0.00
27.00	11.04	10.80	0.00	29.60	11.04	10.80	0.00
27.05	11.04	10.80	0.00	29.65	11.04	10.80	0.00
27.10	11.04	10.80	0.00	29.70	11.04	10.80	0.00
27.15	11.04	10.80	0.00	29.75	11.04	10.80	0.00
27.20	11.04	10.80	0.00	29.80	11.04	10.80	0.00
27.25	11.04	10.80	0.00	29.85	11.04	10.80	0.00
27.30	11.04	10.80	0.00	29.90	11.04	10.80	0.00
27.35	11.04	10.80	0.00	29.95	11.04	10.80	0.00
27.40	11.04	10.80	0.00	30.00	11.04	10.80	0.00
27.45	11.04	10.80	0.00	30.05	11.04	10.80	0.00
27.50	11.04	10.80	0.00	30.10	11.04	10.80	0.00
27.55	11.04	10.80	0.00	30.15	11.04	10.80	0.00
27.60	11.04	10.80	0.00	30.20	11.04	10.80	0.00
27.65	11.04	10.80	0.00	30.25	11.04	10.80	0.00
27.70	11.04	10.80	0.00	30.30	11.04	10.80	0.00
27.75	11.04	10.80	0.00	30.35	11.04	10.80	0.00
27.80	11.04	10.80	0.00	30.40	11.04	10.80	0.00
27.85	11.04	10.80	0.00	30.45	11.04	10.80	0.00
27.90	11.04	10.80	0.00	30.50	11.04	10.80	0.00
27.95	11.04	10.80	0.00	30.55	11.04	10.80	0.00
28.00	11.04	10.80	0.00	30.60	11.04	10.80	0.00
28.05	11.04	10.80	0.00	30.65	11.04	10.80	0.00
28.10	11.04	10.80	0.00	30.70	11.04	10.80	0.00
28.15	11.04	10.80	0.00	30.75	11.04	10.80	0.00
28.20	11.04	10.80	0.00	30.80	11.04	10.80	0.00
28.25	11.04	10.80	0.00	30.85	11.04	10.80	0.00
28.30	11.04	10.80	0.00	30.90	11.04	10.80	0.00
28.35	11.04	10.80	0.00	30.95	11.04	10.80	0.00
28.40	11.04	10.80	0.00	31.00	11.04	10.80	0.00
28.45	11.04	10.80	0.00	31.05	11.04	10.80	0.00
28.50	11.04	10.80	0.00	31.10	11.04	10.80	0.00
28.55	11.04	10.80	0.00	31.15	11.04	10.80	0.00

Hydrograph for Subcatchment 57I: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	10.80	0.00	33.80	11.04	10.80	0.00
31.25	11.04	10.80	0.00	33.85	11.04	10.80	0.00
31.30	11.04	10.80	0.00	33.90	11.04	10.80	0.00
31.35	11.04	10.80	0.00	33.95	11.04	10.80	0.00
31.40	11.04	10.80	0.00	34.00	11.04	10.80	0.00
31.45	11.04	10.80	0.00	34.05	11.04	10.80	0.00
31.50	11.04	10.80	0.00	34.10	11.04	10.80	0.00
31.55	11.04	10.80	0.00	34.15	11.04	10.80	0.00
31.60	11.04	10.80	0.00	34.20	11.04	10.80	0.00
31.65	11.04	10.80	0.00	34.25	11.04	10.80	0.00
31.70	11.04	10.80	0.00	34.30	11.04	10.80	0.00
31.75	11.04	10.80	0.00	34.35	11.04	10.80	0.00
31.80	11.04	10.80	0.00	34.40	11.04	10.80	0.00
31.85	11.04	10.80	0.00	34.45	11.04	10.80	0.00
31.90	11.04	10.80	0.00	34.50	11.04	10.80	0.00
31.95	11.04	10.80	0.00	34.55	11.04	10.80	0.00
32.00	11.04	10.80	0.00	34.60	11.04	10.80	0.00
32.05	11.04	10.80	0.00	34.65	11.04	10.80	0.00
32.10	11.04	10.80	0.00	34.70	11.04	10.80	0.00
32.15	11.04	10.80	0.00	34.75	11.04	10.80	0.00
32.20	11.04	10.80	0.00	34.80	11.04	10.80	0.00
32.25	11.04	10.80	0.00	34.85	11.04	10.80	0.00
32.30	11.04	10.80	0.00	34.90	11.04	10.80	0.00
32.35	11.04	10.80	0.00	34.95	11.04	10.80	0.00
32.40	11.04	10.80	0.00	35.00	11.04	10.80	0.00
32.45	11.04	10.80	0.00	35.05	11.04	10.80	0.00
32.50	11.04	10.80	0.00	35.10	11.04	10.80	0.00
32.55	11.04	10.80	0.00	35.15	11.04	10.80	0.00
32.60	11.04	10.80	0.00	35.20	11.04	10.80	0.00
32.65	11.04	10.80	0.00	35.25	11.04	10.80	0.00
32.70	11.04	10.80	0.00	35.30	11.04	10.80	0.00
32.75	11.04	10.80	0.00	35.35	11.04	10.80	0.00
32.80	11.04	10.80	0.00	35.40	11.04	10.80	0.00
32.85	11.04	10.80	0.00	35.45	11.04	10.80	0.00
32.90	11.04	10.80	0.00	35.50	11.04	10.80	0.00
32.95	11.04	10.80	0.00	35.55	11.04	10.80	0.00
33.00	11.04	10.80	0.00	35.60	11.04	10.80	0.00
33.05	11.04	10.80	0.00	35.65	11.04	10.80	0.00
33.10	11.04	10.80	0.00	35.70	11.04	10.80	0.00
33.15	11.04	10.80	0.00	35.75	11.04	10.80	0.00
33.20	11.04	10.80	0.00	35.80	11.04	10.80	0.00
33.25	11.04	10.80	0.00	35.85	11.04	10.80	0.00
33.30	11.04	10.80	0.00	35.90	11.04	10.80	0.00
33.35	11.04	10.80	0.00	35.95	11.04	10.80	0.00
33.40	11.04	10.80	0.00	36.00	11.04	10.80	0.00
33.45	11.04	10.80	0.00	36.05	11.04	10.80	0.00
33.50	11.04	10.80	0.00	36.10	11.04	10.80	0.00
33.55	11.04	10.80	0.00	36.15	11.04	10.80	0.00
33.60	11.04	10.80	0.00	36.20	11.04	10.80	0.00
33.65	11.04	10.80	0.00	36.25	11.04	10.80	0.00
33.70	11.04	10.80	0.00	36.30	11.04	10.80	0.00
33.75	11.04	10.80	0.00	36.35	11.04	10.80	0.00

Hydrograph for Subcatchment 57l: PDA-57 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	10.80	0.00
36.45	11.04	10.80	0.00
36.50	11.04	10.80	0.00
36.55	11.04	10.80	0.00
36.60	11.04	10.80	0.00
36.65	11.04	10.80	0.00
36.70	11.04	10.80	0.00
36.75	11.04	10.80	0.00
36.80	11.04	10.80	0.00
36.85	11.04	10.80	0.00
36.90	11.04	10.80	0.00
36.95	11.04	10.80	0.00
37.00	11.04	10.80	0.00
37.05	11.04	10.80	0.00
37.10	11.04	10.80	0.00
37.15	11.04	10.80	0.00
37.20	11.04	10.80	0.00
37.25	11.04	10.80	0.00
37.30	11.04	10.80	0.00
37.35	11.04	10.80	0.00
37.40	11.04	10.80	0.00
37.45	11.04	10.80	0.00
37.50	11.04	10.80	0.00
37.55	11.04	10.80	0.00
37.60	11.04	10.80	0.00
37.65	11.04	10.80	0.00
37.70	11.04	10.80	0.00
37.75	11.04	10.80	0.00
37.80	11.04	10.80	0.00
37.85	11.04	10.80	0.00
37.90	11.04	10.80	0.00
37.95	11.04	10.80	0.00
38.00	11.04	10.80	0.00
38.05	11.04	10.80	0.00
38.10	11.04	10.80	0.00
38.15	11.04	10.80	0.00
38.20	11.04	10.80	0.00
38.25	11.04	10.80	0.00
38.30	11.04	10.80	0.00
38.35	11.04	10.80	0.00
38.40	11.04	10.80	0.00
38.45	11.04	10.80	0.00
38.50	11.04	10.80	0.00
38.55	11.04	10.80	0.00
38.60	11.04	10.80	0.00
38.65	11.04	10.80	0.00
38.70	11.04	10.80	0.00
38.75	11.04	10.80	0.00
38.80	11.04	10.80	0.00
38.85	11.04	10.80	0.00
38.90	11.04	10.80	0.00
38.95	11.04	10.80	0.00
39.00	11.04	10.80	0.00
39.05	11.04	10.80	0.00
39.10	11.04	10.80	0.00
39.15	11.04	10.80	0.00
39.20	11.04	10.80	0.00
39.25	11.04	10.80	0.00
39.30	11.04	10.80	0.00
39.35	11.04	10.80	0.00
39.40	11.04	10.80	0.00
39.45	11.04	10.80	0.00
39.50	11.04	10.80	0.00
39.55	11.04	10.80	0.00
39.60	11.04	10.80	0.00
39.65	11.04	10.80	0.00
39.70	11.04	10.80	0.00
39.75	11.04	10.80	0.00
39.80	11.04	10.80	0.00
39.85	11.04	10.80	0.00
39.90	11.04	10.80	0.00
39.95	11.04	10.80	0.00
40.00	11.04	10.80	0.00

Summary for Subcatchment 57P: PDA-57 (pervious)

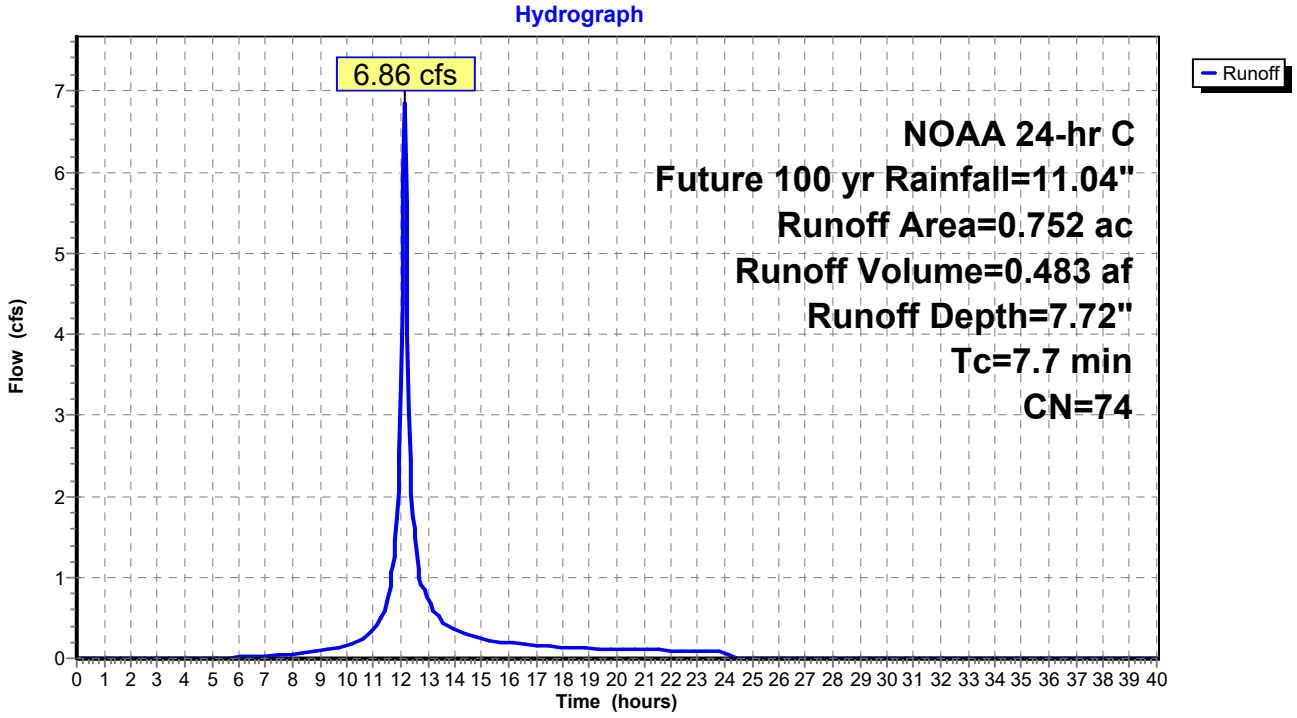
Runoff = 6.86 cfs @ 12.15 hrs, Volume= 0.483 af, Depth= 7.72"
Routed to Pond B-57 : Basin #57

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

Area (ac)	CN	Description
0.752	74	>75% Grass cover, Good, HSG C
0.752		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
7.7					**Direct Entry,**

Subcatchment 57P: PDA-57 (pervious)



Hydrograph for Subcatchment 57P: PDA-57 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.34	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.35	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.35	0.00	0.00
0.20	0.03	0.00	0.00	2.80	0.36	0.00	0.00
0.25	0.03	0.00	0.00	2.85	0.37	0.00	0.00
0.30	0.04	0.00	0.00	2.90	0.38	0.00	0.00
0.35	0.04	0.00	0.00	2.95	0.38	0.00	0.00
0.40	0.05	0.00	0.00	3.00	0.39	0.00	0.00
0.45	0.05	0.00	0.00	3.05	0.40	0.00	0.00
0.50	0.06	0.00	0.00	3.10	0.40	0.00	0.00
0.55	0.07	0.00	0.00	3.15	0.41	0.00	0.00
0.60	0.07	0.00	0.00	3.20	0.42	0.00	0.00
0.65	0.08	0.00	0.00	3.25	0.43	0.00	0.00
0.70	0.08	0.00	0.00	3.30	0.43	0.00	0.00
0.75	0.09	0.00	0.00	3.35	0.44	0.00	0.00
0.80	0.10	0.00	0.00	3.40	0.45	0.00	0.00
0.85	0.10	0.00	0.00	3.45	0.46	0.00	0.00
0.90	0.11	0.00	0.00	3.50	0.46	0.00	0.00
0.95	0.11	0.00	0.00	3.55	0.47	0.00	0.00
1.00	0.12	0.00	0.00	3.60	0.48	0.00	0.00
1.05	0.13	0.00	0.00	3.65	0.49	0.00	0.00
1.10	0.13	0.00	0.00	3.70	0.49	0.00	0.00
1.15	0.14	0.00	0.00	3.75	0.50	0.00	0.00
1.20	0.15	0.00	0.00	3.80	0.51	0.00	0.00
1.25	0.15	0.00	0.00	3.85	0.52	0.00	0.00
1.30	0.16	0.00	0.00	3.90	0.52	0.00	0.00
1.35	0.16	0.00	0.00	3.95	0.53	0.00	0.00
1.40	0.17	0.00	0.00	4.00	0.54	0.00	0.00
1.45	0.18	0.00	0.00	4.05	0.55	0.00	0.00
1.50	0.18	0.00	0.00	4.10	0.56	0.00	0.00
1.55	0.19	0.00	0.00	4.15	0.56	0.00	0.00
1.60	0.20	0.00	0.00	4.20	0.57	0.00	0.00
1.65	0.20	0.00	0.00	4.25	0.58	0.00	0.00
1.70	0.21	0.00	0.00	4.30	0.59	0.00	0.00
1.75	0.22	0.00	0.00	4.35	0.60	0.00	0.00
1.80	0.22	0.00	0.00	4.40	0.60	0.00	0.00
1.85	0.23	0.00	0.00	4.45	0.61	0.00	0.00
1.90	0.24	0.00	0.00	4.50	0.62	0.00	0.00
1.95	0.24	0.00	0.00	4.55	0.63	0.00	0.00
2.00	0.25	0.00	0.00	4.60	0.64	0.00	0.00
2.05	0.26	0.00	0.00	4.65	0.64	0.00	0.00
2.10	0.26	0.00	0.00	4.70	0.65	0.00	0.00
2.15	0.27	0.00	0.00	4.75	0.66	0.00	0.00
2.20	0.28	0.00	0.00	4.80	0.67	0.00	0.00
2.25	0.28	0.00	0.00	4.85	0.68	0.00	0.00
2.30	0.29	0.00	0.00	4.90	0.69	0.00	0.00
2.35	0.30	0.00	0.00	4.95	0.69	0.00	0.00
2.40	0.30	0.00	0.00	5.00	0.70	0.00	0.00
2.45	0.31	0.00	0.00	5.05	0.71	0.00	0.00
2.50	0.32	0.00	0.00	5.10	0.72	0.00	0.00
2.55	0.33	0.00	0.00	5.15	0.73	0.00	0.00

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.00	0.00	7.80	1.27	0.08	0.05
5.25	0.74	0.00	0.00	7.85	1.28	0.08	0.05
5.30	0.75	0.00	0.00	7.90	1.30	0.09	0.05
5.35	0.76	0.00	0.00	7.95	1.31	0.09	0.05
5.40	0.77	0.00	0.00	8.00	1.32	0.09	0.05
5.45	0.78	0.00	0.00	8.05	1.34	0.10	0.05
5.50	0.79	0.00	0.00	8.10	1.35	0.10	0.06
5.55	0.80	0.00	0.01	8.15	1.36	0.10	0.06
5.60	0.80	0.00	0.01	8.20	1.38	0.11	0.06
5.65	0.81	0.00	0.01	8.25	1.39	0.11	0.06
5.70	0.82	0.00	0.01	8.30	1.40	0.12	0.06
5.75	0.83	0.00	0.01	8.35	1.42	0.12	0.06
5.80	0.84	0.01	0.01	8.40	1.43	0.13	0.06
5.85	0.85	0.01	0.01	8.45	1.45	0.13	0.07
5.90	0.86	0.01	0.01	8.50	1.46	0.13	0.07
5.95	0.87	0.01	0.01	8.55	1.48	0.14	0.07
6.00	0.87	0.01	0.01	8.60	1.49	0.14	0.07
6.05	0.88	0.01	0.01	8.65	1.51	0.15	0.07
6.10	0.89	0.01	0.01	8.70	1.52	0.15	0.07
6.15	0.90	0.01	0.01	8.75	1.54	0.16	0.08
6.20	0.91	0.01	0.01	8.80	1.55	0.16	0.08
6.25	0.92	0.01	0.01	8.85	1.57	0.17	0.08
6.30	0.93	0.01	0.02	8.90	1.58	0.18	0.08
6.35	0.94	0.02	0.02	8.95	1.60	0.18	0.08
6.40	0.95	0.02	0.02	9.00	1.61	0.19	0.08
6.45	0.96	0.02	0.02	9.05	1.63	0.19	0.09
6.50	0.97	0.02	0.02	9.10	1.64	0.20	0.09
6.55	0.98	0.02	0.02	9.15	1.66	0.21	0.09
6.60	0.99	0.02	0.02	9.20	1.68	0.21	0.09
6.65	1.00	0.02	0.02	9.25	1.70	0.22	0.10
6.70	1.01	0.02	0.02	9.30	1.72	0.23	0.10
6.75	1.02	0.03	0.02	9.35	1.73	0.23	0.11
6.80	1.03	0.03	0.02	9.40	1.75	0.24	0.11
6.85	1.04	0.03	0.03	9.45	1.77	0.25	0.11
6.90	1.05	0.03	0.03	9.50	1.79	0.26	0.12
6.95	1.07	0.03	0.03	9.55	1.81	0.27	0.12
7.00	1.08	0.04	0.03	9.60	1.83	0.28	0.13
7.05	1.09	0.04	0.03	9.65	1.85	0.28	0.13
7.10	1.10	0.04	0.03	9.70	1.88	0.29	0.13
7.15	1.11	0.04	0.03	9.75	1.90	0.30	0.14
7.20	1.12	0.04	0.03	9.80	1.92	0.31	0.14
7.25	1.13	0.05	0.03	9.85	1.94	0.32	0.15
7.30	1.15	0.05	0.04	9.90	1.97	0.33	0.15
7.35	1.16	0.05	0.04	9.95	1.99	0.34	0.16
7.40	1.17	0.05	0.04	10.00	2.01	0.36	0.16
7.45	1.18	0.06	0.04	10.05	2.04	0.37	0.17
7.50	1.19	0.06	0.04	10.10	2.06	0.38	0.17
7.55	1.21	0.06	0.04	10.15	2.09	0.39	0.18
7.60	1.22	0.07	0.04	10.20	2.11	0.40	0.18
7.65	1.23	0.07	0.04	10.25	2.14	0.42	0.19
7.70	1.24	0.07	0.05	10.30	2.17	0.43	0.19
7.75	1.26	0.08	0.05	10.35	2.19	0.44	0.20

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	0.46	0.20	13.00	8.39	5.28	0.73
10.45	2.25	0.47	0.21	13.05	8.43	5.32	0.69
10.50	2.28	0.49	0.21	13.10	8.48	5.36	0.65
10.55	2.31	0.50	0.22	13.15	8.52	5.39	0.62
10.60	2.34	0.52	0.23	13.20	8.56	5.43	0.59
10.65	2.37	0.54	0.24	13.25	8.60	5.46	0.57
10.70	2.41	0.56	0.26	13.30	8.63	5.50	0.54
10.75	2.44	0.58	0.27	13.35	8.67	5.53	0.52
10.80	2.48	0.60	0.29	13.40	8.70	5.56	0.50
10.85	2.52	0.62	0.31	13.45	8.73	5.59	0.48
10.90	2.56	0.64	0.32	13.50	8.76	5.61	0.46
10.95	2.61	0.67	0.34	13.55	8.79	5.64	0.44
11.00	2.65	0.69	0.36	13.60	8.82	5.67	0.41
11.05	2.70	0.72	0.38	13.65	8.85	5.69	0.40
11.10	2.75	0.75	0.41	13.70	8.87	5.71	0.38
11.15	2.80	0.79	0.44	13.75	8.90	5.74	0.38
11.20	2.86	0.82	0.47	13.80	8.93	5.76	0.37
11.25	2.92	0.86	0.50	13.85	8.95	5.79	0.36
11.30	2.98	0.90	0.54	13.90	8.98	5.81	0.36
11.35	3.05	0.94	0.57	13.95	9.00	5.83	0.35
11.40	3.12	0.98	0.61	14.00	9.03	5.85	0.35
11.45	3.19	1.03	0.64	14.05	9.05	5.88	0.34
11.50	3.26	1.08	0.67	14.10	9.07	5.90	0.34
11.55	3.37	1.15	0.73	14.15	9.10	5.92	0.33
11.60	3.49	1.23	0.89	14.20	9.12	5.94	0.33
11.65	3.60	1.31	1.05	14.25	9.14	5.96	0.32
11.70	3.72	1.39	1.15	14.30	9.16	5.98	0.31
11.75	3.88	1.51	1.25	14.35	9.19	6.00	0.31
11.80	4.04	1.63	1.45	14.40	9.21	6.02	0.30
11.85	4.27	1.79	1.70	14.45	9.23	6.04	0.30
11.90	4.49	1.96	2.05	14.50	9.25	6.06	0.29
11.95	4.88	2.27	2.51	14.55	9.27	6.07	0.29
12.00	5.26	2.57	3.34	14.60	9.29	6.09	0.28
12.05	5.91	3.11	4.37	14.65	9.31	6.11	0.27
12.10	6.55	3.65	5.90	14.70	9.32	6.13	0.27
12.15	6.77	3.85	**6.85**	14.75	9.34	6.14	0.26
12.20	7.00	4.04	5.63	14.80	9.36	6.16	0.26
12.25	7.16	4.18	4.01	14.85	9.38	6.17	0.25
12.30	7.32	4.32	3.04	14.90	9.40	6.19	0.25
12.35	7.44	4.43	2.45	14.95	9.41	6.21	0.24
12.40	7.55	4.53	2.04	15.00	9.43	6.22	0.23
12.45	7.67	4.63	1.75	15.05	9.44	6.23	0.23
12.50	7.78	4.73	1.61	15.10	9.46	6.25	0.22
12.55	7.85	4.79	1.50	15.15	9.47	6.26	0.22
12.60	7.92	4.86	1.29	15.20	9.49	6.28	0.22
12.65	7.99	4.92	1.10	15.25	9.50	6.29	0.21
12.70	8.06	4.98	1.00	15.30	9.52	6.30	0.21
12.75	8.12	5.03	0.94	15.35	9.53	6.32	0.21
12.80	8.18	5.09	0.89	15.40	9.55	6.33	0.21
12.85	8.24	5.14	0.85	15.45	9.56	6.34	0.21
12.90	8.29	5.19	0.81	15.50	9.58	6.36	0.21
12.95	8.34	5.23	0.77	15.55	9.59	6.37	0.20

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	6.38	0.20	18.20	10.20	6.93	0.12
15.65	9.62	6.40	0.20	18.25	10.21	6.94	0.12
15.70	9.64	6.41	0.20	18.30	10.22	6.95	0.12
15.75	9.65	6.42	0.20	18.35	10.23	6.96	0.12
15.80	9.66	6.44	0.20	18.40	10.24	6.97	0.12
15.85	9.68	6.45	0.19	18.45	10.24	6.97	0.12
15.90	9.69	6.46	0.19	18.50	10.25	6.98	0.12
15.95	9.70	6.47	0.19	18.55	10.26	6.99	0.12
16.00	9.72	6.49	0.19	18.60	10.27	7.00	0.12
16.05	9.73	6.50	0.19	18.65	10.28	7.01	0.12
16.10	9.74	6.51	0.19	18.70	10.29	7.01	0.12
16.15	9.76	6.52	0.19	18.75	10.30	7.02	0.12
16.20	9.77	6.54	0.18	18.80	10.30	7.03	0.12
16.25	9.78	6.55	0.18	18.85	10.31	7.04	0.12
16.30	9.80	6.56	0.18	18.90	10.32	7.04	0.12
16.35	9.81	6.57	0.18	18.95	10.33	7.05	0.12
16.40	9.82	6.58	0.18	19.00	10.34	7.06	0.12
16.45	9.83	6.59	0.18	19.05	10.35	7.07	0.12
16.50	9.85	6.60	0.18	19.10	10.35	7.08	0.12
16.55	9.86	6.62	0.17	19.15	10.36	7.08	0.12
16.60	9.87	6.63	0.17	19.20	10.37	7.09	0.12
16.65	9.88	6.64	0.17	19.25	10.38	7.10	0.12
16.70	9.89	6.65	0.17	19.30	10.39	7.11	0.12
16.75	9.91	6.66	0.17	19.35	10.40	7.11	0.12
16.80	9.92	6.67	0.17	19.40	10.40	7.12	0.12
16.85	9.93	6.68	0.16	19.45	10.41	7.13	0.12
16.90	9.94	6.69	0.16	19.50	10.42	7.14	0.11
16.95	9.95	6.70	0.16	19.55	10.43	7.14	0.11
17.00	9.96	6.71	0.16	19.60	10.44	7.15	0.11
17.05	9.97	6.72	0.16	19.65	10.44	7.16	0.11
17.10	9.99	6.73	0.16	19.70	10.45	7.17	0.11
17.15	10.00	6.74	0.16	19.75	10.46	7.17	0.11
17.20	10.01	6.75	0.15	19.80	10.47	7.18	0.11
17.25	10.02	6.76	0.15	19.85	10.48	7.19	0.11
17.30	10.03	6.77	0.15	19.90	10.48	7.20	0.11
17.35	10.04	6.78	0.15	19.95	10.49	7.20	0.11
17.40	10.05	6.79	0.15	20.00	10.50	7.21	0.11
17.45	10.06	6.80	0.15	20.05	10.51	7.22	0.11
17.50	10.07	6.81	0.15	20.10	10.52	7.23	0.11
17.55	10.08	6.82	0.14	20.15	10.52	7.23	0.11
17.60	10.09	6.83	0.14	20.20	10.53	7.24	0.11
17.65	10.10	6.84	0.14	20.25	10.54	7.25	0.11
17.70	10.11	6.85	0.14	20.30	10.55	7.25	0.11
17.75	10.12	6.86	0.14	20.35	10.55	7.26	0.11
17.80	10.13	6.87	0.14	20.40	10.56	7.27	0.11
17.85	10.14	6.87	0.13	20.45	10.57	7.28	0.11
17.90	10.15	6.88	0.13	20.50	10.58	7.28	0.11
17.95	10.16	6.89	0.13	20.55	10.58	7.29	0.11
18.00	10.17	6.90	0.13	20.60	10.59	7.30	0.11
18.05	10.17	6.91	0.13	20.65	10.60	7.30	0.11
18.10	10.18	6.92	0.13	20.70	10.61	7.31	0.11
18.15	10.19	6.92	0.13	20.75	10.61	7.32	0.11

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	7.32	0.11	23.40	10.97	7.65	0.09
20.85	10.63	7.33	0.10	23.45	10.97	7.65	0.09
20.90	10.64	7.34	0.10	23.50	10.98	7.66	0.08
20.95	10.64	7.34	0.10	23.55	10.99	7.66	0.08
21.00	10.65	7.35	0.10	23.60	10.99	7.67	0.08
21.05	10.66	7.36	0.10	23.65	11.00	7.67	0.08
21.10	10.66	7.36	0.10	23.70	11.00	7.68	0.08
21.15	10.67	7.37	0.10	23.75	11.01	7.69	0.08
21.20	10.68	7.38	0.10	23.80	11.01	7.69	0.08
21.25	10.69	7.38	0.10	23.85	11.02	7.70	0.08
21.30	10.69	7.39	0.10	23.90	11.03	7.70	0.08
21.35	10.70	7.40	0.10	23.95	11.03	7.71	0.08
21.40	10.71	7.40	0.10	24.00	**11.04**	**7.72**	0.09
21.45	10.71	7.41	0.10	24.05	11.04	7.72	0.09
21.50	10.72	7.42	0.10	24.10	11.04	7.72	0.06
21.55	10.73	7.42	0.10	24.15	11.04	7.72	0.02
21.60	10.74	7.43	0.10	24.20	11.04	7.72	0.01
21.65	10.74	7.44	0.10	24.25	11.04	7.72	0.00
21.70	10.75	7.44	0.10	24.30	11.04	7.72	0.00
21.75	10.76	7.45	0.10	24.35	11.04	7.72	0.00
21.80	10.76	7.46	0.10	24.40	11.04	7.72	0.00
21.85	10.77	7.46	0.10	24.45	11.04	7.72	0.00
21.90	10.78	7.47	0.10	24.50	11.04	7.72	0.00
21.95	10.78	7.48	0.10	24.55	11.04	7.72	0.00
22.00	10.79	7.48	0.10	24.60	11.04	7.72	0.00
22.05	10.80	7.49	0.10	24.65	11.04	7.72	0.00
22.10	10.80	7.49	0.10	24.70	11.04	7.72	0.00
22.15	10.81	7.50	0.09	24.75	11.04	7.72	0.00
22.20	10.82	7.51	0.09	24.80	11.04	7.72	0.00
22.25	10.82	7.51	0.09	24.85	11.04	7.72	0.00
22.30	10.83	7.52	0.09	24.90	11.04	7.72	0.00
22.35	10.84	7.53	0.09	24.95	11.04	7.72	0.00
22.40	10.84	7.53	0.09	25.00	11.04	7.72	0.00
22.45	10.85	7.54	0.09	25.05	11.04	7.72	0.00
22.50	10.86	7.54	0.09	25.10	11.04	7.72	0.00
22.55	10.86	7.55	0.09	25.15	11.04	7.72	0.00
22.60	10.87	7.56	0.09	25.20	11.04	7.72	0.00
22.65	10.88	7.56	0.09	25.25	11.04	7.72	0.00
22.70	10.88	7.57	0.09	25.30	11.04	7.72	0.00
22.75	10.89	7.57	0.09	25.35	11.04	7.72	0.00
22.80	10.89	7.58	0.09	25.40	11.04	7.72	0.00
22.85	10.90	7.58	0.09	25.45	11.04	7.72	0.00
22.90	10.91	7.59	0.09	25.50	11.04	7.72	0.00
22.95	10.91	7.60	0.09	25.55	11.04	7.72	0.00
23.00	10.92	7.60	0.09	25.60	11.04	7.72	0.00
23.05	10.93	7.61	0.09	25.65	11.04	7.72	0.00
23.10	10.93	7.61	0.09	25.70	11.04	7.72	0.00
23.15	10.94	7.62	0.09	25.75	11.04	7.72	0.00
23.20	10.94	7.63	0.09	25.80	11.04	7.72	0.00
23.25	10.95	7.63	0.09	25.85	11.04	7.72	0.00
23.30	10.96	7.64	0.09	25.90	11.04	7.72	0.00
23.35	10.96	7.64	0.09	25.95	11.04	7.72	0.00

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	7.72	0.00	28.60	11.04	7.72	0.00
26.05	11.04	7.72	0.00	28.65	11.04	7.72	0.00
26.10	11.04	7.72	0.00	28.70	11.04	7.72	0.00
26.15	11.04	7.72	0.00	28.75	11.04	7.72	0.00
26.20	11.04	7.72	0.00	28.80	11.04	7.72	0.00
26.25	11.04	7.72	0.00	28.85	11.04	7.72	0.00
26.30	11.04	7.72	0.00	28.90	11.04	7.72	0.00
26.35	11.04	7.72	0.00	28.95	11.04	7.72	0.00
26.40	11.04	7.72	0.00	29.00	11.04	7.72	0.00
26.45	11.04	7.72	0.00	29.05	11.04	7.72	0.00
26.50	11.04	7.72	0.00	29.10	11.04	7.72	0.00
26.55	11.04	7.72	0.00	29.15	11.04	7.72	0.00
26.60	11.04	7.72	0.00	29.20	11.04	7.72	0.00
26.65	11.04	7.72	0.00	29.25	11.04	7.72	0.00
26.70	11.04	7.72	0.00	29.30	11.04	7.72	0.00
26.75	11.04	7.72	0.00	29.35	11.04	7.72	0.00
26.80	11.04	7.72	0.00	29.40	11.04	7.72	0.00
26.85	11.04	7.72	0.00	29.45	11.04	7.72	0.00
26.90	11.04	7.72	0.00	29.50	11.04	7.72	0.00
26.95	11.04	7.72	0.00	29.55	11.04	7.72	0.00
27.00	11.04	7.72	0.00	29.60	11.04	7.72	0.00
27.05	11.04	7.72	0.00	29.65	11.04	7.72	0.00
27.10	11.04	7.72	0.00	29.70	11.04	7.72	0.00
27.15	11.04	7.72	0.00	29.75	11.04	7.72	0.00
27.20	11.04	7.72	0.00	29.80	11.04	7.72	0.00
27.25	11.04	7.72	0.00	29.85	11.04	7.72	0.00
27.30	11.04	7.72	0.00	29.90	11.04	7.72	0.00
27.35	11.04	7.72	0.00	29.95	11.04	7.72	0.00
27.40	11.04	7.72	0.00	30.00	11.04	7.72	0.00
27.45	11.04	7.72	0.00	30.05	11.04	7.72	0.00
27.50	11.04	7.72	0.00	30.10	11.04	7.72	0.00
27.55	11.04	7.72	0.00	30.15	11.04	7.72	0.00
27.60	11.04	7.72	0.00	30.20	11.04	7.72	0.00
27.65	11.04	7.72	0.00	30.25	11.04	7.72	0.00
27.70	11.04	7.72	0.00	30.30	11.04	7.72	0.00
27.75	11.04	7.72	0.00	30.35	11.04	7.72	0.00
27.80	11.04	7.72	0.00	30.40	11.04	7.72	0.00
27.85	11.04	7.72	0.00	30.45	11.04	7.72	0.00
27.90	11.04	7.72	0.00	30.50	11.04	7.72	0.00
27.95	11.04	7.72	0.00	30.55	11.04	7.72	0.00
28.00	11.04	7.72	0.00	30.60	11.04	7.72	0.00
28.05	11.04	7.72	0.00	30.65	11.04	7.72	0.00
28.10	11.04	7.72	0.00	30.70	11.04	7.72	0.00
28.15	11.04	7.72	0.00	30.75	11.04	7.72	0.00
28.20	11.04	7.72	0.00	30.80	11.04	7.72	0.00
28.25	11.04	7.72	0.00	30.85	11.04	7.72	0.00
28.30	11.04	7.72	0.00	30.90	11.04	7.72	0.00
28.35	11.04	7.72	0.00	30.95	11.04	7.72	0.00
28.40	11.04	7.72	0.00	31.00	11.04	7.72	0.00
28.45	11.04	7.72	0.00	31.05	11.04	7.72	0.00
28.50	11.04	7.72	0.00	31.10	11.04	7.72	0.00
28.55	11.04	7.72	0.00	31.15	11.04	7.72	0.00

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	7.72	0.00	33.80	11.04	7.72	0.00
31.25	11.04	7.72	0.00	33.85	11.04	7.72	0.00
31.30	11.04	7.72	0.00	33.90	11.04	7.72	0.00
31.35	11.04	7.72	0.00	33.95	11.04	7.72	0.00
31.40	11.04	7.72	0.00	34.00	11.04	7.72	0.00
31.45	11.04	7.72	0.00	34.05	11.04	7.72	0.00
31.50	11.04	7.72	0.00	34.10	11.04	7.72	0.00
31.55	11.04	7.72	0.00	34.15	11.04	7.72	0.00
31.60	11.04	7.72	0.00	34.20	11.04	7.72	0.00
31.65	11.04	7.72	0.00	34.25	11.04	7.72	0.00
31.70	11.04	7.72	0.00	34.30	11.04	7.72	0.00
31.75	11.04	7.72	0.00	34.35	11.04	7.72	0.00
31.80	11.04	7.72	0.00	34.40	11.04	7.72	0.00
31.85	11.04	7.72	0.00	34.45	11.04	7.72	0.00
31.90	11.04	7.72	0.00	34.50	11.04	7.72	0.00
31.95	11.04	7.72	0.00	34.55	11.04	7.72	0.00
32.00	11.04	7.72	0.00	34.60	11.04	7.72	0.00
32.05	11.04	7.72	0.00	34.65	11.04	7.72	0.00
32.10	11.04	7.72	0.00	34.70	11.04	7.72	0.00
32.15	11.04	7.72	0.00	34.75	11.04	7.72	0.00
32.20	11.04	7.72	0.00	34.80	11.04	7.72	0.00
32.25	11.04	7.72	0.00	34.85	11.04	7.72	0.00
32.30	11.04	7.72	0.00	34.90	11.04	7.72	0.00
32.35	11.04	7.72	0.00	34.95	11.04	7.72	0.00
32.40	11.04	7.72	0.00	35.00	11.04	7.72	0.00
32.45	11.04	7.72	0.00	35.05	11.04	7.72	0.00
32.50	11.04	7.72	0.00	35.10	11.04	7.72	0.00
32.55	11.04	7.72	0.00	35.15	11.04	7.72	0.00
32.60	11.04	7.72	0.00	35.20	11.04	7.72	0.00
32.65	11.04	7.72	0.00	35.25	11.04	7.72	0.00
32.70	11.04	7.72	0.00	35.30	11.04	7.72	0.00
32.75	11.04	7.72	0.00	35.35	11.04	7.72	0.00
32.80	11.04	7.72	0.00	35.40	11.04	7.72	0.00
32.85	11.04	7.72	0.00	35.45	11.04	7.72	0.00
32.90	11.04	7.72	0.00	35.50	11.04	7.72	0.00
32.95	11.04	7.72	0.00	35.55	11.04	7.72	0.00
33.00	11.04	7.72	0.00	35.60	11.04	7.72	0.00
33.05	11.04	7.72	0.00	35.65	11.04	7.72	0.00
33.10	11.04	7.72	0.00	35.70	11.04	7.72	0.00
33.15	11.04	7.72	0.00	35.75	11.04	7.72	0.00
33.20	11.04	7.72	0.00	35.80	11.04	7.72	0.00
33.25	11.04	7.72	0.00	35.85	11.04	7.72	0.00
33.30	11.04	7.72	0.00	35.90	11.04	7.72	0.00
33.35	11.04	7.72	0.00	35.95	11.04	7.72	0.00
33.40	11.04	7.72	0.00	36.00	11.04	7.72	0.00
33.45	11.04	7.72	0.00	36.05	11.04	7.72	0.00
33.50	11.04	7.72	0.00	36.10	11.04	7.72	0.00
33.55	11.04	7.72	0.00	36.15	11.04	7.72	0.00
33.60	11.04	7.72	0.00	36.20	11.04	7.72	0.00
33.65	11.04	7.72	0.00	36.25	11.04	7.72	0.00
33.70	11.04	7.72	0.00	36.30	11.04	7.72	0.00
33.75	11.04	7.72	0.00	36.35	11.04	7.72	0.00

Hydrograph for Subcatchment 57P: PDA-57 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	7.72	0.00
36.45	11.04	7.72	0.00
36.50	11.04	7.72	0.00
36.55	11.04	7.72	0.00
36.60	11.04	7.72	0.00
36.65	11.04	7.72	0.00
36.70	11.04	7.72	0.00
36.75	11.04	7.72	0.00
36.80	11.04	7.72	0.00
36.85	11.04	7.72	0.00
36.90	11.04	7.72	0.00
36.95	11.04	7.72	0.00
37.00	11.04	7.72	0.00
37.05	11.04	7.72	0.00
37.10	11.04	7.72	0.00
37.15	11.04	7.72	0.00
37.20	11.04	7.72	0.00
37.25	11.04	7.72	0.00
37.30	11.04	7.72	0.00
37.35	11.04	7.72	0.00
37.40	11.04	7.72	0.00
37.45	11.04	7.72	0.00
37.50	11.04	7.72	0.00
37.55	11.04	7.72	0.00
37.60	11.04	7.72	0.00
37.65	11.04	7.72	0.00
37.70	11.04	7.72	0.00
37.75	11.04	7.72	0.00
37.80	11.04	7.72	0.00
37.85	11.04	7.72	0.00
37.90	11.04	7.72	0.00
37.95	11.04	7.72	0.00
38.00	11.04	7.72	0.00
38.05	11.04	7.72	0.00
38.10	11.04	7.72	0.00
38.15	11.04	7.72	0.00
38.20	11.04	7.72	0.00
38.25	11.04	7.72	0.00
38.30	11.04	7.72	0.00
38.35	11.04	7.72	0.00
38.40	11.04	7.72	0.00
38.45	11.04	7.72	0.00
38.50	11.04	7.72	0.00
38.55	11.04	7.72	0.00
38.60	11.04	7.72	0.00
38.65	11.04	7.72	0.00
38.70	11.04	7.72	0.00
38.75	11.04	7.72	0.00
38.80	11.04	7.72	0.00
38.85	11.04	7.72	0.00
38.90	11.04	7.72	0.00
38.95	11.04	7.72	0.00
39.00	11.04	7.72	0.00
39.05	11.04	7.72	0.00
39.10	11.04	7.72	0.00
39.15	11.04	7.72	0.00
39.20	11.04	7.72	0.00
39.25	11.04	7.72	0.00
39.30	11.04	7.72	0.00
39.35	11.04	7.72	0.00
39.40	11.04	7.72	0.00
39.45	11.04	7.72	0.00
39.50	11.04	7.72	0.00
39.55	11.04	7.72	0.00
39.60	11.04	7.72	0.00
39.65	11.04	7.72	0.00
39.70	11.04	7.72	0.00
39.75	11.04	7.72	0.00
39.80	11.04	7.72	0.00
39.85	11.04	7.72	0.00
39.90	11.04	7.72	0.00
39.95	11.04	7.72	0.00
40.00	11.04	7.72	0.00

Summary for Subcatchment 58I: PDA-58 (impervious)

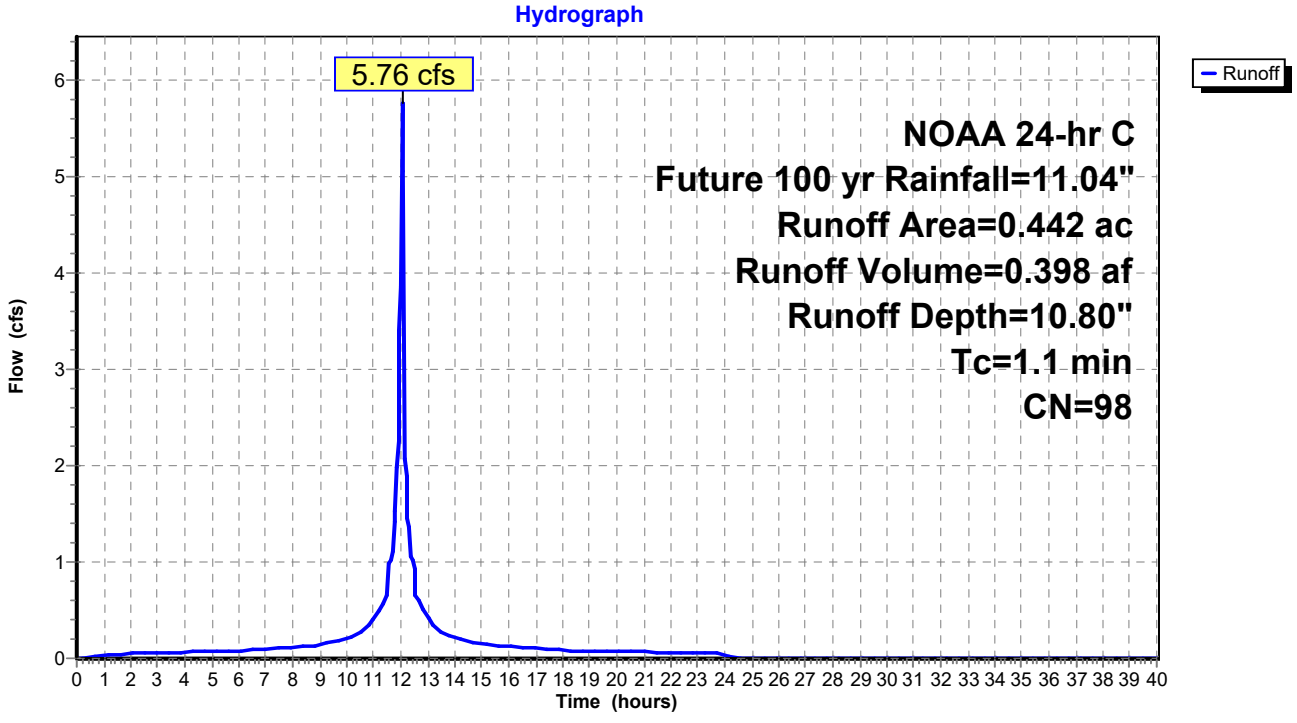
Runoff = 5.76 cfs @ 12.06 hrs, Volume= 0.398 af, Depth=10.80"
Routed to Pond B-58 : Basin #58

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

	Area (ac)	CN	Description
*	0.442	98	Roof, HSG C
*	0.000	98	Concrete, HSG C
	0.442	98	Weighted Average
	0.442		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.1					**Direct Entry,**

Subcatchment 58I: PDA-58 (impervious)



Hydrograph for Subcatchment 58I: PDA-58 (impervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.17	0.05
0.05	0.01	0.00	0.00	2.65	0.34	0.18	0.05
0.10	0.01	0.00	0.00	2.70	0.35	0.18	0.05
0.15	0.02	0.00	0.00	2.75	0.35	0.19	0.05
0.20	0.03	0.00	0.00	2.80	0.36	0.20	0.05
0.25	0.03	0.00	0.00	2.85	0.37	0.20	0.05
0.30	0.04	0.00	0.00	2.90	0.38	0.21	0.05
0.35	0.04	0.00	0.00	2.95	0.38	0.21	0.06
0.40	0.05	0.00	0.00	3.00	0.39	0.22	0.06
0.45	0.05	0.00	0.01	3.05	0.40	0.23	0.06
0.50	0.06	0.00	0.01	3.10	0.40	0.23	0.06
0.55	0.07	0.00	0.01	3.15	0.41	0.24	0.06
0.60	0.07	0.00	0.01	3.20	0.42	0.25	0.06
0.65	0.08	0.01	0.01	3.25	0.43	0.25	0.06
0.70	0.08	0.01	0.02	3.30	0.43	0.26	0.06
0.75	0.09	0.01	0.02	3.35	0.44	0.27	0.06
0.80	0.10	0.01	0.02	3.40	0.45	0.27	0.06
0.85	0.10	0.01	0.02	3.45	0.46	0.28	0.06
0.90	0.11	0.02	0.02	3.50	0.46	0.29	0.06
0.95	0.11	0.02	0.02	3.55	0.47	0.29	0.06
1.00	0.12	0.02	0.03	3.60	0.48	0.30	0.06
1.05	0.13	0.03	0.03	3.65	0.49	0.31	0.06
1.10	0.13	0.03	0.03	3.70	0.49	0.31	0.06
1.15	0.14	0.03	0.03	3.75	0.50	0.32	0.06
1.20	0.15	0.04	0.03	3.80	0.51	0.33	0.06
1.25	0.15	0.04	0.03	3.85	0.52	0.33	0.06
1.30	0.16	0.04	0.03	3.90	0.52	0.34	0.06
1.35	0.16	0.05	0.03	3.95	0.53	0.35	0.06
1.40	0.17	0.05	0.04	4.00	0.54	0.35	0.06
1.45	0.18	0.05	0.04	4.05	0.55	0.36	0.06
1.50	0.18	0.06	0.04	4.10	0.56	0.37	0.06
1.55	0.19	0.06	0.04	4.15	0.56	0.38	0.06
1.60	0.20	0.07	0.04	4.20	0.57	0.38	0.07
1.65	0.20	0.07	0.04	4.25	0.58	0.39	0.07
1.70	0.21	0.08	0.04	4.30	0.59	0.40	0.07
1.75	0.22	0.08	0.04	4.35	0.60	0.41	0.07
1.80	0.22	0.09	0.04	4.40	0.60	0.41	0.07
1.85	0.23	0.09	0.04	4.45	0.61	0.42	0.07
1.90	0.24	0.10	0.04	4.50	0.62	0.43	0.07
1.95	0.24	0.10	0.04	4.55	0.63	0.44	0.07
2.00	0.25	0.11	0.04	4.60	0.64	0.44	0.07
2.05	0.26	0.11	0.05	4.65	0.64	0.45	0.07
2.10	0.26	0.12	0.05	4.70	0.65	0.46	0.07
2.15	0.27	0.12	0.05	4.75	0.66	0.47	0.07
2.20	0.28	0.13	0.05	4.80	0.67	0.47	0.07
2.25	0.28	0.13	0.05	4.85	0.68	0.48	0.07
2.30	0.29	0.14	0.05	4.90	0.69	0.49	0.07
2.35	0.30	0.14	0.05	4.95	0.69	0.50	0.07
2.40	0.30	0.15	0.05	5.00	0.70	0.51	0.07
2.45	0.31	0.15	0.05	5.05	0.71	0.51	0.07
2.50	0.32	0.16	0.05	5.10	0.72	0.52	0.07
2.55	0.33	0.17	0.05	5.15	0.73	0.53	0.07

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.54	0.07	7.80	1.27	1.05	0.11
5.25	0.74	0.55	0.07	7.85	1.28	1.07	0.11
5.30	0.75	0.55	0.07	7.90	1.30	1.08	0.11
5.35	0.76	0.56	0.07	7.95	1.31	1.09	0.12
5.40	0.77	0.57	0.07	8.00	1.32	1.11	0.12
5.45	0.78	0.58	0.07	8.05	1.34	1.12	0.12
5.50	0.79	0.59	0.07	8.10	1.35	1.13	0.12
5.55	0.80	0.59	0.07	8.15	1.36	1.15	0.12
5.60	0.80	0.60	0.07	8.20	1.38	1.16	0.12
5.65	0.81	0.61	0.07	8.25	1.39	1.17	0.12
5.70	0.82	0.62	0.07	8.30	1.40	1.19	0.12
5.75	0.83	0.63	0.07	8.35	1.42	1.20	0.12
5.80	0.84	0.64	0.08	8.40	1.43	1.21	0.12
5.85	0.85	0.64	0.08	8.45	1.45	1.23	0.13
5.90	0.86	0.65	0.08	8.50	1.46	1.24	0.13
5.95	0.87	0.66	0.08	8.55	1.48	1.26	0.13
6.00	0.87	0.67	0.08	8.60	1.49	1.27	0.13
6.05	0.88	0.68	0.08	8.65	1.51	1.29	0.13
6.10	0.89	0.69	0.08	8.70	1.52	1.30	0.13
6.15	0.90	0.70	0.08	8.75	1.54	1.32	0.13
6.20	0.91	0.71	0.08	8.80	1.55	1.33	0.13
6.25	0.92	0.71	0.08	8.85	1.57	1.35	0.13
6.30	0.93	0.72	0.08	8.90	1.58	1.36	0.13
6.35	0.94	0.73	0.08	8.95	1.60	1.38	0.14
6.40	0.95	0.74	0.08	9.00	1.61	1.39	0.14
6.45	0.96	0.75	0.09	9.05	1.63	1.41	0.14
6.50	0.97	0.76	0.09	9.10	1.64	1.42	0.14
6.55	0.98	0.77	0.09	9.15	1.66	1.44	0.15
6.60	0.99	0.78	0.09	9.20	1.68	1.46	0.15
6.65	1.00	0.79	0.09	9.25	1.70	1.47	0.16
6.70	1.01	0.80	0.09	9.30	1.72	1.49	0.16
6.75	1.02	0.81	0.09	9.35	1.73	1.51	0.17
6.80	1.03	0.82	0.09	9.40	1.75	1.53	0.17
6.85	1.04	0.83	0.09	9.45	1.77	1.55	0.17
6.90	1.05	0.84	0.09	9.50	1.79	1.57	0.17
6.95	1.07	0.85	0.10	9.55	1.81	1.59	0.18
7.00	1.08	0.87	0.10	9.60	1.83	1.61	0.18
7.05	1.09	0.88	0.10	9.65	1.85	1.63	0.19
7.10	1.10	0.89	0.10	9.70	1.88	1.65	0.19
7.15	1.11	0.90	0.10	9.75	1.90	1.67	0.19
7.20	1.12	0.91	0.10	9.80	1.92	1.69	0.20
7.25	1.13	0.92	0.10	9.85	1.94	1.72	0.20
7.30	1.15	0.93	0.10	9.90	1.97	1.74	0.20
7.35	1.16	0.94	0.10	9.95	1.99	1.76	0.21
7.40	1.17	0.96	0.10	10.00	2.01	1.79	0.21
7.45	1.18	0.97	0.11	10.05	2.04	1.81	0.22
7.50	1.19	0.98	0.11	10.10	2.06	1.84	0.22
7.55	1.21	0.99	0.11	10.15	2.09	1.86	0.22
7.60	1.22	1.00	0.11	10.20	2.11	1.89	0.23
7.65	1.23	1.02	0.11	10.25	2.14	1.91	0.23
7.70	1.24	1.03	0.11	10.30	2.17	1.94	0.23
7.75	1.26	1.04	0.11	10.35	2.19	1.97	0.24

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	1.99	0.24	13.00	8.39	8.15	0.43
10.45	2.25	2.02	0.25	13.05	8.43	8.19	0.39
10.50	2.28	2.05	0.25	13.10	8.48	8.24	0.38
10.55	2.31	2.08	0.27	13.15	8.52	8.28	0.36
10.60	2.34	2.11	0.28	13.20	8.56	8.32	0.36
10.65	2.37	2.14	0.30	13.25	8.60	8.36	0.33
10.70	2.41	2.18	0.31	13.30	8.63	8.39	0.33
10.75	2.44	2.21	0.33	13.35	8.67	8.43	0.31
10.80	2.48	2.25	0.34	13.40	8.70	8.46	0.30
10.85	2.52	2.29	0.36	13.45	8.73	8.49	0.28
10.90	2.56	2.33	0.36	13.50	8.76	8.52	0.27
10.95	2.61	2.38	0.39	13.55	8.79	8.55	0.25
11.00	2.65	2.42	0.40	13.60	8.82	8.58	0.25
11.05	2.70	2.47	0.44	13.65	8.85	8.61	0.24
11.10	2.75	2.52	0.45	13.70	8.87	8.63	0.24
11.15	2.80	2.57	0.49	13.75	8.90	8.66	0.23
11.20	2.86	2.63	0.50	13.80	8.93	8.69	0.23
11.25	2.92	2.69	0.55	13.85	8.95	8.71	0.23
11.30	2.98	2.75	0.56	13.90	8.98	8.74	0.23
11.35	3.05	2.82	0.60	13.95	9.00	8.76	0.22
11.40	3.12	2.89	0.61	14.00	9.03	8.79	0.22
11.45	3.19	2.96	0.64	14.05	9.05	8.81	0.21
11.50	3.26	3.03	0.70	14.10	9.07	8.83	0.21
11.55	3.37	3.14	0.98	14.15	9.10	8.86	0.20
11.60	3.49	3.25	1.00	14.20	9.12	8.88	0.20
11.65	3.60	3.37	1.04	14.25	9.14	8.90	0.20
11.70	3.72	3.49	1.11	14.30	9.16	8.92	0.20
11.75	3.88	3.65	1.42	14.35	9.19	8.95	0.19
11.80	4.04	3.81	1.53	14.40	9.21	8.97	0.19
11.85	4.27	4.03	1.98	14.45	9.23	8.99	0.18
11.90	4.49	4.25	2.25	14.50	9.25	9.01	0.18
11.95	4.88	4.64	3.40	14.55	9.27	9.03	0.17
12.00	5.26	5.02	3.85	14.60	9.29	9.05	0.17
12.05	5.91	5.67	**5.69**	14.65	9.31	9.07	0.17
12.10	6.55	6.31	5.06	14.70	9.32	9.08	0.17
12.15	6.77	6.53	2.07	14.75	9.34	9.10	0.16
12.20	7.00	6.76	1.89	14.80	9.36	9.12	0.16
12.25	7.16	6.92	1.45	14.85	9.38	9.14	0.15
12.30	7.32	7.08	1.36	14.90	9.40	9.15	0.15
12.35	7.44	7.20	1.05	14.95	9.41	9.17	0.15
12.40	7.55	7.31	1.04	15.00	9.43	9.19	0.14
12.45	7.67	7.43	1.00	15.05	9.44	9.20	0.14
12.50	7.78	7.54	0.93	15.10	9.46	9.22	0.14
12.55	7.85	7.61	0.65	15.15	9.47	9.23	0.14
12.60	7.92	7.68	0.63	15.20	9.49	9.25	0.14
12.65	7.99	7.75	0.60	15.25	9.50	9.26	0.13
12.70	8.06	7.82	0.59	15.30	9.52	9.28	0.13
12.75	8.12	7.88	0.55	15.35	9.53	9.29	0.13
12.80	8.18	7.94	0.54	15.40	9.55	9.31	0.13
12.85	8.24	8.00	0.50	15.45	9.56	9.32	0.13
12.90	8.29	8.05	0.49	15.50	9.58	9.34	0.13
12.95	8.34	8.10	0.44	15.55	9.59	9.35	0.13

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	9.37	0.13	18.20	10.20	9.96	0.08
15.65	9.62	9.38	0.13	18.25	10.21	9.97	0.08
15.70	9.64	9.39	0.13	18.30	10.22	9.98	0.08
15.75	9.65	9.41	0.12	18.35	10.23	9.99	0.08
15.80	9.66	9.42	0.12	18.40	10.24	9.99	0.08
15.85	9.68	9.44	0.12	18.45	10.24	10.00	0.08
15.90	9.69	9.45	0.12	18.50	10.25	10.01	0.08
15.95	9.70	9.46	0.12	18.55	10.26	10.02	0.08
16.00	9.72	9.48	0.12	18.60	10.27	10.03	0.08
16.05	9.73	9.49	0.12	18.65	10.28	10.04	0.08
16.10	9.74	9.50	0.12	18.70	10.29	10.05	0.08
16.15	9.76	9.52	0.12	18.75	10.30	10.05	0.08
16.20	9.77	9.53	0.12	18.80	10.30	10.06	0.08
16.25	9.78	9.54	0.11	18.85	10.31	10.07	0.08
16.30	9.80	9.55	0.11	18.90	10.32	10.08	0.08
16.35	9.81	9.57	0.11	18.95	10.33	10.09	0.07
16.40	9.82	9.58	0.11	19.00	10.34	10.10	0.07
16.45	9.83	9.59	0.11	19.05	10.35	10.11	0.07
16.50	9.85	9.60	0.11	19.10	10.35	10.11	0.07
16.55	9.86	9.62	0.11	19.15	10.36	10.12	0.07
16.60	9.87	9.63	0.11	19.20	10.37	10.13	0.07
16.65	9.88	9.64	0.11	19.25	10.38	10.14	0.07
16.70	9.89	9.65	0.11	19.30	10.39	10.15	0.07
16.75	9.91	9.66	0.10	19.35	10.40	10.15	0.07
16.80	9.92	9.68	0.10	19.40	10.40	10.16	0.07
16.85	9.93	9.69	0.10	19.45	10.41	10.17	0.07
16.90	9.94	9.70	0.10	19.50	10.42	10.18	0.07
16.95	9.95	9.71	0.10	19.55	10.43	10.19	0.07
17.00	9.96	9.72	0.10	19.60	10.44	10.20	0.07
17.05	9.97	9.73	0.10	19.65	10.44	10.20	0.07
17.10	9.99	9.74	0.10	19.70	10.45	10.21	0.07
17.15	10.00	9.76	0.10	19.75	10.46	10.22	0.07
17.20	10.01	9.77	0.10	19.80	10.47	10.23	0.07
17.25	10.02	9.78	0.09	19.85	10.48	10.24	0.07
17.30	10.03	9.79	0.09	19.90	10.48	10.24	0.07
17.35	10.04	9.80	0.09	19.95	10.49	10.25	0.07
17.40	10.05	9.81	0.09	20.00	10.50	10.26	0.07
17.45	10.06	9.82	0.09	20.05	10.51	10.27	0.07
17.50	10.07	9.83	0.09	20.10	10.52	10.27	0.07
17.55	10.08	9.84	0.09	20.15	10.52	10.28	0.07
17.60	10.09	9.85	0.09	20.20	10.53	10.29	0.07
17.65	10.10	9.86	0.09	20.25	10.54	10.30	0.07
17.70	10.11	9.87	0.09	20.30	10.55	10.31	0.07
17.75	10.12	9.88	0.09	20.35	10.55	10.31	0.07
17.80	10.13	9.89	0.08	20.40	10.56	10.32	0.07
17.85	10.14	9.90	0.08	20.45	10.57	10.33	0.07
17.90	10.15	9.91	0.08	20.50	10.58	10.34	0.07
17.95	10.16	9.92	0.08	20.55	10.58	10.34	0.07
18.00	10.17	9.92	0.08	20.60	10.59	10.35	0.07
18.05	10.17	9.93	0.08	20.65	10.60	10.36	0.07
18.10	10.18	9.94	0.08	20.70	10.61	10.37	0.07
18.15	10.19	9.95	0.08	20.75	10.61	10.37	0.07

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	10.38	0.07	23.40	10.97	10.73	0.05
20.85	10.63	10.39	0.07	23.45	10.97	10.73	0.05
20.90	10.64	10.39	0.07	23.50	10.98	10.74	0.05
20.95	10.64	10.40	0.06	23.55	10.99	10.74	0.05
21.00	10.65	10.41	0.06	23.60	10.99	10.75	0.05
21.05	10.66	10.42	0.06	23.65	11.00	10.76	0.05
21.10	10.66	10.42	0.06	23.70	11.00	10.76	0.05
21.15	10.67	10.43	0.06	23.75	11.01	10.77	0.05
21.20	10.68	10.44	0.06	23.80	11.01	10.77	0.05
21.25	10.69	10.45	0.06	23.85	11.02	10.78	0.05
21.30	10.69	10.45	0.06	23.90	11.03	10.78	0.05
21.35	10.70	10.46	0.06	23.95	11.03	10.79	0.06
21.40	10.71	10.47	0.06	24.00	**11.04**	**10.80**	0.05
21.45	10.71	10.47	0.06	24.05	11.04	10.80	0.00
21.50	10.72	10.48	0.06	24.10	11.04	10.80	0.00
21.55	10.73	10.49	0.06	24.15	11.04	10.80	0.00
21.60	10.74	10.49	0.06	24.20	11.04	10.80	0.00
21.65	10.74	10.50	0.06	24.25	11.04	10.80	0.00
21.70	10.75	10.51	0.06	24.30	11.04	10.80	0.00
21.75	10.76	10.52	0.06	24.35	11.04	10.80	0.00
21.80	10.76	10.52	0.06	24.40	11.04	10.80	0.00
21.85	10.77	10.53	0.06	24.45	11.04	10.80	0.00
21.90	10.78	10.54	0.06	24.50	11.04	10.80	0.00
21.95	10.78	10.54	0.06	24.55	11.04	10.80	0.00
22.00	10.79	10.55	0.06	24.60	11.04	10.80	0.00
22.05	10.80	10.56	0.06	24.65	11.04	10.80	0.00
22.10	10.80	10.56	0.06	24.70	11.04	10.80	0.00
22.15	10.81	10.57	0.06	24.75	11.04	10.80	0.00
22.20	10.82	10.58	0.06	24.80	11.04	10.80	0.00
22.25	10.82	10.58	0.06	24.85	11.04	10.80	0.00
22.30	10.83	10.59	0.06	24.90	11.04	10.80	0.00
22.35	10.84	10.60	0.06	24.95	11.04	10.80	0.00
22.40	10.84	10.60	0.06	25.00	11.04	10.80	0.00
22.45	10.85	10.61	0.06	25.05	11.04	10.80	0.00
22.50	10.86	10.62	0.06	25.10	11.04	10.80	0.00
22.55	10.86	10.62	0.06	25.15	11.04	10.80	0.00
22.60	10.87	10.63	0.06	25.20	11.04	10.80	0.00
22.65	10.88	10.63	0.06	25.25	11.04	10.80	0.00
22.70	10.88	10.64	0.06	25.30	11.04	10.80	0.00
22.75	10.89	10.65	0.06	25.35	11.04	10.80	0.00
22.80	10.89	10.65	0.06	25.40	11.04	10.80	0.00
22.85	10.90	10.66	0.06	25.45	11.04	10.80	0.00
22.90	10.91	10.67	0.06	25.50	11.04	10.80	0.00
22.95	10.91	10.67	0.06	25.55	11.04	10.80	0.00
23.00	10.92	10.68	0.06	25.60	11.04	10.80	0.00
23.05	10.93	10.68	0.05	25.65	11.04	10.80	0.00
23.10	10.93	10.69	0.05	25.70	11.04	10.80	0.00
23.15	10.94	10.70	0.05	25.75	11.04	10.80	0.00
23.20	10.94	10.70	0.05	25.80	11.04	10.80	0.00
23.25	10.95	10.71	0.05	25.85	11.04	10.80	0.00
23.30	10.96	10.71	0.05	25.90	11.04	10.80	0.00
23.35	10.96	10.72	0.05	25.95	11.04	10.80	0.00

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	10.80	0.00	28.60	11.04	10.80	0.00
26.05	11.04	10.80	0.00	28.65	11.04	10.80	0.00
26.10	11.04	10.80	0.00	28.70	11.04	10.80	0.00
26.15	11.04	10.80	0.00	28.75	11.04	10.80	0.00
26.20	11.04	10.80	0.00	28.80	11.04	10.80	0.00
26.25	11.04	10.80	0.00	28.85	11.04	10.80	0.00
26.30	11.04	10.80	0.00	28.90	11.04	10.80	0.00
26.35	11.04	10.80	0.00	28.95	11.04	10.80	0.00
26.40	11.04	10.80	0.00	29.00	11.04	10.80	0.00
26.45	11.04	10.80	0.00	29.05	11.04	10.80	0.00
26.50	11.04	10.80	0.00	29.10	11.04	10.80	0.00
26.55	11.04	10.80	0.00	29.15	11.04	10.80	0.00
26.60	11.04	10.80	0.00	29.20	11.04	10.80	0.00
26.65	11.04	10.80	0.00	29.25	11.04	10.80	0.00
26.70	11.04	10.80	0.00	29.30	11.04	10.80	0.00
26.75	11.04	10.80	0.00	29.35	11.04	10.80	0.00
26.80	11.04	10.80	0.00	29.40	11.04	10.80	0.00
26.85	11.04	10.80	0.00	29.45	11.04	10.80	0.00
26.90	11.04	10.80	0.00	29.50	11.04	10.80	0.00
26.95	11.04	10.80	0.00	29.55	11.04	10.80	0.00
27.00	11.04	10.80	0.00	29.60	11.04	10.80	0.00
27.05	11.04	10.80	0.00	29.65	11.04	10.80	0.00
27.10	11.04	10.80	0.00	29.70	11.04	10.80	0.00
27.15	11.04	10.80	0.00	29.75	11.04	10.80	0.00
27.20	11.04	10.80	0.00	29.80	11.04	10.80	0.00
27.25	11.04	10.80	0.00	29.85	11.04	10.80	0.00
27.30	11.04	10.80	0.00	29.90	11.04	10.80	0.00
27.35	11.04	10.80	0.00	29.95	11.04	10.80	0.00
27.40	11.04	10.80	0.00	30.00	11.04	10.80	0.00
27.45	11.04	10.80	0.00	30.05	11.04	10.80	0.00
27.50	11.04	10.80	0.00	30.10	11.04	10.80	0.00
27.55	11.04	10.80	0.00	30.15	11.04	10.80	0.00
27.60	11.04	10.80	0.00	30.20	11.04	10.80	0.00
27.65	11.04	10.80	0.00	30.25	11.04	10.80	0.00
27.70	11.04	10.80	0.00	30.30	11.04	10.80	0.00
27.75	11.04	10.80	0.00	30.35	11.04	10.80	0.00
27.80	11.04	10.80	0.00	30.40	11.04	10.80	0.00
27.85	11.04	10.80	0.00	30.45	11.04	10.80	0.00
27.90	11.04	10.80	0.00	30.50	11.04	10.80	0.00
27.95	11.04	10.80	0.00	30.55	11.04	10.80	0.00
28.00	11.04	10.80	0.00	30.60	11.04	10.80	0.00
28.05	11.04	10.80	0.00	30.65	11.04	10.80	0.00
28.10	11.04	10.80	0.00	30.70	11.04	10.80	0.00
28.15	11.04	10.80	0.00	30.75	11.04	10.80	0.00
28.20	11.04	10.80	0.00	30.80	11.04	10.80	0.00
28.25	11.04	10.80	0.00	30.85	11.04	10.80	0.00
28.30	11.04	10.80	0.00	30.90	11.04	10.80	0.00
28.35	11.04	10.80	0.00	30.95	11.04	10.80	0.00
28.40	11.04	10.80	0.00	31.00	11.04	10.80	0.00
28.45	11.04	10.80	0.00	31.05	11.04	10.80	0.00
28.50	11.04	10.80	0.00	31.10	11.04	10.80	0.00
28.55	11.04	10.80	0.00	31.15	11.04	10.80	0.00

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	10.80	0.00	33.80	11.04	10.80	0.00
31.25	11.04	10.80	0.00	33.85	11.04	10.80	0.00
31.30	11.04	10.80	0.00	33.90	11.04	10.80	0.00
31.35	11.04	10.80	0.00	33.95	11.04	10.80	0.00
31.40	11.04	10.80	0.00	34.00	11.04	10.80	0.00
31.45	11.04	10.80	0.00	34.05	11.04	10.80	0.00
31.50	11.04	10.80	0.00	34.10	11.04	10.80	0.00
31.55	11.04	10.80	0.00	34.15	11.04	10.80	0.00
31.60	11.04	10.80	0.00	34.20	11.04	10.80	0.00
31.65	11.04	10.80	0.00	34.25	11.04	10.80	0.00
31.70	11.04	10.80	0.00	34.30	11.04	10.80	0.00
31.75	11.04	10.80	0.00	34.35	11.04	10.80	0.00
31.80	11.04	10.80	0.00	34.40	11.04	10.80	0.00
31.85	11.04	10.80	0.00	34.45	11.04	10.80	0.00
31.90	11.04	10.80	0.00	34.50	11.04	10.80	0.00
31.95	11.04	10.80	0.00	34.55	11.04	10.80	0.00
32.00	11.04	10.80	0.00	34.60	11.04	10.80	0.00
32.05	11.04	10.80	0.00	34.65	11.04	10.80	0.00
32.10	11.04	10.80	0.00	34.70	11.04	10.80	0.00
32.15	11.04	10.80	0.00	34.75	11.04	10.80	0.00
32.20	11.04	10.80	0.00	34.80	11.04	10.80	0.00
32.25	11.04	10.80	0.00	34.85	11.04	10.80	0.00
32.30	11.04	10.80	0.00	34.90	11.04	10.80	0.00
32.35	11.04	10.80	0.00	34.95	11.04	10.80	0.00
32.40	11.04	10.80	0.00	35.00	11.04	10.80	0.00
32.45	11.04	10.80	0.00	35.05	11.04	10.80	0.00
32.50	11.04	10.80	0.00	35.10	11.04	10.80	0.00
32.55	11.04	10.80	0.00	35.15	11.04	10.80	0.00
32.60	11.04	10.80	0.00	35.20	11.04	10.80	0.00
32.65	11.04	10.80	0.00	35.25	11.04	10.80	0.00
32.70	11.04	10.80	0.00	35.30	11.04	10.80	0.00
32.75	11.04	10.80	0.00	35.35	11.04	10.80	0.00
32.80	11.04	10.80	0.00	35.40	11.04	10.80	0.00
32.85	11.04	10.80	0.00	35.45	11.04	10.80	0.00
32.90	11.04	10.80	0.00	35.50	11.04	10.80	0.00
32.95	11.04	10.80	0.00	35.55	11.04	10.80	0.00
33.00	11.04	10.80	0.00	35.60	11.04	10.80	0.00
33.05	11.04	10.80	0.00	35.65	11.04	10.80	0.00
33.10	11.04	10.80	0.00	35.70	11.04	10.80	0.00
33.15	11.04	10.80	0.00	35.75	11.04	10.80	0.00
33.20	11.04	10.80	0.00	35.80	11.04	10.80	0.00
33.25	11.04	10.80	0.00	35.85	11.04	10.80	0.00
33.30	11.04	10.80	0.00	35.90	11.04	10.80	0.00
33.35	11.04	10.80	0.00	35.95	11.04	10.80	0.00
33.40	11.04	10.80	0.00	36.00	11.04	10.80	0.00
33.45	11.04	10.80	0.00	36.05	11.04	10.80	0.00
33.50	11.04	10.80	0.00	36.10	11.04	10.80	0.00
33.55	11.04	10.80	0.00	36.15	11.04	10.80	0.00
33.60	11.04	10.80	0.00	36.20	11.04	10.80	0.00
33.65	11.04	10.80	0.00	36.25	11.04	10.80	0.00
33.70	11.04	10.80	0.00	36.30	11.04	10.80	0.00
33.75	11.04	10.80	0.00	36.35	11.04	10.80	0.00

Hydrograph for Subcatchment 58I: PDA-58 (impervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	10.80	0.00
36.45	11.04	10.80	0.00
36.50	11.04	10.80	0.00
36.55	11.04	10.80	0.00
36.60	11.04	10.80	0.00
36.65	11.04	10.80	0.00
36.70	11.04	10.80	0.00
36.75	11.04	10.80	0.00
36.80	11.04	10.80	0.00
36.85	11.04	10.80	0.00
36.90	11.04	10.80	0.00
36.95	11.04	10.80	0.00
37.00	11.04	10.80	0.00
37.05	11.04	10.80	0.00
37.10	11.04	10.80	0.00
37.15	11.04	10.80	0.00
37.20	11.04	10.80	0.00
37.25	11.04	10.80	0.00
37.30	11.04	10.80	0.00
37.35	11.04	10.80	0.00
37.40	11.04	10.80	0.00
37.45	11.04	10.80	0.00
37.50	11.04	10.80	0.00
37.55	11.04	10.80	0.00
37.60	11.04	10.80	0.00
37.65	11.04	10.80	0.00
37.70	11.04	10.80	0.00
37.75	11.04	10.80	0.00
37.80	11.04	10.80	0.00
37.85	11.04	10.80	0.00
37.90	11.04	10.80	0.00
37.95	11.04	10.80	0.00
38.00	11.04	10.80	0.00
38.05	11.04	10.80	0.00
38.10	11.04	10.80	0.00
38.15	11.04	10.80	0.00
38.20	11.04	10.80	0.00
38.25	11.04	10.80	0.00
38.30	11.04	10.80	0.00
38.35	11.04	10.80	0.00
38.40	11.04	10.80	0.00
38.45	11.04	10.80	0.00
38.50	11.04	10.80	0.00
38.55	11.04	10.80	0.00
38.60	11.04	10.80	0.00
38.65	11.04	10.80	0.00
38.70	11.04	10.80	0.00
38.75	11.04	10.80	0.00
38.80	11.04	10.80	0.00
38.85	11.04	10.80	0.00
38.90	11.04	10.80	0.00
38.95	11.04	10.80	0.00
39.00	11.04	10.80	0.00
39.05	11.04	10.80	0.00
39.10	11.04	10.80	0.00
39.15	11.04	10.80	0.00
39.20	11.04	10.80	0.00
39.25	11.04	10.80	0.00
39.30	11.04	10.80	0.00
39.35	11.04	10.80	0.00
39.40	11.04	10.80	0.00
39.45	11.04	10.80	0.00
39.50	11.04	10.80	0.00
39.55	11.04	10.80	0.00
39.60	11.04	10.80	0.00
39.65	11.04	10.80	0.00
39.70	11.04	10.80	0.00
39.75	11.04	10.80	0.00
39.80	11.04	10.80	0.00
39.85	11.04	10.80	0.00
39.90	11.04	10.80	0.00
39.95	11.04	10.80	0.00
40.00	11.04	10.80	0.00

Summary for Subcatchment 58P: PDA-58 (pervious)

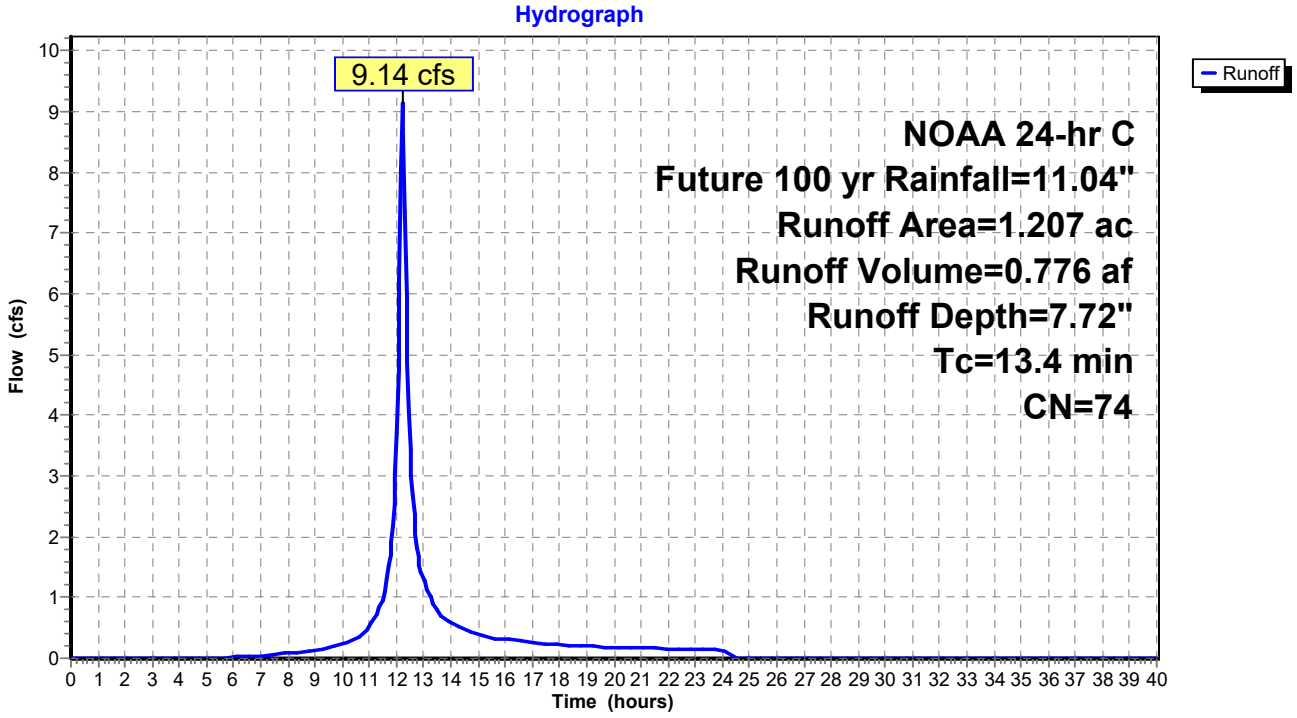
Runoff = 9.14 cfs @ 12.21 hrs, Volume= 0.776 af, Depth= 7.72"
Routed to Pond B-58 : Basin #58

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

Area (ac)	CN	Description
1.207	74	>75% Grass cover, Good, HSG C
1.207		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
13.4					**Direct Entry,**

Subcatchment 58P: PDA-58 (pervious)



Hydrograph for Subcatchment 58P: PDA-58 (pervious)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.34	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.35	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.35	0.00	0.00
0.20	0.03	0.00	0.00	2.80	0.36	0.00	0.00
0.25	0.03	0.00	0.00	2.85	0.37	0.00	0.00
0.30	0.04	0.00	0.00	2.90	0.38	0.00	0.00
0.35	0.04	0.00	0.00	2.95	0.38	0.00	0.00
0.40	0.05	0.00	0.00	3.00	0.39	0.00	0.00
0.45	0.05	0.00	0.00	3.05	0.40	0.00	0.00
0.50	0.06	0.00	0.00	3.10	0.40	0.00	0.00
0.55	0.07	0.00	0.00	3.15	0.41	0.00	0.00
0.60	0.07	0.00	0.00	3.20	0.42	0.00	0.00
0.65	0.08	0.00	0.00	3.25	0.43	0.00	0.00
0.70	0.08	0.00	0.00	3.30	0.43	0.00	0.00
0.75	0.09	0.00	0.00	3.35	0.44	0.00	0.00
0.80	0.10	0.00	0.00	3.40	0.45	0.00	0.00
0.85	0.10	0.00	0.00	3.45	0.46	0.00	0.00
0.90	0.11	0.00	0.00	3.50	0.46	0.00	0.00
0.95	0.11	0.00	0.00	3.55	0.47	0.00	0.00
1.00	0.12	0.00	0.00	3.60	0.48	0.00	0.00
1.05	0.13	0.00	0.00	3.65	0.49	0.00	0.00
1.10	0.13	0.00	0.00	3.70	0.49	0.00	0.00
1.15	0.14	0.00	0.00	3.75	0.50	0.00	0.00
1.20	0.15	0.00	0.00	3.80	0.51	0.00	0.00
1.25	0.15	0.00	0.00	3.85	0.52	0.00	0.00
1.30	0.16	0.00	0.00	3.90	0.52	0.00	0.00
1.35	0.16	0.00	0.00	3.95	0.53	0.00	0.00
1.40	0.17	0.00	0.00	4.00	0.54	0.00	0.00
1.45	0.18	0.00	0.00	4.05	0.55	0.00	0.00
1.50	0.18	0.00	0.00	4.10	0.56	0.00	0.00
1.55	0.19	0.00	0.00	4.15	0.56	0.00	0.00
1.60	0.20	0.00	0.00	4.20	0.57	0.00	0.00
1.65	0.20	0.00	0.00	4.25	0.58	0.00	0.00
1.70	0.21	0.00	0.00	4.30	0.59	0.00	0.00
1.75	0.22	0.00	0.00	4.35	0.60	0.00	0.00
1.80	0.22	0.00	0.00	4.40	0.60	0.00	0.00
1.85	0.23	0.00	0.00	4.45	0.61	0.00	0.00
1.90	0.24	0.00	0.00	4.50	0.62	0.00	0.00
1.95	0.24	0.00	0.00	4.55	0.63	0.00	0.00
2.00	0.25	0.00	0.00	4.60	0.64	0.00	0.00
2.05	0.26	0.00	0.00	4.65	0.64	0.00	0.00
2.10	0.26	0.00	0.00	4.70	0.65	0.00	0.00
2.15	0.27	0.00	0.00	4.75	0.66	0.00	0.00
2.20	0.28	0.00	0.00	4.80	0.67	0.00	0.00
2.25	0.28	0.00	0.00	4.85	0.68	0.00	0.00
2.30	0.29	0.00	0.00	4.90	0.69	0.00	0.00
2.35	0.30	0.00	0.00	4.95	0.69	0.00	0.00
2.40	0.30	0.00	0.00	5.00	0.70	0.00	0.00
2.45	0.31	0.00	0.00	5.05	0.71	0.00	0.00
2.50	0.32	0.00	0.00	5.10	0.72	0.00	0.00
2.55	0.33	0.00	0.00	5.15	0.73	0.00	0.00

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.00	0.00	7.80	1.27	0.08	0.07
5.25	0.74	0.00	0.00	7.85	1.28	0.08	0.07
5.30	0.75	0.00	0.00	7.90	1.30	0.09	0.08
5.35	0.76	0.00	0.00	7.95	1.31	0.09	0.08
5.40	0.77	0.00	0.00	8.00	1.32	0.09	0.08
5.45	0.78	0.00	0.00	8.05	1.34	0.10	0.08
5.50	0.79	0.00	0.01	8.10	1.35	0.10	0.09
5.55	0.80	0.00	0.01	8.15	1.36	0.10	0.09
5.60	0.80	0.00	0.01	8.20	1.38	0.11	0.09
5.65	0.81	0.00	0.01	8.25	1.39	0.11	0.09
5.70	0.82	0.00	0.01	8.30	1.40	0.12	0.09
5.75	0.83	0.00	0.01	8.35	1.42	0.12	0.10
5.80	0.84	0.01	0.01	8.40	1.43	0.13	0.10
5.85	0.85	0.01	0.01	8.45	1.45	0.13	0.10
5.90	0.86	0.01	0.01	8.50	1.46	0.13	0.10
5.95	0.87	0.01	0.01	8.55	1.48	0.14	0.11
6.00	0.87	0.01	0.02	8.60	1.49	0.14	0.11
6.05	0.88	0.01	0.02	8.65	1.51	0.15	0.11
6.10	0.89	0.01	0.02	8.70	1.52	0.15	0.11
6.15	0.90	0.01	0.02	8.75	1.54	0.16	0.12
6.20	0.91	0.01	0.02	8.80	1.55	0.16	0.12
6.25	0.92	0.01	0.02	8.85	1.57	0.17	0.12
6.30	0.93	0.01	0.02	8.90	1.58	0.18	0.12
6.35	0.94	0.02	0.02	8.95	1.60	0.18	0.13
6.40	0.95	0.02	0.02	9.00	1.61	0.19	0.13
6.45	0.96	0.02	0.03	9.05	1.63	0.19	0.13
6.50	0.97	0.02	0.03	9.10	1.64	0.20	0.13
6.55	0.98	0.02	0.03	9.15	1.66	0.21	0.14
6.60	0.99	0.02	0.03	9.20	1.68	0.21	0.14
6.65	1.00	0.02	0.03	9.25	1.70	0.22	0.15
6.70	1.01	0.02	0.03	9.30	1.72	0.23	0.15
6.75	1.02	0.03	0.03	9.35	1.73	0.23	0.16
6.80	1.03	0.03	0.04	9.40	1.75	0.24	0.17
6.85	1.04	0.03	0.04	9.45	1.77	0.25	0.17
6.90	1.05	0.03	0.04	9.50	1.79	0.26	0.18
6.95	1.07	0.03	0.04	9.55	1.81	0.27	0.18
7.00	1.08	0.04	0.04	9.60	1.83	0.28	0.19
7.05	1.09	0.04	0.04	9.65	1.85	0.28	0.20
7.10	1.10	0.04	0.05	9.70	1.88	0.29	0.20
7.15	1.11	0.04	0.05	9.75	1.90	0.30	0.21
7.20	1.12	0.04	0.05	9.80	1.92	0.31	0.22
7.25	1.13	0.05	0.05	9.85	1.94	0.32	0.22
7.30	1.15	0.05	0.05	9.90	1.97	0.33	0.23
7.35	1.16	0.05	0.06	9.95	1.99	0.34	0.24
7.40	1.17	0.05	0.06	10.00	2.01	0.36	0.24
7.45	1.18	0.06	0.06	10.05	2.04	0.37	0.25
7.50	1.19	0.06	0.06	10.10	2.06	0.38	0.26
7.55	1.21	0.06	0.06	10.15	2.09	0.39	0.27
7.60	1.22	0.07	0.06	10.20	2.11	0.40	0.28
7.65	1.23	0.07	0.07	10.25	2.14	0.42	0.28
7.70	1.24	0.07	0.07	10.30	2.17	0.43	0.29
7.75	1.26	0.08	0.07	10.35	2.19	0.44	0.30

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	0.46	0.31	13.00	8.39	5.28	1.30
10.45	2.25	0.47	0.32	13.05	8.43	5.32	1.23
10.50	2.28	0.49	0.32	13.10	8.48	5.36	1.16
10.55	2.31	0.50	0.33	13.15	8.52	5.39	1.10
10.60	2.34	0.52	0.34	13.20	8.56	5.43	1.04
10.65	2.37	0.54	0.36	13.25	8.60	5.46	0.99
10.70	2.41	0.56	0.38	13.30	8.63	5.50	0.95
10.75	2.44	0.58	0.40	13.35	8.67	5.53	0.90
10.80	2.48	0.60	0.42	13.40	8.70	5.56	0.87
10.85	2.52	0.62	0.45	13.45	8.73	5.59	0.83
10.90	2.56	0.64	0.47	13.50	8.76	5.61	0.80
10.95	2.61	0.67	0.50	13.55	8.79	5.64	0.76
11.00	2.65	0.69	0.53	13.60	8.82	5.67	0.73
11.05	2.70	0.72	0.56	13.65	8.85	5.69	0.69
11.10	2.75	0.75	0.59	13.70	8.87	5.71	0.66
11.15	2.80	0.79	0.63	13.75	8.90	5.74	0.64
11.20	2.86	0.82	0.67	13.80	8.93	5.76	0.62
11.25	2.92	0.86	0.72	13.85	8.95	5.79	0.61
11.30	2.98	0.90	0.77	13.90	8.98	5.81	0.59
11.35	3.05	0.94	0.82	13.95	9.00	5.83	0.58
11.40	3.12	0.98	0.87	14.00	9.03	5.85	0.57
11.45	3.19	1.03	0.93	14.05	9.05	5.88	0.57
11.50	3.26	1.08	0.99	14.10	9.07	5.90	0.56
11.55	3.37	1.15	1.05	14.15	9.10	5.92	0.55
11.60	3.49	1.23	1.15	14.20	9.12	5.94	0.54
11.65	3.60	1.31	1.32	14.25	9.14	5.96	0.53
11.70	3.72	1.39	1.52	14.30	9.16	5.98	0.52
11.75	3.88	1.51	1.70	14.35	9.19	6.00	0.51
11.80	4.04	1.63	1.90	14.40	9.21	6.02	0.50
11.85	4.27	1.79	2.17	14.45	9.23	6.04	0.49
11.90	4.49	1.96	2.53	14.50	9.25	6.06	0.48
11.95	4.88	2.27	3.01	14.55	9.27	6.07	0.47
12.00	5.26	2.57	3.72	14.60	9.29	6.09	0.47
12.05	5.91	3.11	4.76	14.65	9.31	6.11	0.46
12.10	6.55	3.65	6.22	14.70	9.32	6.13	0.45
12.15	6.77	3.85	8.02	14.75	9.34	6.14	0.44
12.20	7.00	4.04	**9.10**	14.80	9.36	6.16	0.43
12.25	7.16	4.18	8.71	14.85	9.38	6.17	0.42
12.30	7.32	4.32	7.37	14.90	9.40	6.19	0.41
12.35	7.44	4.43	5.95	14.95	9.41	6.21	0.40
12.40	7.55	4.53	4.87	15.00	9.43	6.22	0.39
12.45	7.67	4.63	4.04	15.05	9.44	6.23	0.38
12.50	7.78	4.73	3.43	15.10	9.46	6.25	0.37
12.55	7.85	4.79	3.01	15.15	9.47	6.26	0.37
12.60	7.92	4.86	2.68	15.20	9.49	6.28	0.36
12.65	7.99	4.92	2.36	15.25	9.50	6.29	0.35
12.70	8.06	4.98	2.06	15.30	9.52	6.30	0.35
12.75	8.12	5.03	1.82	15.35	9.53	6.32	0.34
12.80	8.18	5.09	1.66	15.40	9.55	6.33	0.34
12.85	8.24	5.14	1.54	15.45	9.56	6.34	0.34
12.90	8.29	5.19	1.45	15.50	9.58	6.36	0.33
12.95	8.34	5.23	1.37	15.55	9.59	6.37	0.33

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	6.38	0.33	18.20	10.20	6.93	0.20
15.65	9.62	6.40	0.33	18.25	10.21	6.94	0.20
15.70	9.64	6.41	0.32	18.30	10.22	6.95	0.20
15.75	9.65	6.42	0.32	18.35	10.23	6.96	0.20
15.80	9.66	6.44	0.32	18.40	10.24	6.97	0.20
15.85	9.68	6.45	0.32	18.45	10.24	6.97	0.20
15.90	9.69	6.46	0.31	18.50	10.25	6.98	0.20
15.95	9.70	6.47	0.31	18.55	10.26	6.99	0.20
16.00	9.72	6.49	0.31	18.60	10.27	7.00	0.20
16.05	9.73	6.50	0.31	18.65	10.28	7.01	0.20
16.10	9.74	6.51	0.31	18.70	10.29	7.01	0.20
16.15	9.76	6.52	0.30	18.75	10.30	7.02	0.19
16.20	9.77	6.54	0.30	18.80	10.30	7.03	0.19
16.25	9.78	6.55	0.30	18.85	10.31	7.04	0.19
16.30	9.80	6.56	0.30	18.90	10.32	7.04	0.19
16.35	9.81	6.57	0.29	18.95	10.33	7.05	0.19
16.40	9.82	6.58	0.29	19.00	10.34	7.06	0.19
16.45	9.83	6.59	0.29	19.05	10.35	7.07	0.19
16.50	9.85	6.60	0.29	19.10	10.35	7.08	0.19
16.55	9.86	6.62	0.28	19.15	10.36	7.08	0.19
16.60	9.87	6.63	0.28	19.20	10.37	7.09	0.19
16.65	9.88	6.64	0.28	19.25	10.38	7.10	0.19
16.70	9.89	6.65	0.28	19.30	10.39	7.11	0.19
16.75	9.91	6.66	0.27	19.35	10.40	7.11	0.19
16.80	9.92	6.67	0.27	19.40	10.40	7.12	0.19
16.85	9.93	6.68	0.27	19.45	10.41	7.13	0.19
16.90	9.94	6.69	0.27	19.50	10.42	7.14	0.19
16.95	9.95	6.70	0.26	19.55	10.43	7.14	0.18
17.00	9.96	6.71	0.26	19.60	10.44	7.15	0.18
17.05	9.97	6.72	0.26	19.65	10.44	7.16	0.18
17.10	9.99	6.73	0.26	19.70	10.45	7.17	0.18
17.15	10.00	6.74	0.25	19.75	10.46	7.17	0.18
17.20	10.01	6.75	0.25	19.80	10.47	7.18	0.18
17.25	10.02	6.76	0.25	19.85	10.48	7.19	0.18
17.30	10.03	6.77	0.25	19.90	10.48	7.20	0.18
17.35	10.04	6.78	0.24	19.95	10.49	7.20	0.18
17.40	10.05	6.79	0.24	20.00	10.50	7.21	0.18
17.45	10.06	6.80	0.24	20.05	10.51	7.22	0.18
17.50	10.07	6.81	0.24	20.10	10.52	7.23	0.18
17.55	10.08	6.82	0.24	20.15	10.52	7.23	0.18
17.60	10.09	6.83	0.23	20.20	10.53	7.24	0.18
17.65	10.10	6.84	0.23	20.25	10.54	7.25	0.18
17.70	10.11	6.85	0.23	20.30	10.55	7.25	0.18
17.75	10.12	6.86	0.23	20.35	10.55	7.26	0.18
17.80	10.13	6.87	0.22	20.40	10.56	7.27	0.17
17.85	10.14	6.87	0.22	20.45	10.57	7.28	0.17
17.90	10.15	6.88	0.22	20.50	10.58	7.28	0.17
17.95	10.16	6.89	0.22	20.55	10.58	7.29	0.17
18.00	10.17	6.90	0.21	20.60	10.59	7.30	0.17
18.05	10.17	6.91	0.21	20.65	10.60	7.30	0.17
18.10	10.18	6.92	0.21	20.70	10.61	7.31	0.17
18.15	10.19	6.92	0.21	20.75	10.61	7.32	0.17

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	7.32	0.17	23.40	10.97	7.65	0.14
20.85	10.63	7.33	0.17	23.45	10.97	7.65	0.14
20.90	10.64	7.34	0.17	23.50	10.98	7.66	0.14
20.95	10.64	7.34	0.17	23.55	10.99	7.66	0.14
21.00	10.65	7.35	0.17	23.60	10.99	7.67	0.14
21.05	10.66	7.36	0.17	23.65	11.00	7.67	0.13
21.10	10.66	7.36	0.17	23.70	11.00	7.68	0.13
21.15	10.67	7.37	0.17	23.75	11.01	7.69	0.13
21.20	10.68	7.38	0.16	23.80	11.01	7.69	0.13
21.25	10.69	7.38	0.16	23.85	11.02	7.70	0.13
21.30	10.69	7.39	0.16	23.90	11.03	7.70	0.13
21.35	10.70	7.40	0.16	23.95	11.03	7.71	0.13
21.40	10.71	7.40	0.16	24.00	**11.04**	**7.72**	0.13
21.45	10.71	7.41	0.16	24.05	11.04	7.72	0.14
21.50	10.72	7.42	0.16	24.10	11.04	7.72	0.13
21.55	10.73	7.42	0.16	24.15	11.04	7.72	0.10
21.60	10.74	7.43	0.16	24.20	11.04	7.72	0.07
21.65	10.74	7.44	0.16	24.25	11.04	7.72	0.04
21.70	10.75	7.44	0.16	24.30	11.04	7.72	0.02
21.75	10.76	7.45	0.16	24.35	11.04	7.72	0.01
21.80	10.76	7.46	0.16	24.40	11.04	7.72	0.01
21.85	10.77	7.46	0.16	24.45	11.04	7.72	0.00
21.90	10.78	7.47	0.16	24.50	11.04	7.72	0.00
21.95	10.78	7.48	0.16	24.55	11.04	7.72	0.00
22.00	10.79	7.48	0.16	24.60	11.04	7.72	0.00
22.05	10.80	7.49	0.15	24.65	11.04	7.72	0.00
22.10	10.80	7.49	0.15	24.70	11.04	7.72	0.00
22.15	10.81	7.50	0.15	24.75	11.04	7.72	0.00
22.20	10.82	7.51	0.15	24.80	11.04	7.72	0.00
22.25	10.82	7.51	0.15	24.85	11.04	7.72	0.00
22.30	10.83	7.52	0.15	24.90	11.04	7.72	0.00
22.35	10.84	7.53	0.15	24.95	11.04	7.72	0.00
22.40	10.84	7.53	0.15	25.00	11.04	7.72	0.00
22.45	10.85	7.54	0.15	25.05	11.04	7.72	0.00
22.50	10.86	7.54	0.15	25.10	11.04	7.72	0.00
22.55	10.86	7.55	0.15	25.15	11.04	7.72	0.00
22.60	10.87	7.56	0.15	25.20	11.04	7.72	0.00
22.65	10.88	7.56	0.15	25.25	11.04	7.72	0.00
22.70	10.88	7.57	0.15	25.30	11.04	7.72	0.00
22.75	10.89	7.57	0.15	25.35	11.04	7.72	0.00
22.80	10.89	7.58	0.15	25.40	11.04	7.72	0.00
22.85	10.90	7.58	0.14	25.45	11.04	7.72	0.00
22.90	10.91	7.59	0.14	25.50	11.04	7.72	0.00
22.95	10.91	7.60	0.14	25.55	11.04	7.72	0.00
23.00	10.92	7.60	0.14	25.60	11.04	7.72	0.00
23.05	10.93	7.61	0.14	25.65	11.04	7.72	0.00
23.10	10.93	7.61	0.14	25.70	11.04	7.72	0.00
23.15	10.94	7.62	0.14	25.75	11.04	7.72	0.00
23.20	10.94	7.63	0.14	25.80	11.04	7.72	0.00
23.25	10.95	7.63	0.14	25.85	11.04	7.72	0.00
23.30	10.96	7.64	0.14	25.90	11.04	7.72	0.00
23.35	10.96	7.64	0.14	25.95	11.04	7.72	0.00

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	7.72	0.00	28.60	11.04	7.72	0.00
26.05	11.04	7.72	0.00	28.65	11.04	7.72	0.00
26.10	11.04	7.72	0.00	28.70	11.04	7.72	0.00
26.15	11.04	7.72	0.00	28.75	11.04	7.72	0.00
26.20	11.04	7.72	0.00	28.80	11.04	7.72	0.00
26.25	11.04	7.72	0.00	28.85	11.04	7.72	0.00
26.30	11.04	7.72	0.00	28.90	11.04	7.72	0.00
26.35	11.04	7.72	0.00	28.95	11.04	7.72	0.00
26.40	11.04	7.72	0.00	29.00	11.04	7.72	0.00
26.45	11.04	7.72	0.00	29.05	11.04	7.72	0.00
26.50	11.04	7.72	0.00	29.10	11.04	7.72	0.00
26.55	11.04	7.72	0.00	29.15	11.04	7.72	0.00
26.60	11.04	7.72	0.00	29.20	11.04	7.72	0.00
26.65	11.04	7.72	0.00	29.25	11.04	7.72	0.00
26.70	11.04	7.72	0.00	29.30	11.04	7.72	0.00
26.75	11.04	7.72	0.00	29.35	11.04	7.72	0.00
26.80	11.04	7.72	0.00	29.40	11.04	7.72	0.00
26.85	11.04	7.72	0.00	29.45	11.04	7.72	0.00
26.90	11.04	7.72	0.00	29.50	11.04	7.72	0.00
26.95	11.04	7.72	0.00	29.55	11.04	7.72	0.00
27.00	11.04	7.72	0.00	29.60	11.04	7.72	0.00
27.05	11.04	7.72	0.00	29.65	11.04	7.72	0.00
27.10	11.04	7.72	0.00	29.70	11.04	7.72	0.00
27.15	11.04	7.72	0.00	29.75	11.04	7.72	0.00
27.20	11.04	7.72	0.00	29.80	11.04	7.72	0.00
27.25	11.04	7.72	0.00	29.85	11.04	7.72	0.00
27.30	11.04	7.72	0.00	29.90	11.04	7.72	0.00
27.35	11.04	7.72	0.00	29.95	11.04	7.72	0.00
27.40	11.04	7.72	0.00	30.00	11.04	7.72	0.00
27.45	11.04	7.72	0.00	30.05	11.04	7.72	0.00
27.50	11.04	7.72	0.00	30.10	11.04	7.72	0.00
27.55	11.04	7.72	0.00	30.15	11.04	7.72	0.00
27.60	11.04	7.72	0.00	30.20	11.04	7.72	0.00
27.65	11.04	7.72	0.00	30.25	11.04	7.72	0.00
27.70	11.04	7.72	0.00	30.30	11.04	7.72	0.00
27.75	11.04	7.72	0.00	30.35	11.04	7.72	0.00
27.80	11.04	7.72	0.00	30.40	11.04	7.72	0.00
27.85	11.04	7.72	0.00	30.45	11.04	7.72	0.00
27.90	11.04	7.72	0.00	30.50	11.04	7.72	0.00
27.95	11.04	7.72	0.00	30.55	11.04	7.72	0.00
28.00	11.04	7.72	0.00	30.60	11.04	7.72	0.00
28.05	11.04	7.72	0.00	30.65	11.04	7.72	0.00
28.10	11.04	7.72	0.00	30.70	11.04	7.72	0.00
28.15	11.04	7.72	0.00	30.75	11.04	7.72	0.00
28.20	11.04	7.72	0.00	30.80	11.04	7.72	0.00
28.25	11.04	7.72	0.00	30.85	11.04	7.72	0.00
28.30	11.04	7.72	0.00	30.90	11.04	7.72	0.00
28.35	11.04	7.72	0.00	30.95	11.04	7.72	0.00
28.40	11.04	7.72	0.00	31.00	11.04	7.72	0.00
28.45	11.04	7.72	0.00	31.05	11.04	7.72	0.00
28.50	11.04	7.72	0.00	31.10	11.04	7.72	0.00
28.55	11.04	7.72	0.00	31.15	11.04	7.72	0.00

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	7.72	0.00	33.80	11.04	7.72	0.00
31.25	11.04	7.72	0.00	33.85	11.04	7.72	0.00
31.30	11.04	7.72	0.00	33.90	11.04	7.72	0.00
31.35	11.04	7.72	0.00	33.95	11.04	7.72	0.00
31.40	11.04	7.72	0.00	34.00	11.04	7.72	0.00
31.45	11.04	7.72	0.00	34.05	11.04	7.72	0.00
31.50	11.04	7.72	0.00	34.10	11.04	7.72	0.00
31.55	11.04	7.72	0.00	34.15	11.04	7.72	0.00
31.60	11.04	7.72	0.00	34.20	11.04	7.72	0.00
31.65	11.04	7.72	0.00	34.25	11.04	7.72	0.00
31.70	11.04	7.72	0.00	34.30	11.04	7.72	0.00
31.75	11.04	7.72	0.00	34.35	11.04	7.72	0.00
31.80	11.04	7.72	0.00	34.40	11.04	7.72	0.00
31.85	11.04	7.72	0.00	34.45	11.04	7.72	0.00
31.90	11.04	7.72	0.00	34.50	11.04	7.72	0.00
31.95	11.04	7.72	0.00	34.55	11.04	7.72	0.00
32.00	11.04	7.72	0.00	34.60	11.04	7.72	0.00
32.05	11.04	7.72	0.00	34.65	11.04	7.72	0.00
32.10	11.04	7.72	0.00	34.70	11.04	7.72	0.00
32.15	11.04	7.72	0.00	34.75	11.04	7.72	0.00
32.20	11.04	7.72	0.00	34.80	11.04	7.72	0.00
32.25	11.04	7.72	0.00	34.85	11.04	7.72	0.00
32.30	11.04	7.72	0.00	34.90	11.04	7.72	0.00
32.35	11.04	7.72	0.00	34.95	11.04	7.72	0.00
32.40	11.04	7.72	0.00	35.00	11.04	7.72	0.00
32.45	11.04	7.72	0.00	35.05	11.04	7.72	0.00
32.50	11.04	7.72	0.00	35.10	11.04	7.72	0.00
32.55	11.04	7.72	0.00	35.15	11.04	7.72	0.00
32.60	11.04	7.72	0.00	35.20	11.04	7.72	0.00
32.65	11.04	7.72	0.00	35.25	11.04	7.72	0.00
32.70	11.04	7.72	0.00	35.30	11.04	7.72	0.00
32.75	11.04	7.72	0.00	35.35	11.04	7.72	0.00
32.80	11.04	7.72	0.00	35.40	11.04	7.72	0.00
32.85	11.04	7.72	0.00	35.45	11.04	7.72	0.00
32.90	11.04	7.72	0.00	35.50	11.04	7.72	0.00
32.95	11.04	7.72	0.00	35.55	11.04	7.72	0.00
33.00	11.04	7.72	0.00	35.60	11.04	7.72	0.00
33.05	11.04	7.72	0.00	35.65	11.04	7.72	0.00
33.10	11.04	7.72	0.00	35.70	11.04	7.72	0.00
33.15	11.04	7.72	0.00	35.75	11.04	7.72	0.00
33.20	11.04	7.72	0.00	35.80	11.04	7.72	0.00
33.25	11.04	7.72	0.00	35.85	11.04	7.72	0.00
33.30	11.04	7.72	0.00	35.90	11.04	7.72	0.00
33.35	11.04	7.72	0.00	35.95	11.04	7.72	0.00
33.40	11.04	7.72	0.00	36.00	11.04	7.72	0.00
33.45	11.04	7.72	0.00	36.05	11.04	7.72	0.00
33.50	11.04	7.72	0.00	36.10	11.04	7.72	0.00
33.55	11.04	7.72	0.00	36.15	11.04	7.72	0.00
33.60	11.04	7.72	0.00	36.20	11.04	7.72	0.00
33.65	11.04	7.72	0.00	36.25	11.04	7.72	0.00
33.70	11.04	7.72	0.00	36.30	11.04	7.72	0.00
33.75	11.04	7.72	0.00	36.35	11.04	7.72	0.00

Hydrograph for Subcatchment 58P: PDA-58 (pervious) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	7.72	0.00
36.45	11.04	7.72	0.00
36.50	11.04	7.72	0.00
36.55	11.04	7.72	0.00
36.60	11.04	7.72	0.00
36.65	11.04	7.72	0.00
36.70	11.04	7.72	0.00
36.75	11.04	7.72	0.00
36.80	11.04	7.72	0.00
36.85	11.04	7.72	0.00
36.90	11.04	7.72	0.00
36.95	11.04	7.72	0.00
37.00	11.04	7.72	0.00
37.05	11.04	7.72	0.00
37.10	11.04	7.72	0.00
37.15	11.04	7.72	0.00
37.20	11.04	7.72	0.00
37.25	11.04	7.72	0.00
37.30	11.04	7.72	0.00
37.35	11.04	7.72	0.00
37.40	11.04	7.72	0.00
37.45	11.04	7.72	0.00
37.50	11.04	7.72	0.00
37.55	11.04	7.72	0.00
37.60	11.04	7.72	0.00
37.65	11.04	7.72	0.00
37.70	11.04	7.72	0.00
37.75	11.04	7.72	0.00
37.80	11.04	7.72	0.00
37.85	11.04	7.72	0.00
37.90	11.04	7.72	0.00
37.95	11.04	7.72	0.00
38.00	11.04	7.72	0.00
38.05	11.04	7.72	0.00
38.10	11.04	7.72	0.00
38.15	11.04	7.72	0.00
38.20	11.04	7.72	0.00
38.25	11.04	7.72	0.00
38.30	11.04	7.72	0.00
38.35	11.04	7.72	0.00
38.40	11.04	7.72	0.00
38.45	11.04	7.72	0.00
38.50	11.04	7.72	0.00
38.55	11.04	7.72	0.00
38.60	11.04	7.72	0.00
38.65	11.04	7.72	0.00
38.70	11.04	7.72	0.00
38.75	11.04	7.72	0.00
38.80	11.04	7.72	0.00
38.85	11.04	7.72	0.00
38.90	11.04	7.72	0.00
38.95	11.04	7.72	0.00
39.00	11.04	7.72	0.00
39.05	11.04	7.72	0.00
39.10	11.04	7.72	0.00
39.15	11.04	7.72	0.00
39.20	11.04	7.72	0.00
39.25	11.04	7.72	0.00
39.30	11.04	7.72	0.00
39.35	11.04	7.72	0.00
39.40	11.04	7.72	0.00
39.45	11.04	7.72	0.00
39.50	11.04	7.72	0.00
39.55	11.04	7.72	0.00
39.60	11.04	7.72	0.00
39.65	11.04	7.72	0.00
39.70	11.04	7.72	0.00
39.75	11.04	7.72	0.00
39.80	11.04	7.72	0.00
39.85	11.04	7.72	0.00
39.90	11.04	7.72	0.00
39.95	11.04	7.72	0.00
40.00	11.04	7.72	0.00

Summary for Subcatchment UPDA-6: PDA-6 (undetained)

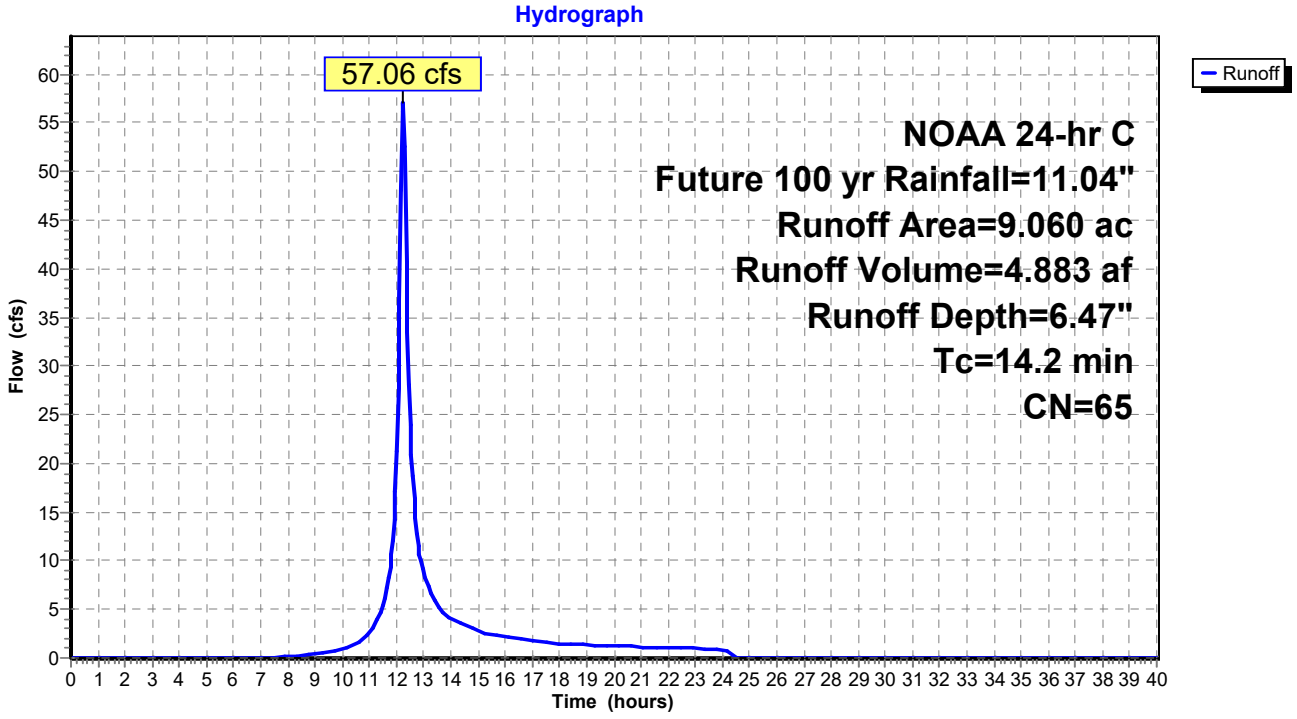
Runoff = 57.06 cfs @ 12.22 hrs, Volume= 4.883 af, Depth= 6.47"
Routed to Link PDA-6ON : Proposed Onsite Drainage Area #6

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
NOAA 24-hr C Future 100 yr Rainfall=11.04"

Area (ac)	CN	Description
2.520	74	>75% Grass cover, Good, HSG C
3.924	55	Woods, Good, HSG B
2.289	70	Woods, Good, HSG C
0.327	77	Woods, Good, HSG D
9.060	65	Weighted Average
9.060		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.2					**Direct Entry,**

Subcatchment UPDA-6: PDA-6 (undetained)



Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00	2.60	0.33	0.00	0.00
0.05	0.01	0.00	0.00	2.65	0.34	0.00	0.00
0.10	0.01	0.00	0.00	2.70	0.35	0.00	0.00
0.15	0.02	0.00	0.00	2.75	0.35	0.00	0.00
0.20	0.03	0.00	0.00	2.80	0.36	0.00	0.00
0.25	0.03	0.00	0.00	2.85	0.37	0.00	0.00
0.30	0.04	0.00	0.00	2.90	0.38	0.00	0.00
0.35	0.04	0.00	0.00	2.95	0.38	0.00	0.00
0.40	0.05	0.00	0.00	3.00	0.39	0.00	0.00
0.45	0.05	0.00	0.00	3.05	0.40	0.00	0.00
0.50	0.06	0.00	0.00	3.10	0.40	0.00	0.00
0.55	0.07	0.00	0.00	3.15	0.41	0.00	0.00
0.60	0.07	0.00	0.00	3.20	0.42	0.00	0.00
0.65	0.08	0.00	0.00	3.25	0.43	0.00	0.00
0.70	0.08	0.00	0.00	3.30	0.43	0.00	0.00
0.75	0.09	0.00	0.00	3.35	0.44	0.00	0.00
0.80	0.10	0.00	0.00	3.40	0.45	0.00	0.00
0.85	0.10	0.00	0.00	3.45	0.46	0.00	0.00
0.90	0.11	0.00	0.00	3.50	0.46	0.00	0.00
0.95	0.11	0.00	0.00	3.55	0.47	0.00	0.00
1.00	0.12	0.00	0.00	3.60	0.48	0.00	0.00
1.05	0.13	0.00	0.00	3.65	0.49	0.00	0.00
1.10	0.13	0.00	0.00	3.70	0.49	0.00	0.00
1.15	0.14	0.00	0.00	3.75	0.50	0.00	0.00
1.20	0.15	0.00	0.00	3.80	0.51	0.00	0.00
1.25	0.15	0.00	0.00	3.85	0.52	0.00	0.00
1.30	0.16	0.00	0.00	3.90	0.52	0.00	0.00
1.35	0.16	0.00	0.00	3.95	0.53	0.00	0.00
1.40	0.17	0.00	0.00	4.00	0.54	0.00	0.00
1.45	0.18	0.00	0.00	4.05	0.55	0.00	0.00
1.50	0.18	0.00	0.00	4.10	0.56	0.00	0.00
1.55	0.19	0.00	0.00	4.15	0.56	0.00	0.00
1.60	0.20	0.00	0.00	4.20	0.57	0.00	0.00
1.65	0.20	0.00	0.00	4.25	0.58	0.00	0.00
1.70	0.21	0.00	0.00	4.30	0.59	0.00	0.00
1.75	0.22	0.00	0.00	4.35	0.60	0.00	0.00
1.80	0.22	0.00	0.00	4.40	0.60	0.00	0.00
1.85	0.23	0.00	0.00	4.45	0.61	0.00	0.00
1.90	0.24	0.00	0.00	4.50	0.62	0.00	0.00
1.95	0.24	0.00	0.00	4.55	0.63	0.00	0.00
2.00	0.25	0.00	0.00	4.60	0.64	0.00	0.00
2.05	0.26	0.00	0.00	4.65	0.64	0.00	0.00
2.10	0.26	0.00	0.00	4.70	0.65	0.00	0.00
2.15	0.27	0.00	0.00	4.75	0.66	0.00	0.00
2.20	0.28	0.00	0.00	4.80	0.67	0.00	0.00
2.25	0.28	0.00	0.00	4.85	0.68	0.00	0.00
2.30	0.29	0.00	0.00	4.90	0.69	0.00	0.00
2.35	0.30	0.00	0.00	4.95	0.69	0.00	0.00
2.40	0.30	0.00	0.00	5.00	0.70	0.00	0.00
2.45	0.31	0.00	0.00	5.05	0.71	0.00	0.00
2.50	0.32	0.00	0.00	5.10	0.72	0.00	0.00
2.55	0.33	0.00	0.00	5.15	0.73	0.00	0.00

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.20	0.74	0.00	0.00	7.80	1.27	0.01	0.11
5.25	0.74	0.00	0.00	7.85	1.28	0.01	0.12
5.30	0.75	0.00	0.00	7.90	1.30	0.01	0.13
5.35	0.76	0.00	0.00	7.95	1.31	0.01	0.15
5.40	0.77	0.00	0.00	8.00	1.32	0.01	0.16
5.45	0.78	0.00	0.00	8.05	1.34	0.01	0.17
5.50	0.79	0.00	0.00	8.10	1.35	0.01	0.18
5.55	0.80	0.00	0.00	8.15	1.36	0.01	0.19
5.60	0.80	0.00	0.00	8.20	1.38	0.02	0.20
5.65	0.81	0.00	0.00	8.25	1.39	0.02	0.22
5.70	0.82	0.00	0.00	8.30	1.40	0.02	0.23
5.75	0.83	0.00	0.00	8.35	1.42	0.02	0.24
5.80	0.84	0.00	0.00	8.40	1.43	0.02	0.25
5.85	0.85	0.00	0.00	8.45	1.45	0.02	0.27
5.90	0.86	0.00	0.00	8.50	1.46	0.03	0.28
5.95	0.87	0.00	0.00	8.55	1.48	0.03	0.29
6.00	0.87	0.00	0.00	8.60	1.49	0.03	0.31
6.05	0.88	0.00	0.00	8.65	1.51	0.03	0.32
6.10	0.89	0.00	0.00	8.70	1.52	0.03	0.34
6.15	0.90	0.00	0.00	8.75	1.54	0.04	0.35
6.20	0.91	0.00	0.00	8.80	1.55	0.04	0.37
6.25	0.92	0.00	0.00	8.85	1.57	0.04	0.38
6.30	0.93	0.00	0.00	8.90	1.58	0.04	0.39
6.35	0.94	0.00	0.00	8.95	1.60	0.05	0.41
6.40	0.95	0.00	0.00	9.00	1.61	0.05	0.42
6.45	0.96	0.00	0.00	9.05	1.63	0.05	0.44
6.50	0.97	0.00	0.00	9.10	1.64	0.05	0.46
6.55	0.98	0.00	0.00	9.15	1.66	0.06	0.48
6.60	0.99	0.00	0.00	9.20	1.68	0.06	0.50
6.65	1.00	0.00	0.00	9.25	1.70	0.06	0.52
6.70	1.01	0.00	0.00	9.30	1.72	0.07	0.55
6.75	1.02	0.00	0.00	9.35	1.73	0.07	0.58
6.80	1.03	0.00	0.00	9.40	1.75	0.08	0.60
6.85	1.04	0.00	0.00	9.45	1.77	0.08	0.63
6.90	1.05	0.00	0.00	9.50	1.79	0.08	0.66
6.95	1.07	0.00	0.00	9.55	1.81	0.09	0.70
7.00	1.08	0.00	0.00	9.60	1.83	0.09	0.73
7.05	1.09	0.00	0.00	9.65	1.85	0.10	0.76
7.10	1.10	0.00	0.00	9.70	1.88	0.10	0.80
7.15	1.11	0.00	0.00	9.75	1.90	0.11	0.83
7.20	1.12	0.00	0.01	9.80	1.92	0.11	0.87
7.25	1.13	0.00	0.01	9.85	1.94	0.12	0.91
7.30	1.15	0.00	0.02	9.90	1.97	0.13	0.94
7.35	1.16	0.00	0.02	9.95	1.99	0.13	0.98
7.40	1.17	0.00	0.03	10.00	2.01	0.14	1.02
7.45	1.18	0.00	0.04	10.05	2.04	0.15	1.07
7.50	1.19	0.00	0.05	10.10	2.06	0.15	1.11
7.55	1.21	0.00	0.06	10.15	2.09	0.16	1.15
7.60	1.22	0.00	0.07	10.20	2.11	0.17	1.20
7.65	1.23	0.00	0.08	10.25	2.14	0.18	1.24
7.70	1.24	0.01	0.09	10.30	2.17	0.18	1.29
7.75	1.26	0.01	0.10	10.35	2.19	0.19	1.34

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.40	2.22	0.20	1.38	13.00	8.39	4.21	8.98
10.45	2.25	0.21	1.43	13.05	8.43	4.25	8.51
10.50	2.28	0.22	1.48	13.10	8.48	4.28	8.06
10.55	2.31	0.23	1.54	13.15	8.52	4.32	7.62
10.60	2.34	0.24	1.60	13.20	8.56	4.35	7.21
10.65	2.37	0.25	1.68	13.25	8.60	4.38	6.85
10.70	2.41	0.26	1.78	13.30	8.63	4.41	6.54
10.75	2.44	0.28	1.89	13.35	8.67	4.44	6.26
10.80	2.48	0.29	2.02	13.40	8.70	4.47	6.00
10.85	2.52	0.31	2.15	13.45	8.73	4.50	5.75
10.90	2.56	0.32	2.29	13.50	8.76	4.52	5.51
10.95	2.61	0.34	2.44	13.55	8.79	4.54	5.27
11.00	2.65	0.36	2.59	13.60	8.82	4.57	5.04
11.05	2.70	0.38	2.76	13.65	8.85	4.59	4.81
11.10	2.75	0.40	2.94	13.70	8.87	4.61	4.60
11.15	2.80	0.42	3.15	13.75	8.90	4.63	4.43
11.20	2.86	0.44	3.39	13.80	8.93	4.66	4.30
11.25	2.92	0.47	3.66	13.85	8.95	4.68	4.20
11.30	2.98	0.50	3.94	13.90	8.98	4.70	4.11
11.35	3.05	0.53	4.25	13.95	9.00	4.72	4.04
11.40	3.12	0.56	4.57	14.00	9.03	4.74	3.97
11.45	3.19	0.60	4.90	14.05	9.05	4.76	3.91
11.50	3.26	0.63	5.24	14.10	9.07	4.78	3.84
11.55	3.37	0.69	5.62	14.15	9.10	4.80	3.78
11.60	3.49	0.74	6.20	14.20	9.12	4.82	3.72
11.65	3.60	0.81	7.13	14.25	9.14	4.84	3.66
11.70	3.72	0.87	8.26	14.30	9.16	4.86	3.60
11.75	3.88	0.96	9.38	14.35	9.19	4.87	3.54
11.80	4.04	1.05	10.58	14.40	9.21	4.89	3.48
11.85	4.27	1.19	12.13	14.45	9.23	4.91	3.41
11.90	4.49	1.32	14.23	14.50	9.25	4.93	3.35
11.95	4.88	1.57	17.11	14.55	9.27	4.94	3.29
12.00	5.26	1.83	21.29	14.60	9.29	4.96	3.23
12.05	5.91	2.28	27.63	14.65	9.31	4.97	3.17
12.10	6.55	2.76	36.68	14.70	9.32	4.99	3.11
12.15	6.77	2.93	48.00	14.75	9.34	5.01	3.04
12.20	7.00	3.10	**56.11**	14.80	9.36	5.02	2.98
12.25	7.16	3.23	55.93	14.85	9.38	5.03	2.92
12.30	7.32	3.35	49.16	14.90	9.40	5.05	2.86
12.35	7.44	3.44	40.59	14.95	9.41	5.06	2.80
12.40	7.55	3.54	33.50	15.00	9.43	5.08	2.73
12.45	7.67	3.63	28.04	15.05	9.44	5.09	2.67
12.50	7.78	3.72	23.91	15.10	9.46	5.10	2.61
12.55	7.85	3.77	20.95	15.15	9.47	5.12	2.54
12.60	7.92	3.83	18.65	15.20	9.49	5.13	2.49
12.65	7.99	3.89	16.46	15.25	9.50	5.14	2.45
12.70	8.06	3.94	14.40	15.30	9.52	5.15	2.41
12.75	8.12	3.99	12.75	15.35	9.53	5.17	2.38
12.80	8.18	4.04	11.56	15.40	9.55	5.18	2.36
12.85	8.24	4.09	10.70	15.45	9.56	5.19	2.34
12.90	8.29	4.13	10.03	15.50	9.58	5.20	2.32
12.95	8.34	4.17	9.47	15.55	9.59	5.22	2.31

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.60	9.61	5.23	2.29	18.20	10.20	5.74	1.43
15.65	9.62	5.24	2.27	18.25	10.21	5.75	1.41
15.70	9.64	5.25	2.26	18.30	10.22	5.75	1.40
15.75	9.65	5.26	2.24	18.35	10.23	5.76	1.40
15.80	9.66	5.28	2.22	18.40	10.24	5.77	1.39
15.85	9.68	5.29	2.20	18.45	10.24	5.78	1.39
15.90	9.69	5.30	2.19	18.50	10.25	5.78	1.38
15.95	9.70	5.31	2.17	18.55	10.26	5.79	1.38
16.00	9.72	5.32	2.16	18.60	10.27	5.80	1.37
16.05	9.73	5.33	2.14	18.65	10.28	5.80	1.37
16.10	9.74	5.35	2.12	18.70	10.29	5.81	1.36
16.15	9.76	5.36	2.11	18.75	10.30	5.82	1.36
16.20	9.77	5.37	2.09	18.80	10.30	5.83	1.36
16.25	9.78	5.38	2.08	18.85	10.31	5.83	1.35
16.30	9.80	5.39	2.06	18.90	10.32	5.84	1.35
16.35	9.81	5.40	2.04	18.95	10.33	5.85	1.34
16.40	9.82	5.41	2.03	19.00	10.34	5.86	1.34
16.45	9.83	5.42	2.01	19.05	10.35	5.86	1.34
16.50	9.85	5.43	1.99	19.10	10.35	5.87	1.33
16.55	9.86	5.44	1.98	19.15	10.36	5.88	1.33
16.60	9.87	5.45	1.96	19.20	10.37	5.88	1.32
16.65	9.88	5.46	1.94	19.25	10.38	5.89	1.32
16.70	9.89	5.47	1.93	19.30	10.39	5.90	1.31
16.75	9.91	5.48	1.91	19.35	10.40	5.91	1.31
16.80	9.92	5.49	1.89	19.40	10.40	5.91	1.31
16.85	9.93	5.50	1.88	19.45	10.41	5.92	1.30
16.90	9.94	5.51	1.86	19.50	10.42	5.93	1.30
16.95	9.95	5.52	1.84	19.55	10.43	5.93	1.29
17.00	9.96	5.53	1.83	19.60	10.44	5.94	1.29
17.05	9.97	5.54	1.81	19.65	10.44	5.95	1.29
17.10	9.99	5.55	1.80	19.70	10.45	5.96	1.28
17.15	10.00	5.56	1.78	19.75	10.46	5.96	1.28
17.20	10.01	5.57	1.76	19.80	10.47	5.97	1.27
17.25	10.02	5.58	1.75	19.85	10.48	5.98	1.27
17.30	10.03	5.59	1.73	19.90	10.48	5.98	1.27
17.35	10.04	5.60	1.71	19.95	10.49	5.99	1.26
17.40	10.05	5.61	1.69	20.00	10.50	6.00	1.26
17.45	10.06	5.62	1.67	20.05	10.51	6.00	1.25
17.50	10.07	5.62	1.66	20.10	10.52	6.01	1.25
17.55	10.08	5.63	1.64	20.15	10.52	6.02	1.24
17.60	10.09	5.64	1.63	20.20	10.53	6.02	1.24
17.65	10.10	5.65	1.61	20.25	10.54	6.03	1.24
17.70	10.11	5.66	1.59	20.30	10.55	6.04	1.23
17.75	10.12	5.67	1.58	20.35	10.55	6.04	1.23
17.80	10.13	5.68	1.56	20.40	10.56	6.05	1.22
17.85	10.14	5.68	1.54	20.45	10.57	6.06	1.22
17.90	10.15	5.69	1.53	20.50	10.58	6.06	1.21
17.95	10.16	5.70	1.51	20.55	10.58	6.07	1.21
18.00	10.17	5.71	1.49	20.60	10.59	6.08	1.21
18.05	10.17	5.71	1.47	20.65	10.60	6.08	1.20
18.10	10.18	5.72	1.46	20.70	10.61	6.09	1.20
18.15	10.19	5.73	1.44	20.75	10.61	6.10	1.20

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.80	10.62	6.10	1.19	23.40	10.97	6.40	0.97
20.85	10.63	6.11	1.19	23.45	10.97	6.41	0.97
20.90	10.64	6.11	1.18	23.50	10.98	6.41	0.96
20.95	10.64	6.12	1.18	23.55	10.99	6.42	0.96
21.00	10.65	6.13	1.17	23.60	10.99	6.42	0.95
21.05	10.66	6.13	1.17	23.65	11.00	6.43	0.95
21.10	10.66	6.14	1.16	23.70	11.00	6.44	0.94
21.15	10.67	6.15	1.16	23.75	11.01	6.44	0.94
21.20	10.68	6.15	1.16	23.80	11.01	6.45	0.94
21.25	10.69	6.16	1.15	23.85	11.02	6.45	0.93
21.30	10.69	6.16	1.15	23.90	11.03	6.46	0.93
21.35	10.70	6.17	1.15	23.95	11.03	6.46	0.93
21.40	10.71	6.18	1.14	24.00	**11.04**	**6.47**	0.94
21.45	10.71	6.18	1.14	24.05	11.04	6.47	0.96
21.50	10.72	6.19	1.13	24.10	11.04	6.47	0.92
21.55	10.73	6.20	1.13	24.15	11.04	6.47	0.76
21.60	10.74	6.20	1.12	24.20	11.04	6.47	0.53
21.65	10.74	6.21	1.12	24.25	11.04	6.47	0.33
21.70	10.75	6.21	1.11	24.30	11.04	6.47	0.19
21.75	10.76	6.22	1.11	24.35	11.04	6.47	0.11
21.80	10.76	6.23	1.11	24.40	11.04	6.47	0.07
21.85	10.77	6.23	1.10	24.45	11.04	6.47	0.04
21.90	10.78	6.24	1.10	24.50	11.04	6.47	0.02
21.95	10.78	6.24	1.10	24.55	11.04	6.47	0.01
22.00	10.79	6.25	1.09	24.60	11.04	6.47	0.01
22.05	10.80	6.26	1.09	24.65	11.04	6.47	0.00
22.10	10.80	6.26	1.08	24.70	11.04	6.47	0.00
22.15	10.81	6.27	1.08	24.75	11.04	6.47	0.00
22.20	10.82	6.27	1.07	24.80	11.04	6.47	0.00
22.25	10.82	6.28	1.07	24.85	11.04	6.47	0.00
22.30	10.83	6.28	1.07	24.90	11.04	6.47	0.00
22.35	10.84	6.29	1.06	24.95	11.04	6.47	0.00
22.40	10.84	6.30	1.06	25.00	11.04	6.47	0.00
22.45	10.85	6.30	1.05	25.05	11.04	6.47	0.00
22.50	10.86	6.31	1.05	25.10	11.04	6.47	0.00
22.55	10.86	6.31	1.04	25.15	11.04	6.47	0.00
22.60	10.87	6.32	1.04	25.20	11.04	6.47	0.00
22.65	10.88	6.32	1.04	25.25	11.04	6.47	0.00
22.70	10.88	6.33	1.03	25.30	11.04	6.47	0.00
22.75	10.89	6.33	1.03	25.35	11.04	6.47	0.00
22.80	10.89	6.34	1.02	25.40	11.04	6.47	0.00
22.85	10.90	6.35	1.02	25.45	11.04	6.47	0.00
22.90	10.91	6.35	1.01	25.50	11.04	6.47	0.00
22.95	10.91	6.36	1.01	25.55	11.04	6.47	0.00
23.00	10.92	6.36	1.00	25.60	11.04	6.47	0.00
23.05	10.93	6.37	1.00	25.65	11.04	6.47	0.00
23.10	10.93	6.37	1.00	25.70	11.04	6.47	0.00
23.15	10.94	6.38	0.99	25.75	11.04	6.47	0.00
23.20	10.94	6.38	0.99	25.80	11.04	6.47	0.00
23.25	10.95	6.39	0.98	25.85	11.04	6.47	0.00
23.30	10.96	6.39	0.98	25.90	11.04	6.47	0.00
23.35	10.96	6.40	0.97	25.95	11.04	6.47	0.00

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
26.00	11.04	6.47	0.00	28.60	11.04	6.47	0.00
26.05	11.04	6.47	0.00	28.65	11.04	6.47	0.00
26.10	11.04	6.47	0.00	28.70	11.04	6.47	0.00
26.15	11.04	6.47	0.00	28.75	11.04	6.47	0.00
26.20	11.04	6.47	0.00	28.80	11.04	6.47	0.00
26.25	11.04	6.47	0.00	28.85	11.04	6.47	0.00
26.30	11.04	6.47	0.00	28.90	11.04	6.47	0.00
26.35	11.04	6.47	0.00	28.95	11.04	6.47	0.00
26.40	11.04	6.47	0.00	29.00	11.04	6.47	0.00
26.45	11.04	6.47	0.00	29.05	11.04	6.47	0.00
26.50	11.04	6.47	0.00	29.10	11.04	6.47	0.00
26.55	11.04	6.47	0.00	29.15	11.04	6.47	0.00
26.60	11.04	6.47	0.00	29.20	11.04	6.47	0.00
26.65	11.04	6.47	0.00	29.25	11.04	6.47	0.00
26.70	11.04	6.47	0.00	29.30	11.04	6.47	0.00
26.75	11.04	6.47	0.00	29.35	11.04	6.47	0.00
26.80	11.04	6.47	0.00	29.40	11.04	6.47	0.00
26.85	11.04	6.47	0.00	29.45	11.04	6.47	0.00
26.90	11.04	6.47	0.00	29.50	11.04	6.47	0.00
26.95	11.04	6.47	0.00	29.55	11.04	6.47	0.00
27.00	11.04	6.47	0.00	29.60	11.04	6.47	0.00
27.05	11.04	6.47	0.00	29.65	11.04	6.47	0.00
27.10	11.04	6.47	0.00	29.70	11.04	6.47	0.00
27.15	11.04	6.47	0.00	29.75	11.04	6.47	0.00
27.20	11.04	6.47	0.00	29.80	11.04	6.47	0.00
27.25	11.04	6.47	0.00	29.85	11.04	6.47	0.00
27.30	11.04	6.47	0.00	29.90	11.04	6.47	0.00
27.35	11.04	6.47	0.00	29.95	11.04	6.47	0.00
27.40	11.04	6.47	0.00	30.00	11.04	6.47	0.00
27.45	11.04	6.47	0.00	30.05	11.04	6.47	0.00
27.50	11.04	6.47	0.00	30.10	11.04	6.47	0.00
27.55	11.04	6.47	0.00	30.15	11.04	6.47	0.00
27.60	11.04	6.47	0.00	30.20	11.04	6.47	0.00
27.65	11.04	6.47	0.00	30.25	11.04	6.47	0.00
27.70	11.04	6.47	0.00	30.30	11.04	6.47	0.00
27.75	11.04	6.47	0.00	30.35	11.04	6.47	0.00
27.80	11.04	6.47	0.00	30.40	11.04	6.47	0.00
27.85	11.04	6.47	0.00	30.45	11.04	6.47	0.00
27.90	11.04	6.47	0.00	30.50	11.04	6.47	0.00
27.95	11.04	6.47	0.00	30.55	11.04	6.47	0.00
28.00	11.04	6.47	0.00	30.60	11.04	6.47	0.00
28.05	11.04	6.47	0.00	30.65	11.04	6.47	0.00
28.10	11.04	6.47	0.00	30.70	11.04	6.47	0.00
28.15	11.04	6.47	0.00	30.75	11.04	6.47	0.00
28.20	11.04	6.47	0.00	30.80	11.04	6.47	0.00
28.25	11.04	6.47	0.00	30.85	11.04	6.47	0.00
28.30	11.04	6.47	0.00	30.90	11.04	6.47	0.00
28.35	11.04	6.47	0.00	30.95	11.04	6.47	0.00
28.40	11.04	6.47	0.00	31.00	11.04	6.47	0.00
28.45	11.04	6.47	0.00	31.05	11.04	6.47	0.00
28.50	11.04	6.47	0.00	31.10	11.04	6.47	0.00
28.55	11.04	6.47	0.00	31.15	11.04	6.47	0.00

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
31.20	11.04	6.47	0.00	33.80	11.04	6.47	0.00
31.25	11.04	6.47	0.00	33.85	11.04	6.47	0.00
31.30	11.04	6.47	0.00	33.90	11.04	6.47	0.00
31.35	11.04	6.47	0.00	33.95	11.04	6.47	0.00
31.40	11.04	6.47	0.00	34.00	11.04	6.47	0.00
31.45	11.04	6.47	0.00	34.05	11.04	6.47	0.00
31.50	11.04	6.47	0.00	34.10	11.04	6.47	0.00
31.55	11.04	6.47	0.00	34.15	11.04	6.47	0.00
31.60	11.04	6.47	0.00	34.20	11.04	6.47	0.00
31.65	11.04	6.47	0.00	34.25	11.04	6.47	0.00
31.70	11.04	6.47	0.00	34.30	11.04	6.47	0.00
31.75	11.04	6.47	0.00	34.35	11.04	6.47	0.00
31.80	11.04	6.47	0.00	34.40	11.04	6.47	0.00
31.85	11.04	6.47	0.00	34.45	11.04	6.47	0.00
31.90	11.04	6.47	0.00	34.50	11.04	6.47	0.00
31.95	11.04	6.47	0.00	34.55	11.04	6.47	0.00
32.00	11.04	6.47	0.00	34.60	11.04	6.47	0.00
32.05	11.04	6.47	0.00	34.65	11.04	6.47	0.00
32.10	11.04	6.47	0.00	34.70	11.04	6.47	0.00
32.15	11.04	6.47	0.00	34.75	11.04	6.47	0.00
32.20	11.04	6.47	0.00	34.80	11.04	6.47	0.00
32.25	11.04	6.47	0.00	34.85	11.04	6.47	0.00
32.30	11.04	6.47	0.00	34.90	11.04	6.47	0.00
32.35	11.04	6.47	0.00	34.95	11.04	6.47	0.00
32.40	11.04	6.47	0.00	35.00	11.04	6.47	0.00
32.45	11.04	6.47	0.00	35.05	11.04	6.47	0.00
32.50	11.04	6.47	0.00	35.10	11.04	6.47	0.00
32.55	11.04	6.47	0.00	35.15	11.04	6.47	0.00
32.60	11.04	6.47	0.00	35.20	11.04	6.47	0.00
32.65	11.04	6.47	0.00	35.25	11.04	6.47	0.00
32.70	11.04	6.47	0.00	35.30	11.04	6.47	0.00
32.75	11.04	6.47	0.00	35.35	11.04	6.47	0.00
32.80	11.04	6.47	0.00	35.40	11.04	6.47	0.00
32.85	11.04	6.47	0.00	35.45	11.04	6.47	0.00
32.90	11.04	6.47	0.00	35.50	11.04	6.47	0.00
32.95	11.04	6.47	0.00	35.55	11.04	6.47	0.00
33.00	11.04	6.47	0.00	35.60	11.04	6.47	0.00
33.05	11.04	6.47	0.00	35.65	11.04	6.47	0.00
33.10	11.04	6.47	0.00	35.70	11.04	6.47	0.00
33.15	11.04	6.47	0.00	35.75	11.04	6.47	0.00
33.20	11.04	6.47	0.00	35.80	11.04	6.47	0.00
33.25	11.04	6.47	0.00	35.85	11.04	6.47	0.00
33.30	11.04	6.47	0.00	35.90	11.04	6.47	0.00
33.35	11.04	6.47	0.00	35.95	11.04	6.47	0.00
33.40	11.04	6.47	0.00	36.00	11.04	6.47	0.00
33.45	11.04	6.47	0.00	36.05	11.04	6.47	0.00
33.50	11.04	6.47	0.00	36.10	11.04	6.47	0.00
33.55	11.04	6.47	0.00	36.15	11.04	6.47	0.00
33.60	11.04	6.47	0.00	36.20	11.04	6.47	0.00
33.65	11.04	6.47	0.00	36.25	11.04	6.47	0.00
33.70	11.04	6.47	0.00	36.30	11.04	6.47	0.00
33.75	11.04	6.47	0.00	36.35	11.04	6.47	0.00

Hydrograph for Subcatchment UPDA-6: PDA-6 (undetained) (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
36.40	11.04	6.47	0.00
36.45	11.04	6.47	0.00
36.50	11.04	6.47	0.00
36.55	11.04	6.47	0.00
36.60	11.04	6.47	0.00
36.65	11.04	6.47	0.00
36.70	11.04	6.47	0.00
36.75	11.04	6.47	0.00
36.80	11.04	6.47	0.00
36.85	11.04	6.47	0.00
36.90	11.04	6.47	0.00
36.95	11.04	6.47	0.00
37.00	11.04	6.47	0.00
37.05	11.04	6.47	0.00
37.10	11.04	6.47	0.00
37.15	11.04	6.47	0.00
37.20	11.04	6.47	0.00
37.25	11.04	6.47	0.00
37.30	11.04	6.47	0.00
37.35	11.04	6.47	0.00
37.40	11.04	6.47	0.00
37.45	11.04	6.47	0.00
37.50	11.04	6.47	0.00
37.55	11.04	6.47	0.00
37.60	11.04	6.47	0.00
37.65	11.04	6.47	0.00
37.70	11.04	6.47	0.00
37.75	11.04	6.47	0.00
37.80	11.04	6.47	0.00
37.85	11.04	6.47	0.00
37.90	11.04	6.47	0.00
37.95	11.04	6.47	0.00
38.00	11.04	6.47	0.00
38.05	11.04	6.47	0.00
38.10	11.04	6.47	0.00
38.15	11.04	6.47	0.00
38.20	11.04	6.47	0.00
38.25	11.04	6.47	0.00
38.30	11.04	6.47	0.00
38.35	11.04	6.47	0.00
38.40	11.04	6.47	0.00
38.45	11.04	6.47	0.00
38.50	11.04	6.47	0.00
38.55	11.04	6.47	0.00
38.60	11.04	6.47	0.00
38.65	11.04	6.47	0.00
38.70	11.04	6.47	0.00
38.75	11.04	6.47	0.00
38.80	11.04	6.47	0.00
38.85	11.04	6.47	0.00
38.90	11.04	6.47	0.00
38.95	11.04	6.47	0.00
39.00	11.04	6.47	0.00
39.05	11.04	6.47	0.00
39.10	11.04	6.47	0.00
39.15	11.04	6.47	0.00
39.20	11.04	6.47	0.00
39.25	11.04	6.47	0.00
39.30	11.04	6.47	0.00
39.35	11.04	6.47	0.00
39.40	11.04	6.47	0.00
39.45	11.04	6.47	0.00
39.50	11.04	6.47	0.00
39.55	11.04	6.47	0.00
39.60	11.04	6.47	0.00
39.65	11.04	6.47	0.00
39.70	11.04	6.47	0.00
39.75	11.04	6.47	0.00
39.80	11.04	6.47	0.00
39.85	11.04	6.47	0.00
39.90	11.04	6.47	0.00
39.95	11.04	6.47	0.00
40.00	11.04	6.47	0.00

Summary for Pond B-51: Basin #51

Inflow Area = 11.027 ac, 43.68% Impervious, Inflow Depth > 8.51" for Future 100 yr event
Inflow = 77.02 cfs @ 12.16 hrs, Volume= 7.818 af
Outflow = 31.86 cfs @ 12.55 hrs, Volume= 7.768 af, Atten= 59%, Lag= 23.1 min
Primary = 31.86 cfs @ 12.55 hrs, Volume= 7.768 af
Routed to Link PDA-6ON : Proposed Onsite Drainage Area #6

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 189.45' @ 12.55 hrs Surf.Area= 16,548 sf Storage= 90,123 cf

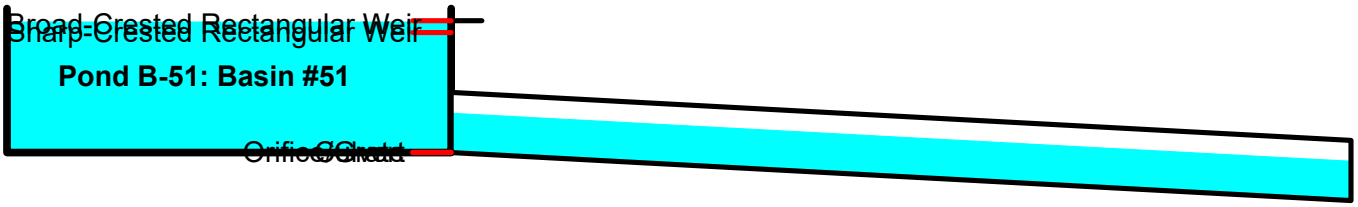
Plug-Flow detention time= 60.8 min calculated for 7.759 af (99% of inflow)
Center-of-Mass det. time= 52.2 min (912.2 - 860.0)

Volume	Invert	Avail.Storage	Storage Description
#1	184.00'	99,288 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

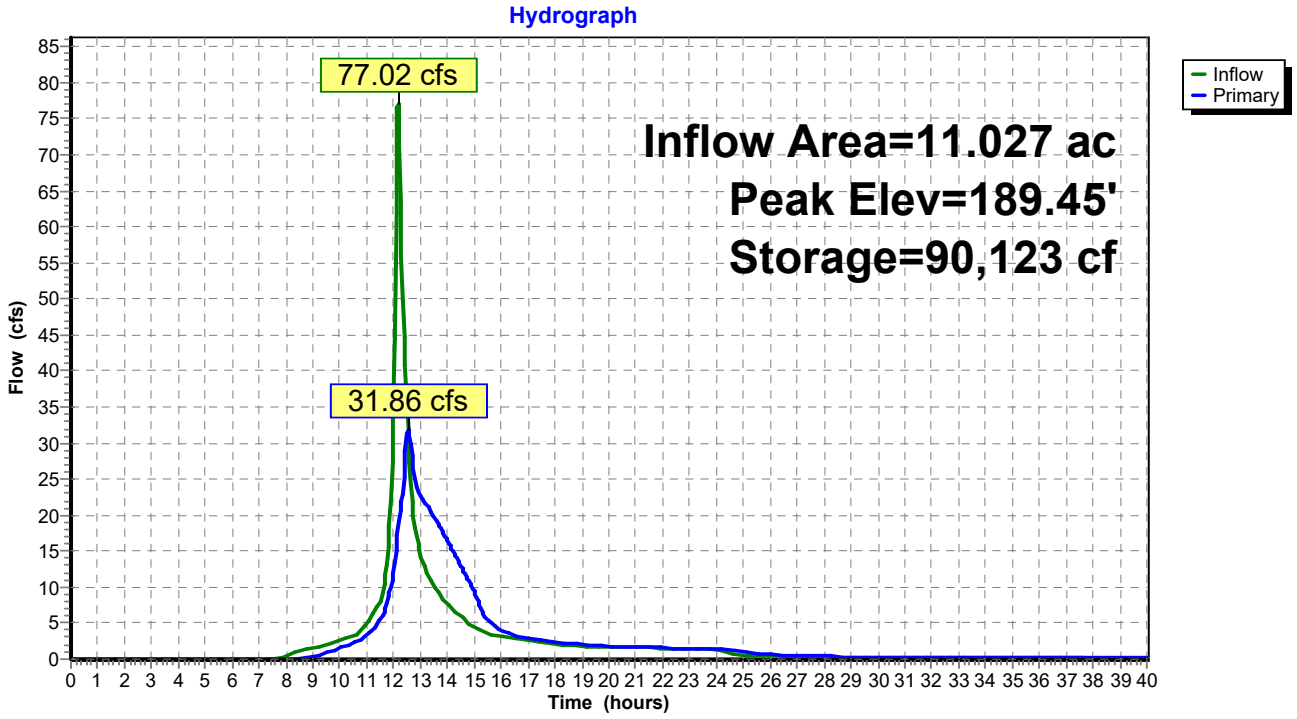
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
184.00	16,548	0	0
185.00	16,548	16,548	16,548
186.00	16,548	16,548	33,096
187.00	16,548	16,548	49,644
188.00	16,548	16,548	66,192
189.00	16,548	16,548	82,740
190.00	16,548	16,548	99,288

Device	Routing	Invert	Outlet Devices
#1	Primary	184.00'	**30.0" Round Culvert** L= 147.0' Ke= 0.500 Inlet / Outlet Invert= 184.00' / 182.00' S= 0.0136 '/' Cc= 0.900 n= 0.013, Flow Area= 4.91 sf
#2	Device 1	184.01'	**27.0" W x 12.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	189.00'	**8.0' long Sharp-Crested Rectangular Weir** 0 End Contraction(s)
#4	Primary	189.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=31.82 cfs @ 12.55 hrs HW=189.45' (Free Discharge)
- **1=Culvert** (Passes 31.82 cfs of 48.41 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 24.06 cfs @ 10.69 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 7.77 cfs @ 2.18 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-51: Basin #51



Hydrograph for Pond B-51: Basin #51

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	184.00	0.00
0.10	0.00	0	184.00	0.00
0.20	0.00	0	184.00	0.00
0.30	0.00	0	184.00	0.00
0.40	0.00	0	184.00	0.00
0.50	0.00	0	184.00	0.00
0.60	0.00	0	184.00	0.00
0.70	0.00	0	184.00	0.00
0.80	0.00	0	184.00	0.00
0.90	0.00	0	184.00	0.00
1.00	0.00	0	184.00	0.00
1.10	0.00	0	184.00	0.00
1.20	0.00	0	184.00	0.00
1.30	0.00	0	184.00	0.00
1.40	0.00	0	184.00	0.00
1.50	0.00	0	184.00	0.00
1.60	0.00	0	184.00	0.00
1.70	0.00	0	184.00	0.00
1.80	0.00	0	184.00	0.00
1.90	0.00	0	184.00	0.00
2.00	0.00	0	184.00	0.00
2.10	0.00	0	184.00	0.00
2.20	0.00	0	184.00	0.00
2.30	0.00	0	184.00	0.00
2.40	0.00	0	184.00	0.00
2.50	0.00	0	184.00	0.00
2.60	0.00	0	184.00	0.00
2.70	0.00	0	184.00	0.00
2.80	0.00	0	184.00	0.00
2.90	0.00	0	184.00	0.00
3.00	0.00	0	184.00	0.00
3.10	0.00	0	184.00	0.00
3.20	0.00	0	184.00	0.00
3.30	0.00	0	184.00	0.00
3.40	0.00	0	184.00	0.00
3.50	0.00	0	184.00	0.00
3.60	0.00	0	184.00	0.00
3.70	0.00	0	184.00	0.00
3.80	0.00	0	184.00	0.00
3.90	0.00	0	184.00	0.00
4.00	0.00	0	184.00	0.00
4.10	0.00	0	184.00	0.00
4.20	0.00	0	184.00	0.00
4.30	0.00	0	184.00	0.00
4.40	0.00	0	184.00	0.00
4.50	0.00	0	184.00	0.00
4.60	0.00	0	184.00	0.00
4.70	0.00	0	184.00	0.00
4.80	0.00	0	184.00	0.00
4.90	0.00	0	184.00	0.00
5.00	0.00	0	184.00	0.00
5.10	0.00	0	184.00	0.00

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.00	0	184.00	0.00
5.30	0.00	1	184.00	0.00
5.40	0.00	2	184.00	0.00
5.50	0.00	3	184.00	0.00
5.60	0.01	5	184.00	0.00
5.70	0.01	7	184.00	0.00
5.80	0.01	9	184.00	0.00
5.90	0.01	12	184.00	0.00
6.00	0.01	15	184.00	0.00
6.10	0.01	19	184.00	0.00
6.20	0.01	23	184.00	0.00
6.30	0.01	28	184.00	0.00
6.40	0.02	33	184.00	0.00
6.50	0.02	39	184.00	0.00
6.60	0.02	46	184.00	0.00
6.70	0.02	53	184.00	0.00
6.80	0.02	60	184.00	0.00
6.90	0.02	68	184.00	0.00
7.00	0.03	77	184.00	0.00
7.10	0.03	87	184.01	0.00
7.20	0.03	97	184.01	0.00
7.30	0.03	109	184.01	0.00
7.40	0.03	120	184.01	0.00
7.50	0.04	133	184.01	0.00
7.60	0.04	146	184.01	0.00
7.70	0.04	161	184.01	0.00
7.80	0.07	178	184.01	0.00
7.90	0.20	226	184.01	0.00
8.00	0.36	326	184.02	0.00
8.10	0.54	485	184.03	0.01
8.20	0.71	707	184.04	0.02
8.30	0.88	985	184.06	0.03
8.40	1.02	1,313	184.08	0.05
8.50	1.15	1,681	184.10	0.08
8.60	1.26	2,079	184.13	0.11
8.70	1.36	2,499	184.15	0.17
8.80	1.45	2,935	184.18	0.22
8.90	1.53	3,378	184.20	0.30
9.00	1.60	3,820	184.23	0.37
9.10	1.67	4,258	184.26	0.47
9.20	1.76	4,691	184.28	0.56
9.30	1.85	5,120	184.31	0.66
9.40	1.95	5,544	184.34	0.78
9.50	2.06	5,965	184.36	0.89
9.60	2.17	6,381	184.39	1.02
9.70	2.28	6,792	184.41	1.15
9.80	2.40	7,196	184.43	1.29
9.90	2.51	7,590	184.46	1.43
10.00	2.62	7,974	184.48	1.57
10.10	2.75	8,350	184.50	1.72
10.20	2.87	8,717	184.53	1.86
10.30	2.99	9,075	184.55	2.01

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	3.12	9,423	184.57	2.17
10.50	3.24	9,761	184.59	2.32
10.60	3.41	10,096	184.61	2.47
10.70	3.63	10,444	184.63	2.64
10.80	3.96	10,823	184.65	2.82
10.90	4.50	11,292	184.68	3.06
11.00	4.98	11,848	184.72	3.35
11.10	5.47	12,463	184.75	3.69
11.20	6.00	13,132	184.79	4.06
11.30	6.58	13,854	184.84	4.49
11.40	7.19	14,628	184.88	4.97
11.50	7.81	15,443	184.93	5.50
11.60	9.29	16,389	184.99	6.13
11.70	11.66	17,784	185.07	7.12
11.80	15.46	19,784	185.20	8.63
11.90	22.09	23,113	185.40	10.06
12.00	33.46	29,038	185.75	12.00
12.10	**62.03**	40,796	186.47	15.11
12.20	**71.35**	60,381	187.65	19.17
12.30	55.92	75,831	188.58	21.85
12.40	44.83	85,558	189.17	25.23
12.50	35.46	**89,803**	**189.43**	**31.32**
12.60	27.43	**89,729**	**189.42**	**31.19**
12.70	21.86	87,828	189.31	28.19
12.80	18.18	85,424	189.16	25.07
12.90	16.01	82,933	189.01	23.04
13.00	14.46	80,208	188.85	22.55
13.10	13.18	77,147	188.66	22.06
13.20	12.14	73,852	188.46	21.52
13.30	11.33	70,428	188.26	20.95
13.40	10.66	66,949	188.05	20.35
13.50	10.03	63,456	187.83	19.74
13.60	9.41	59,964	187.62	19.10
13.70	8.89	56,498	187.41	18.44
13.80	8.43	53,095	187.21	17.77
13.90	8.01	49,778	187.01	17.09
14.00	7.62	46,560	186.81	16.41
14.10	7.25	43,451	186.63	15.72
14.20	6.89	40,461	186.45	15.03
14.30	6.55	37,596	186.27	14.33
14.40	6.21	34,859	186.11	13.63
14.50	5.89	32,256	185.95	12.93
14.60	5.58	29,792	185.80	12.23
14.70	5.27	27,469	185.66	11.52
14.80	4.97	25,293	185.53	10.82
14.90	4.68	23,264	185.41	10.11
15.00	4.42	21,389	185.29	9.40
15.10	4.18	19,697	185.19	8.56
15.20	3.98	18,282	185.10	7.49
15.30	3.81	17,140	185.04	6.66
15.40	3.67	16,208	184.98	6.01
15.50	3.56	15,441	184.93	5.50

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	3.46	14,802	184.89	5.08
15.70	3.37	14,263	184.86	4.75
15.80	3.29	13,806	184.83	4.46
15.90	3.21	13,412	184.81	4.23
16.00	3.14	13,070	184.79	4.03
16.10	3.08	12,771	184.77	3.86
16.20	3.01	12,507	184.76	3.71
16.30	2.95	12,269	184.74	3.58
16.40	2.89	12,055	184.73	3.46
16.50	2.84	11,860	184.72	3.35
16.60	2.78	11,681	184.71	3.26
16.70	2.73	11,515	184.70	3.17
16.80	2.67	11,360	184.69	3.09
16.90	2.62	11,212	184.68	3.02
17.00	2.57	11,073	184.67	2.94
17.10	2.52	10,942	184.66	2.88
17.20	2.48	10,817	184.65	2.82
17.30	2.43	10,697	184.65	2.76
17.40	2.38	10,579	184.64	2.70
17.50	2.34	10,466	184.63	2.65
17.60	2.29	10,356	184.63	2.59
17.70	2.25	10,248	184.62	2.54
17.80	2.20	10,142	184.61	2.49
17.90	2.16	10,038	184.61	2.44
18.00	2.11	9,936	184.60	2.39
18.10	2.06	9,834	184.59	2.35
18.20	2.02	9,733	184.59	2.30
18.30	1.99	9,634	184.58	2.26
18.40	1.96	9,539	184.58	2.22
18.50	1.94	9,449	184.57	2.18
18.60	1.92	9,365	184.57	2.14
18.70	1.90	9,287	184.56	2.11
18.80	1.88	9,214	184.56	2.07
18.90	1.86	9,146	184.55	2.04
19.00	1.85	9,083	184.55	2.02
19.10	1.83	9,025	184.55	1.99
19.20	1.82	8,970	184.54	1.97
19.30	1.81	8,919	184.54	1.94
19.40	1.79	8,871	184.54	1.93
19.50	1.78	8,825	184.53	1.91
19.60	1.77	8,781	184.53	1.89
19.70	1.76	8,739	184.53	1.87
19.80	1.75	8,698	184.53	1.86
19.90	1.74	8,660	184.52	1.84
20.00	1.73	8,623	184.52	1.83
20.10	1.72	8,588	184.52	1.81
20.20	1.71	8,554	184.52	1.80
20.30	1.70	8,521	184.51	1.79
20.40	1.69	8,489	184.51	1.77
20.50	1.68	8,458	184.51	1.76
20.60	1.67	8,428	184.51	1.75
20.70	1.66	8,399	184.51	1.74

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	1.65	8,370	184.51	1.73
20.90	1.64	8,342	184.50	1.71
21.00	1.63	8,314	184.50	1.70
21.10	1.62	8,287	184.50	1.69
21.20	1.61	8,259	184.50	1.68
21.30	1.60	8,232	184.50	1.67
21.40	1.59	8,206	184.50	1.66
21.50	1.58	8,180	184.49	1.65
21.60	1.57	8,154	184.49	1.64
21.70	1.56	8,128	184.49	1.63
21.80	1.55	8,102	184.49	1.62
21.90	1.54	8,076	184.49	1.61
22.00	1.53	8,050	184.49	1.60
22.10	1.52	8,024	184.48	1.59
22.20	1.51	7,999	184.48	1.58
22.30	1.50	7,973	184.48	1.57
22.40	1.49	7,948	184.48	1.56
22.50	1.48	7,922	184.48	1.55
22.60	1.47	7,896	184.48	1.54
22.70	1.46	7,870	184.48	1.53
22.80	1.45	7,844	184.47	1.52
22.90	1.43	7,817	184.47	1.51
23.00	1.43	7,790	184.47	1.50
23.10	1.42	7,764	184.47	1.49
23.20	1.41	7,738	184.47	1.48
23.30	1.40	7,711	184.47	1.47
23.40	1.39	7,685	184.46	1.46
23.50	1.38	7,659	184.46	1.45
23.60	1.37	7,634	184.46	1.44
23.70	1.36	7,608	184.46	1.44
23.80	1.36	7,582	184.46	1.43
23.90	1.35	7,557	184.46	1.42
24.00	1.37	7,535	184.46	1.41
24.10	1.25	7,507	184.45	1.40
24.20	1.06	7,422	184.45	1.37
24.30	0.94	7,295	184.44	1.32
24.40	0.84	7,148	184.43	1.27
24.50	0.76	6,989	184.42	1.21
24.60	0.70	6,824	184.41	1.16
24.70	0.65	6,657	184.40	1.11
24.80	0.62	6,496	184.39	1.06
24.90	0.59	6,341	184.38	1.01
25.00	0.56	6,193	184.37	0.96
25.10	0.54	6,052	184.37	0.92
25.20	0.52	5,919	184.36	0.88
25.30	0.50	5,791	184.35	0.84
25.40	0.48	5,669	184.34	0.81
25.50	0.46	5,552	184.34	0.78
25.60	0.45	5,441	184.33	0.75
25.70	0.44	5,336	184.32	0.72
25.80	0.43	5,236	184.32	0.70
25.90	0.41	5,141	184.31	0.67

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.41	5,052	184.31	0.65
26.10	0.40	4,968	184.30	0.62
26.20	0.39	4,889	184.30	0.61
26.30	0.38	4,814	184.29	0.59
26.40	0.38	4,742	184.29	0.57
26.50	0.37	4,674	184.28	0.56
26.60	0.37	4,609	184.28	0.54
26.70	0.36	4,547	184.27	0.53
26.80	0.36	4,488	184.27	0.52
26.90	0.35	4,431	184.27	0.50
27.00	0.35	4,378	184.26	0.49
27.10	0.34	4,327	184.26	0.48
27.20	0.34	4,278	184.26	0.47
27.30	0.33	4,231	184.26	0.46
27.40	0.33	4,187	184.25	0.45
27.50	0.32	4,144	184.25	0.44
27.60	0.32	4,103	184.25	0.43
27.70	0.31	4,064	184.25	0.42
27.80	0.31	4,026	184.24	0.41
27.90	0.31	3,990	184.24	0.41
28.00	0.30	3,955	184.24	0.40
28.10	0.30	3,920	184.24	0.39
28.20	0.29	3,887	184.23	0.39
28.30	0.29	3,853	184.23	0.38
28.40	0.29	3,821	184.23	0.37
28.50	0.28	3,789	184.23	0.37
28.60	0.28	3,757	184.23	0.36
28.70	0.27	3,726	184.23	0.36
28.80	0.27	3,696	184.22	0.35
28.90	0.26	3,666	184.22	0.35
29.00	0.26	3,636	184.22	0.34
29.10	0.26	3,607	184.22	0.34
29.20	0.25	3,578	184.22	0.33
29.30	0.25	3,549	184.21	0.33
29.40	0.24	3,521	184.21	0.32
29.50	0.24	3,493	184.21	0.32
29.60	0.24	3,465	184.21	0.31
29.70	0.23	3,437	184.21	0.31
29.80	0.23	3,410	184.21	0.30
29.90	0.22	3,384	184.20	0.30
30.00	0.22	3,357	184.20	0.29
30.10	0.22	3,332	184.20	0.29
30.20	0.22	3,306	184.20	0.28
30.30	0.21	3,282	184.20	0.28
30.40	0.21	3,257	184.20	0.28
30.50	0.21	3,234	184.20	0.27
30.60	0.21	3,211	184.19	0.27
30.70	0.20	3,189	184.19	0.26
30.80	0.20	3,167	184.19	0.26
30.90	0.20	3,146	184.19	0.26
31.00	0.20	3,126	184.19	0.25
31.10	0.20	3,106	184.19	0.25

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.19	3,086	184.19	0.25
31.30	0.19	3,068	184.19	0.24
31.40	0.19	3,049	184.18	0.24
31.50	0.19	3,032	184.18	0.24
31.60	0.19	3,015	184.18	0.23
31.70	0.19	2,998	184.18	0.23
31.80	0.18	2,982	184.18	0.23
31.90	0.18	2,967	184.18	0.23
32.00	0.18	2,952	184.18	0.22
32.10	0.18	2,937	184.18	0.22
32.20	0.18	2,922	184.18	0.22
32.30	0.18	2,907	184.18	0.22
32.40	0.18	2,893	184.17	0.22
32.50	0.18	2,879	184.17	0.21
32.60	0.17	2,865	184.17	0.21
32.70	0.17	2,851	184.17	0.21
32.80	0.17	2,837	184.17	0.21
32.90	0.17	2,824	184.17	0.21
33.00	0.17	2,811	184.17	0.21
33.10	0.17	2,798	184.17	0.20
33.20	0.17	2,785	184.17	0.20
33.30	0.17	2,772	184.17	0.20
33.40	0.17	2,760	184.17	0.20
33.50	0.16	2,748	184.17	0.20
33.60	0.16	2,736	184.17	0.20
33.70	0.16	2,724	184.16	0.20
33.80	0.16	2,712	184.16	0.19
33.90	0.16	2,700	184.16	0.19
34.00	0.16	2,689	184.16	0.19
34.10	0.16	2,677	184.16	0.19
34.20	0.16	2,666	184.16	0.19
34.30	0.16	2,655	184.16	0.19
34.40	0.16	2,644	184.16	0.19
34.50	0.15	2,634	184.16	0.18
34.60	0.15	2,623	184.16	0.18
34.70	0.15	2,612	184.16	0.18
34.80	0.15	2,602	184.16	0.18
34.90	0.15	2,592	184.16	0.18
35.00	0.15	2,582	184.16	0.18
35.10	0.15	2,572	184.16	0.18
35.20	0.15	2,562	184.15	0.17
35.30	0.15	2,552	184.15	0.17
35.40	0.15	2,542	184.15	0.17
35.50	0.14	2,533	184.15	0.17
35.60	0.14	2,523	184.15	0.17
35.70	0.14	2,514	184.15	0.17
35.80	0.14	2,505	184.15	0.17
35.90	0.14	2,496	184.15	0.17
36.00	0.14	2,487	184.15	0.17
36.10	0.14	2,478	184.15	0.16
36.20	0.14	2,469	184.15	0.16
36.30	0.14	2,460	184.15	0.16

Hydrograph for Pond B-51: Basin #51 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.14	2,451	184.15	0.16
36.50	0.14	2,443	184.15	0.16
36.60	0.13	2,434	184.15	0.16
36.70	0.13	2,426	184.15	0.16
36.80	0.13	2,417	184.15	0.16
36.90	0.13	2,409	184.15	0.16
37.00	0.13	2,400	184.15	0.15
37.10	0.13	2,392	184.14	0.15
37.20	0.13	2,384	184.14	0.15
37.30	0.13	2,376	184.14	0.15
37.40	0.13	2,367	184.14	0.15
37.50	0.13	2,359	184.14	0.15
37.60	0.13	2,351	184.14	0.15
37.70	0.12	2,343	184.14	0.15
37.80	0.12	2,335	184.14	0.15
37.90	0.12	2,327	184.14	0.15
38.00	0.12	2,319	184.14	0.14
38.10	0.12	2,311	184.14	0.14
38.20	0.12	2,304	184.14	0.14
38.30	0.12	2,296	184.14	0.14
38.40	0.12	2,288	184.14	0.14
38.50	0.12	2,280	184.14	0.14
38.60	0.12	2,272	184.14	0.14
38.70	0.12	2,265	184.14	0.14
38.80	0.11	2,257	184.14	0.14
38.90	0.11	2,249	184.14	0.14
39.00	0.11	2,242	184.14	0.13
39.10	0.11	2,234	184.14	0.13
39.20	0.11	2,227	184.13	0.13
39.30	0.11	2,219	184.13	0.13
39.40	0.11	2,211	184.13	0.13
39.50	0.11	2,204	184.13	0.13
39.60	0.11	2,196	184.13	0.13
39.70	0.11	2,189	184.13	0.13
39.80	0.11	2,181	184.13	0.13
39.90	0.10	2,174	184.13	0.13
40.00	0.10	2,166	184.13	0.12

Stage-Discharge for Pond B-51: Basin #51

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
184.00	0.00	184.52	1.81	185.04	6.71	185.56	10.99
184.01	0.00	184.53	1.88	185.05	6.83	185.57	11.05
184.02	0.00	184.54	1.95	185.06	6.94	185.58	11.10
184.03	0.01	184.55	2.02	185.07	7.06	185.59	11.15
184.04	0.01	184.56	2.09	185.08	7.19	185.60	11.21
184.05	0.02	184.57	2.17	185.09	7.31	185.61	11.26
184.06	0.03	184.58	2.24	185.10	7.43	185.62	11.31
184.07	0.03	184.59	2.31	185.11	7.55	185.63	11.37
184.08	0.05	184.60	2.39	185.12	7.67	185.64	11.42
184.09	0.06	184.61	2.47	185.13	7.80	185.65	11.47
184.10	0.07	184.62	2.54	185.14	7.92	185.66	11.52
184.11	0.09	184.63	2.62	185.15	8.05	185.67	11.57
184.12	0.10	184.64	2.70	185.16	8.18	185.68	11.63
184.13	0.12	184.65	2.78	185.17	8.30	185.69	11.68
184.14	0.14	184.66	2.87	185.18	8.43	185.70	11.73
184.15	0.16	184.67	2.95	185.19	8.56	185.71	11.78
184.16	0.18	184.68	3.03	185.20	8.69	185.72	11.83
184.17	0.20	184.69	3.12	185.21	8.82	185.73	11.88
184.18	0.23	184.70	3.21	185.22	8.92	185.74	11.93
184.19	0.25	184.71	3.29	185.23	8.99	185.75	11.98
184.20	0.28	184.72	3.38	185.24	9.06	185.76	12.03
184.21	0.31	184.73	3.47	185.25	9.12	185.77	12.08
184.22	0.34	184.74	3.56	185.26	9.19	185.78	12.13
184.23	0.37	184.75	3.65	185.27	9.26	185.79	12.18
184.24	0.40	184.76	3.74	185.28	9.32	185.80	12.23
184.25	0.43	184.77	3.84	185.29	9.39	185.81	12.27
184.26	0.47	184.78	3.93	185.30	9.45	185.82	12.32
184.27	0.51	184.79	4.03	185.31	9.52	185.83	12.37
184.28	0.54	184.80	4.12	185.32	9.58	185.84	12.42
184.29	0.58	184.81	4.22	185.33	9.65	185.85	12.47
184.30	0.62	184.82	4.32	185.34	9.71	185.86	12.51
184.31	0.66	184.83	4.42	185.35	9.77	185.87	12.56
184.32	0.71	184.84	4.52	185.36	9.83	185.88	12.61
184.33	0.75	184.85	4.62	185.37	9.89	185.89	12.66
184.34	0.80	184.86	4.72	185.38	9.96	185.90	12.70
184.35	0.84	184.87	4.82	185.39	10.02	185.91	12.75
184.36	0.89	184.88	4.93	185.40	10.08	185.92	12.80
184.37	0.94	184.89	5.03	185.41	10.14	185.93	12.84
184.38	0.99	184.90	5.14	185.42	10.20	185.94	12.89
184.39	1.04	184.91	5.25	185.43	10.26	185.95	12.93
184.40	1.09	184.92	5.35	185.44	10.31	185.96	12.98
184.41	1.15	184.93	5.46	185.45	10.37	185.97	13.02
184.42	1.20	184.94	5.57	185.46	10.43	185.98	13.07
184.43	1.26	184.95	5.68	185.47	10.49	185.99	13.12
184.44	1.31	184.96	5.79	185.48	10.55	186.00	13.16
184.45	1.37	184.97	5.90	185.49	10.60	186.01	13.21
184.46	1.43	184.98	6.02	185.50	10.66	186.02	13.25
184.47	1.49	184.99	6.13	185.51	10.71	186.03	13.30
184.48	1.55	185.00	6.24	185.52	10.77	186.04	13.34
184.49	1.62	185.01	6.36	185.53	10.83	186.05	13.38
184.50	1.68	185.02	6.47	185.54	10.88	186.06	13.43
184.51	1.75	185.03	6.59	185.55	10.94	186.07	13.47

Stage-Discharge for Pond B-51: Basin #51 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
186.08	13.52	186.60	15.62	187.12	17.48	187.64	19.15
186.09	13.56	186.61	15.66	187.13	17.51	187.65	19.18
186.10	13.60	186.62	15.70	187.14	17.54	187.66	19.21
186.11	13.65	186.63	15.74	187.15	17.58	187.67	19.24
186.12	13.69	186.64	15.77	187.16	17.61	187.68	19.27
186.13	13.73	186.65	15.81	187.17	17.64	187.69	19.30
186.14	13.78	186.66	15.85	187.18	17.68	187.70	19.33
186.15	13.82	186.67	15.89	187.19	17.71	187.71	19.36
186.16	13.86	186.68	15.92	187.20	17.74	187.72	19.39
186.17	13.90	186.69	15.96	187.21	17.78	187.73	19.42
186.18	13.95	186.70	16.00	187.22	17.81	187.74	19.45
186.19	13.99	186.71	16.03	187.23	17.84	187.75	19.48
186.20	14.03	186.72	16.07	187.24	17.88	187.76	19.51
186.21	14.07	186.73	16.11	187.25	17.91	187.77	19.54
186.22	14.12	186.74	16.14	187.26	17.94	187.78	19.57
186.23	14.16	186.75	16.18	187.27	17.97	187.79	19.60
186.24	14.20	186.76	16.22	187.28	18.01	187.80	19.63
186.25	14.24	186.77	16.25	187.29	18.04	187.81	19.66
186.26	14.28	186.78	16.29	187.30	18.07	187.82	19.69
186.27	14.32	186.79	16.33	187.31	18.10	187.83	19.72
186.28	14.36	186.80	16.36	187.32	18.14	187.84	19.75
186.29	14.41	186.81	16.40	187.33	18.17	187.85	19.78
186.30	14.45	186.82	16.43	187.34	18.20	187.86	19.81
186.31	14.49	186.83	16.47	187.35	18.23	187.87	19.84
186.32	14.53	186.84	16.50	187.36	18.27	187.88	19.87
186.33	14.57	186.85	16.54	187.37	18.30	187.89	19.90
186.34	14.61	186.86	16.58	187.38	18.33	187.90	19.93
186.35	14.65	186.87	16.61	187.39	18.36	187.91	19.96
186.36	14.69	186.88	16.65	187.40	18.39	187.92	19.99
186.37	14.73	186.89	16.68	187.41	18.43	187.93	20.02
186.38	14.77	186.90	16.72	187.42	18.46	187.94	20.05
186.39	14.81	186.91	16.75	187.43	18.49	187.95	20.08
186.40	14.85	186.92	16.79	187.44	18.52	187.96	20.11
186.41	14.89	186.93	16.82	187.45	18.55	187.97	20.13
186.42	14.93	186.94	16.86	187.46	18.59	187.98	20.16
186.43	14.97	186.95	16.89	187.47	18.62	187.99	20.19
186.44	15.01	186.96	16.93	187.48	18.65	188.00	20.22
186.45	15.05	186.97	16.96	187.49	18.68	188.01	20.25
186.46	15.09	186.98	17.00	187.50	18.71	188.02	20.28
186.47	15.13	186.99	17.03	187.51	18.74	188.03	20.31
186.48	15.16	187.00	17.07	187.52	18.77	188.04	20.34
186.49	15.20	187.01	17.10	187.53	18.81	188.05	20.37
186.50	15.24	187.02	17.14	187.54	18.84	188.06	20.40
186.51	15.28	187.03	17.17	187.55	18.87	188.07	20.42
186.52	15.32	187.04	17.20	187.56	18.90	188.08	20.45
186.53	15.36	187.05	17.24	187.57	18.93	188.09	20.48
186.54	15.40	187.06	17.27	187.58	18.96	188.10	20.51
186.55	15.43	187.07	17.31	187.59	18.99	188.11	20.54
186.56	15.47	187.08	17.34	187.60	19.02	188.12	20.57
186.57	15.51	187.09	17.37	187.61	19.05	188.13	20.60
186.58	15.55	187.10	17.41	187.62	19.08	188.14	20.62
186.59	15.59	187.11	17.44	187.63	19.12	188.15	20.65

Stage-Discharge for Pond B-51: Basin #51 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
188.16	20.68	188.68	22.11	189.20	25.79	189.72	52.99
188.17	20.71	188.69	22.14	189.21	25.99	189.73	54.24
188.18	20.74	188.70	22.16	189.22	26.20	189.74	55.52
188.19	20.77	188.71	22.19	189.23	26.41	189.75	56.83
188.20	20.79	188.72	22.22	189.24	26.63	189.76	58.17
188.21	20.82	188.73	22.24	189.25	26.85	189.77	59.54
188.22	20.85	188.74	22.27	189.26	27.07	189.78	60.93
188.23	20.88	188.75	22.29	189.27	27.30	189.79	62.35
188.24	20.91	188.76	22.32	189.28	27.53	189.80	63.80
188.25	20.94	188.77	22.35	189.29	27.76	189.81	65.27
188.26	20.96	188.78	22.37	189.30	28.00	189.82	66.77
188.27	20.99	188.79	22.40	189.31	28.24	189.83	68.29
188.28	21.02	188.80	22.43	189.32	28.48	189.84	69.84
188.29	21.05	188.81	22.45	189.33	28.73	189.85	71.42
188.30	21.08	188.82	22.48	189.34	28.99	189.86	73.03
188.31	21.10	188.83	22.50	189.35	29.24	189.87	74.66
188.32	21.13	188.84	22.53	189.36	29.50	189.88	76.32
188.33	21.16	188.85	22.56	189.37	29.76	189.89	78.00
188.34	21.19	188.86	22.58	189.38	30.03	189.90	79.71
188.35	21.21	188.87	22.61	189.39	30.29	189.91	81.47
188.36	21.24	188.88	22.63	189.40	30.56	189.92	83.26
188.37	21.27	188.89	22.66	189.41	30.84	189.93	85.08
188.38	21.30	188.90	22.69	189.42	31.12	189.94	86.93
188.39	21.33	188.91	22.71	189.43	31.40	189.95	88.80
188.40	21.35	188.92	22.74	189.44	31.68	189.96	90.70
188.41	21.38	188.93	22.76	189.45	31.97	189.97	92.64
188.42	21.41	188.94	22.79	189.46	32.25	189.98	94.60
188.43	21.44	188.95	22.82	189.47	32.55	189.99	96.58
188.44	21.46	188.96	22.84	189.48	32.84	190.00	**98.58**
188.45	21.49	188.97	22.87	189.49	33.14		
188.46	21.52	188.98	22.89	189.50	33.44		
188.47	21.54	188.99	22.92	189.51	33.86		
188.48	21.57	189.00	22.94	189.52	34.38		
188.49	21.60	189.01	23.00	189.53	34.97		
188.50	21.63	189.02	23.07	189.54	35.61		
188.51	21.65	189.03	23.16	189.55	36.29		
188.52	21.68	189.04	23.26	189.56	37.02		
188.53	21.71	189.05	23.36	189.57	37.79		
188.54	21.73	189.06	23.48	189.58	38.60		
188.55	21.76	189.07	23.61	189.59	39.44		
188.56	21.79	189.08	23.74	189.60	40.31		
188.57	21.82	189.09	23.88	189.61	41.21		
188.58	21.84	189.10	24.03	189.62	42.14		
188.59	21.87	189.11	24.18	189.63	43.10		
188.60	21.90	189.12	24.34	189.64	44.09		
188.61	21.92	189.13	24.50	189.65	45.11		
188.62	21.95	189.14	24.67	189.66	46.15		
188.63	21.98	189.15	24.84	189.67	47.21		
188.64	22.00	189.16	25.02	189.68	48.30		
188.65	22.03	189.17	25.21	189.69	49.42		
188.66	22.06	189.18	25.40	189.70	50.56		
188.67	22.08	189.19	25.59	189.71	51.76		

Stage-Area-Storage for Pond B-51: Basin #51

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
184.00	**16,548**	0	184.52	16,548	8,605
184.01	16,548	165	184.53	16,548	8,770
184.02	16,548	331	184.54	16,548	8,936
184.03	16,548	496	184.55	16,548	9,101
184.04	16,548	662	184.56	16,548	9,267
184.05	16,548	827	184.57	16,548	9,432
184.06	16,548	993	184.58	16,548	9,598
184.07	16,548	1,158	184.59	16,548	9,763
184.08	16,548	1,324	184.60	16,548	9,929
184.09	16,548	1,489	184.61	16,548	10,094
184.10	16,548	1,655	184.62	16,548	10,260
184.11	16,548	1,820	184.63	16,548	10,425
184.12	16,548	1,986	184.64	16,548	10,591
184.13	16,548	2,151	184.65	16,548	10,756
184.14	16,548	2,317	184.66	16,548	10,922
184.15	16,548	2,482	184.67	16,548	11,087
184.16	16,548	2,648	184.68	16,548	11,253
184.17	16,548	2,813	184.69	16,548	11,418
184.18	16,548	2,979	184.70	16,548	11,584
184.19	16,548	3,144	184.71	16,548	11,749
184.20	16,548	3,310	184.72	16,548	11,915
184.21	16,548	3,475	184.73	16,548	12,080
184.22	16,548	3,641	184.74	16,548	12,246
184.23	16,548	3,806	184.75	16,548	12,411
184.24	16,548	3,972	184.76	16,548	12,576
184.25	16,548	4,137	184.77	16,548	12,742
184.26	16,548	4,302	184.78	16,548	12,907
184.27	16,548	4,468	184.79	16,548	13,073
184.28	16,548	4,633	184.80	16,548	13,238
184.29	16,548	4,799	184.81	16,548	13,404
184.30	16,548	4,964	184.82	16,548	13,569
184.31	16,548	5,130	184.83	16,548	13,735
184.32	16,548	5,295	184.84	16,548	13,900
184.33	16,548	5,461	184.85	16,548	14,066
184.34	16,548	5,626	184.86	16,548	14,231
184.35	16,548	5,792	184.87	16,548	14,397
184.36	16,548	5,957	184.88	16,548	14,562
184.37	16,548	6,123	184.89	16,548	14,728
184.38	16,548	6,288	184.90	16,548	14,893
184.39	16,548	6,454	184.91	16,548	15,059
184.40	16,548	6,619	184.92	16,548	15,224
184.41	16,548	6,785	184.93	16,548	15,390
184.42	16,548	6,950	184.94	16,548	15,555
184.43	16,548	7,116	184.95	16,548	15,721
184.44	16,548	7,281	184.96	16,548	15,886
184.45	16,548	7,447	184.97	16,548	16,052
184.46	16,548	7,612	184.98	16,548	16,217
184.47	16,548	7,778	184.99	16,548	16,383
184.48	16,548	7,943	185.00	16,548	16,548
184.49	16,548	8,109	185.01	16,548	16,713
184.50	16,548	8,274	185.02	16,548	16,879
184.51	16,548	8,439	185.03	16,548	17,044

Stage-Area-Storage for Pond B-51: Basin #51 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
185.04	16,548	17,210	185.56	16,548	25,815
185.05	16,548	17,375	185.57	16,548	25,980
185.06	16,548	17,541	185.58	16,548	26,146
185.07	16,548	17,706	185.59	16,548	26,311
185.08	16,548	17,872	185.60	16,548	26,477
185.09	16,548	18,037	185.61	16,548	26,642
185.10	16,548	18,203	185.62	16,548	26,808
185.11	16,548	18,368	185.63	16,548	26,973
185.12	16,548	18,534	185.64	16,548	27,139
185.13	16,548	18,699	185.65	16,548	27,304
185.14	16,548	18,865	185.66	16,548	27,470
185.15	16,548	19,030	185.67	16,548	27,635
185.16	16,548	19,196	185.68	16,548	27,801
185.17	16,548	19,361	185.69	16,548	27,966
185.18	16,548	19,527	185.70	16,548	28,132
185.19	16,548	19,692	185.71	16,548	28,297
185.20	16,548	19,858	185.72	16,548	28,463
185.21	16,548	20,023	185.73	16,548	28,628
185.22	16,548	20,189	185.74	16,548	28,794
185.23	16,548	20,354	185.75	16,548	28,959
185.24	16,548	20,520	185.76	16,548	29,124
185.25	16,548	20,685	185.77	16,548	29,290
185.26	16,548	20,850	185.78	16,548	29,455
185.27	16,548	21,016	185.79	16,548	29,621
185.28	16,548	21,181	185.80	16,548	29,786
185.29	16,548	21,347	185.81	16,548	29,952
185.30	16,548	21,512	185.82	16,548	30,117
185.31	16,548	21,678	185.83	16,548	30,283
185.32	16,548	21,843	185.84	16,548	30,448
185.33	16,548	22,009	185.85	16,548	30,614
185.34	16,548	22,174	185.86	16,548	30,779
185.35	16,548	22,340	185.87	16,548	30,945
185.36	16,548	22,505	185.88	16,548	31,110
185.37	16,548	22,671	185.89	16,548	31,276
185.38	16,548	22,836	185.90	16,548	31,441
185.39	16,548	23,002	185.91	16,548	31,607
185.40	16,548	23,167	185.92	16,548	31,772
185.41	16,548	23,333	185.93	16,548	31,938
185.42	16,548	23,498	185.94	16,548	32,103
185.43	16,548	23,664	185.95	16,548	32,269
185.44	16,548	23,829	185.96	16,548	32,434
185.45	16,548	23,995	185.97	16,548	32,600
185.46	16,548	24,160	185.98	16,548	32,765
185.47	16,548	24,326	185.99	16,548	32,931
185.48	16,548	24,491	186.00	16,548	33,096
185.49	16,548	24,657	186.01	16,548	33,261
185.50	16,548	24,822	186.02	16,548	33,427
185.51	16,548	24,987	186.03	16,548	33,592
185.52	16,548	25,153	186.04	16,548	33,758
185.53	16,548	25,318	186.05	16,548	33,923
185.54	16,548	25,484	186.06	16,548	34,089
185.55	16,548	25,649	186.07	16,548	34,254

Stage-Area-Storage for Pond B-51: Basin #51 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
186.08	16,548	34,420	186.60	16,548	43,025
186.09	16,548	34,585	186.61	16,548	43,190
186.10	16,548	34,751	186.62	16,548	43,356
186.11	16,548	34,916	186.63	16,548	43,521
186.12	16,548	35,082	186.64	16,548	43,687
186.13	16,548	35,247	186.65	16,548	43,852
186.14	16,548	35,413	186.66	16,548	44,018
186.15	16,548	35,578	186.67	16,548	44,183
186.16	16,548	35,744	186.68	16,548	44,349
186.17	16,548	35,909	186.69	16,548	44,514
186.18	16,548	36,075	186.70	16,548	44,680
186.19	16,548	36,240	186.71	16,548	44,845
186.20	16,548	36,406	186.72	16,548	45,011
186.21	16,548	36,571	186.73	16,548	45,176
186.22	16,548	36,737	186.74	16,548	45,342
186.23	16,548	36,902	186.75	16,548	45,507
186.24	16,548	37,068	186.76	16,548	45,672
186.25	16,548	37,233	186.77	16,548	45,838
186.26	16,548	37,398	186.78	16,548	46,003
186.27	16,548	37,564	186.79	16,548	46,169
186.28	16,548	37,729	186.80	16,548	46,334
186.29	16,548	37,895	186.81	16,548	46,500
186.30	16,548	38,060	186.82	16,548	46,665
186.31	16,548	38,226	186.83	16,548	46,831
186.32	16,548	38,391	186.84	16,548	46,996
186.33	16,548	38,557	186.85	16,548	47,162
186.34	16,548	38,722	186.86	16,548	47,327
186.35	16,548	38,888	186.87	16,548	47,493
186.36	16,548	39,053	186.88	16,548	47,658
186.37	16,548	39,219	186.89	16,548	47,824
186.38	16,548	39,384	186.90	16,548	47,989
186.39	16,548	39,550	186.91	16,548	48,155
186.40	16,548	39,715	186.92	16,548	48,320
186.41	16,548	39,881	186.93	16,548	48,486
186.42	16,548	40,046	186.94	16,548	48,651
186.43	16,548	40,212	186.95	16,548	48,817
186.44	16,548	40,377	186.96	16,548	48,982
186.45	16,548	40,543	186.97	16,548	49,148
186.46	16,548	40,708	186.98	16,548	49,313
186.47	16,548	40,874	186.99	16,548	49,479
186.48	16,548	41,039	187.00	16,548	49,644
186.49	16,548	41,205	187.01	16,548	49,809
186.50	16,548	41,370	187.02	16,548	49,975
186.51	16,548	41,535	187.03	16,548	50,140
186.52	16,548	41,701	187.04	16,548	50,306
186.53	16,548	41,866	187.05	16,548	50,471
186.54	16,548	42,032	187.06	16,548	50,637
186.55	16,548	42,197	187.07	16,548	50,802
186.56	16,548	42,363	187.08	16,548	50,968
186.57	16,548	42,528	187.09	16,548	51,133
186.58	16,548	42,694	187.10	16,548	51,299
186.59	16,548	42,859	187.11	16,548	51,464

Stage-Area-Storage for Pond B-51: Basin #51 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
187.12	16,548	51,630	187.64	16,548	60,235
187.13	16,548	51,795	187.65	16,548	60,400
187.14	16,548	51,961	187.66	16,548	60,566
187.15	16,548	52,126	187.67	16,548	60,731
187.16	16,548	52,292	187.68	16,548	60,897
187.17	16,548	52,457	187.69	16,548	61,062
187.18	16,548	52,623	187.70	16,548	61,228
187.19	16,548	52,788	187.71	16,548	61,393
187.20	16,548	52,954	187.72	16,548	61,559
187.21	16,548	53,119	187.73	16,548	61,724
187.22	16,548	53,285	187.74	16,548	61,890
187.23	16,548	53,450	187.75	16,548	62,055
187.24	16,548	53,616	187.76	16,548	62,220
187.25	16,548	53,781	187.77	16,548	62,386
187.26	16,548	53,946	187.78	16,548	62,551
187.27	16,548	54,112	187.79	16,548	62,717
187.28	16,548	54,277	187.80	16,548	62,882
187.29	16,548	54,443	187.81	16,548	63,048
187.30	16,548	54,608	187.82	16,548	63,213
187.31	16,548	54,774	187.83	16,548	63,379
187.32	16,548	54,939	187.84	16,548	63,544
187.33	16,548	55,105	187.85	16,548	63,710
187.34	16,548	55,270	187.86	16,548	63,875
187.35	16,548	55,436	187.87	16,548	64,041
187.36	16,548	55,601	187.88	16,548	64,206
187.37	16,548	55,767	187.89	16,548	64,372
187.38	16,548	55,932	187.90	16,548	64,537
187.39	16,548	56,098	187.91	16,548	64,703
187.40	16,548	56,263	187.92	16,548	64,868
187.41	16,548	56,429	187.93	16,548	65,034
187.42	16,548	56,594	187.94	16,548	65,199
187.43	16,548	56,760	187.95	16,548	65,365
187.44	16,548	56,925	187.96	16,548	65,530
187.45	16,548	57,091	187.97	16,548	65,696
187.46	16,548	57,256	187.98	16,548	65,861
187.47	16,548	57,422	187.99	16,548	66,027
187.48	16,548	57,587	188.00	16,548	66,192
187.49	16,548	57,753	188.01	16,548	66,357
187.50	16,548	57,918	188.02	16,548	66,523
187.51	16,548	58,083	188.03	16,548	66,688
187.52	16,548	58,249	188.04	16,548	66,854
187.53	16,548	58,414	188.05	16,548	67,019
187.54	16,548	58,580	188.06	16,548	67,185
187.55	16,548	58,745	188.07	16,548	67,350
187.56	16,548	58,911	188.08	16,548	67,516
187.57	16,548	59,076	188.09	16,548	67,681
187.58	16,548	59,242	188.10	16,548	67,847
187.59	16,548	59,407	188.11	16,548	68,012
187.60	16,548	59,573	188.12	16,548	68,178
187.61	16,548	59,738	188.13	16,548	68,343
187.62	16,548	59,904	188.14	16,548	68,509
187.63	16,548	60,069	188.15	16,548	68,674

Stage-Area-Storage for Pond B-51: Basin #51 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
188.16	16,548	68,840	188.68	16,548	77,445
188.17	16,548	69,005	188.69	16,548	77,610
188.18	16,548	69,171	188.70	16,548	77,776
188.19	16,548	69,336	188.71	16,548	77,941
188.20	16,548	69,502	188.72	16,548	78,107
188.21	16,548	69,667	188.73	16,548	78,272
188.22	16,548	69,833	188.74	16,548	78,438
188.23	16,548	69,998	188.75	16,548	78,603
188.24	16,548	70,164	188.76	16,548	78,768
188.25	16,548	70,329	188.77	16,548	78,934
188.26	16,548	70,494	188.78	16,548	79,099
188.27	16,548	70,660	188.79	16,548	79,265
188.28	16,548	70,825	188.80	16,548	79,430
188.29	16,548	70,991	188.81	16,548	79,596
188.30	16,548	71,156	188.82	16,548	79,761
188.31	16,548	71,322	188.83	16,548	79,927
188.32	16,548	71,487	188.84	16,548	80,092
188.33	16,548	71,653	188.85	16,548	80,258
188.34	16,548	71,818	188.86	16,548	80,423
188.35	16,548	71,984	188.87	16,548	80,589
188.36	16,548	72,149	188.88	16,548	80,754
188.37	16,548	72,315	188.89	16,548	80,920
188.38	16,548	72,480	188.90	16,548	81,085
188.39	16,548	72,646	188.91	16,548	81,251
188.40	16,548	72,811	188.92	16,548	81,416
188.41	16,548	72,977	188.93	16,548	81,582
188.42	16,548	73,142	188.94	16,548	81,747
188.43	16,548	73,308	188.95	16,548	81,913
188.44	16,548	73,473	188.96	16,548	82,078
188.45	16,548	73,639	188.97	16,548	82,244
188.46	16,548	73,804	188.98	16,548	82,409
188.47	16,548	73,970	188.99	16,548	82,575
188.48	16,548	74,135	189.00	16,548	82,740
188.49	16,548	74,301	189.01	16,548	82,905
188.50	16,548	74,466	189.02	16,548	83,071
188.51	16,548	74,631	189.03	16,548	83,236
188.52	16,548	74,797	189.04	16,548	83,402
188.53	16,548	74,962	189.05	16,548	83,567
188.54	16,548	75,128	189.06	16,548	83,733
188.55	16,548	75,293	189.07	16,548	83,898
188.56	16,548	75,459	189.08	16,548	84,064
188.57	16,548	75,624	189.09	16,548	84,229
188.58	16,548	75,790	189.10	16,548	84,395
188.59	16,548	75,955	189.11	16,548	84,560
188.60	16,548	76,121	189.12	16,548	84,726
188.61	16,548	76,286	189.13	16,548	84,891
188.62	16,548	76,452	189.14	16,548	85,057
188.63	16,548	76,617	189.15	16,548	85,222
188.64	16,548	76,783	189.16	16,548	85,388
188.65	16,548	76,948	189.17	16,548	85,553
188.66	16,548	77,114	189.18	16,548	85,719
188.67	16,548	77,279	189.19	16,548	85,884

Stage-Area-Storage for Pond B-51: Basin #51 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
189.20	16,548	86,050
189.21	16,548	86,215
189.22	16,548	86,381
189.23	16,548	86,546
189.24	16,548	86,712
189.25	16,548	86,877
189.26	16,548	87,042
189.27	16,548	87,208
189.28	16,548	87,373
189.29	16,548	87,539
189.30	16,548	87,704
189.31	16,548	87,870
189.32	16,548	88,035
189.33	16,548	88,201
189.34	16,548	88,366
189.35	16,548	88,532
189.36	16,548	88,697
189.37	16,548	88,863
189.38	16,548	89,028
189.39	16,548	89,194
189.40	16,548	89,359
189.41	16,548	89,525
189.42	16,548	89,690
189.43	16,548	89,856
189.44	16,548	90,021
189.45	16,548	90,187
189.46	16,548	90,352
189.47	16,548	90,518
189.48	16,548	90,683
189.49	16,548	90,849
189.50	16,548	91,014
189.51	16,548	91,179
189.52	16,548	91,345
189.53	16,548	91,510
189.54	16,548	91,676
189.55	16,548	91,841
189.56	16,548	92,007
189.57	16,548	92,172
189.58	16,548	92,338
189.59	16,548	92,503
189.60	16,548	92,669
189.61	16,548	92,834
189.62	16,548	93,000
189.63	16,548	93,165
189.64	16,548	93,331
189.65	16,548	93,496
189.66	16,548	93,662
189.67	16,548	93,827
189.68	16,548	93,993
189.69	16,548	94,158
189.70	16,548	94,324
189.71	16,548	94,489
189.72	16,548	94,655
189.73	16,548	94,820
189.74	16,548	94,986
189.75	16,548	95,151
189.76	16,548	95,316
189.77	16,548	95,482
189.78	16,548	95,647
189.79	16,548	95,813
189.80	16,548	95,978
189.81	16,548	96,144
189.82	16,548	96,309
189.83	16,548	96,475
189.84	16,548	96,640
189.85	16,548	96,806
189.86	16,548	96,971
189.87	16,548	97,137
189.88	16,548	97,302
189.89	16,548	97,468
189.90	16,548	97,633
189.91	16,548	97,799
189.92	16,548	97,964
189.93	16,548	98,130
189.94	16,548	98,295
189.95	16,548	98,461
189.96	16,548	98,626
189.97	16,548	98,792
189.98	16,548	98,957
189.99	16,548	99,123
190.00	16,548	**99,288**

Summary for Pond B-52: Basin #52

Inflow Area = 1.423 ac, 34.43% Impervious, Inflow Depth = 8.78" for Future 100 yr event
Inflow = 10.97 cfs @ 12.09 hrs, Volume= 1.041 af
Outflow = 9.52 cfs @ 12.16 hrs, Volume= 0.992 af, Atten= 13%, Lag= 4.0 min
Primary = 9.52 cfs @ 12.16 hrs, Volume= 0.992 af
Routed to Pond B-51 : Basin #51

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 197.20' @ 12.15 hrs Surf.Area= 2,941 sf Storage= 6,838 cf

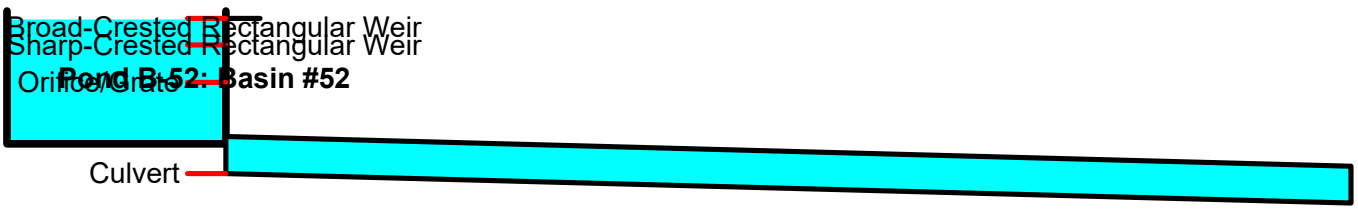
Plug-Flow detention time= 113.9 min calculated for 0.992 af (95% of inflow)
Center-of-Mass det. time= 86.3 min (865.7 - 779.4)

Volume	Invert	Avail.Storage	Storage Description
#1	193.00'	7,751 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

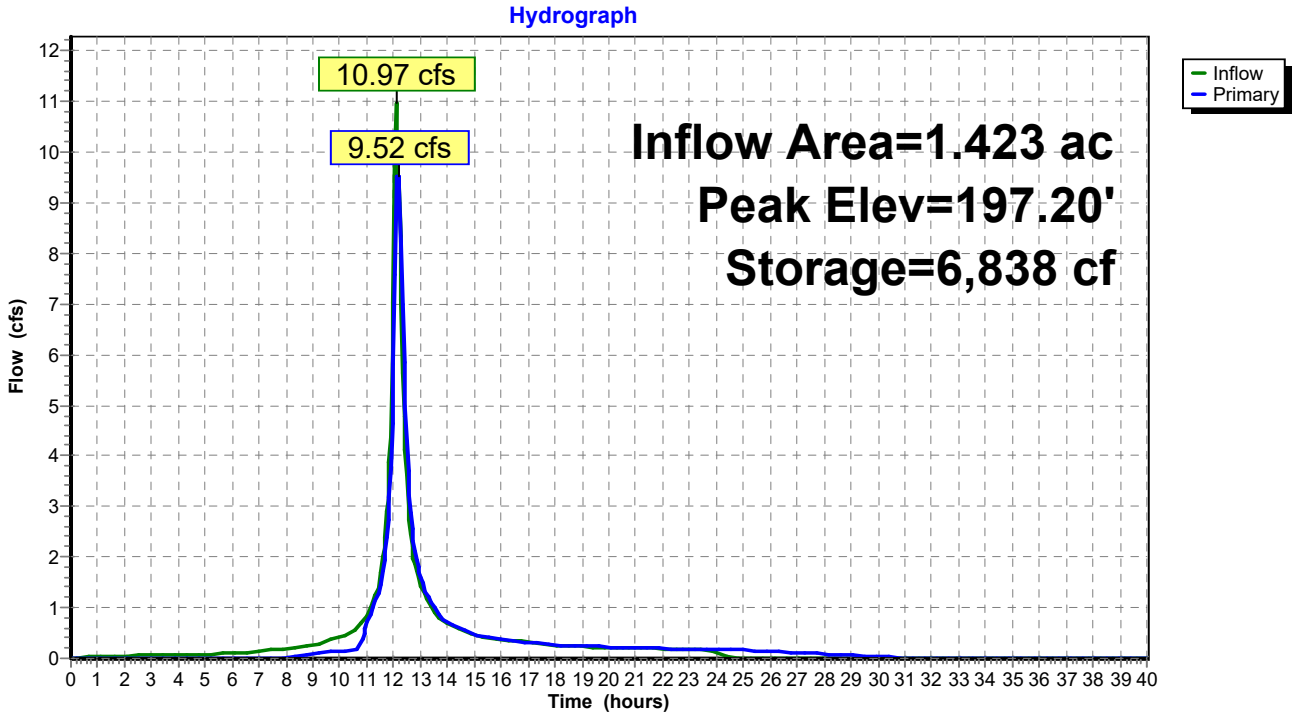
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
193.00	474	0	0
194.00	970	722	722
195.00	1,523	1,247	1,969
196.00	2,133	1,828	3,797
197.00	2,799	2,466	6,263
197.50	3,154	1,488	7,751

Device	Routing	Invert	Outlet Devices
#1	Primary	192.00'	**15.0" Round Culvert** L= 163.0' Ke= 0.500 Inlet / Outlet Invert= 192.00' / 191.00' S= 0.0061 '/' Cc= 0.900 n= 0.013, Flow Area= 1.23 sf
#2	Device 1	195.08'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	196.35'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	197.25'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=9.51 cfs @ 12.16 hrs HW=197.20' (Free Discharge)
- **1=Culvert** (Barrel Controls 9.51 cfs @ 7.75 fps)
  - **2=Orifice/Grate** (Passes < 0.23 cfs potential flow)
  - **3=Sharp-Crested Rectangular Weir** (Passes < 9.77 cfs potential flow)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-52: Basin #52



Hydrograph for Pond B-52: Basin #52

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	193.00	0.00
0.10	0.00	0	193.00	0.00
0.20	0.00	0	193.00	0.00
0.30	0.00	0	193.00	0.00
0.40	0.00	0	193.00	0.00
0.50	0.01	2	193.00	0.00
0.60	0.01	6	193.01	0.00
0.70	0.02	12	193.02	0.00
0.80	0.02	19	193.04	0.00
0.90	0.03	28	193.06	0.00
1.00	0.03	38	193.08	0.00
1.10	0.03	49	193.10	0.00
1.20	0.03	60	193.12	0.00
1.30	0.04	73	193.14	0.00
1.40	0.04	87	193.17	0.00
1.50	0.04	101	193.19	0.00
1.60	0.04	117	193.22	0.00
1.70	0.04	132	193.25	0.00
1.80	0.05	149	193.27	0.00
1.90	0.05	166	193.30	0.00
2.00	0.05	184	193.33	0.00
2.10	0.05	202	193.36	0.00
2.20	0.05	221	193.39	0.00
2.30	0.05	240	193.42	0.00
2.40	0.06	259	193.44	0.00
2.50	0.06	280	193.47	0.00
2.60	0.06	300	193.50	0.00
2.70	0.06	321	193.53	0.00
2.80	0.06	342	193.56	0.00
2.90	0.06	364	193.59	0.00
3.00	0.06	386	193.62	0.00
3.10	0.06	408	193.64	0.00
3.20	0.06	431	193.67	0.00
3.30	0.06	454	193.70	0.00
3.40	0.07	478	193.73	0.00
3.50	0.07	502	193.76	0.00
3.60	0.07	526	193.79	0.00
3.70	0.07	550	193.81	0.00
3.80	0.07	575	193.84	0.00
3.90	0.07	600	193.87	0.00
4.00	0.07	625	193.90	0.00
4.10	0.07	650	193.92	0.00
4.20	0.07	676	193.95	0.00
4.30	0.07	702	193.98	0.00
4.40	0.07	729	194.01	0.00
4.50	0.07	755	194.03	0.00
4.60	0.07	782	194.06	0.00
4.70	0.08	809	194.09	0.00
4.80	0.08	837	194.11	0.00
4.90	0.08	865	194.14	0.00
5.00	0.08	892	194.17	0.00
5.10	0.08	921	194.19	0.00

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.08	949	194.22	0.00
5.30	0.08	978	194.25	0.00
5.40	0.08	1,008	194.27	0.00
5.50	0.09	1,038	194.30	0.00
5.60	0.09	1,070	194.33	0.00
5.70	0.09	1,102	194.36	0.00
5.80	0.09	1,135	194.38	0.00
5.90	0.09	1,168	194.41	0.00
6.00	0.10	1,203	194.44	0.00
6.10	0.10	1,238	194.47	0.00
6.20	0.10	1,275	194.50	0.00
6.30	0.11	1,314	194.53	0.00
6.40	0.11	1,354	194.56	0.00
6.50	0.12	1,395	194.59	0.00
6.60	0.12	1,439	194.63	0.00
6.70	0.13	1,483	194.66	0.00
6.80	0.13	1,530	194.69	0.00
6.90	0.14	1,578	194.73	0.00
7.00	0.14	1,627	194.77	0.00
7.10	0.15	1,679	194.80	0.00
7.20	0.15	1,732	194.84	0.00
7.30	0.15	1,787	194.88	0.00
7.40	0.16	1,844	194.92	0.00
7.50	0.17	1,902	194.96	0.00
7.60	0.17	1,963	195.00	0.00
7.70	0.18	2,025	195.04	0.00
7.80	0.18	2,089	195.08	0.00
7.90	0.19	2,155	195.12	0.00
8.00	0.19	2,221	195.16	0.01
8.10	0.20	2,285	195.20	0.02
8.20	0.20	2,346	195.24	0.04
8.30	0.21	2,405	195.27	0.05
8.40	0.21	2,462	195.31	0.06
8.50	0.22	2,519	195.34	0.06
8.60	0.23	2,575	195.37	0.07
8.70	0.23	2,632	195.40	0.08
8.80	0.24	2,688	195.43	0.08
8.90	0.24	2,745	195.47	0.09
9.00	0.25	2,802	195.50	0.09
9.10	0.26	2,862	195.53	0.10
9.20	0.28	2,924	195.56	0.10
9.30	0.30	2,991	195.60	0.11
9.40	0.31	3,062	195.64	0.11
9.50	0.33	3,138	195.68	0.12
9.60	0.35	3,218	195.72	0.12
9.70	0.37	3,303	195.76	0.12
9.80	0.38	3,393	195.81	0.13
9.90	0.40	3,488	195.85	0.13
10.00	0.42	3,588	195.90	0.14
10.10	0.44	3,694	195.95	0.14
10.20	0.46	3,805	196.00	0.15
10.30	0.48	3,922	196.06	0.15

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.50	4,044	196.11	0.16
10.50	0.53	4,173	196.17	0.16
10.60	0.58	4,314	196.23	0.17
10.70	0.63	4,472	196.30	0.17
10.80	0.70	4,646	196.38	0.23
10.90	0.77	4,780	196.43	0.50
11.00	0.85	4,858	196.46	0.69
11.10	0.95	4,910	196.49	0.84
11.20	1.08	4,953	196.50	0.97
11.30	1.21	4,996	196.52	1.10
11.40	1.35	5,038	196.54	1.24
11.50	1.52	5,081	196.55	1.39
11.60	2.01	5,178	196.59	1.74
11.70	2.40	5,275	196.63	2.12
11.80	3.14	5,425	196.69	2.74
11.90	4.37	5,643	196.77	3.73
12.00	7.02	6,069	196.93	5.83
12.10	**10.92**	**6,752**	**197.17**	**9.36**
12.20	9.32	**6,773**	**197.18**	**9.44**
12.30	7.09	6,514	197.09	8.22
12.40	4.79	6,071	196.93	5.85
12.50	3.64	5,765	196.82	4.30
12.60	2.74	5,534	196.73	3.22
12.70	2.21	5,383	196.67	2.57
12.80	1.86	5,271	196.63	2.10
12.90	1.65	5,196	196.60	1.81
13.00	1.48	5,141	196.58	1.61
13.10	1.32	5,094	196.56	1.44
13.20	1.19	5,054	196.54	1.30
13.30	1.09	5,018	196.53	1.18
13.40	1.00	4,988	196.52	1.08
13.50	0.91	4,960	196.51	0.99
13.60	0.83	4,932	196.49	0.90
13.70	0.77	4,908	196.48	0.83
13.80	0.74	4,889	196.48	0.78
13.90	0.71	4,876	196.47	0.74
14.00	0.68	4,866	196.47	0.71
14.10	0.66	4,857	196.46	0.68
14.20	0.64	4,848	196.46	0.66
14.30	0.62	4,839	196.46	0.64
14.40	0.60	4,831	196.45	0.62
14.50	0.57	4,822	196.45	0.60
14.60	0.55	4,813	196.45	0.58
14.70	0.53	4,804	196.44	0.55
14.80	0.51	4,795	196.44	0.53
14.90	0.48	4,786	196.43	0.51
15.00	0.46	4,776	196.43	0.49
15.10	0.44	4,768	196.43	0.46
15.20	0.43	4,760	196.42	0.45
15.30	0.42	4,754	196.42	0.43
15.40	0.41	4,749	196.42	0.42
15.50	0.40	4,745	196.42	0.41

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.40	4,741	196.42	0.41
15.70	0.39	4,738	196.41	0.40
15.80	0.38	4,734	196.41	0.39
15.90	0.38	4,731	196.41	0.39
16.00	0.37	4,727	196.41	0.38
16.10	0.37	4,724	196.41	0.38
16.20	0.36	4,721	196.41	0.37
16.30	0.35	4,718	196.41	0.36
16.40	0.35	4,714	196.40	0.36
16.50	0.34	4,711	196.40	0.35
16.60	0.34	4,708	196.40	0.35
16.70	0.33	4,704	196.40	0.34
16.80	0.33	4,701	196.40	0.33
16.90	0.32	4,698	196.40	0.33
17.00	0.31	4,694	196.40	0.32
17.10	0.31	4,691	196.39	0.32
17.20	0.30	4,688	196.39	0.31
17.30	0.30	4,684	196.39	0.30
17.40	0.29	4,681	196.39	0.30
17.50	0.28	4,678	196.39	0.29
17.60	0.28	4,675	196.39	0.29
17.70	0.27	4,671	196.39	0.28
17.80	0.27	4,668	196.39	0.28
17.90	0.26	4,665	196.38	0.27
18.00	0.25	4,661	196.38	0.26
18.10	0.25	4,658	196.38	0.26
18.20	0.24	4,655	196.38	0.25
18.30	0.24	4,653	196.38	0.25
18.40	0.24	4,651	196.38	0.24
18.50	0.24	4,649	196.38	0.24
18.60	0.24	4,648	196.38	0.24
18.70	0.24	4,647	196.38	0.24
18.80	0.23	4,646	196.38	0.24
18.90	0.23	4,645	196.38	0.23
19.00	0.23	4,644	196.38	0.23
19.10	0.23	4,644	196.38	0.23
19.20	0.23	4,643	196.37	0.23
19.30	0.23	4,642	196.37	0.23
19.40	0.22	4,641	196.37	0.23
19.50	0.22	4,639	196.37	0.23
19.60	0.22	4,638	196.37	0.23
19.70	0.22	4,636	196.37	0.22
19.80	0.22	4,635	196.37	0.22
19.90	0.22	4,633	196.37	0.22
20.00	0.22	4,632	196.37	0.22
20.10	0.21	4,630	196.37	0.22
20.20	0.21	4,629	196.37	0.22
20.30	0.21	4,627	196.37	0.22
20.40	0.21	4,625	196.37	0.21
20.50	0.21	4,624	196.37	0.21
20.60	0.21	4,622	196.37	0.21
20.70	0.21	4,621	196.37	0.21

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.20	4,619	196.36	0.21
20.90	0.20	4,617	196.36	0.21
21.00	0.20	4,616	196.36	0.21
21.10	0.20	4,614	196.36	0.20
21.20	0.20	4,612	196.36	0.20
21.30	0.20	4,611	196.36	0.20
21.40	0.20	4,609	196.36	0.20
21.50	0.19	4,607	196.36	0.20
21.60	0.19	4,606	196.36	0.20
21.70	0.19	4,604	196.36	0.20
21.80	0.19	4,602	196.36	0.19
21.90	0.19	4,601	196.36	0.19
22.00	0.19	4,599	196.36	0.19
22.10	0.18	4,597	196.36	0.19
22.20	0.18	4,596	196.36	0.19
22.30	0.18	4,594	196.35	0.19
22.40	0.18	4,593	196.35	0.19
22.50	0.18	4,591	196.35	0.18
22.60	0.18	4,589	196.35	0.18
22.70	0.18	4,588	196.35	0.18
22.80	0.17	4,586	196.35	0.18
22.90	0.17	4,584	196.35	0.18
23.00	0.17	4,582	196.35	0.18
23.10	0.17	4,580	196.35	0.18
23.20	0.17	4,577	196.35	0.18
23.30	0.17	4,574	196.35	0.18
23.40	0.17	4,570	196.34	0.18
23.50	0.16	4,566	196.34	0.18
23.60	0.16	4,561	196.34	0.18
23.70	0.16	4,556	196.34	0.18
23.80	0.16	4,550	196.34	0.18
23.90	0.16	4,544	196.33	0.18
24.00	0.17	4,540	196.33	0.18
24.10	0.10	4,521	196.32	0.18
24.20	0.05	4,486	196.31	0.17
24.30	0.02	4,434	196.29	0.17
24.40	0.00	4,376	196.26	0.17
24.50	0.00	4,316	196.23	0.17
24.60	0.00	4,256	196.21	0.17
24.70	0.00	4,197	196.18	0.16
24.80	0.00	4,138	196.16	0.16
24.90	0.00	4,080	196.13	0.16
25.00	0.00	4,023	196.10	0.16
25.10	0.00	3,967	196.08	0.16
25.20	0.00	3,911	196.05	0.15
25.30	0.00	3,857	196.03	0.15
25.40	0.00	3,803	196.00	0.15
25.50	0.00	3,750	195.98	0.15
25.60	0.00	3,698	195.95	0.14
25.70	0.00	3,646	195.93	0.14
25.80	0.00	3,596	195.90	0.14
25.90	0.00	3,546	195.88	0.14

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	3,497	195.86	0.13
26.10	0.00	3,449	195.83	0.13
26.20	0.00	3,402	195.81	0.13
26.30	0.00	3,356	195.79	0.13
26.40	0.00	3,310	195.76	0.12
26.50	0.00	3,266	195.74	0.12
26.60	0.00	3,222	195.72	0.12
26.70	0.00	3,179	195.70	0.12
26.80	0.00	3,137	195.68	0.12
26.90	0.00	3,096	195.65	0.11
27.00	0.00	3,056	195.63	0.11
27.10	0.00	3,017	195.61	0.11
27.20	0.00	2,979	195.59	0.10
27.30	0.00	2,942	195.57	0.10
27.40	0.00	2,905	195.55	0.10
27.50	0.00	2,870	195.53	0.10
27.60	0.00	2,835	195.52	0.09
27.70	0.00	2,802	195.50	0.09
27.80	0.00	2,769	195.48	0.09
27.90	0.00	2,738	195.46	0.09
28.00	0.00	2,707	195.45	0.08
28.10	0.00	2,677	195.43	0.08
28.20	0.00	2,649	195.41	0.08
28.30	0.00	2,621	195.40	0.08
28.40	0.00	2,594	195.38	0.07
28.50	0.00	2,568	195.37	0.07
28.60	0.00	2,544	195.35	0.07
28.70	0.00	2,520	195.34	0.06
28.80	0.00	2,497	195.33	0.06
28.90	0.00	2,476	195.31	0.06
29.00	0.00	2,455	195.30	0.06
29.10	0.00	2,435	195.29	0.05
29.20	0.00	2,417	195.28	0.05
29.30	0.00	2,399	195.27	0.05
29.40	0.00	2,383	195.26	0.04
29.50	0.00	2,367	195.25	0.04
29.60	0.00	2,353	195.24	0.04
29.70	0.00	2,340	195.23	0.04
29.80	0.00	2,327	195.23	0.03
29.90	0.00	2,316	195.22	0.03
30.00	0.00	2,305	195.21	0.03
30.10	0.00	2,295	195.21	0.03
30.20	0.00	2,286	195.20	0.02
30.30	0.00	2,278	195.20	0.02
30.40	0.00	2,270	195.19	0.02
30.50	0.00	2,263	195.19	0.02
30.60	0.00	2,256	195.18	0.02
30.70	0.00	2,249	195.18	0.02
30.80	0.00	2,243	195.17	0.02
30.90	0.00	2,238	195.17	0.02
31.00	0.00	2,233	195.17	0.01
31.10	0.00	2,228	195.16	0.01

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	2,223	195.16	0.01
31.30	0.00	2,219	195.16	0.01
31.40	0.00	2,215	195.16	0.01
31.50	0.00	2,211	195.15	0.01
31.60	0.00	2,207	195.15	0.01
31.70	0.00	2,204	195.15	0.01
31.80	0.00	2,200	195.15	0.01
31.90	0.00	2,197	195.15	0.01
32.00	0.00	2,194	195.14	0.01
32.10	0.00	2,191	195.14	0.01
32.20	0.00	2,188	195.14	0.01
32.30	0.00	2,186	195.14	0.01
32.40	0.00	2,183	195.14	0.01
32.50	0.00	2,181	195.14	0.01
32.60	0.00	2,178	195.13	0.01
32.70	0.00	2,176	195.13	0.01
32.80	0.00	2,174	195.13	0.01
32.90	0.00	2,172	195.13	0.01
33.00	0.00	2,170	195.13	0.01
33.10	0.00	2,168	195.13	0.01
33.20	0.00	2,166	195.13	0.00
33.30	0.00	2,165	195.13	0.00
33.40	0.00	2,163	195.12	0.00
33.50	0.00	2,162	195.12	0.00
33.60	0.00	2,160	195.12	0.00
33.70	0.00	2,159	195.12	0.00
33.80	0.00	2,157	195.12	0.00
33.90	0.00	2,156	195.12	0.00
34.00	0.00	2,155	195.12	0.00
34.10	0.00	2,154	195.12	0.00
34.20	0.00	2,153	195.12	0.00
34.30	0.00	2,152	195.12	0.00
34.40	0.00	2,151	195.12	0.00
34.50	0.00	2,150	195.12	0.00
34.60	0.00	2,149	195.12	0.00
34.70	0.00	2,148	195.12	0.00
34.80	0.00	2,147	195.11	0.00
34.90	0.00	2,146	195.11	0.00
35.00	0.00	2,145	195.11	0.00
35.10	0.00	2,144	195.11	0.00
35.20	0.00	2,144	195.11	0.00
35.30	0.00	2,143	195.11	0.00
35.40	0.00	2,142	195.11	0.00
35.50	0.00	2,141	195.11	0.00
35.60	0.00	2,140	195.11	0.00
35.70	0.00	2,140	195.11	0.00
35.80	0.00	2,139	195.11	0.00
35.90	0.00	2,138	195.11	0.00
36.00	0.00	2,138	195.11	0.00
36.10	0.00	2,137	195.11	0.00
36.20	0.00	2,136	195.11	0.00
36.30	0.00	2,135	195.11	0.00

Hydrograph for Pond B-52: Basin #52 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	2,135	195.11	0.00
36.50	0.00	2,134	195.11	0.00
36.60	0.00	2,133	195.11	0.00
36.70	0.00	2,133	195.11	0.00
36.80	0.00	2,132	195.11	0.00
36.90	0.00	2,132	195.10	0.00
37.00	0.00	2,131	195.10	0.00
37.10	0.00	2,130	195.10	0.00
37.20	0.00	2,130	195.10	0.00
37.30	0.00	2,129	195.10	0.00
37.40	0.00	2,129	195.10	0.00
37.50	0.00	2,128	195.10	0.00
37.60	0.00	2,128	195.10	0.00
37.70	0.00	2,127	195.10	0.00
37.80	0.00	2,126	195.10	0.00
37.90	0.00	2,126	195.10	0.00
38.00	0.00	2,125	195.10	0.00
38.10	0.00	2,125	195.10	0.00
38.20	0.00	2,124	195.10	0.00
38.30	0.00	2,124	195.10	0.00
38.40	0.00	2,123	195.10	0.00
38.50	0.00	2,123	195.10	0.00
38.60	0.00	2,122	195.10	0.00
38.70	0.00	2,122	195.10	0.00
38.80	0.00	2,121	195.10	0.00
38.90	0.00	2,121	195.10	0.00
39.00	0.00	2,121	195.10	0.00
39.10	0.00	2,120	195.10	0.00
39.20	0.00	2,120	195.10	0.00
39.30	0.00	2,119	195.10	0.00
39.40	0.00	2,119	195.10	0.00
39.50	0.00	2,118	195.10	0.00
39.60	0.00	2,118	195.10	0.00
39.70	0.00	2,118	195.10	0.00
39.80	0.00	2,117	195.10	0.00
39.90	0.00	2,117	195.10	0.00
40.00	0.00	2,116	195.10	0.00

Stage-Discharge for Pond B-52: Basin #52

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
193.00	0.00	193.52	0.00	194.04	0.00	194.56	0.00
193.01	0.00	193.53	0.00	194.05	0.00	194.57	0.00
193.02	0.00	193.54	0.00	194.06	0.00	194.58	0.00
193.03	0.00	193.55	0.00	194.07	0.00	194.59	0.00
193.04	0.00	193.56	0.00	194.08	0.00	194.60	0.00
193.05	0.00	193.57	0.00	194.09	0.00	194.61	0.00
193.06	0.00	193.58	0.00	194.10	0.00	194.62	0.00
193.07	0.00	193.59	0.00	194.11	0.00	194.63	0.00
193.08	0.00	193.60	0.00	194.12	0.00	194.64	0.00
193.09	0.00	193.61	0.00	194.13	0.00	194.65	0.00
193.10	0.00	193.62	0.00	194.14	0.00	194.66	0.00
193.11	0.00	193.63	0.00	194.15	0.00	194.67	0.00
193.12	0.00	193.64	0.00	194.16	0.00	194.68	0.00
193.13	0.00	193.65	0.00	194.17	0.00	194.69	0.00
193.14	0.00	193.66	0.00	194.18	0.00	194.70	0.00
193.15	0.00	193.67	0.00	194.19	0.00	194.71	0.00
193.16	0.00	193.68	0.00	194.20	0.00	194.72	0.00
193.17	0.00	193.69	0.00	194.21	0.00	194.73	0.00
193.18	0.00	193.70	0.00	194.22	0.00	194.74	0.00
193.19	0.00	193.71	0.00	194.23	0.00	194.75	0.00
193.20	0.00	193.72	0.00	194.24	0.00	194.76	0.00
193.21	0.00	193.73	0.00	194.25	0.00	194.77	0.00
193.22	0.00	193.74	0.00	194.26	0.00	194.78	0.00
193.23	0.00	193.75	0.00	194.27	0.00	194.79	0.00
193.24	0.00	193.76	0.00	194.28	0.00	194.80	0.00
193.25	0.00	193.77	0.00	194.29	0.00	194.81	0.00
193.26	0.00	193.78	0.00	194.30	0.00	194.82	0.00
193.27	0.00	193.79	0.00	194.31	0.00	194.83	0.00
193.28	0.00	193.80	0.00	194.32	0.00	194.84	0.00
193.29	0.00	193.81	0.00	194.33	0.00	194.85	0.00
193.30	0.00	193.82	0.00	194.34	0.00	194.86	0.00
193.31	0.00	193.83	0.00	194.35	0.00	194.87	0.00
193.32	0.00	193.84	0.00	194.36	0.00	194.88	0.00
193.33	0.00	193.85	0.00	194.37	0.00	194.89	0.00
193.34	0.00	193.86	0.00	194.38	0.00	194.90	0.00
193.35	0.00	193.87	0.00	194.39	0.00	194.91	0.00
193.36	0.00	193.88	0.00	194.40	0.00	194.92	0.00
193.37	0.00	193.89	0.00	194.41	0.00	194.93	0.00
193.38	0.00	193.90	0.00	194.42	0.00	194.94	0.00
193.39	0.00	193.91	0.00	194.43	0.00	194.95	0.00
193.40	0.00	193.92	0.00	194.44	0.00	194.96	0.00
193.41	0.00	193.93	0.00	194.45	0.00	194.97	0.00
193.42	0.00	193.94	0.00	194.46	0.00	194.98	0.00
193.43	0.00	193.95	0.00	194.47	0.00	194.99	0.00
193.44	0.00	193.96	0.00	194.48	0.00	195.00	0.00
193.45	0.00	193.97	0.00	194.49	0.00	195.01	0.00
193.46	0.00	193.98	0.00	194.50	0.00	195.02	0.00
193.47	0.00	193.99	0.00	194.51	0.00	195.03	0.00
193.48	0.00	194.00	0.00	194.52	0.00	195.04	0.00
193.49	0.00	194.01	0.00	194.53	0.00	195.05	0.00
193.50	0.00	194.02	0.00	194.54	0.00	195.06	0.00
193.51	0.00	194.03	0.00	194.55	0.00	195.07	0.00

Stage-Discharge for Pond B-52: Basin #52 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
195.08	0.00	195.60	0.11	196.12	0.16	196.64	2.21
195.09	0.00	195.61	0.11	196.13	0.16	196.65	2.32
195.10	0.00	195.62	0.11	196.14	0.16	196.66	2.42
195.11	0.00	195.63	0.11	196.15	0.16	196.67	2.53
195.12	0.00	195.64	0.11	196.16	0.16	196.68	2.64
195.13	0.00	195.65	0.11	196.17	0.16	196.69	2.75
195.14	0.01	195.66	0.11	196.18	0.16	196.70	2.86
195.15	0.01	195.67	0.11	196.19	0.16	196.71	2.98
195.16	0.01	195.68	0.12	196.20	0.17	196.72	3.09
195.17	0.01	195.69	0.12	196.21	0.17	196.73	3.21
195.18	0.02	195.70	0.12	196.22	0.17	196.74	3.33
195.19	0.02	195.71	0.12	196.23	0.17	196.75	3.45
195.20	0.02	195.72	0.12	196.24	0.17	196.76	3.57
195.21	0.03	195.73	0.12	196.25	0.17	196.77	3.69
195.22	0.03	195.74	0.12	196.26	0.17	196.78	3.82
195.23	0.03	195.75	0.12	196.27	0.17	196.79	3.94
195.24	0.04	195.76	0.12	196.28	0.17	196.80	4.07
195.25	0.04	195.77	0.13	196.29	0.17	196.81	4.20
195.26	0.05	195.78	0.13	196.30	0.17	196.82	4.33
195.27	0.05	195.79	0.13	196.31	0.17	196.83	4.46
195.28	0.05	195.80	0.13	196.32	0.17	196.84	4.59
195.29	0.05	195.81	0.13	196.33	0.18	196.85	4.72
195.30	0.06	195.82	0.13	196.34	0.18	196.86	4.85
195.31	0.06	195.83	0.13	196.35	0.18	196.87	4.99
195.32	0.06	195.84	0.13	196.36	0.19	196.88	5.13
195.33	0.06	195.85	0.13	196.37	0.22	196.89	5.26
195.34	0.06	195.86	0.13	196.38	0.25	196.90	5.40
195.35	0.07	195.87	0.14	196.39	0.28	196.91	5.54
195.36	0.07	195.88	0.14	196.40	0.33	196.92	5.68
195.37	0.07	195.89	0.14	196.41	0.37	196.93	5.83
195.38	0.07	195.90	0.14	196.42	0.42	196.94	5.97
195.39	0.07	195.91	0.14	196.43	0.48	196.95	6.11
195.40	0.08	195.92	0.14	196.44	0.54	196.96	6.26
195.41	0.08	195.93	0.14	196.45	0.60	196.97	6.41
195.42	0.08	195.94	0.14	196.46	0.66	196.98	6.55
195.43	0.08	195.95	0.14	196.47	0.73	196.99	6.70
195.44	0.08	195.96	0.14	196.48	0.80	197.00	6.85
195.45	0.08	195.97	0.15	196.49	0.87	197.01	7.00
195.46	0.09	195.98	0.15	196.50	0.94	197.02	7.16
195.47	0.09	195.99	0.15	196.51	1.02	197.03	7.31
195.48	0.09	196.00	0.15	196.52	1.10	197.04	7.46
195.49	0.09	196.01	0.15	196.53	1.18	197.05	7.62
195.50	0.09	196.02	0.15	196.54	1.26	197.06	7.77
195.51	0.09	196.03	0.15	196.55	1.35	197.07	7.93
195.52	0.10	196.04	0.15	196.56	1.44	197.08	8.09
195.53	0.10	196.05	0.15	196.57	1.53	197.09	8.24
195.54	0.10	196.06	0.15	196.58	1.62	197.10	8.40
195.55	0.10	196.07	0.15	196.59	1.71	197.11	8.56
195.56	0.10	196.08	0.16	196.60	1.81	197.12	8.73
195.57	0.10	196.09	0.16	196.61	1.91	197.13	8.89
195.58	0.10	196.10	0.16	196.62	2.01	197.14	9.05
195.59	0.10	196.11	0.16	196.63	2.11	197.15	9.22

Stage-Discharge for Pond B-52: Basin #52 (continued)

Elevation (feet)	Primary (cfs)
197.16	9.38
197.17	9.49
197.18	9.50
197.19	9.51
197.20	9.52
197.21	9.53
197.22	9.54
197.23	9.55
197.24	9.55
197.25	9.56
197.26	9.69
197.27	9.91
197.28	10.20
197.29	10.54
197.30	10.92
197.31	11.35
197.32	11.81
197.33	12.30
197.34	12.82
197.35	13.38
197.36	13.96
197.37	14.57
197.38	15.21
197.39	15.87
197.40	16.55
197.41	17.26
197.42	17.99
197.43	18.75
197.44	19.52
197.45	20.32
197.46	21.17
197.47	22.06
197.48	22.96
197.49	23.90
197.50	**24.85**

Stage-Area-Storage for Pond B-52: Basin #52

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
193.00	474	0	193.52	732	314
193.01	479	5	193.53	737	321
193.02	484	10	193.54	742	328
193.03	489	14	193.55	747	336
193.04	494	19	193.56	752	343
193.05	499	24	193.57	757	351
193.06	504	29	193.58	762	358
193.07	509	34	193.59	767	366
193.08	514	40	193.60	772	374
193.09	519	45	193.61	777	381
193.10	524	50	193.62	782	389
193.11	529	55	193.63	786	397
193.12	534	60	193.64	791	405
193.13	538	66	193.65	796	413
193.14	543	71	193.66	801	421
193.15	548	77	193.67	806	429
193.16	553	82	193.68	811	437
193.17	558	88	193.69	816	445
193.18	563	93	193.70	821	453
193.19	568	99	193.71	826	462
193.20	573	105	193.72	831	470
193.21	578	110	193.73	836	478
193.22	583	116	193.74	841	487
193.23	588	122	193.75	846	495
193.24	593	128	193.76	851	503
193.25	598	134	193.77	856	512
193.26	603	140	193.78	861	521
193.27	608	146	193.79	866	529
193.28	613	152	193.80	871	538
193.29	618	158	193.81	876	547
193.30	623	165	193.82	881	555
193.31	628	171	193.83	886	564
193.32	633	177	193.84	891	573
193.33	638	183	193.85	896	582
193.34	643	190	193.86	901	591
193.35	648	196	193.87	906	600
193.36	653	203	193.88	910	609
193.37	658	209	193.89	915	618
193.38	662	216	193.90	920	627
193.39	667	223	193.91	925	637
193.40	672	229	193.92	930	646
193.41	677	236	193.93	935	655
193.42	682	243	193.94	940	665
193.43	687	250	193.95	945	674
193.44	692	257	193.96	950	684
193.45	697	264	193.97	955	693
193.46	702	271	193.98	960	703
193.47	707	278	193.99	965	712
193.48	712	285	194.00	970	722
193.49	717	292	194.01	976	732
193.50	722	299	194.02	981	742
193.51	727	306	194.03	987	751

Stage-Area-Storage for Pond B-52: Basin #52 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
194.04	992	761	194.56	1,280	1,352
194.05	998	771	194.57	1,285	1,365
194.06	1,003	781	194.58	1,291	1,378
194.07	1,009	791	194.59	1,296	1,391
194.08	1,014	801	194.60	1,302	1,404
194.09	1,020	812	194.61	1,307	1,417
194.10	1,025	822	194.62	1,313	1,430
194.11	1,031	832	194.63	1,318	1,443
194.12	1,036	842	194.64	1,324	1,456
194.13	1,042	853	194.65	1,329	1,469
194.14	1,047	863	194.66	1,335	1,483
194.15	1,053	874	194.67	1,341	1,496
194.16	1,058	884	194.68	1,346	1,509
194.17	1,064	895	194.69	1,352	1,523
194.18	1,070	906	194.70	1,357	1,536
194.19	1,075	916	194.71	1,363	1,550
194.20	1,081	927	194.72	1,368	1,564
194.21	1,086	938	194.73	1,374	1,577
194.22	1,092	949	194.74	1,379	1,591
194.23	1,097	960	194.75	1,385	1,605
194.24	1,103	971	194.76	1,390	1,619
194.25	1,108	982	194.77	1,396	1,633
194.26	1,114	993	194.78	1,401	1,647
194.27	1,119	1,004	194.79	1,407	1,661
194.28	1,125	1,015	194.80	1,412	1,675
194.29	1,130	1,027	194.81	1,418	1,689
194.30	1,136	1,038	194.82	1,423	1,703
194.31	1,141	1,049	194.83	1,429	1,718
194.32	1,147	1,061	194.84	1,435	1,732
194.33	1,152	1,072	194.85	1,440	1,746
194.34	1,158	1,084	194.86	1,446	1,761
194.35	1,164	1,095	194.87	1,451	1,775
194.36	1,169	1,107	194.88	1,457	1,790
194.37	1,175	1,119	194.89	1,462	1,804
194.38	1,180	1,131	194.90	1,468	1,819
194.39	1,186	1,142	194.91	1,473	1,834
194.40	1,191	1,154	194.92	1,479	1,848
194.41	1,197	1,166	194.93	1,484	1,863
194.42	1,202	1,178	194.94	1,490	1,878
194.43	1,208	1,190	194.95	1,495	1,893
194.44	1,213	1,202	194.96	1,501	1,908
194.45	1,219	1,214	194.97	1,506	1,923
194.46	1,224	1,227	194.98	1,512	1,938
194.47	1,230	1,239	194.99	1,517	1,953
194.48	1,235	1,251	195.00	1,523	1,969
194.49	1,241	1,264	195.01	1,529	1,984
194.50	1,247	1,276	195.02	1,535	1,999
194.51	1,252	1,289	195.03	1,541	2,014
194.52	1,258	1,301	195.04	1,547	2,030
194.53	1,263	1,314	195.05	1,554	2,045
194.54	1,269	1,326	195.06	1,560	2,061
194.55	1,274	1,339	195.07	1,566	2,077

Stage-Area-Storage for Pond B-52: Basin #52 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
195.08	1,572	2,092	195.60	1,889	2,992
195.09	1,578	2,108	195.61	1,895	3,011
195.10	1,584	2,124	195.62	1,901	3,030
195.11	1,590	2,140	195.63	1,907	3,049
195.12	1,596	2,156	195.64	1,913	3,068
195.13	1,602	2,172	195.65	1,920	3,087
195.14	1,608	2,188	195.66	1,926	3,107
195.15	1,615	2,204	195.67	1,932	3,126
195.16	1,621	2,220	195.68	1,938	3,145
195.17	1,627	2,236	195.69	1,944	3,165
195.18	1,633	2,253	195.70	1,950	3,184
195.19	1,639	2,269	195.71	1,956	3,204
195.20	1,645	2,285	195.72	1,962	3,223
195.21	1,651	2,302	195.73	1,968	3,243
195.22	1,657	2,318	195.74	1,974	3,263
195.23	1,663	2,335	195.75	1,981	3,282
195.24	1,669	2,352	195.76	1,987	3,302
195.25	1,676	2,368	195.77	1,993	3,322
195.26	1,682	2,385	195.78	1,999	3,342
195.27	1,688	2,402	195.79	2,005	3,362
195.28	1,694	2,419	195.80	2,011	3,382
195.29	1,700	2,436	195.81	2,017	3,402
195.30	1,706	2,453	195.82	2,023	3,422
195.31	1,712	2,470	195.83	2,029	3,443
195.32	1,718	2,487	195.84	2,035	3,463
195.33	1,724	2,504	195.85	2,041	3,483
195.34	1,730	2,522	195.86	2,048	3,504
195.35	1,736	2,539	195.87	2,054	3,524
195.36	1,743	2,556	195.88	2,060	3,545
195.37	1,749	2,574	195.89	2,066	3,566
195.38	1,755	2,591	195.90	2,072	3,586
195.39	1,761	2,609	195.91	2,078	3,607
195.40	1,767	2,627	195.92	2,084	3,628
195.41	1,773	2,644	195.93	2,090	3,649
195.42	1,779	2,662	195.94	2,096	3,670
195.43	1,785	2,680	195.95	2,102	3,691
195.44	1,791	2,698	195.96	2,109	3,712
195.45	1,797	2,716	195.97	2,115	3,733
195.46	1,804	2,734	195.98	2,121	3,754
195.47	1,810	2,752	195.99	2,127	3,775
195.48	1,816	2,770	196.00	2,133	3,797
195.49	1,822	2,788	196.01	2,140	3,818
195.50	1,828	2,806	196.02	2,146	3,839
195.51	1,834	2,825	196.03	2,153	3,861
195.52	1,840	2,843	196.04	2,160	3,882
195.53	1,846	2,861	196.05	2,166	3,904
195.54	1,852	2,880	196.06	2,173	3,926
195.55	1,859	2,898	196.07	2,180	3,947
195.56	1,865	2,917	196.08	2,186	3,969
195.57	1,871	2,936	196.09	2,193	3,991
195.58	1,877	2,954	196.10	2,200	4,013
195.59	1,883	2,973	196.11	2,206	4,035

Stage-Area-Storage for Pond B-52: Basin #52 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
196.12	2,213	4,057	196.64	2,559	5,298
196.13	2,220	4,079	196.65	2,566	5,324
196.14	2,226	4,102	196.66	2,573	5,349
196.15	2,233	4,124	196.67	2,579	5,375
196.16	2,240	4,146	196.68	2,586	5,401
196.17	2,246	4,169	196.69	2,593	5,427
196.18	2,253	4,191	196.70	2,599	5,453
196.19	2,260	4,214	196.71	2,606	5,479
196.20	2,266	4,236	196.72	2,613	5,505
196.21	2,273	4,259	196.73	2,619	5,531
196.22	2,280	4,282	196.74	2,626	5,557
196.23	2,286	4,305	196.75	2,633	5,584
196.24	2,293	4,328	196.76	2,639	5,610
196.25	2,300	4,351	196.77	2,646	5,636
196.26	2,306	4,374	196.78	2,652	5,663
196.27	2,313	4,397	196.79	2,659	5,689
196.28	2,319	4,420	196.80	2,666	5,716
196.29	2,326	4,443	196.81	2,672	5,743
196.30	2,333	4,466	196.82	2,679	5,769
196.31	2,339	4,490	196.83	2,686	5,796
196.32	2,346	4,513	196.84	2,692	5,823
196.33	2,353	4,537	196.85	2,699	5,850
196.34	2,359	4,560	196.86	2,706	5,877
196.35	2,366	4,584	196.87	2,712	5,904
196.36	2,373	4,608	196.88	2,719	5,931
196.37	2,379	4,631	196.89	2,726	5,959
196.38	2,386	4,655	196.90	2,732	5,986
196.39	2,393	4,679	196.91	2,739	6,013
196.40	2,399	4,703	196.92	2,746	6,041
196.41	2,406	4,727	196.93	2,752	6,068
196.42	2,413	4,751	196.94	2,759	6,096
196.43	2,419	4,775	196.95	2,766	6,123
196.44	2,426	4,799	196.96	2,772	6,151
196.45	2,433	4,824	196.97	2,779	6,179
196.46	2,439	4,848	196.98	2,786	6,207
196.47	2,446	4,873	196.99	2,792	6,235
196.48	2,453	4,897	197.00	2,799	6,263
196.49	2,459	4,922	197.01	2,806	6,291
196.50	2,466	4,946	197.02	2,813	6,319
196.51	2,473	4,971	197.03	2,820	6,347
196.52	2,479	4,996	197.04	2,827	6,375
196.53	2,486	5,021	197.05	2,835	6,403
196.54	2,493	5,045	197.06	2,842	6,432
196.55	2,499	5,070	197.07	2,849	6,460
196.56	2,506	5,095	197.08	2,856	6,489
196.57	2,513	5,121	197.09	2,863	6,517
196.58	2,519	5,146	197.10	2,870	6,546
196.59	2,526	5,171	197.11	2,877	6,575
196.60	2,533	5,196	197.12	2,884	6,603
196.61	2,539	5,222	197.13	2,891	6,632
196.62	2,546	5,247	197.14	2,898	6,661
196.63	2,553	5,272	197.15	2,906	6,690

Stage-Area-Storage for Pond B-52: Basin #52 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
197.16	2,913	6,719
197.17	2,920	6,749
197.18	2,927	6,778
197.19	2,934	6,807
197.20	2,941	6,836
197.21	2,948	6,866
197.22	2,955	6,895
197.23	2,962	6,925
197.24	2,969	6,955
197.25	2,977	6,984
197.26	2,984	7,014
197.27	2,991	7,044
197.28	2,998	7,074
197.29	3,005	7,104
197.30	3,012	7,134
197.31	3,019	7,164
197.32	3,026	7,195
197.33	3,033	7,225
197.34	3,040	7,255
197.35	3,047	7,286
197.36	3,055	7,316
197.37	3,062	7,347
197.38	3,069	7,377
197.39	3,076	7,408
197.40	3,083	7,439
197.41	3,090	7,470
197.42	3,097	7,501
197.43	3,104	7,532
197.44	3,111	7,563
197.45	3,118	7,594
197.46	3,126	7,625
197.47	3,133	7,656
197.48	3,140	7,688
197.49	3,147	7,719
197.50	**3,154**	**7,751**

Summary for Pond B-53: Basin #53

Inflow Area = 2.540 ac, 47.80% Impervious, Inflow Depth = 9.19" for Future 100 yr event
Inflow = 28.91 cfs @ 12.09 hrs, Volume= 1.945 af
Outflow = 17.37 cfs @ 12.17 hrs, Volume= 1.833 af, Atten= 40%, Lag= 4.7 min
Primary = 17.37 cfs @ 12.17 hrs, Volume= 1.833 af
Routed to Pond B-51 : Basin #51

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 204.48' @ 12.17 hrs Surf.Area= 4,749 sf Storage= 21,255 cf

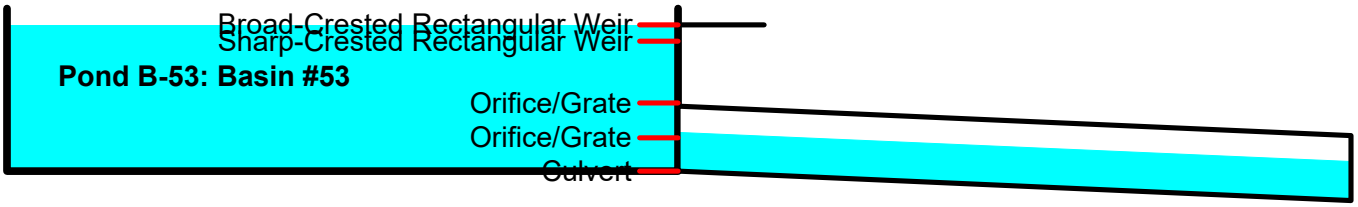
Plug-Flow detention time= 87.8 min calculated for 1.833 af (94% of inflow)
Center-of-Mass det. time= 54.0 min (819.7 - 765.8)

Volume	Invert	Avail.Storage	Storage Description
#1	200.00'	23,745 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

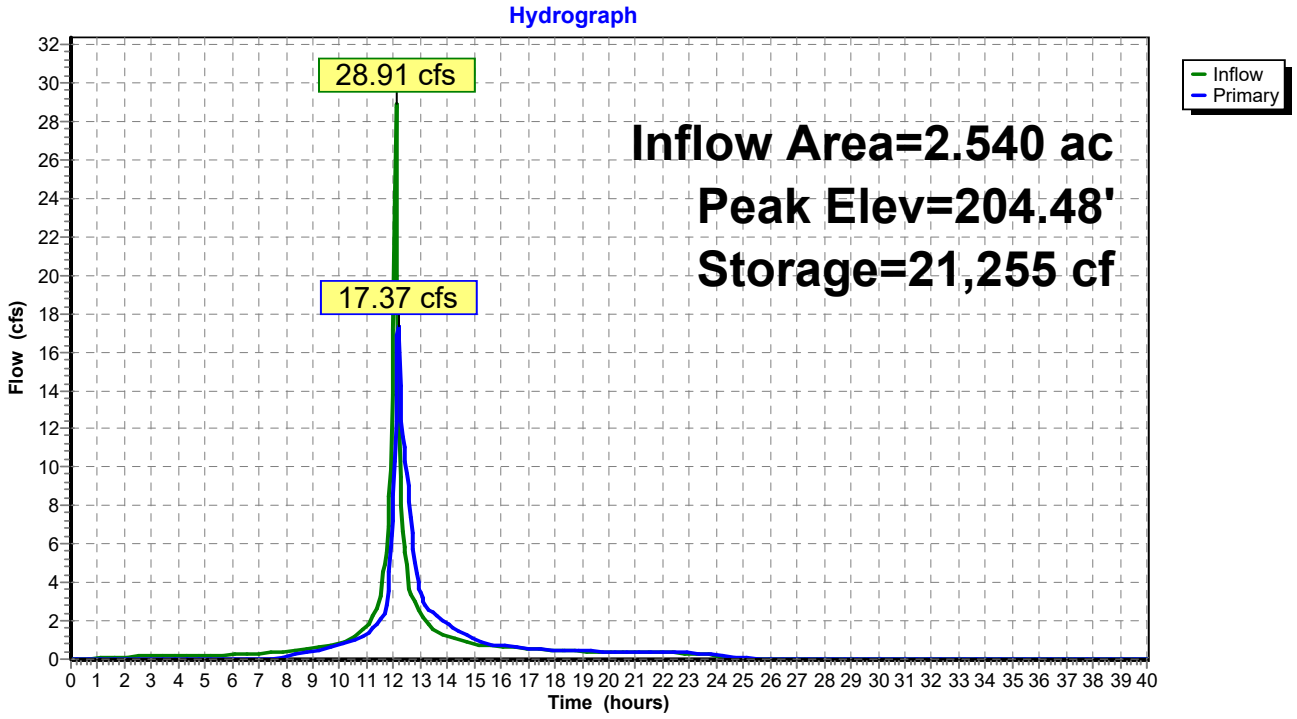
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
200.00	4,749	0	0
201.00	4,749	4,749	4,749
202.00	4,749	4,749	9,498
203.00	4,749	4,749	14,247
204.00	4,749	4,749	18,996
205.00	4,749	4,749	23,745

Device	Routing	Invert	Outlet Devices
#1	Primary	200.00'	**24.0" Round Culvert** L= 39.0' Ke= 0.500 Inlet / Outlet Invert= 200.00' / 199.10' S= 0.0231 '/' Cc= 0.900 n= 0.013, Flow Area= 3.14 sf
#2	Device 1	201.03'	**20.0" W x 4.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	202.10'	**29.0" W x 6.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Device 1	204.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#5	Primary	204.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=16.77 cfs @ 12.17 hrs HW=204.43' (Free Discharge)
- **1=Culvert** (Passes 16.77 cfs of 28.01 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 4.81 cfs @ 8.65 fps)
  - **3=Orifice/Grate** (Orifice Controls 8.38 cfs @ 6.94 fps)
  - **4=Sharp-Crested Rectangular Weir** (Weir Controls 3.58 cfs @ 2.14 fps)
- **5=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-53: Basin #53



Hydrograph for Pond B-53: Basin #53

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	200.00	0.00
0.10	0.00	0	200.00	0.00
0.20	0.00	0	200.00	0.00
0.30	0.00	0	200.00	0.00
0.40	0.00	0	200.00	0.00
0.50	0.01	3	200.00	0.00
0.60	0.03	11	200.00	0.00
0.70	0.04	23	200.00	0.00
0.80	0.05	39	200.01	0.00
0.90	0.06	59	200.01	0.00
1.00	0.07	82	200.02	0.00
1.10	0.08	107	200.02	0.00
1.20	0.08	136	200.03	0.00
1.30	0.09	166	200.04	0.00
1.40	0.09	199	200.04	0.00
1.50	0.10	234	200.05	0.00
1.60	0.10	271	200.06	0.00
1.70	0.11	310	200.07	0.00
1.80	0.11	350	200.07	0.00
1.90	0.12	391	200.08	0.00
2.00	0.12	435	200.09	0.00
2.10	0.13	479	200.10	0.00
2.20	0.13	525	200.11	0.00
2.30	0.13	572	200.12	0.00
2.40	0.14	620	200.13	0.00
2.50	0.14	669	200.14	0.00
2.60	0.14	720	200.15	0.00
2.70	0.14	771	200.16	0.00
2.80	0.15	823	200.17	0.00
2.90	0.15	877	200.18	0.00
3.00	0.15	931	200.20	0.00
3.10	0.15	986	200.21	0.00
3.20	0.16	1,042	200.22	0.00
3.30	0.16	1,099	200.23	0.00
3.40	0.16	1,157	200.24	0.00
3.50	0.16	1,215	200.26	0.00
3.60	0.17	1,275	200.27	0.00
3.70	0.17	1,335	200.28	0.00
3.80	0.17	1,395	200.29	0.00
3.90	0.17	1,457	200.31	0.00
4.00	0.17	1,519	200.32	0.00
4.10	0.18	1,582	200.33	0.00
4.20	0.18	1,646	200.35	0.00
4.30	0.18	1,710	200.36	0.00
4.40	0.18	1,775	200.37	0.00
4.50	0.18	1,841	200.39	0.00
4.60	0.19	1,907	200.40	0.00
4.70	0.19	1,974	200.42	0.00
4.80	0.19	2,042	200.43	0.00
4.90	0.19	2,110	200.44	0.00
5.00	0.19	2,179	200.46	0.00
5.10	0.20	2,249	200.47	0.00

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.20	2,320	200.49	0.00
5.30	0.20	2,392	200.50	0.00
5.40	0.21	2,466	200.52	0.00
5.50	0.21	2,541	200.53	0.00
5.60	0.21	2,617	200.55	0.00
5.70	0.22	2,695	200.57	0.00
5.80	0.22	2,774	200.58	0.00
5.90	0.23	2,855	200.60	0.00
6.00	0.23	2,937	200.62	0.00
6.10	0.24	3,021	200.64	0.00
6.20	0.25	3,108	200.65	0.00
6.30	0.25	3,198	200.67	0.00
6.40	0.26	3,290	200.69	0.00
6.50	0.27	3,386	200.71	0.00
6.60	0.28	3,486	200.73	0.00
6.70	0.29	3,588	200.76	0.00
6.80	0.30	3,694	200.78	0.00
6.90	0.31	3,802	200.80	0.00
7.00	0.32	3,914	200.82	0.00
7.10	0.33	4,030	200.85	0.00
7.20	0.34	4,149	200.87	0.00
7.30	0.34	4,271	200.90	0.00
7.40	0.35	4,397	200.93	0.00
7.50	0.36	4,527	200.95	0.00
7.60	0.37	4,660	200.98	0.00
7.70	0.38	4,796	201.01	0.00
7.80	0.39	4,936	201.04	0.01
7.90	0.41	5,071	201.07	0.04
8.00	0.42	5,195	201.09	0.09
8.10	0.43	5,305	201.12	0.14
8.20	0.44	5,400	201.14	0.19
8.30	0.45	5,482	201.15	0.24
8.40	0.46	5,552	201.17	0.28
8.50	0.47	5,611	201.18	0.32
8.60	0.48	5,661	201.19	0.35
8.70	0.49	5,704	201.20	0.38
8.80	0.50	5,741	201.21	0.41
8.90	0.51	5,773	201.22	0.43
9.00	0.53	5,801	201.22	0.45
9.10	0.55	5,829	201.23	0.47
9.20	0.59	5,860	201.23	0.50
9.30	0.62	5,895	201.24	0.52
9.40	0.65	5,932	201.25	0.55
9.50	0.69	5,970	201.26	0.58
9.60	0.72	6,010	201.27	0.61
9.70	0.76	6,050	201.27	0.65
9.80	0.79	6,091	201.28	0.68
9.90	0.83	6,132	201.29	0.72
10.00	0.87	6,175	201.30	0.75
10.10	0.91	6,217	201.31	0.79
10.20	0.95	6,259	201.32	0.83
10.30	0.98	6,301	201.33	0.87

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	1.02	6,343	201.34	0.91
10.50	1.06	6,385	201.34	0.94
10.60	1.18	6,442	201.36	0.99
10.70	1.32	6,523	201.37	1.06
10.80	1.45	6,625	201.40	1.15
10.90	1.59	6,747	201.42	1.23
11.00	1.74	6,888	201.45	1.32
11.10	1.98	7,065	201.49	1.42
11.20	2.24	7,294	201.54	1.54
11.30	2.51	7,573	201.59	1.67
11.40	2.78	7,900	201.66	1.82
11.50	3.03	8,266	201.74	1.96
11.60	4.58	8,902	201.87	2.20
11.70	5.07	9,807	202.07	2.49
11.80	6.92	10,931	202.30	3.51
11.90	9.83	12,310	202.59	5.84
12.00	17.12	14,622	203.08	8.61
12.10	**28.77**	**19,319**	**204.07**	**12.39**
12.20	12.42	**20,972**	**204.42**	**16.60**
12.30	8.01	19,337	204.07	12.42
12.40	5.84	17,590	203.70	10.99
12.50	5.38	15,874	203.34	9.70
12.60	3.65	14,240	203.00	8.24
12.70	3.29	12,803	202.70	6.61
12.80	3.00	11,852	202.50	4.98
12.90	2.72	11,272	202.37	4.01
13.00	2.43	10,863	202.29	3.42
13.10	2.15	10,529	202.22	3.01
13.20	1.99	10,240	202.16	2.72
13.30	1.83	9,978	202.10	2.54
13.40	1.68	9,708	202.04	2.46
13.50	1.53	9,414	201.98	2.37
13.60	1.38	9,100	201.92	2.26
13.70	1.32	8,789	201.85	2.16
13.80	1.28	8,499	201.79	2.05
13.90	1.25	8,233	201.73	1.95
14.00	1.20	7,988	201.68	1.85
14.10	1.16	7,763	201.63	1.76
14.20	1.13	7,558	201.59	1.67
14.30	1.08	7,371	201.55	1.58
14.40	1.04	7,200	201.52	1.49
14.50	1.00	7,045	201.48	1.41
14.60	0.96	6,906	201.45	1.33
14.70	0.92	6,780	201.43	1.25
14.80	0.88	6,667	201.40	1.18
14.90	0.84	6,567	201.38	1.10
15.00	0.80	6,480	201.36	1.03
15.10	0.76	6,403	201.35	0.96
15.20	0.75	6,340	201.34	0.90
15.30	0.74	6,290	201.32	0.86
15.40	0.73	6,252	201.32	0.82
15.50	0.72	6,221	201.31	0.79

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.71	6,196	201.30	0.77
15.70	0.69	6,174	201.30	0.75
15.80	0.68	6,155	201.30	0.73
15.90	0.68	6,137	201.29	0.72
16.00	0.66	6,121	201.29	0.71
16.10	0.65	6,106	201.29	0.69
16.20	0.64	6,092	201.28	0.68
16.30	0.63	6,077	201.28	0.67
16.40	0.62	6,063	201.28	0.66
16.50	0.61	6,050	201.27	0.65
16.60	0.60	6,036	201.27	0.64
16.70	0.59	6,023	201.27	0.62
16.80	0.58	6,010	201.27	0.61
16.90	0.57	5,997	201.26	0.60
17.00	0.56	5,984	201.26	0.59
17.10	0.55	5,972	201.26	0.58
17.20	0.54	5,959	201.25	0.57
17.30	0.52	5,946	201.25	0.56
17.40	0.51	5,932	201.25	0.55
17.50	0.50	5,919	201.25	0.54
17.60	0.49	5,906	201.24	0.53
17.70	0.48	5,893	201.24	0.52
17.80	0.47	5,879	201.24	0.51
17.90	0.46	5,865	201.23	0.50
18.00	0.45	5,851	201.23	0.49
18.10	0.44	5,836	201.23	0.48
18.20	0.44	5,824	201.23	0.47
18.30	0.43	5,813	201.22	0.46
18.40	0.43	5,804	201.22	0.45
18.50	0.43	5,796	201.22	0.45
18.60	0.42	5,789	201.22	0.44
18.70	0.42	5,783	201.22	0.44
18.80	0.42	5,777	201.22	0.43
18.90	0.42	5,772	201.22	0.43
19.00	0.41	5,768	201.21	0.43
19.10	0.41	5,763	201.21	0.42
19.20	0.41	5,759	201.21	0.42
19.30	0.41	5,755	201.21	0.42
19.40	0.40	5,751	201.21	0.41
19.50	0.40	5,747	201.21	0.41
19.60	0.40	5,743	201.21	0.41
19.70	0.40	5,740	201.21	0.41
19.80	0.39	5,736	201.21	0.40
19.90	0.39	5,733	201.21	0.40
20.00	0.39	5,729	201.21	0.40
20.10	0.38	5,725	201.21	0.39
20.20	0.38	5,721	201.20	0.39
20.30	0.38	5,718	201.20	0.39
20.40	0.38	5,714	201.20	0.39
20.50	0.37	5,710	201.20	0.38
20.60	0.37	5,707	201.20	0.38
20.70	0.37	5,704	201.20	0.38

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.37	5,700	201.20	0.38
20.90	0.36	5,696	201.20	0.37
21.00	0.36	5,692	201.20	0.37
21.10	0.36	5,688	201.20	0.37
21.20	0.35	5,684	201.20	0.37
21.30	0.35	5,681	201.20	0.36
21.40	0.35	5,677	201.20	0.36
21.50	0.35	5,673	201.19	0.36
21.60	0.34	5,669	201.19	0.36
21.70	0.34	5,664	201.19	0.35
21.80	0.34	5,661	201.19	0.35
21.90	0.34	5,657	201.19	0.35
22.00	0.33	5,652	201.19	0.35
22.10	0.33	5,648	201.19	0.34
22.20	0.33	5,644	201.19	0.34
22.30	0.33	5,640	201.19	0.34
22.40	0.32	5,636	201.19	0.33
22.50	0.32	5,631	201.19	0.33
22.60	0.32	5,627	201.18	0.33
22.70	0.31	5,623	201.18	0.33
22.80	0.31	5,619	201.18	0.32
22.90	0.31	5,614	201.18	0.32
23.00	0.31	5,611	201.18	0.32
23.10	0.30	5,607	201.18	0.32
23.20	0.30	5,602	201.18	0.31
23.30	0.30	5,598	201.18	0.31
23.40	0.30	5,594	201.18	0.31
23.50	0.29	5,590	201.18	0.30
23.60	0.29	5,585	201.18	0.30
23.70	0.29	5,581	201.18	0.30
23.80	0.28	5,577	201.17	0.30
23.90	0.28	5,573	201.17	0.29
24.00	0.34	5,579	201.17	0.30
24.10	0.03	5,538	201.17	0.27
24.20	0.00	5,454	201.15	0.22
24.30	0.00	5,382	201.13	0.18
24.40	0.00	5,323	201.12	0.15
24.50	0.00	5,273	201.11	0.12
24.60	0.00	5,232	201.10	0.10
24.70	0.00	5,198	201.09	0.09
24.80	0.00	5,167	201.09	0.08
24.90	0.00	5,141	201.08	0.07
25.00	0.00	5,117	201.08	0.06
25.10	0.00	5,096	201.07	0.05
25.20	0.00	5,078	201.07	0.05
25.30	0.00	5,062	201.07	0.04
25.40	0.00	5,048	201.06	0.04
25.50	0.00	5,035	201.06	0.03
25.60	0.00	5,024	201.06	0.03
25.70	0.00	5,015	201.06	0.03
25.80	0.00	5,006	201.05	0.02
25.90	0.00	4,999	201.05	0.02

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	4,992	201.05	0.02
26.10	0.00	4,986	201.05	0.02
26.20	0.00	4,981	201.05	0.01
26.30	0.00	4,976	201.05	0.01
26.40	0.00	4,971	201.05	0.01
26.50	0.00	4,967	201.05	0.01
26.60	0.00	4,963	201.05	0.01
26.70	0.00	4,959	201.04	0.01
26.80	0.00	4,955	201.04	0.01
26.90	0.00	4,951	201.04	0.01
27.00	0.00	4,948	201.04	0.01
27.10	0.00	4,945	201.04	0.01
27.20	0.00	4,942	201.04	0.01
27.30	0.00	4,939	201.04	0.01
27.40	0.00	4,936	201.04	0.01
27.50	0.00	4,934	201.04	0.01
27.60	0.00	4,932	201.04	0.01
27.70	0.00	4,929	201.04	0.01
27.80	0.00	4,927	201.04	0.01
27.90	0.00	4,925	201.04	0.01
28.00	0.00	4,923	201.04	0.01
28.10	0.00	4,922	201.04	0.00
28.20	0.00	4,920	201.04	0.00
28.30	0.00	4,918	201.04	0.00
28.40	0.00	4,917	201.04	0.00
28.50	0.00	4,915	201.04	0.00
28.60	0.00	4,914	201.03	0.00
28.70	0.00	4,913	201.03	0.00
28.80	0.00	4,912	201.03	0.00
28.90	0.00	4,911	201.03	0.00
29.00	0.00	4,909	201.03	0.00
29.10	0.00	4,908	201.03	0.00
29.20	0.00	4,908	201.03	0.00
29.30	0.00	4,907	201.03	0.00
29.40	0.00	4,906	201.03	0.00
29.50	0.00	4,905	201.03	0.00
29.60	0.00	4,904	201.03	0.00
29.70	0.00	4,904	201.03	0.00
29.80	0.00	4,903	201.03	0.00
29.90	0.00	4,902	201.03	0.00
30.00	0.00	4,902	201.03	0.00
30.10	0.00	4,901	201.03	0.00
30.20	0.00	4,901	201.03	0.00
30.30	0.00	4,900	201.03	0.00
30.40	0.00	4,900	201.03	0.00
30.50	0.00	4,899	201.03	0.00
30.60	0.00	4,899	201.03	0.00
30.70	0.00	4,898	201.03	0.00
30.80	0.00	4,898	201.03	0.00
30.90	0.00	4,898	201.03	0.00
31.00	0.00	4,897	201.03	0.00
31.10	0.00	4,897	201.03	0.00

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	4,897	201.03	0.00
31.30	0.00	4,896	201.03	0.00
31.40	0.00	4,896	201.03	0.00
31.50	0.00	4,896	201.03	0.00
31.60	0.00	4,896	201.03	0.00
31.70	0.00	4,895	201.03	0.00
31.80	0.00	4,895	201.03	0.00
31.90	0.00	4,895	201.03	0.00
32.00	0.00	4,895	201.03	0.00
32.10	0.00	4,895	201.03	0.00
32.20	0.00	4,894	201.03	0.00
32.30	0.00	4,894	201.03	0.00
32.40	0.00	4,894	201.03	0.00
32.50	0.00	4,894	201.03	0.00
32.60	0.00	4,894	201.03	0.00
32.70	0.00	4,894	201.03	0.00
32.80	0.00	4,894	201.03	0.00
32.90	0.00	4,893	201.03	0.00
33.00	0.00	4,893	201.03	0.00
33.10	0.00	4,893	201.03	0.00
33.20	0.00	4,893	201.03	0.00
33.30	0.00	4,893	201.03	0.00
33.40	0.00	4,893	201.03	0.00
33.50	0.00	4,893	201.03	0.00
33.60	0.00	4,893	201.03	0.00
33.70	0.00	4,893	201.03	0.00
33.80	0.00	4,893	201.03	0.00
33.90	0.00	4,893	201.03	0.00
34.00	0.00	4,892	201.03	0.00
34.10	0.00	4,892	201.03	0.00
34.20	0.00	4,892	201.03	0.00
34.30	0.00	4,892	201.03	0.00
34.40	0.00	4,892	201.03	0.00
34.50	0.00	4,892	201.03	0.00
34.60	0.00	4,892	201.03	0.00
34.70	0.00	4,892	201.03	0.00
34.80	0.00	4,892	201.03	0.00
34.90	0.00	4,892	201.03	0.00
35.00	0.00	4,892	201.03	0.00
35.10	0.00	4,892	201.03	0.00
35.20	0.00	4,892	201.03	0.00
35.30	0.00	4,892	201.03	0.00
35.40	0.00	4,892	201.03	0.00
35.50	0.00	4,892	201.03	0.00
35.60	0.00	4,892	201.03	0.00
35.70	0.00	4,892	201.03	0.00
35.80	0.00	4,892	201.03	0.00
35.90	0.00	4,892	201.03	0.00
36.00	0.00	4,892	201.03	0.00
36.10	0.00	4,892	201.03	0.00
36.20	0.00	4,892	201.03	0.00
36.30	0.00	4,892	201.03	0.00

Hydrograph for Pond B-53: Basin #53 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	4,892	201.03	0.00
36.50	0.00	4,892	201.03	0.00
36.60	0.00	4,892	201.03	0.00
36.70	0.00	4,892	201.03	0.00
36.80	0.00	4,892	201.03	0.00
36.90	0.00	4,892	201.03	0.00
37.00	0.00	4,892	201.03	0.00
37.10	0.00	4,892	201.03	0.00
37.20	0.00	4,892	201.03	0.00
37.30	0.00	4,892	201.03	0.00
37.40	0.00	4,892	201.03	0.00
37.50	0.00	4,892	201.03	0.00
37.60	0.00	4,892	201.03	0.00
37.70	0.00	4,892	201.03	0.00
37.80	0.00	4,892	201.03	0.00
37.90	0.00	4,892	201.03	0.00
38.00	0.00	4,892	201.03	0.00
38.10	0.00	4,892	201.03	0.00
38.20	0.00	4,892	201.03	0.00
38.30	0.00	4,892	201.03	0.00
38.40	0.00	4,892	201.03	0.00
38.50	0.00	4,892	201.03	0.00
38.60	0.00	4,892	201.03	0.00
38.70	0.00	4,892	201.03	0.00
38.80	0.00	4,892	201.03	0.00
38.90	0.00	4,892	201.03	0.00
39.00	0.00	4,892	201.03	0.00
39.10	0.00	4,892	201.03	0.00
39.20	0.00	4,892	201.03	0.00
39.30	0.00	4,892	201.03	0.00
39.40	0.00	4,892	201.03	0.00
39.50	0.00	4,892	201.03	0.00
39.60	0.00	4,892	201.03	0.00
39.70	0.00	4,892	201.03	0.00
39.80	0.00	4,892	201.03	0.00
39.90	0.00	4,892	201.03	0.00
40.00	0.00	4,892	201.03	0.00

Stage-Discharge for Pond B-53: Basin #53

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
200.00	0.00	200.52	0.00	201.04	0.01	201.56	1.60
200.01	0.00	200.53	0.00	201.05	0.02	201.57	1.62
200.02	0.00	200.54	0.00	201.06	0.03	201.58	1.64
200.03	0.00	200.55	0.00	201.07	0.04	201.59	1.66
200.04	0.00	200.56	0.00	201.08	0.06	201.60	1.69
200.05	0.00	200.57	0.00	201.09	0.08	201.61	1.71
200.06	0.00	200.58	0.00	201.10	0.10	201.62	1.73
200.07	0.00	200.59	0.00	201.11	0.12	201.63	1.75
200.08	0.00	200.60	0.00	201.12	0.14	201.64	1.77
200.09	0.00	200.61	0.00	201.13	0.17	201.65	1.79
200.10	0.00	200.62	0.00	201.14	0.20	201.66	1.81
200.11	0.00	200.63	0.00	201.15	0.22	201.67	1.83
200.12	0.00	200.64	0.00	201.16	0.25	201.68	1.85
200.13	0.00	200.65	0.00	201.17	0.28	201.69	1.87
200.14	0.00	200.66	0.00	201.18	0.31	201.70	1.89
200.15	0.00	200.67	0.00	201.19	0.34	201.71	1.91
200.16	0.00	200.68	0.00	201.20	0.37	201.72	1.93
200.17	0.00	200.69	0.00	201.21	0.41	201.73	1.95
200.18	0.00	200.70	0.00	201.22	0.44	201.74	1.96
200.19	0.00	200.71	0.00	201.23	0.48	201.75	1.98
200.20	0.00	200.72	0.00	201.24	0.51	201.76	2.00
200.21	0.00	200.73	0.00	201.25	0.55	201.77	2.02
200.22	0.00	200.74	0.00	201.26	0.59	201.78	2.04
200.23	0.00	200.75	0.00	201.27	0.63	201.79	2.05
200.24	0.00	200.76	0.00	201.28	0.67	201.80	2.07
200.25	0.00	200.77	0.00	201.29	0.71	201.81	2.09
200.26	0.00	200.78	0.00	201.30	0.75	201.82	2.11
200.27	0.00	200.79	0.00	201.31	0.79	201.83	2.12
200.28	0.00	200.80	0.00	201.32	0.84	201.84	2.14
200.29	0.00	200.81	0.00	201.33	0.88	201.85	2.16
200.30	0.00	200.82	0.00	201.34	0.92	201.86	2.17
200.31	0.00	200.83	0.00	201.35	0.97	201.87	2.19
200.32	0.00	200.84	0.00	201.36	1.01	201.88	2.21
200.33	0.00	200.85	0.00	201.37	1.06	201.89	2.22
200.34	0.00	200.86	0.00	201.38	1.10	201.90	2.24
200.35	0.00	200.87	0.00	201.39	1.13	201.91	2.25
200.36	0.00	200.88	0.00	201.40	1.17	201.92	2.27
200.37	0.00	200.89	0.00	201.41	1.20	201.93	2.29
200.38	0.00	200.90	0.00	201.42	1.23	201.94	2.30
200.39	0.00	200.91	0.00	201.43	1.26	201.95	2.32
200.40	0.00	200.92	0.00	201.44	1.29	201.96	2.33
200.41	0.00	200.93	0.00	201.45	1.32	201.97	2.35
200.42	0.00	200.94	0.00	201.46	1.35	201.98	2.36
200.43	0.00	200.95	0.00	201.47	1.38	201.99	2.38
200.44	0.00	200.96	0.00	201.48	1.40	202.00	2.39
200.45	0.00	200.97	0.00	201.49	1.43	202.01	2.41
200.46	0.00	200.98	0.00	201.50	1.45	202.02	2.42
200.47	0.00	200.99	0.00	201.51	1.48	202.03	2.44
200.48	0.00	201.00	0.00	201.52	1.50	202.04	2.45
200.49	0.00	201.01	0.00	201.53	1.53	202.05	2.47
200.50	0.00	201.02	0.00	201.54	1.55	202.06	2.48
200.51	0.00	201.03	0.00	201.55	1.57	202.07	2.50

Stage-Discharge for Pond B-53: Basin #53 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
202.08	2.51	202.60	5.91	203.12	8.79	203.64	10.78
202.09	2.52	202.61	6.00	203.13	8.83	203.65	10.81
202.10	2.54	202.62	6.08	203.14	8.88	203.66	10.85
202.11	2.56	202.63	6.15	203.15	8.92	203.67	10.88
202.12	2.59	202.64	6.23	203.16	8.96	203.68	10.91
202.13	2.62	202.65	6.30	203.17	9.00	203.69	10.95
202.14	2.66	202.66	6.37	203.18	9.05	203.70	10.98
202.15	2.70	202.67	6.44	203.19	9.09	203.71	11.02
202.16	2.74	202.68	6.51	203.20	9.13	203.72	11.05
202.17	2.78	202.69	6.57	203.21	9.17	203.73	11.08
202.18	2.82	202.70	6.64	203.22	9.21	203.74	11.12
202.19	2.87	202.71	6.70	203.23	9.25	203.75	11.15
202.20	2.92	202.72	6.76	203.24	9.29	203.76	11.18
202.21	2.97	202.73	6.83	203.25	9.33	203.77	11.21
202.22	3.03	202.74	6.89	203.26	9.37	203.78	11.25
202.23	3.08	202.75	6.95	203.27	9.41	203.79	11.28
202.24	3.14	202.76	7.01	203.28	9.45	203.80	11.31
202.25	3.19	202.77	7.06	203.29	9.49	203.81	11.34
202.26	3.25	202.78	7.12	203.30	9.53	203.82	11.38
202.27	3.31	202.79	7.18	203.31	9.57	203.83	11.41
202.28	3.37	202.80	7.24	203.32	9.61	203.84	11.44
202.29	3.44	202.81	7.29	203.33	9.65	203.85	11.47
202.30	3.50	202.82	7.35	203.34	9.69	203.86	11.51
202.31	3.57	202.83	7.40	203.35	9.73	203.87	11.54
202.32	3.63	202.84	7.45	203.36	9.77	203.88	11.57
202.33	3.70	202.85	7.51	203.37	9.80	203.89	11.60
202.34	3.77	202.86	7.56	203.38	9.84	203.90	11.63
202.35	3.84	202.87	7.61	203.39	9.88	203.91	11.66
202.36	3.91	202.88	7.66	203.40	9.92	203.92	11.70
202.37	3.98	202.89	7.72	203.41	9.95	203.93	11.73
202.38	4.06	202.90	7.77	203.42	9.99	203.94	11.76
202.39	4.13	202.91	7.82	203.43	10.03	203.95	11.79
202.40	4.21	202.92	7.87	203.44	10.07	203.96	11.82
202.41	4.28	202.93	7.92	203.45	10.10	203.97	11.85
202.42	4.36	202.94	7.96	203.46	10.14	203.98	11.88
202.43	4.44	202.95	8.01	203.47	10.18	203.99	11.91
202.44	4.52	202.96	8.06	203.48	10.21	204.00	11.94
202.45	4.60	202.97	8.11	203.49	10.25	204.01	11.99
202.46	4.68	202.98	8.16	203.50	10.29	204.02	12.04
202.47	4.76	202.99	8.20	203.51	10.32	204.03	12.10
202.48	4.85	203.00	8.25	203.52	10.36	204.04	12.17
202.49	4.93	203.01	8.30	203.53	10.39	204.05	12.24
202.50	5.01	203.02	8.34	203.54	10.43	204.06	12.32
202.51	5.10	203.03	8.39	203.55	10.46	204.07	12.40
202.52	5.19	203.04	8.44	203.56	10.50	204.08	12.48
202.53	5.27	203.05	8.48	203.57	10.54	204.09	12.57
202.54	5.36	203.06	8.53	203.58	10.57	204.10	12.66
202.55	5.45	203.07	8.57	203.59	10.61	204.11	12.75
202.56	5.54	203.08	8.62	203.60	10.64	204.12	12.85
202.57	5.63	203.09	8.66	203.61	10.67	204.13	12.95
202.58	5.72	203.10	8.70	203.62	10.71	204.14	13.05
202.59	5.82	203.11	8.75	203.63	10.74	204.15	13.15

Stage-Discharge for Pond B-53: Basin #53 (continued)

Elevation (feet)	Primary (cfs)
204.16	13.26
204.17	13.36
204.18	13.47
204.19	13.59
204.20	13.70
204.21	13.82
204.22	13.94
204.23	14.06
204.24	14.18
204.25	14.30
204.26	14.43
204.27	14.56
204.28	14.68
204.29	14.82
204.30	14.95
204.31	15.08
204.32	15.22
204.33	15.35
204.34	15.49
204.35	15.63
204.36	15.77
204.37	15.92
204.38	16.06
204.39	16.21
204.40	16.36
204.41	16.50
204.42	16.65
204.43	16.80
204.44	16.96
204.45	17.11
204.46	17.27
204.47	17.42
204.48	17.58
204.49	17.74
204.50	17.90
204.51	18.17
204.52	18.55
204.53	18.99
204.54	19.48
204.55	20.02
204.56	20.60
204.57	21.22
204.58	21.87
204.59	22.56
204.60	23.27
204.61	24.02
204.62	24.79
204.63	25.59
204.64	26.42
204.65	27.27
204.66	28.14
204.67	29.04
204.68	29.97
204.69	30.91
204.70	31.88
204.71	32.91
204.72	33.96
204.73	35.04
204.74	36.15
204.75	37.28
204.76	38.44
204.77	39.63
204.78	40.84
204.79	42.07
204.80	43.33
204.81	44.62
204.82	45.93
204.83	47.27
204.84	48.63
204.85	50.02
204.86	51.43
204.87	52.87
204.88	54.33
204.89	55.82
204.90	57.33
204.91	58.89
204.92	60.48
204.93	62.10
204.94	63.74
204.95	65.42
204.96	67.11
204.97	68.84
204.98	70.59
204.99	72.37
205.00	**74.18**

Stage-Area-Storage for Pond B-53: Basin #53

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
200.00	**4,749**	0	200.52	4,749	2,469
200.01	4,749	47	200.53	4,749	2,517
200.02	4,749	95	200.54	4,749	2,564
200.03	4,749	142	200.55	4,749	2,612
200.04	4,749	190	200.56	4,749	2,659
200.05	4,749	237	200.57	4,749	2,707
200.06	4,749	285	200.58	4,749	2,754
200.07	4,749	332	200.59	4,749	2,802
200.08	4,749	380	200.60	4,749	2,849
200.09	4,749	427	200.61	4,749	2,897
200.10	4,749	475	200.62	4,749	2,944
200.11	4,749	522	200.63	4,749	2,992
200.12	4,749	570	200.64	4,749	3,039
200.13	4,749	617	200.65	4,749	3,087
200.14	4,749	665	200.66	4,749	3,134
200.15	4,749	712	200.67	4,749	3,182
200.16	4,749	760	200.68	4,749	3,229
200.17	4,749	807	200.69	4,749	3,277
200.18	4,749	855	200.70	4,749	3,324
200.19	4,749	902	200.71	4,749	3,372
200.20	4,749	950	200.72	4,749	3,419
200.21	4,749	997	200.73	4,749	3,467
200.22	4,749	1,045	200.74	4,749	3,514
200.23	4,749	1,092	200.75	4,749	3,562
200.24	4,749	1,140	200.76	4,749	3,609
200.25	4,749	1,187	200.77	4,749	3,657
200.26	4,749	1,235	200.78	4,749	3,704
200.27	4,749	1,282	200.79	4,749	3,752
200.28	4,749	1,330	200.80	4,749	3,799
200.29	4,749	1,377	200.81	4,749	3,847
200.30	4,749	1,425	200.82	4,749	3,894
200.31	4,749	1,472	200.83	4,749	3,942
200.32	4,749	1,520	200.84	4,749	3,989
200.33	4,749	1,567	200.85	4,749	4,037
200.34	4,749	1,615	200.86	4,749	4,084
200.35	4,749	1,662	200.87	4,749	4,132
200.36	4,749	1,710	200.88	4,749	4,179
200.37	4,749	1,757	200.89	4,749	4,227
200.38	4,749	1,805	200.90	4,749	4,274
200.39	4,749	1,852	200.91	4,749	4,322
200.40	4,749	1,900	200.92	4,749	4,369
200.41	4,749	1,947	200.93	4,749	4,417
200.42	4,749	1,995	200.94	4,749	4,464
200.43	4,749	2,042	200.95	4,749	4,512
200.44	4,749	2,090	200.96	4,749	4,559
200.45	4,749	2,137	200.97	4,749	4,607
200.46	4,749	2,185	200.98	4,749	4,654
200.47	4,749	2,232	200.99	4,749	4,702
200.48	4,749	2,280	201.00	4,749	4,749
200.49	4,749	2,327	201.01	4,749	4,796
200.50	4,749	2,375	201.02	4,749	4,844
200.51	4,749	2,422	201.03	4,749	4,891

Stage-Area-Storage for Pond B-53: Basin #53 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
201.04	4,749	4,939
201.05	4,749	4,986
201.06	4,749	5,034
201.07	4,749	5,081
201.08	4,749	5,129
201.09	4,749	5,176
201.10	4,749	5,224
201.11	4,749	5,271
201.12	4,749	5,319
201.13	4,749	5,366
201.14	4,749	5,414
201.15	4,749	5,461
201.16	4,749	5,509
201.17	4,749	5,556
201.18	4,749	5,604
201.19	4,749	5,651
201.20	4,749	5,699
201.21	4,749	5,746
201.22	4,749	5,794
201.23	4,749	5,841
201.24	4,749	5,889
201.25	4,749	5,936
201.26	4,749	5,984
201.27	4,749	6,031
201.28	4,749	6,079
201.29	4,749	6,126
201.30	4,749	6,174
201.31	4,749	6,221
201.32	4,749	6,269
201.33	4,749	6,316
201.34	4,749	6,364
201.35	4,749	6,411
201.36	4,749	6,459
201.37	4,749	6,506
201.38	4,749	6,554
201.39	4,749	6,601
201.40	4,749	6,649
201.41	4,749	6,696
201.42	4,749	6,744
201.43	4,749	6,791
201.44	4,749	6,839
201.45	4,749	6,886
201.46	4,749	6,934
201.47	4,749	6,981
201.48	4,749	7,029
201.49	4,749	7,076
201.50	4,749	7,124
201.51	4,749	7,171
201.52	4,749	7,218
201.53	4,749	7,266
201.54	4,749	7,313
201.55	4,749	7,361
201.56	4,749	7,408
201.57	4,749	7,456
201.58	4,749	7,503
201.59	4,749	7,551
201.60	4,749	7,598
201.61	4,749	7,646
201.62	4,749	7,693
201.63	4,749	7,741
201.64	4,749	7,788
201.65	4,749	7,836
201.66	4,749	7,883
201.67	4,749	7,931
201.68	4,749	7,978
201.69	4,749	8,026
201.70	4,749	8,073
201.71	4,749	8,121
201.72	4,749	8,168
201.73	4,749	8,216
201.74	4,749	8,263
201.75	4,749	8,311
201.76	4,749	8,358
201.77	4,749	8,406
201.78	4,749	8,453
201.79	4,749	8,501
201.80	4,749	8,548
201.81	4,749	8,596
201.82	4,749	8,643
201.83	4,749	8,691
201.84	4,749	8,738
201.85	4,749	8,786
201.86	4,749	8,833
201.87	4,749	8,881
201.88	4,749	8,928
201.89	4,749	8,976
201.90	4,749	9,023
201.91	4,749	9,071
201.92	4,749	9,118
201.93	4,749	9,166
201.94	4,749	9,213
201.95	4,749	9,261
201.96	4,749	9,308
201.97	4,749	9,356
201.98	4,749	9,403
201.99	4,749	9,451
202.00	4,749	9,498
202.01	4,749	9,545
202.02	4,749	9,593
202.03	4,749	9,640
202.04	4,749	9,688
202.05	4,749	9,735
202.06	4,749	9,783
202.07	4,749	9,830

Stage-Area-Storage for Pond B-53: Basin #53 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
202.08	4,749	9,878	202.60	4,749	12,347
202.09	4,749	9,925	202.61	4,749	12,395
202.10	4,749	9,973	202.62	4,749	12,442
202.11	4,749	10,020	202.63	4,749	12,490
202.12	4,749	10,068	202.64	4,749	12,537
202.13	4,749	10,115	202.65	4,749	12,585
202.14	4,749	10,163	202.66	4,749	12,632
202.15	4,749	10,210	202.67	4,749	12,680
202.16	4,749	10,258	202.68	4,749	12,727
202.17	4,749	10,305	202.69	4,749	12,775
202.18	4,749	10,353	202.70	4,749	12,822
202.19	4,749	10,400	202.71	4,749	12,870
202.20	4,749	10,448	202.72	4,749	12,917
202.21	4,749	10,495	202.73	4,749	12,965
202.22	4,749	10,543	202.74	4,749	13,012
202.23	4,749	10,590	202.75	4,749	13,060
202.24	4,749	10,638	202.76	4,749	13,107
202.25	4,749	10,685	202.77	4,749	13,155
202.26	4,749	10,733	202.78	4,749	13,202
202.27	4,749	10,780	202.79	4,749	13,250
202.28	4,749	10,828	202.80	4,749	13,297
202.29	4,749	10,875	202.81	4,749	13,345
202.30	4,749	10,923	202.82	4,749	13,392
202.31	4,749	10,970	202.83	4,749	13,440
202.32	4,749	11,018	202.84	4,749	13,487
202.33	4,749	11,065	202.85	4,749	13,535
202.34	4,749	11,113	202.86	4,749	13,582
202.35	4,749	11,160	202.87	4,749	13,630
202.36	4,749	11,208	202.88	4,749	13,677
202.37	4,749	11,255	202.89	4,749	13,725
202.38	4,749	11,303	202.90	4,749	13,772
202.39	4,749	11,350	202.91	4,749	13,820
202.40	4,749	11,398	202.92	4,749	13,867
202.41	4,749	11,445	202.93	4,749	13,915
202.42	4,749	11,493	202.94	4,749	13,962
202.43	4,749	11,540	202.95	4,749	14,010
202.44	4,749	11,588	202.96	4,749	14,057
202.45	4,749	11,635	202.97	4,749	14,105
202.46	4,749	11,683	202.98	4,749	14,152
202.47	4,749	11,730	202.99	4,749	14,200
202.48	4,749	11,778	203.00	4,749	14,247
202.49	4,749	11,825	203.01	4,749	14,294
202.50	4,749	11,873	203.02	4,749	14,342
202.51	4,749	11,920	203.03	4,749	14,389
202.52	4,749	11,967	203.04	4,749	14,437
202.53	4,749	12,015	203.05	4,749	14,484
202.54	4,749	12,062	203.06	4,749	14,532
202.55	4,749	12,110	203.07	4,749	14,579
202.56	4,749	12,157	203.08	4,749	14,627
202.57	4,749	12,205	203.09	4,749	14,674
202.58	4,749	12,252	203.10	4,749	14,722
202.59	4,749	12,300	203.11	4,749	14,769

Stage-Area-Storage for Pond B-53: Basin #53 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
203.12	4,749	14,817	203.64	4,749	17,286
203.13	4,749	14,864	203.65	4,749	17,334
203.14	4,749	14,912	203.66	4,749	17,381
203.15	4,749	14,959	203.67	4,749	17,429
203.16	4,749	15,007	203.68	4,749	17,476
203.17	4,749	15,054	203.69	4,749	17,524
203.18	4,749	15,102	203.70	4,749	17,571
203.19	4,749	15,149	203.71	4,749	17,619
203.20	4,749	15,197	203.72	4,749	17,666
203.21	4,749	15,244	203.73	4,749	17,714
203.22	4,749	15,292	203.74	4,749	17,761
203.23	4,749	15,339	203.75	4,749	17,809
203.24	4,749	15,387	203.76	4,749	17,856
203.25	4,749	15,434	203.77	4,749	17,904
203.26	4,749	15,482	203.78	4,749	17,951
203.27	4,749	15,529	203.79	4,749	17,999
203.28	4,749	15,577	203.80	4,749	18,046
203.29	4,749	15,624	203.81	4,749	18,094
203.30	4,749	15,672	203.82	4,749	18,141
203.31	4,749	15,719	203.83	4,749	18,189
203.32	4,749	15,767	203.84	4,749	18,236
203.33	4,749	15,814	203.85	4,749	18,284
203.34	4,749	15,862	203.86	4,749	18,331
203.35	4,749	15,909	203.87	4,749	18,379
203.36	4,749	15,957	203.88	4,749	18,426
203.37	4,749	16,004	203.89	4,749	18,474
203.38	4,749	16,052	203.90	4,749	18,521
203.39	4,749	16,099	203.91	4,749	18,569
203.40	4,749	16,147	203.92	4,749	18,616
203.41	4,749	16,194	203.93	4,749	18,664
203.42	4,749	16,242	203.94	4,749	18,711
203.43	4,749	16,289	203.95	4,749	18,759
203.44	4,749	16,337	203.96	4,749	18,806
203.45	4,749	16,384	203.97	4,749	18,854
203.46	4,749	16,432	203.98	4,749	18,901
203.47	4,749	16,479	203.99	4,749	18,949
203.48	4,749	16,527	204.00	4,749	18,996
203.49	4,749	16,574	204.01	4,749	19,043
203.50	4,749	16,622	204.02	4,749	19,091
203.51	4,749	16,669	204.03	4,749	19,138
203.52	4,749	16,716	204.04	4,749	19,186
203.53	4,749	16,764	204.05	4,749	19,233
203.54	4,749	16,811	204.06	4,749	19,281
203.55	4,749	16,859	204.07	4,749	19,328
203.56	4,749	16,906	204.08	4,749	19,376
203.57	4,749	16,954	204.09	4,749	19,423
203.58	4,749	17,001	204.10	4,749	19,471
203.59	4,749	17,049	204.11	4,749	19,518
203.60	4,749	17,096	204.12	4,749	19,566
203.61	4,749	17,144	204.13	4,749	19,613
203.62	4,749	17,191	204.14	4,749	19,661
203.63	4,749	17,239	204.15	4,749	19,708

Stage-Area-Storage for Pond B-53: Basin #53 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
204.16	4,749	19,756
204.17	4,749	19,803
204.18	4,749	19,851
204.19	4,749	19,898
204.20	4,749	19,946
204.21	4,749	19,993
204.22	4,749	20,041
204.23	4,749	20,088
204.24	4,749	20,136
204.25	4,749	20,183
204.26	4,749	20,231
204.27	4,749	20,278
204.28	4,749	20,326
204.29	4,749	20,373
204.30	4,749	20,421
204.31	4,749	20,468
204.32	4,749	20,516
204.33	4,749	20,563
204.34	4,749	20,611
204.35	4,749	20,658
204.36	4,749	20,706
204.37	4,749	20,753
204.38	4,749	20,801
204.39	4,749	20,848
204.40	4,749	20,896
204.41	4,749	20,943
204.42	4,749	20,991
204.43	4,749	21,038
204.44	4,749	21,086
204.45	4,749	21,133
204.46	4,749	21,181
204.47	4,749	21,228
204.48	4,749	21,276
204.49	4,749	21,323
204.50	4,749	21,371
204.51	4,749	21,418
204.52	4,749	21,465
204.53	4,749	21,513
204.54	4,749	21,560
204.55	4,749	21,608
204.56	4,749	21,655
204.57	4,749	21,703
204.58	4,749	21,750
204.59	4,749	21,798
204.60	4,749	21,845
204.61	4,749	21,893
204.62	4,749	21,940
204.63	4,749	21,988
204.64	4,749	22,035
204.65	4,749	22,083
204.66	4,749	22,130
204.67	4,749	22,178
204.68	4,749	22,225
204.69	4,749	22,273
204.70	4,749	22,320
204.71	4,749	22,368
204.72	4,749	22,415
204.73	4,749	22,463
204.74	4,749	22,510
204.75	4,749	22,558
204.76	4,749	22,605
204.77	4,749	22,653
204.78	4,749	22,700
204.79	4,749	22,748
204.80	4,749	22,795
204.81	4,749	22,843
204.82	4,749	22,890
204.83	4,749	22,938
204.84	4,749	22,985
204.85	4,749	23,033
204.86	4,749	23,080
204.87	4,749	23,128
204.88	4,749	23,175
204.89	4,749	23,223
204.90	4,749	23,270
204.91	4,749	23,318
204.92	4,749	23,365
204.93	4,749	23,413
204.94	4,749	23,460
204.95	4,749	23,508
204.96	4,749	23,555
204.97	4,749	23,603
204.98	4,749	23,650
204.99	4,749	23,698
205.00	4,749	**23,745**

Summary for Pond B-54: Basin #54

Inflow Area = 2.570 ac, 60.47% Impervious, Inflow Depth = 9.58" for Future 100 yr event
Inflow = 27.00 cfs @ 12.09 hrs, Volume= 2.052 af
Outflow = 19.50 cfs @ 12.17 hrs, Volume= 1.912 af, Atten= 28%, Lag= 4.4 min
Primary = 19.50 cfs @ 12.17 hrs, Volume= 1.912 af
Routed to Pond B-51 : Basin #51

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 202.52' @ 12.17 hrs Surf.Area= 5,114 sf Storage= 23,114 cf

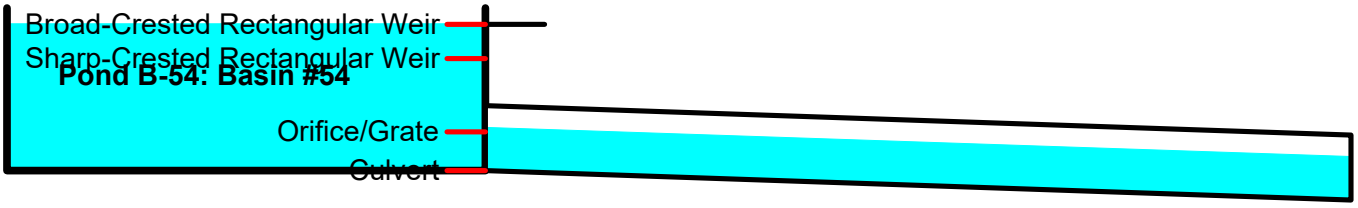
Plug-Flow detention time= 100.9 min calculated for 1.912 af (93% of inflow)
Center-of-Mass det. time= 61.8 min (820.4 - 758.6)

Volume	Invert	Avail.Storage	Storage Description
#1	198.00'	25,570 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

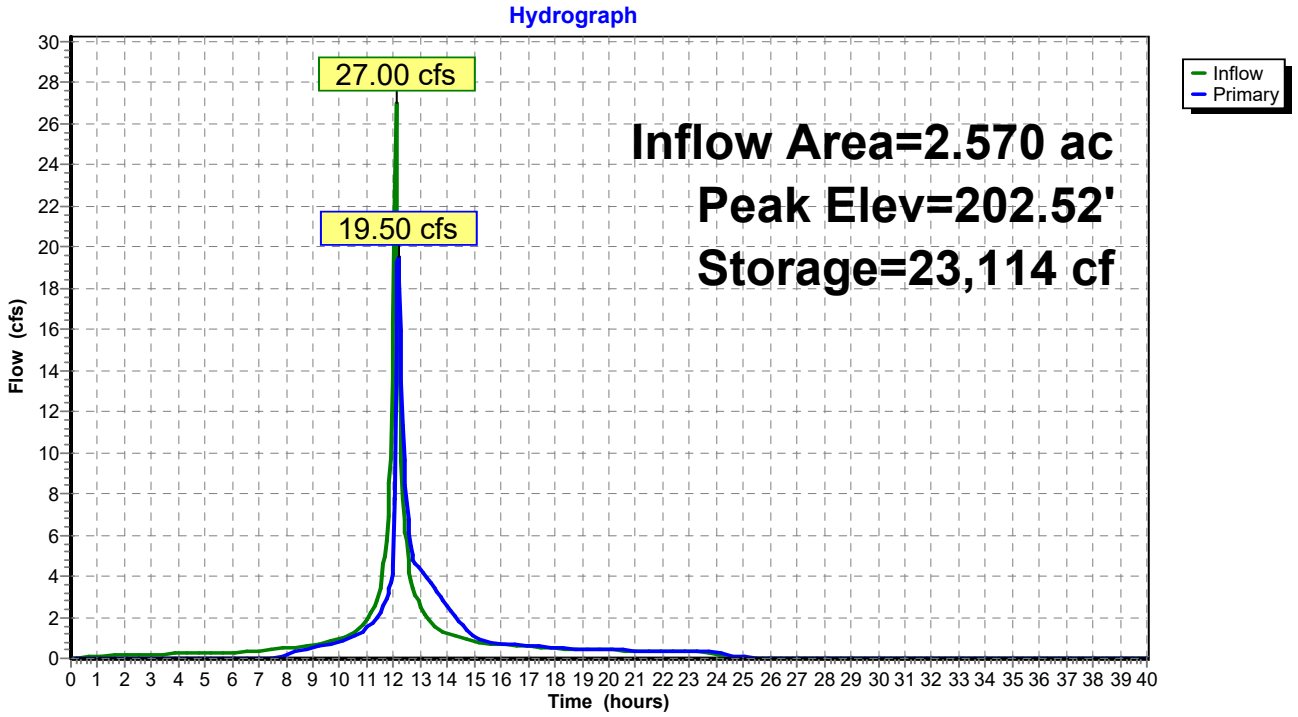
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
198.00	5,114	0	0
199.00	5,114	5,114	5,114
200.00	5,114	5,114	10,228
201.00	5,114	5,114	15,342
202.00	5,114	5,114	20,456
203.00	5,114	5,114	25,570

Device	Routing	Invert	Outlet Devices
#1	Primary	198.00'	**24.0" Round Culvert** L= 73.0' Ke= 0.500 Inlet / Outlet Invert= 198.00' / 197.10' S= 0.0123 '/' Cc= 0.900 n= 0.013, Flow Area= 3.14 sf
#2	Device 1	199.19'	**24.0" W x 4.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	201.45'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	202.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=18.86 cfs @ 12.17 hrs HW=202.49' (Free Discharge)
- **1=Culvert** (Passes 18.86 cfs of 28.26 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 5.68 cfs @ 8.52 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 13.18 cfs @ 3.34 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-54: Basin #54



Hydrograph for Pond B-54: Basin #54

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	198.00	0.00
0.10	0.00	0	198.00	0.00
0.20	0.00	0	198.00	0.00
0.30	0.00	0	198.00	0.00
0.40	0.01	1	198.00	0.00
0.50	0.02	6	198.00	0.00
0.60	0.04	18	198.00	0.00
0.70	0.06	35	198.01	0.00
0.80	0.07	57	198.01	0.00
0.90	0.08	83	198.02	0.00
1.00	0.09	114	198.02	0.00
1.10	0.10	148	198.03	0.00
1.20	0.11	185	198.04	0.00
1.30	0.12	225	198.04	0.00
1.40	0.12	268	198.05	0.00
1.50	0.13	313	198.06	0.00
1.60	0.14	361	198.07	0.00
1.70	0.14	411	198.08	0.00
1.80	0.15	463	198.09	0.00
1.90	0.15	517	198.10	0.00
2.00	0.16	573	198.11	0.00
2.10	0.16	630	198.12	0.00
2.20	0.17	689	198.13	0.00
2.30	0.17	750	198.15	0.00
2.40	0.17	812	198.16	0.00
2.50	0.18	876	198.17	0.00
2.60	0.18	940	198.18	0.00
2.70	0.19	1,006	198.20	0.00
2.80	0.19	1,074	198.21	0.00
2.90	0.19	1,143	198.22	0.00
3.00	0.20	1,212	198.24	0.00
3.10	0.20	1,283	198.25	0.00
3.20	0.20	1,355	198.27	0.00
3.30	0.20	1,428	198.28	0.00
3.40	0.21	1,502	198.29	0.00
3.50	0.21	1,578	198.31	0.00
3.60	0.21	1,654	198.32	0.00
3.70	0.22	1,731	198.34	0.00
3.80	0.22	1,809	198.35	0.00
3.90	0.22	1,888	198.37	0.00
4.00	0.22	1,968	198.38	0.00
4.10	0.23	2,049	198.40	0.00
4.20	0.23	2,131	198.42	0.00
4.30	0.23	2,213	198.43	0.00
4.40	0.23	2,297	198.45	0.00
4.50	0.24	2,381	198.47	0.00
4.60	0.24	2,466	198.48	0.00
4.70	0.24	2,552	198.50	0.00
4.80	0.24	2,639	198.52	0.00
4.90	0.24	2,727	198.53	0.00
5.00	0.25	2,815	198.55	0.00
5.10	0.25	2,904	198.57	0.00

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.25	2,995	198.59	0.00
5.30	0.26	3,086	198.60	0.00
5.40	0.26	3,179	198.62	0.00
5.50	0.26	3,273	198.64	0.00
5.60	0.27	3,368	198.66	0.00
5.70	0.27	3,465	198.68	0.00
5.80	0.27	3,563	198.70	0.00
5.90	0.28	3,663	198.72	0.00
6.00	0.28	3,764	198.74	0.00
6.10	0.29	3,867	198.76	0.00
6.20	0.30	3,973	198.78	0.00
6.30	0.31	4,083	198.80	0.00
6.40	0.32	4,196	198.82	0.00
6.50	0.33	4,313	198.84	0.00
6.60	0.34	4,433	198.87	0.00
6.70	0.35	4,556	198.89	0.00
6.80	0.35	4,683	198.92	0.00
6.90	0.37	4,813	198.94	0.00
7.00	0.38	4,947	198.97	0.00
7.10	0.39	5,084	198.99	0.00
7.20	0.40	5,225	199.02	0.00
7.30	0.40	5,369	199.05	0.00
7.40	0.42	5,518	199.08	0.00
7.50	0.43	5,670	199.11	0.00
7.60	0.44	5,825	199.14	0.00
7.70	0.45	5,984	199.17	0.00
7.80	0.46	6,147	199.20	0.01
7.90	0.47	6,300	199.23	0.06
8.00	0.48	6,439	199.26	0.12
8.10	0.49	6,559	199.28	0.19
8.20	0.50	6,660	199.30	0.24
8.30	0.51	6,745	199.32	0.30
8.40	0.52	6,814	199.33	0.35
8.50	0.53	6,871	199.34	0.39
8.60	0.54	6,920	199.35	0.42
8.70	0.56	6,960	199.36	0.46
8.80	0.57	6,993	199.37	0.48
8.90	0.58	7,021	199.37	0.51
9.00	0.59	7,046	199.38	0.53
9.10	0.62	7,072	199.38	0.55
9.20	0.66	7,102	199.39	0.57
9.30	0.69	7,135	199.40	0.60
9.40	0.73	7,171	199.40	0.63
9.50	0.76	7,208	199.41	0.66
9.60	0.80	7,246	199.42	0.70
9.70	0.84	7,285	199.42	0.73
9.80	0.88	7,324	199.43	0.77
9.90	0.92	7,364	199.44	0.80
10.00	0.95	7,405	199.45	0.84
10.10	0.99	7,445	199.46	0.88
10.20	1.03	7,486	199.46	0.92
10.30	1.07	7,526	199.47	0.96

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	1.11	7,565	199.48	1.00
10.50	1.15	7,606	199.49	1.04
10.60	1.27	7,660	199.50	1.10
10.70	1.41	7,738	199.51	1.17
10.80	1.55	7,835	199.53	1.27
10.90	1.69	7,946	199.55	1.37
11.00	1.84	8,075	199.58	1.47
11.10	2.09	8,238	199.61	1.58
11.20	2.35	8,448	199.65	1.72
11.30	2.63	8,705	199.70	1.87
11.40	2.91	9,007	199.76	2.03
11.50	3.17	9,344	199.83	2.19
11.60	4.59	9,942	199.94	2.45
11.70	5.20	10,774	200.11	2.77
11.80	6.92	11,921	200.33	3.16
11.90	9.68	13,723	200.68	3.69
12.00	16.28	17,044	201.33	4.51
12.10	**26.89**	**21,913**	**202.28**	**15.05**
12.20	15.29	**22,823**	**202.46**	**18.32**
12.30	9.65	21,448	202.19	13.49
12.40	6.71	20,190	201.95	9.65
12.50	5.75	19,356	201.78	7.50
12.60	4.13	18,670	201.65	6.03
12.70	3.52	18,054	201.53	5.04
12.80	3.17	17,525	201.43	4.62
12.90	2.86	16,963	201.32	4.49
13.00	2.57	16,342	201.20	4.35
13.10	2.28	15,669	201.06	4.19
13.20	2.08	14,971	200.93	4.02
13.30	1.92	14,272	200.79	3.84
13.40	1.76	13,581	200.66	3.66
13.50	1.60	12,901	200.52	3.46
13.60	1.45	12,236	200.39	3.26
13.70	1.37	11,603	200.27	3.06
13.80	1.32	11,022	200.16	2.86
13.90	1.28	10,495	200.05	2.67
14.00	1.24	10,021	199.96	2.48
14.10	1.20	9,598	199.88	2.30
14.20	1.16	9,224	199.80	2.13
14.30	1.12	8,895	199.74	1.97
14.40	1.08	8,609	199.68	1.81
14.50	1.04	8,363	199.64	1.67
14.60	1.00	8,154	199.59	1.53
14.70	0.95	7,978	199.56	1.40
14.80	0.91	7,833	199.53	1.27
14.90	0.87	7,719	199.51	1.15
15.00	0.83	7,625	199.49	1.06
15.10	0.79	7,548	199.48	0.98
15.20	0.77	7,486	199.46	0.92
15.30	0.76	7,437	199.45	0.87
15.40	0.75	7,400	199.45	0.84
15.50	0.74	7,371	199.44	0.81

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.73	7,346	199.44	0.79
15.70	0.71	7,325	199.43	0.77
15.80	0.70	7,306	199.43	0.75
15.90	0.69	7,289	199.43	0.74
16.00	0.68	7,273	199.42	0.72
16.10	0.67	7,259	199.42	0.71
16.20	0.66	7,246	199.42	0.70
16.30	0.65	7,232	199.41	0.68
16.40	0.64	7,219	199.41	0.67
16.50	0.63	7,206	199.41	0.66
16.60	0.62	7,194	199.41	0.65
16.70	0.61	7,182	199.40	0.64
16.80	0.59	7,169	199.40	0.63
16.90	0.58	7,157	199.40	0.62
17.00	0.57	7,145	199.40	0.61
17.10	0.56	7,132	199.39	0.60
17.20	0.55	7,120	199.39	0.59
17.30	0.54	7,106	199.39	0.57
17.40	0.53	7,093	199.39	0.56
17.50	0.52	7,080	199.38	0.55
17.60	0.51	7,066	199.38	0.54
17.70	0.50	7,053	199.38	0.53
17.80	0.48	7,040	199.38	0.52
17.90	0.47	7,026	199.37	0.51
18.00	0.46	7,013	199.37	0.50
18.10	0.45	6,999	199.37	0.49
18.20	0.45	6,987	199.37	0.48
18.30	0.44	6,976	199.36	0.47
18.40	0.44	6,967	199.36	0.46
18.50	0.44	6,960	199.36	0.46
18.60	0.43	6,953	199.36	0.45
18.70	0.43	6,948	199.36	0.45
18.80	0.43	6,943	199.36	0.44
18.90	0.43	6,938	199.36	0.44
19.00	0.42	6,934	199.36	0.43
19.10	0.42	6,929	199.36	0.43
19.20	0.42	6,926	199.35	0.43
19.30	0.42	6,922	199.35	0.43
19.40	0.41	6,918	199.35	0.42
19.50	0.41	6,914	199.35	0.42
19.60	0.41	6,911	199.35	0.42
19.70	0.40	6,907	199.35	0.41
19.80	0.40	6,904	199.35	0.41
19.90	0.40	6,901	199.35	0.41
20.00	0.40	6,897	199.35	0.41
20.10	0.39	6,894	199.35	0.40
20.20	0.39	6,890	199.35	0.40
20.30	0.39	6,886	199.35	0.40
20.40	0.38	6,882	199.35	0.40
20.50	0.38	6,878	199.34	0.39
20.60	0.38	6,874	199.34	0.39
20.70	0.38	6,871	199.34	0.39

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.37	6,867	199.34	0.39
20.90	0.37	6,863	199.34	0.38
21.00	0.37	6,858	199.34	0.38
21.10	0.37	6,854	199.34	0.38
21.20	0.36	6,850	199.34	0.37
21.30	0.36	6,847	199.34	0.37
21.40	0.36	6,843	199.34	0.37
21.50	0.35	6,839	199.34	0.37
21.60	0.35	6,835	199.34	0.36
21.70	0.35	6,831	199.34	0.36
21.80	0.35	6,827	199.33	0.36
21.90	0.34	6,823	199.33	0.36
22.00	0.34	6,819	199.33	0.35
22.10	0.34	6,815	199.33	0.35
22.20	0.34	6,811	199.33	0.35
22.30	0.33	6,807	199.33	0.34
22.40	0.33	6,803	199.33	0.34
22.50	0.33	6,799	199.33	0.34
22.60	0.33	6,795	199.33	0.34
22.70	0.32	6,791	199.33	0.33
22.80	0.32	6,787	199.33	0.33
22.90	0.32	6,783	199.33	0.33
23.00	0.31	6,779	199.33	0.32
23.10	0.31	6,775	199.32	0.32
23.20	0.31	6,771	199.32	0.32
23.30	0.30	6,767	199.32	0.32
23.40	0.30	6,763	199.32	0.31
23.50	0.30	6,759	199.32	0.31
23.60	0.30	6,755	199.32	0.31
23.70	0.30	6,751	199.32	0.31
23.80	0.29	6,747	199.32	0.30
23.90	0.29	6,743	199.32	0.30
24.00	0.33	6,748	199.32	0.30
24.10	0.09	6,714	199.31	0.28
24.20	0.02	6,641	199.30	0.23
24.30	0.00	6,569	199.28	0.19
24.40	0.00	6,507	199.27	0.16
24.50	0.00	6,456	199.26	0.13
24.60	0.00	6,414	199.25	0.11
24.70	0.00	6,379	199.25	0.09
24.80	0.00	6,349	199.24	0.08
24.90	0.00	6,322	199.24	0.07
25.00	0.00	6,298	199.23	0.06
25.10	0.00	6,277	199.23	0.05
25.20	0.00	6,259	199.22	0.05
25.30	0.00	6,242	199.22	0.04
25.40	0.00	6,228	199.22	0.04
25.50	0.00	6,215	199.22	0.03
25.60	0.00	6,204	199.21	0.03
25.70	0.00	6,194	199.21	0.03
25.80	0.00	6,185	199.21	0.02
25.90	0.00	6,177	199.21	0.02

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	6,170	199.21	0.02
26.10	0.00	6,164	199.21	0.02
26.20	0.00	6,159	199.20	0.01
26.30	0.00	6,154	199.20	0.01
26.40	0.00	6,150	199.20	0.01
26.50	0.00	6,146	199.20	0.01
26.60	0.00	6,143	199.20	0.01
26.70	0.00	6,140	199.20	0.01
26.80	0.00	6,137	199.20	0.01
26.90	0.00	6,135	199.20	0.01
27.00	0.00	6,133	199.20	0.01
27.10	0.00	6,131	199.20	0.01
27.20	0.00	6,129	199.20	0.01
27.30	0.00	6,127	199.20	0.01
27.40	0.00	6,125	199.20	0.00
27.50	0.00	6,123	199.20	0.00
27.60	0.00	6,122	199.20	0.00
27.70	0.00	6,120	199.20	0.00
27.80	0.00	6,119	199.20	0.00
27.90	0.00	6,117	199.20	0.00
28.00	0.00	6,116	199.20	0.00
28.10	0.00	6,114	199.20	0.00
28.20	0.00	6,113	199.20	0.00
28.30	0.00	6,112	199.20	0.00
28.40	0.00	6,111	199.19	0.00
28.50	0.00	6,110	199.19	0.00
28.60	0.00	6,109	199.19	0.00
28.70	0.00	6,108	199.19	0.00
28.80	0.00	6,107	199.19	0.00
28.90	0.00	6,106	199.19	0.00
29.00	0.00	6,105	199.19	0.00
29.10	0.00	6,104	199.19	0.00
29.20	0.00	6,103	199.19	0.00
29.30	0.00	6,102	199.19	0.00
29.40	0.00	6,102	199.19	0.00
29.50	0.00	6,101	199.19	0.00
29.60	0.00	6,100	199.19	0.00
29.70	0.00	6,100	199.19	0.00
29.80	0.00	6,099	199.19	0.00
29.90	0.00	6,098	199.19	0.00
30.00	0.00	6,098	199.19	0.00
30.10	0.00	6,097	199.19	0.00
30.20	0.00	6,097	199.19	0.00
30.30	0.00	6,096	199.19	0.00
30.40	0.00	6,096	199.19	0.00
30.50	0.00	6,095	199.19	0.00
30.60	0.00	6,095	199.19	0.00
30.70	0.00	6,095	199.19	0.00
30.80	0.00	6,094	199.19	0.00
30.90	0.00	6,094	199.19	0.00
31.00	0.00	6,093	199.19	0.00
31.10	0.00	6,093	199.19	0.00

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	6,093	199.19	0.00
31.30	0.00	6,092	199.19	0.00
31.40	0.00	6,092	199.19	0.00
31.50	0.00	6,092	199.19	0.00
31.60	0.00	6,092	199.19	0.00
31.70	0.00	6,091	199.19	0.00
31.80	0.00	6,091	199.19	0.00
31.90	0.00	6,091	199.19	0.00
32.00	0.00	6,091	199.19	0.00
32.10	0.00	6,090	199.19	0.00
32.20	0.00	6,090	199.19	0.00
32.30	0.00	6,090	199.19	0.00
32.40	0.00	6,090	199.19	0.00
32.50	0.00	6,090	199.19	0.00
32.60	0.00	6,089	199.19	0.00
32.70	0.00	6,089	199.19	0.00
32.80	0.00	6,089	199.19	0.00
32.90	0.00	6,089	199.19	0.00
33.00	0.00	6,089	199.19	0.00
33.10	0.00	6,089	199.19	0.00
33.20	0.00	6,089	199.19	0.00
33.30	0.00	6,088	199.19	0.00
33.40	0.00	6,088	199.19	0.00
33.50	0.00	6,088	199.19	0.00
33.60	0.00	6,088	199.19	0.00
33.70	0.00	6,088	199.19	0.00
33.80	0.00	6,088	199.19	0.00
33.90	0.00	6,088	199.19	0.00
34.00	0.00	6,088	199.19	0.00
34.10	0.00	6,088	199.19	0.00
34.20	0.00	6,087	199.19	0.00
34.30	0.00	6,087	199.19	0.00
34.40	0.00	6,087	199.19	0.00
34.50	0.00	6,087	199.19	0.00
34.60	0.00	6,087	199.19	0.00
34.70	0.00	6,087	199.19	0.00
34.80	0.00	6,087	199.19	0.00
34.90	0.00	6,087	199.19	0.00
35.00	0.00	6,087	199.19	0.00
35.10	0.00	6,087	199.19	0.00
35.20	0.00	6,087	199.19	0.00
35.30	0.00	6,087	199.19	0.00
35.40	0.00	6,087	199.19	0.00
35.50	0.00	6,087	199.19	0.00
35.60	0.00	6,087	199.19	0.00
35.70	0.00	6,087	199.19	0.00
35.80	0.00	6,087	199.19	0.00
35.90	0.00	6,087	199.19	0.00
36.00	0.00	6,086	199.19	0.00
36.10	0.00	6,086	199.19	0.00
36.20	0.00	6,086	199.19	0.00
36.30	0.00	6,086	199.19	0.00

Hydrograph for Pond B-54: Basin #54 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	6,086	199.19	0.00
36.50	0.00	6,086	199.19	0.00
36.60	0.00	6,086	199.19	0.00
36.70	0.00	6,086	199.19	0.00
36.80	0.00	6,086	199.19	0.00
36.90	0.00	6,086	199.19	0.00
37.00	0.00	6,086	199.19	0.00
37.10	0.00	6,086	199.19	0.00
37.20	0.00	6,086	199.19	0.00
37.30	0.00	6,086	199.19	0.00
37.40	0.00	6,086	199.19	0.00
37.50	0.00	6,086	199.19	0.00
37.60	0.00	6,086	199.19	0.00
37.70	0.00	6,086	199.19	0.00
37.80	0.00	6,086	199.19	0.00
37.90	0.00	6,086	199.19	0.00
38.00	0.00	6,086	199.19	0.00
38.10	0.00	6,086	199.19	0.00
38.20	0.00	6,086	199.19	0.00
38.30	0.00	6,086	199.19	0.00
38.40	0.00	6,086	199.19	0.00
38.50	0.00	6,086	199.19	0.00
38.60	0.00	6,086	199.19	0.00
38.70	0.00	6,086	199.19	0.00
38.80	0.00	6,086	199.19	0.00
38.90	0.00	6,086	199.19	0.00
39.00	0.00	6,086	199.19	0.00
39.10	0.00	6,086	199.19	0.00
39.20	0.00	6,086	199.19	0.00
39.30	0.00	6,086	199.19	0.00
39.40	0.00	6,086	199.19	0.00
39.50	0.00	6,086	199.19	0.00
39.60	0.00	6,086	199.19	0.00
39.70	0.00	6,086	199.19	0.00
39.80	0.00	6,086	199.19	0.00
39.90	0.00	6,086	199.19	0.00
40.00	0.00	6,086	199.19	0.00

Stage-Discharge for Pond B-54: Basin #54

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
198.00	0.00	198.52	0.00	199.04	0.00	199.56	1.40
198.01	0.00	198.53	0.00	199.05	0.00	199.57	1.44
198.02	0.00	198.54	0.00	199.06	0.00	199.58	1.48
198.03	0.00	198.55	0.00	199.07	0.00	199.59	1.51
198.04	0.00	198.56	0.00	199.08	0.00	199.60	1.55
198.05	0.00	198.57	0.00	199.09	0.00	199.61	1.58
198.06	0.00	198.58	0.00	199.10	0.00	199.62	1.62
198.07	0.00	198.59	0.00	199.11	0.00	199.63	1.65
198.08	0.00	198.60	0.00	199.12	0.00	199.64	1.68
198.09	0.00	198.61	0.00	199.13	0.00	199.65	1.71
198.10	0.00	198.62	0.00	199.14	0.00	199.66	1.74
198.11	0.00	198.63	0.00	199.15	0.00	199.67	1.77
198.12	0.00	198.64	0.00	199.16	0.00	199.68	1.80
198.13	0.00	198.65	0.00	199.17	0.00	199.69	1.83
198.14	0.00	198.66	0.00	199.18	0.00	199.70	1.86
198.15	0.00	198.67	0.00	199.19	0.00	199.71	1.89
198.16	0.00	198.68	0.00	199.20	0.01	199.72	1.92
198.17	0.00	198.69	0.00	199.21	0.02	199.73	1.94
198.18	0.00	198.70	0.00	199.22	0.03	199.74	1.97
198.19	0.00	198.71	0.00	199.23	0.05	199.75	2.00
198.20	0.00	198.72	0.00	199.24	0.07	199.76	2.02
198.21	0.00	198.73	0.00	199.25	0.09	199.77	2.05
198.22	0.00	198.74	0.00	199.26	0.12	199.78	2.07
198.23	0.00	198.75	0.00	199.27	0.15	199.79	2.10
198.24	0.00	198.76	0.00	199.28	0.17	199.80	2.12
198.25	0.00	198.77	0.00	199.29	0.20	199.81	2.15
198.26	0.00	198.78	0.00	199.30	0.23	199.82	2.17
198.27	0.00	198.79	0.00	199.31	0.27	199.83	2.20
198.28	0.00	198.80	0.00	199.32	0.30	199.84	2.22
198.29	0.00	198.81	0.00	199.33	0.34	199.85	2.24
198.30	0.00	198.82	0.00	199.34	0.37	199.86	2.27
198.31	0.00	198.83	0.00	199.35	0.41	199.87	2.29
198.32	0.00	198.84	0.00	199.36	0.45	199.88	2.31
198.33	0.00	198.85	0.00	199.37	0.49	199.89	2.33
198.34	0.00	198.86	0.00	199.38	0.53	199.90	2.36
198.35	0.00	198.87	0.00	199.39	0.57	199.91	2.38
198.36	0.00	198.88	0.00	199.40	0.62	199.92	2.40
198.37	0.00	198.89	0.00	199.41	0.66	199.93	2.42
198.38	0.00	198.90	0.00	199.42	0.71	199.94	2.44
198.39	0.00	198.91	0.00	199.43	0.75	199.95	2.46
198.40	0.00	198.92	0.00	199.44	0.80	199.96	2.49
198.41	0.00	198.93	0.00	199.45	0.85	199.97	2.51
198.42	0.00	198.94	0.00	199.46	0.90	199.98	2.53
198.43	0.00	198.95	0.00	199.47	0.95	199.99	2.55
198.44	0.00	198.96	0.00	199.48	1.00	200.00	2.57
198.45	0.00	198.97	0.00	199.49	1.05	200.01	2.59
198.46	0.00	198.98	0.00	199.50	1.11	200.02	2.61
198.47	0.00	198.99	0.00	199.51	1.16	200.03	2.63
198.48	0.00	199.00	0.00	199.52	1.22	200.04	2.65
198.49	0.00	199.01	0.00	199.53	1.27	200.05	2.67
198.50	0.00	199.02	0.00	199.54	1.32	200.06	2.69
198.51	0.00	199.03	0.00	199.55	1.36	200.07	2.70

Stage-Discharge for Pond B-54: Basin #54 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
200.08	2.72	200.60	3.58	201.12	4.26	201.64	5.92
200.09	2.74	200.61	3.59	201.13	4.27	201.65	6.02
200.10	2.76	200.62	3.61	201.14	4.29	201.66	6.12
200.11	2.78	200.63	3.62	201.15	4.30	201.67	6.22
200.12	2.80	200.64	3.63	201.16	4.31	201.68	6.32
200.13	2.82	200.65	3.65	201.17	4.32	201.69	6.42
200.14	2.84	200.66	3.66	201.18	4.33	201.70	6.53
200.15	2.85	200.67	3.68	201.19	4.34	201.71	6.63
200.16	2.87	200.68	3.69	201.20	4.36	201.72	6.74
200.17	2.89	200.69	3.70	201.21	4.37	201.73	6.85
200.18	2.91	200.70	3.72	201.22	4.38	201.74	6.97
200.19	2.93	200.71	3.73	201.23	4.39	201.75	7.08
200.20	2.94	200.72	3.75	201.24	4.40	201.76	7.20
200.21	2.96	200.73	3.76	201.25	4.42	201.77	7.32
200.22	2.98	200.74	3.77	201.26	4.43	201.78	7.43
200.23	3.00	200.75	3.79	201.27	4.44	201.79	7.56
200.24	3.01	200.76	3.80	201.28	4.45	201.80	7.68
200.25	3.03	200.77	3.81	201.29	4.46	201.81	7.80
200.26	3.05	200.78	3.83	201.30	4.47	201.82	7.93
200.27	3.06	200.79	3.84	201.31	4.48	201.83	8.05
200.28	3.08	200.80	3.85	201.32	4.50	201.84	8.18
200.29	3.10	200.81	3.87	201.33	4.51	201.85	8.31
200.30	3.11	200.82	3.88	201.34	4.52	201.86	8.44
200.31	3.13	200.83	3.89	201.35	4.53	201.87	8.57
200.32	3.15	200.84	3.91	201.36	4.54	201.88	8.71
200.33	3.16	200.85	3.92	201.37	4.55	201.89	8.84
200.34	3.18	200.86	3.93	201.38	4.56	201.90	8.98
200.35	3.20	200.87	3.95	201.39	4.58	201.91	9.12
200.36	3.21	200.88	3.96	201.40	4.59	201.92	9.25
200.37	3.23	200.89	3.97	201.41	4.60	201.93	9.39
200.38	3.24	200.90	3.99	201.42	4.61	201.94	9.53
200.39	3.26	200.91	4.00	201.43	4.62	201.95	9.68
200.40	3.28	200.92	4.01	201.44	4.63	201.96	9.82
200.41	3.29	200.93	4.02	201.45	4.64	201.97	9.97
200.42	3.31	200.94	4.04	201.46	4.67	201.98	10.11
200.43	3.32	200.95	4.05	201.47	4.70	201.99	10.26
200.44	3.34	200.96	4.06	201.48	4.74	202.00	10.41
200.45	3.35	200.97	4.08	201.49	4.79	202.01	10.56
200.46	3.37	200.98	4.09	201.50	4.84	202.02	10.71
200.47	3.38	200.99	4.10	201.51	4.90	202.03	10.86
200.48	3.40	201.00	4.11	201.52	4.96	202.04	11.01
200.49	3.41	201.01	4.13	201.53	5.03	202.05	11.16
200.50	3.43	201.02	4.14	201.54	5.09	202.06	11.32
200.51	3.44	201.03	4.15	201.55	5.16	202.07	11.47
200.52	3.46	201.04	4.16	201.56	5.24	202.08	11.63
200.53	3.47	201.05	4.18	201.57	5.31	202.09	11.79
200.54	3.49	201.06	4.19	201.58	5.39	202.10	11.95
200.55	3.50	201.07	4.20	201.59	5.48	202.11	12.11
200.56	3.52	201.08	4.21	201.60	5.56	202.12	12.27
200.57	3.53	201.09	4.22	201.61	5.65	202.13	12.43
200.58	3.55	201.10	4.24	201.62	5.74	202.14	12.59
200.59	3.56	201.11	4.25	201.63	5.83	202.15	12.76

Stage-Discharge for Pond B-54: Basin #54 (continued)

Elevation (feet)	Primary (cfs)
202.16	12.92
202.17	13.09
202.18	13.25
202.19	13.42
202.20	13.59
202.21	13.76
202.22	13.93
202.23	14.10
202.24	14.27
202.25	14.44
202.26	14.62
202.27	14.79
202.28	14.97
202.29	15.14
202.30	15.32
202.31	15.50
202.32	15.68
202.33	15.86
202.34	16.04
202.35	16.22
202.36	16.40
202.37	16.58
202.38	16.77
202.39	16.95
202.40	17.14
202.41	17.32
202.42	17.51
202.43	17.69
202.44	17.88
202.45	18.07
202.46	18.26
202.47	18.45
202.48	18.64
202.49	18.83
202.50	19.02
202.51	19.33
202.52	19.74
202.53	20.21
202.54	20.74
202.55	21.31
202.56	21.92
202.57	22.56
202.58	23.24
202.59	23.96
202.60	24.70
202.61	25.47
202.62	26.27
202.63	27.10
202.64	27.96
202.65	28.83
202.66	29.74
202.67	30.66
202.68	31.61
202.69	32.58
202.70	33.57
202.71	34.62
202.72	35.70
202.73	36.81
202.74	37.94
202.75	39.09
202.76	40.28
202.77	41.48
202.78	42.72
202.79	43.97
202.80	45.26
202.81	46.56
202.82	47.90
202.83	49.26
202.84	50.64
202.85	52.05
202.86	53.48
202.87	54.94
202.88	56.42
202.89	57.92
202.90	59.45
202.91	61.04
202.92	62.65
202.93	64.28
202.94	65.94
202.95	67.63
202.96	69.35
202.97	71.09
202.98	72.86
202.99	74.65
203.00	**76.48**

Stage-Area-Storage for Pond B-54: Basin #54

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
198.00	**5,114**	0	198.52	5,114	2,659
198.01	5,114	51	198.53	5,114	2,710
198.02	5,114	102	198.54	5,114	2,762
198.03	5,114	153	198.55	5,114	2,813
198.04	5,114	205	198.56	5,114	2,864
198.05	5,114	256	198.57	5,114	2,915
198.06	5,114	307	198.58	5,114	2,966
198.07	5,114	358	198.59	5,114	3,017
198.08	5,114	409	198.60	5,114	3,068
198.09	5,114	460	198.61	5,114	3,120
198.10	5,114	511	198.62	5,114	3,171
198.11	5,114	563	198.63	5,114	3,222
198.12	5,114	614	198.64	5,114	3,273
198.13	5,114	665	198.65	5,114	3,324
198.14	5,114	716	198.66	5,114	3,375
198.15	5,114	767	198.67	5,114	3,426
198.16	5,114	818	198.68	5,114	3,478
198.17	5,114	869	198.69	5,114	3,529
198.18	5,114	921	198.70	5,114	3,580
198.19	5,114	972	198.71	5,114	3,631
198.20	5,114	1,023	198.72	5,114	3,682
198.21	5,114	1,074	198.73	5,114	3,733
198.22	5,114	1,125	198.74	5,114	3,784
198.23	5,114	1,176	198.75	5,114	3,836
198.24	5,114	1,227	198.76	5,114	3,887
198.25	5,114	1,279	198.77	5,114	3,938
198.26	5,114	1,330	198.78	5,114	3,989
198.27	5,114	1,381	198.79	5,114	4,040
198.28	5,114	1,432	198.80	5,114	4,091
198.29	5,114	1,483	198.81	5,114	4,142
198.30	5,114	1,534	198.82	5,114	4,193
198.31	5,114	1,585	198.83	5,114	4,245
198.32	5,114	1,636	198.84	5,114	4,296
198.33	5,114	1,688	198.85	5,114	4,347
198.34	5,114	1,739	198.86	5,114	4,398
198.35	5,114	1,790	198.87	5,114	4,449
198.36	5,114	1,841	198.88	5,114	4,500
198.37	5,114	1,892	198.89	5,114	4,551
198.38	5,114	1,943	198.90	5,114	4,603
198.39	5,114	1,994	198.91	5,114	4,654
198.40	5,114	2,046	198.92	5,114	4,705
198.41	5,114	2,097	198.93	5,114	4,756
198.42	5,114	2,148	198.94	5,114	4,807
198.43	5,114	2,199	198.95	5,114	4,858
198.44	5,114	2,250	198.96	5,114	4,909
198.45	5,114	2,301	198.97	5,114	4,961
198.46	5,114	2,352	198.98	5,114	5,012
198.47	5,114	2,404	198.99	5,114	5,063
198.48	5,114	2,455	199.00	5,114	5,114
198.49	5,114	2,506	199.01	5,114	5,165
198.50	5,114	2,557	199.02	5,114	5,216
198.51	5,114	2,608	199.03	5,114	5,267

Stage-Area-Storage for Pond B-54: Basin #54 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
199.04	5,114	5,319	199.56	5,114	7,978
199.05	5,114	5,370	199.57	5,114	8,029
199.06	5,114	5,421	199.58	5,114	8,080
199.07	5,114	5,472	199.59	5,114	8,131
199.08	5,114	5,523	199.60	5,114	8,182
199.09	5,114	5,574	199.61	5,114	8,234
199.10	5,114	5,625	199.62	5,114	8,285
199.11	5,114	5,677	199.63	5,114	8,336
199.12	5,114	5,728	199.64	5,114	8,387
199.13	5,114	5,779	199.65	5,114	8,438
199.14	5,114	5,830	199.66	5,114	8,489
199.15	5,114	5,881	199.67	5,114	8,540
199.16	5,114	5,932	199.68	5,114	8,592
199.17	5,114	5,983	199.69	5,114	8,643
199.18	5,114	6,035	199.70	5,114	8,694
199.19	5,114	6,086	199.71	5,114	8,745
199.20	5,114	6,137	199.72	5,114	8,796
199.21	5,114	6,188	199.73	5,114	8,847
199.22	5,114	6,239	199.74	5,114	8,898
199.23	5,114	6,290	199.75	5,114	8,950
199.24	5,114	6,341	199.76	5,114	9,001
199.25	5,114	6,393	199.77	5,114	9,052
199.26	5,114	6,444	199.78	5,114	9,103
199.27	5,114	6,495	199.79	5,114	9,154
199.28	5,114	6,546	199.80	5,114	9,205
199.29	5,114	6,597	199.81	5,114	9,256
199.30	5,114	6,648	199.82	5,114	9,307
199.31	5,114	6,699	199.83	5,114	9,359
199.32	5,114	6,750	199.84	5,114	9,410
199.33	5,114	6,802	199.85	5,114	9,461
199.34	5,114	6,853	199.86	5,114	9,512
199.35	5,114	6,904	199.87	5,114	9,563
199.36	5,114	6,955	199.88	5,114	9,614
199.37	5,114	7,006	199.89	5,114	9,665
199.38	5,114	7,057	199.90	5,114	9,717
199.39	5,114	7,108	199.91	5,114	9,768
199.40	5,114	7,160	199.92	5,114	9,819
199.41	5,114	7,211	199.93	5,114	9,870
199.42	5,114	7,262	199.94	5,114	9,921
199.43	5,114	7,313	199.95	5,114	9,972
199.44	5,114	7,364	199.96	5,114	10,023
199.45	5,114	7,415	199.97	5,114	10,075
199.46	5,114	7,466	199.98	5,114	10,126
199.47	5,114	7,518	199.99	5,114	10,177
199.48	5,114	7,569	200.00	5,114	10,228
199.49	5,114	7,620	200.01	5,114	10,279
199.50	5,114	7,671	200.02	5,114	10,330
199.51	5,114	7,722	200.03	5,114	10,381
199.52	5,114	7,773	200.04	5,114	10,433
199.53	5,114	7,824	200.05	5,114	10,484
199.54	5,114	7,876	200.06	5,114	10,535
199.55	5,114	7,927	200.07	5,114	10,586

Stage-Area-Storage for Pond B-54: Basin #54 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
200.08	5,114	10,637	200.60	5,114	13,296
200.09	5,114	10,688	200.61	5,114	13,348
200.10	5,114	10,739	200.62	5,114	13,399
200.11	5,114	10,791	200.63	5,114	13,450
200.12	5,114	10,842	200.64	5,114	13,501
200.13	5,114	10,893	200.65	5,114	13,552
200.14	5,114	10,944	200.66	5,114	13,603
200.15	5,114	10,995	200.67	5,114	13,654
200.16	5,114	11,046	200.68	5,114	13,706
200.17	5,114	11,097	200.69	5,114	13,757
200.18	5,114	11,149	200.70	5,114	13,808
200.19	5,114	11,200	200.71	5,114	13,859
200.20	5,114	11,251	200.72	5,114	13,910
200.21	5,114	11,302	200.73	5,114	13,961
200.22	5,114	11,353	200.74	5,114	14,012
200.23	5,114	11,404	200.75	5,114	14,064
200.24	5,114	11,455	200.76	5,114	14,115
200.25	5,114	11,507	200.77	5,114	14,166
200.26	5,114	11,558	200.78	5,114	14,217
200.27	5,114	11,609	200.79	5,114	14,268
200.28	5,114	11,660	200.80	5,114	14,319
200.29	5,114	11,711	200.81	5,114	14,370
200.30	5,114	11,762	200.82	5,114	14,421
200.31	5,114	11,813	200.83	5,114	14,473
200.32	5,114	11,864	200.84	5,114	14,524
200.33	5,114	11,916	200.85	5,114	14,575
200.34	5,114	11,967	200.86	5,114	14,626
200.35	5,114	12,018	200.87	5,114	14,677
200.36	5,114	12,069	200.88	5,114	14,728
200.37	5,114	12,120	200.89	5,114	14,779
200.38	5,114	12,171	200.90	5,114	14,831
200.39	5,114	12,222	200.91	5,114	14,882
200.40	5,114	12,274	200.92	5,114	14,933
200.41	5,114	12,325	200.93	5,114	14,984
200.42	5,114	12,376	200.94	5,114	15,035
200.43	5,114	12,427	200.95	5,114	15,086
200.44	5,114	12,478	200.96	5,114	15,137
200.45	5,114	12,529	200.97	5,114	15,189
200.46	5,114	12,580	200.98	5,114	15,240
200.47	5,114	12,632	200.99	5,114	15,291
200.48	5,114	12,683	201.00	5,114	15,342
200.49	5,114	12,734	201.01	5,114	15,393
200.50	5,114	12,785	201.02	5,114	15,444
200.51	5,114	12,836	201.03	5,114	15,495
200.52	5,114	12,887	201.04	5,114	15,547
200.53	5,114	12,938	201.05	5,114	15,598
200.54	5,114	12,990	201.06	5,114	15,649
200.55	5,114	13,041	201.07	5,114	15,700
200.56	5,114	13,092	201.08	5,114	15,751
200.57	5,114	13,143	201.09	5,114	15,802
200.58	5,114	13,194	201.10	5,114	15,853
200.59	5,114	13,245	201.11	5,114	15,905

Stage-Area-Storage for Pond B-54: Basin #54 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
201.12	5,114	15,956	201.64	5,114	18,615
201.13	5,114	16,007	201.65	5,114	18,666
201.14	5,114	16,058	201.66	5,114	18,717
201.15	5,114	16,109	201.67	5,114	18,768
201.16	5,114	16,160	201.68	5,114	18,820
201.17	5,114	16,211	201.69	5,114	18,871
201.18	5,114	16,263	201.70	5,114	18,922
201.19	5,114	16,314	201.71	5,114	18,973
201.20	5,114	16,365	201.72	5,114	19,024
201.21	5,114	16,416	201.73	5,114	19,075
201.22	5,114	16,467	201.74	5,114	19,126
201.23	5,114	16,518	201.75	5,114	19,178
201.24	5,114	16,569	201.76	5,114	19,229
201.25	5,114	16,621	201.77	5,114	19,280
201.26	5,114	16,672	201.78	5,114	19,331
201.27	5,114	16,723	201.79	5,114	19,382
201.28	5,114	16,774	201.80	5,114	19,433
201.29	5,114	16,825	201.81	5,114	19,484
201.30	5,114	16,876	201.82	5,114	19,535
201.31	5,114	16,927	201.83	5,114	19,587
201.32	5,114	16,978	201.84	5,114	19,638
201.33	5,114	17,030	201.85	5,114	19,689
201.34	5,114	17,081	201.86	5,114	19,740
201.35	5,114	17,132	201.87	5,114	19,791
201.36	5,114	17,183	201.88	5,114	19,842
201.37	5,114	17,234	201.89	5,114	19,893
201.38	5,114	17,285	201.90	5,114	19,945
201.39	5,114	17,336	201.91	5,114	19,996
201.40	5,114	17,388	201.92	5,114	20,047
201.41	5,114	17,439	201.93	5,114	20,098
201.42	5,114	17,490	201.94	5,114	20,149
201.43	5,114	17,541	201.95	5,114	20,200
201.44	5,114	17,592	201.96	5,114	20,251
201.45	5,114	17,643	201.97	5,114	20,303
201.46	5,114	17,694	201.98	5,114	20,354
201.47	5,114	17,746	201.99	5,114	20,405
201.48	5,114	17,797	202.00	5,114	20,456
201.49	5,114	17,848	202.01	5,114	20,507
201.50	5,114	17,899	202.02	5,114	20,558
201.51	5,114	17,950	202.03	5,114	20,609
201.52	5,114	18,001	202.04	5,114	20,661
201.53	5,114	18,052	202.05	5,114	20,712
201.54	5,114	18,104	202.06	5,114	20,763
201.55	5,114	18,155	202.07	5,114	20,814
201.56	5,114	18,206	202.08	5,114	20,865
201.57	5,114	18,257	202.09	5,114	20,916
201.58	5,114	18,308	202.10	5,114	20,967
201.59	5,114	18,359	202.11	5,114	21,019
201.60	5,114	18,410	202.12	5,114	21,070
201.61	5,114	18,462	202.13	5,114	21,121
201.62	5,114	18,513	202.14	5,114	21,172
201.63	5,114	18,564	202.15	5,114	21,223

Stage-Area-Storage for Pond B-54: Basin #54 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
202.16	5,114	21,274
202.17	5,114	21,325
202.18	5,114	21,377
202.19	5,114	21,428
202.20	5,114	21,479
202.21	5,114	21,530
202.22	5,114	21,581
202.23	5,114	21,632
202.24	5,114	21,683
202.25	5,114	21,735
202.26	5,114	21,786
202.27	5,114	21,837
202.28	5,114	21,888
202.29	5,114	21,939
202.30	5,114	21,990
202.31	5,114	22,041
202.32	5,114	22,092
202.33	5,114	22,144
202.34	5,114	22,195
202.35	5,114	22,246
202.36	5,114	22,297
202.37	5,114	22,348
202.38	5,114	22,399
202.39	5,114	22,450
202.40	5,114	22,502
202.41	5,114	22,553
202.42	5,114	22,604
202.43	5,114	22,655
202.44	5,114	22,706
202.45	5,114	22,757
202.46	5,114	22,808
202.47	5,114	22,860
202.48	5,114	22,911
202.49	5,114	22,962
202.50	5,114	23,013
202.51	5,114	23,064
202.52	5,114	23,115
202.53	5,114	23,166
202.54	5,114	23,218
202.55	5,114	23,269
202.56	5,114	23,320
202.57	5,114	23,371
202.58	5,114	23,422
202.59	5,114	23,473
202.60	5,114	23,524
202.61	5,114	23,576
202.62	5,114	23,627
202.63	5,114	23,678
202.64	5,114	23,729
202.65	5,114	23,780
202.66	5,114	23,831
202.67	5,114	23,882
202.68	5,114	23,934
202.69	5,114	23,985
202.70	5,114	24,036
202.71	5,114	24,087
202.72	5,114	24,138
202.73	5,114	24,189
202.74	5,114	24,240
202.75	5,114	24,292
202.76	5,114	24,343
202.77	5,114	24,394
202.78	5,114	24,445
202.79	5,114	24,496
202.80	5,114	24,547
202.81	5,114	24,598
202.82	5,114	24,649
202.83	5,114	24,701
202.84	5,114	24,752
202.85	5,114	24,803
202.86	5,114	24,854
202.87	5,114	24,905
202.88	5,114	24,956
202.89	5,114	25,007
202.90	5,114	25,059
202.91	5,114	25,110
202.92	5,114	25,161
202.93	5,114	25,212
202.94	5,114	25,263
202.95	5,114	25,314
202.96	5,114	25,365
202.97	5,114	25,417
202.98	5,114	25,468
202.99	5,114	25,519
203.00	5,114	**25,570**

Summary for Pond B-55: Basin #55

Inflow Area = 2.301 ac, 47.33% Impervious, Inflow Depth = 9.17" for Future 100 yr event
Inflow = 27.26 cfs @ 12.08 hrs, Volume= 1.759 af
Outflow = 15.25 cfs @ 12.15 hrs, Volume= 1.658 af, Atten= 44%, Lag= 4.2 min
Primary = 15.25 cfs @ 12.15 hrs, Volume= 1.658 af
Routed to Pond B-51 : Basin #51

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 195.53' @ 12.16 hrs Surf.Area= 6,070 sf Storage= 18,145 cf

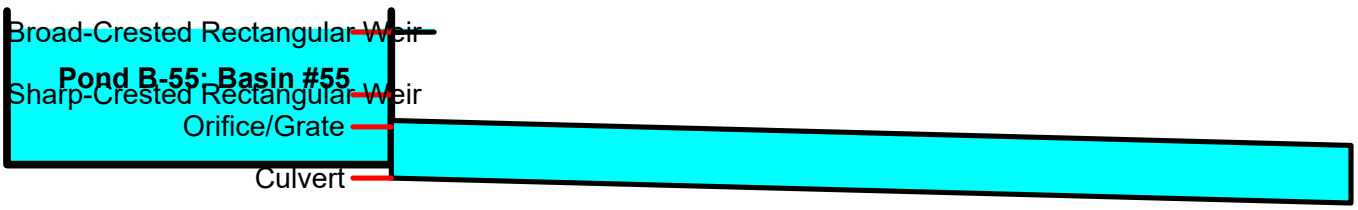
Plug-Flow detention time= 88.3 min calculated for 1.658 af (94% of inflow)
Center-of-Mass det. time= 54.6 min (819.6 - 765.0)

Volume	Invert	Avail.Storage	Storage Description
#1	192.00'	21,076 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

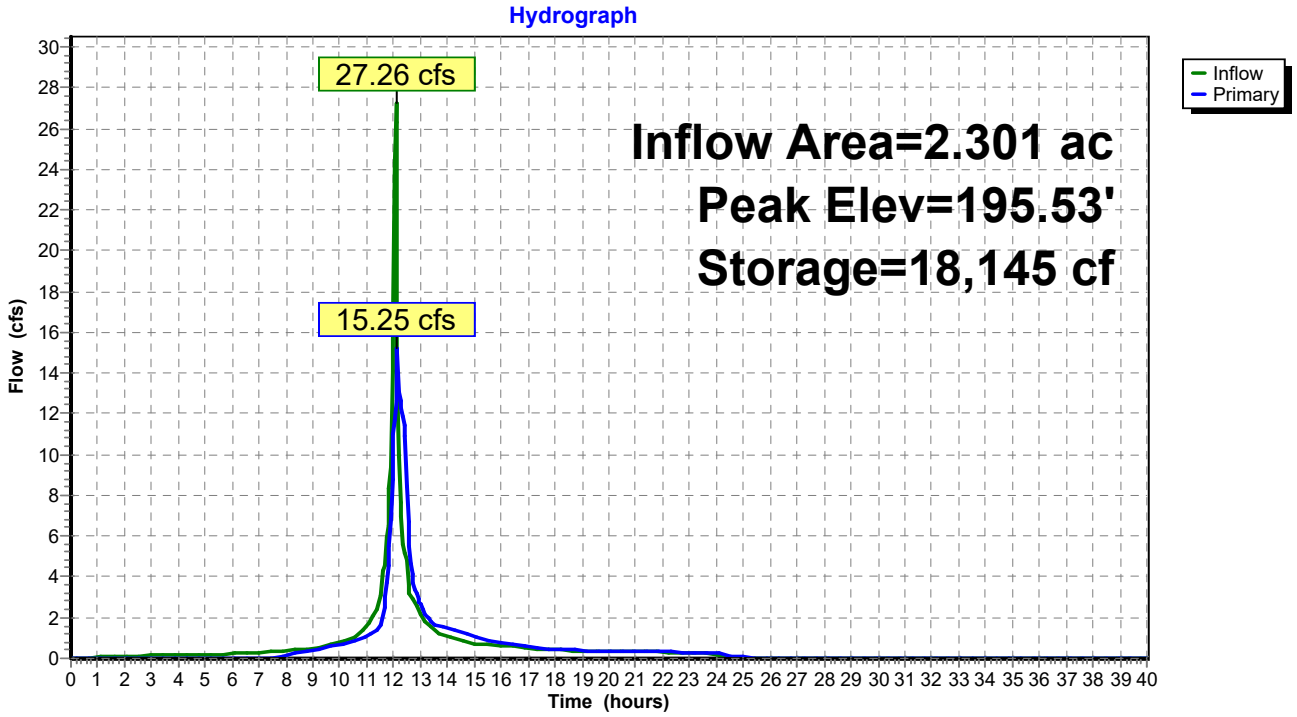
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
192.00	4,250	0	0
193.00	4,746	4,498	4,498
194.00	5,257	5,002	9,500
195.00	5,784	5,521	15,020
196.00	6,327	6,056	21,076

Device	Routing	Invert	Outlet Devices
#1	Primary	191.65'	**18.0" Round Culvert** L= 112.0' Ke= 0.500 Inlet / Outlet Invert= 191.65' / 191.00' S= 0.0058 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	192.98'	**22.0" W x 2.5" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	193.82'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	195.45'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=15.12 cfs @ 12.15 hrs HW=195.52' (Free Discharge)
- **1=Culvert** (Barrel Controls 13.08 cfs @ 7.40 fps)
  - **2=Orifice/Grate** (Passes < 2.87 cfs potential flow)
  - **3=Sharp-Crested Rectangular Weir** (Passes < 26.47 cfs potential flow)
- **4=Broad-Crested Rectangular Weir** (Weir Controls 2.05 cfs @ 0.61 fps)



Pond B-55: Basin #55



Hydrograph for Pond B-55: Basin #55

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	192.00	0.00
0.10	0.00	0	192.00	0.00
0.20	0.00	0	192.00	0.00
0.30	0.00	0	192.00	0.00
0.40	0.00	0	192.00	0.00
0.50	0.02	4	192.00	0.00
0.60	0.03	12	192.00	0.00
0.70	0.04	24	192.01	0.00
0.80	0.05	39	192.01	0.00
0.90	0.05	57	192.01	0.00
1.00	0.06	78	192.02	0.00
1.10	0.07	102	192.02	0.00
1.20	0.07	128	192.03	0.00
1.30	0.08	156	192.04	0.00
1.40	0.09	186	192.04	0.00
1.50	0.09	218	192.05	0.00
1.60	0.09	251	192.06	0.00
1.70	0.10	286	192.07	0.00
1.80	0.10	322	192.08	0.00
1.90	0.11	360	192.08	0.00
2.00	0.11	399	192.09	0.00
2.10	0.11	439	192.10	0.00
2.20	0.12	480	192.11	0.00
2.30	0.12	523	192.12	0.00
2.40	0.12	566	192.13	0.00
2.50	0.12	611	192.14	0.00
2.60	0.13	656	192.15	0.00
2.70	0.13	702	192.16	0.00
2.80	0.13	750	192.17	0.00
2.90	0.13	798	192.19	0.00
3.00	0.14	847	192.20	0.00
3.10	0.14	896	192.21	0.00
3.20	0.14	947	192.22	0.00
3.30	0.14	998	192.23	0.00
3.40	0.15	1,050	192.24	0.00
3.50	0.15	1,102	192.26	0.00
3.60	0.15	1,156	192.27	0.00
3.70	0.15	1,210	192.28	0.00
3.80	0.15	1,264	192.29	0.00
3.90	0.15	1,320	192.31	0.00
4.00	0.16	1,376	192.32	0.00
4.10	0.16	1,432	192.33	0.00
4.20	0.16	1,489	192.34	0.00
4.30	0.16	1,547	192.36	0.00
4.40	0.16	1,606	192.37	0.00
4.50	0.16	1,665	192.38	0.00
4.60	0.17	1,725	192.40	0.00
4.70	0.17	1,785	192.41	0.00
4.80	0.17	1,846	192.42	0.00
4.90	0.17	1,907	192.44	0.00
5.00	0.17	1,969	192.45	0.00
5.10	0.18	2,032	192.47	0.00

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.18	2,095	192.48	0.00
5.30	0.18	2,161	192.49	0.00
5.40	0.19	2,227	192.51	0.00
5.50	0.19	2,295	192.52	0.00
5.60	0.19	2,363	192.54	0.00
5.70	0.20	2,434	192.55	0.00
5.80	0.20	2,505	192.57	0.00
5.90	0.20	2,578	192.59	0.00
6.00	0.21	2,652	192.60	0.00
6.10	0.21	2,727	192.62	0.00
6.20	0.22	2,806	192.64	0.00
6.30	0.23	2,887	192.65	0.00
6.40	0.24	2,971	192.67	0.00
6.50	0.24	3,058	192.69	0.00
6.60	0.25	3,148	192.71	0.00
6.70	0.26	3,241	192.73	0.00
6.80	0.27	3,336	192.75	0.00
6.90	0.28	3,434	192.77	0.00
7.00	0.29	3,536	192.80	0.00
7.10	0.29	3,641	192.82	0.00
7.20	0.30	3,748	192.84	0.00
7.30	0.31	3,859	192.86	0.00
7.40	0.32	3,973	192.89	0.00
7.50	0.33	4,090	192.91	0.00
7.60	0.34	4,210	192.94	0.00
7.70	0.35	4,334	192.97	0.00
7.80	0.36	4,460	192.99	0.01
7.90	0.37	4,580	193.02	0.05
8.00	0.38	4,690	193.04	0.09
8.10	0.38	4,786	193.06	0.14
8.20	0.40	4,869	193.08	0.18
8.30	0.40	4,940	193.09	0.22
8.40	0.41	4,999	193.11	0.26
8.50	0.42	5,050	193.12	0.29
8.60	0.43	5,093	193.12	0.32
8.70	0.44	5,130	193.13	0.35
8.80	0.45	5,161	193.14	0.37
8.90	0.46	5,188	193.14	0.39
9.00	0.48	5,212	193.15	0.41
9.10	0.50	5,238	193.15	0.43
9.20	0.53	5,266	193.16	0.45
9.30	0.56	5,298	193.17	0.48
9.40	0.59	5,331	193.17	0.50
9.50	0.62	5,366	193.18	0.53
9.60	0.66	5,402	193.19	0.56
9.70	0.69	5,440	193.20	0.59
9.80	0.72	5,478	193.20	0.61
9.90	0.76	5,521	193.21	0.64
10.00	0.79	5,566	193.22	0.66
10.10	0.82	5,613	193.23	0.69
10.20	0.86	5,664	193.24	0.72
10.30	0.89	5,717	193.25	0.74

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.93	5,773	193.26	0.77
10.50	0.97	5,833	193.28	0.80
10.60	1.08	5,913	193.29	0.83
10.70	1.20	6,022	193.32	0.88
10.80	1.33	6,157	193.34	0.93
10.90	1.45	6,316	193.38	0.99
11.00	1.59	6,501	193.41	1.05
11.10	1.82	6,730	193.46	1.12
11.20	2.05	7,015	193.52	1.21
11.30	2.30	7,356	193.58	1.30
11.40	2.54	7,751	193.66	1.40
11.50	2.81	8,195	193.75	1.50
11.60	4.29	8,940	193.89	1.92
11.70	4.68	9,665	194.03	3.05
11.80	6.50	10,380	194.17	4.53
11.90	9.35	11,290	194.33	6.77
12.00	16.44	12,979	194.64	11.02
12.10	**26.33**	**16,975**	**195.33**	**12.67**
12.20	9.85	**17,708**	**195.46**	**13.04**
12.30	6.94	16,037	195.17	12.31
12.40	5.14	13,853	194.80	11.41
12.50	4.79	11,887	194.44	8.40
12.60	3.17	10,785	194.24	5.48
12.70	2.95	10,180	194.13	4.09
12.80	2.69	9,846	194.07	3.40
12.90	2.44	9,618	194.02	2.96
13.00	2.18	9,431	193.99	2.64
13.10	1.92	9,260	193.95	2.36
13.20	1.78	9,113	193.93	2.14
13.30	1.64	8,985	193.90	1.97
13.40	1.50	8,864	193.88	1.82
13.50	1.37	8,740	193.85	1.71
13.60	1.23	8,608	193.83	1.60
13.70	1.19	8,476	193.80	1.56
13.80	1.16	8,342	193.78	1.53
13.90	1.12	8,206	193.75	1.50
14.00	1.09	8,068	193.72	1.47
14.10	1.05	7,927	193.70	1.44
14.20	1.02	7,786	193.67	1.40
14.30	0.98	7,644	193.64	1.37
14.40	0.94	7,500	193.61	1.33
14.50	0.91	7,358	193.58	1.30
14.60	0.87	7,215	193.56	1.26
14.70	0.83	7,072	193.53	1.22
14.80	0.80	6,931	193.50	1.18
14.90	0.76	6,792	193.47	1.14
15.00	0.72	6,654	193.44	1.10
15.10	0.69	6,518	193.42	1.05
15.20	0.68	6,391	193.39	1.01
15.30	0.67	6,275	193.37	0.97
15.40	0.66	6,170	193.35	0.93
15.50	0.65	6,075	193.33	0.90

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.64	5,990	193.31	0.86
15.70	0.63	5,912	193.29	0.83
15.80	0.62	5,842	193.28	0.80
15.90	0.61	5,780	193.27	0.77
16.00	0.60	5,724	193.25	0.75
16.10	0.59	5,674	193.24	0.72
16.20	0.58	5,629	193.24	0.70
16.30	0.57	5,589	193.23	0.68
16.40	0.56	5,553	193.22	0.65
16.50	0.55	5,520	193.21	0.64
16.60	0.54	5,491	193.21	0.62
16.70	0.53	5,464	193.20	0.60
16.80	0.52	5,439	193.20	0.59
16.90	0.51	5,417	193.19	0.57
17.00	0.50	5,398	193.19	0.55
17.10	0.49	5,380	193.18	0.54
17.20	0.48	5,364	193.18	0.53
17.30	0.47	5,348	193.18	0.51
17.40	0.46	5,333	193.17	0.50
17.50	0.45	5,319	193.17	0.49
17.60	0.45	5,305	193.17	0.48
17.70	0.44	5,292	193.17	0.47
17.80	0.43	5,279	193.16	0.46
17.90	0.42	5,266	193.16	0.45
18.00	0.41	5,253	193.16	0.44
18.10	0.40	5,239	193.15	0.43
18.20	0.39	5,228	193.15	0.42
18.30	0.39	5,218	193.15	0.42
18.40	0.39	5,210	193.15	0.41
18.50	0.39	5,203	193.15	0.40
18.60	0.38	5,197	193.15	0.40
18.70	0.38	5,191	193.14	0.40
18.80	0.38	5,186	193.14	0.39
18.90	0.38	5,181	193.14	0.39
19.00	0.37	5,177	193.14	0.39
19.10	0.37	5,173	193.14	0.38
19.20	0.37	5,169	193.14	0.38
19.30	0.37	5,165	193.14	0.38
19.40	0.36	5,162	193.14	0.37
19.50	0.36	5,158	193.14	0.37
19.60	0.36	5,155	193.14	0.37
19.70	0.36	5,151	193.14	0.37
19.80	0.36	5,148	193.14	0.36
19.90	0.35	5,145	193.14	0.36
20.00	0.35	5,141	193.13	0.36
20.10	0.35	5,138	193.13	0.36
20.20	0.35	5,134	193.13	0.35
20.30	0.34	5,131	193.13	0.35
20.40	0.34	5,128	193.13	0.35
20.50	0.34	5,124	193.13	0.35
20.60	0.34	5,121	193.13	0.35
20.70	0.33	5,118	193.13	0.34

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.33	5,115	193.13	0.34
20.90	0.33	5,111	193.13	0.34
21.00	0.33	5,108	193.13	0.34
21.10	0.32	5,104	193.13	0.33
21.20	0.32	5,101	193.13	0.33
21.30	0.32	5,098	193.13	0.33
21.40	0.32	5,095	193.12	0.33
21.50	0.31	5,091	193.12	0.32
21.60	0.31	5,088	193.12	0.32
21.70	0.31	5,084	193.12	0.32
21.80	0.31	5,082	193.12	0.32
21.90	0.30	5,078	193.12	0.31
22.00	0.30	5,075	193.12	0.31
22.10	0.30	5,071	193.12	0.31
22.20	0.30	5,068	193.12	0.31
22.30	0.29	5,065	193.12	0.30
22.40	0.29	5,061	193.12	0.30
22.50	0.29	5,057	193.12	0.30
22.60	0.29	5,054	193.12	0.30
22.70	0.28	5,050	193.12	0.29
22.80	0.28	5,046	193.11	0.29
22.90	0.28	5,042	193.11	0.29
23.00	0.28	5,039	193.11	0.29
23.10	0.27	5,035	193.11	0.29
23.20	0.27	5,031	193.11	0.28
23.30	0.27	5,027	193.11	0.28
23.40	0.27	5,024	193.11	0.28
23.50	0.26	5,020	193.11	0.28
23.60	0.26	5,016	193.11	0.27
23.70	0.26	5,012	193.11	0.27
23.80	0.26	5,009	193.11	0.27
23.90	0.26	5,005	193.11	0.27
24.00	0.30	5,013	193.11	0.27
24.10	0.01	4,961	193.10	0.24
24.20	0.00	4,885	193.08	0.19
24.30	0.00	4,823	193.07	0.16
24.40	0.00	4,771	193.06	0.13
24.50	0.00	4,729	193.05	0.11
24.60	0.00	4,693	193.04	0.09
24.70	0.00	4,663	193.03	0.08
24.80	0.00	4,637	193.03	0.07
24.90	0.00	4,614	193.02	0.06
25.00	0.00	4,594	193.02	0.05
25.10	0.00	4,577	193.02	0.05
25.20	0.00	4,561	193.01	0.04
25.30	0.00	4,548	193.01	0.03
25.40	0.00	4,536	193.01	0.03
25.50	0.00	4,526	193.01	0.03
25.60	0.00	4,517	193.00	0.02
25.70	0.00	4,509	193.00	0.02
25.80	0.00	4,502	193.00	0.02
25.90	0.00	4,496	193.00	0.02

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	4,490	193.00	0.02
26.10	0.00	4,485	193.00	0.01
26.20	0.00	4,480	193.00	0.01
26.30	0.00	4,475	193.00	0.01
26.40	0.00	4,471	192.99	0.01
26.50	0.00	4,467	192.99	0.01
26.60	0.00	4,463	192.99	0.01
26.70	0.00	4,459	192.99	0.01
26.80	0.00	4,456	192.99	0.01
26.90	0.00	4,452	192.99	0.01
27.00	0.00	4,449	192.99	0.01
27.10	0.00	4,447	192.99	0.01
27.20	0.00	4,444	192.99	0.01
27.30	0.00	4,441	192.99	0.01
27.40	0.00	4,439	192.99	0.01
27.50	0.00	4,437	192.99	0.01
27.60	0.00	4,435	192.99	0.01
27.70	0.00	4,433	192.99	0.01
27.80	0.00	4,431	192.99	0.00
27.90	0.00	4,429	192.99	0.00
28.00	0.00	4,428	192.99	0.00
28.10	0.00	4,426	192.98	0.00
28.20	0.00	4,425	192.98	0.00
28.30	0.00	4,423	192.98	0.00
28.40	0.00	4,422	192.98	0.00
28.50	0.00	4,421	192.98	0.00
28.60	0.00	4,420	192.98	0.00
28.70	0.00	4,419	192.98	0.00
28.80	0.00	4,418	192.98	0.00
28.90	0.00	4,417	192.98	0.00
29.00	0.00	4,416	192.98	0.00
29.10	0.00	4,415	192.98	0.00
29.20	0.00	4,415	192.98	0.00
29.30	0.00	4,414	192.98	0.00
29.40	0.00	4,413	192.98	0.00
29.50	0.00	4,413	192.98	0.00
29.60	0.00	4,412	192.98	0.00
29.70	0.00	4,412	192.98	0.00
29.80	0.00	4,411	192.98	0.00
29.90	0.00	4,411	192.98	0.00
30.00	0.00	4,410	192.98	0.00
30.10	0.00	4,410	192.98	0.00
30.20	0.00	4,409	192.98	0.00
30.30	0.00	4,409	192.98	0.00
30.40	0.00	4,409	192.98	0.00
30.50	0.00	4,408	192.98	0.00
30.60	0.00	4,408	192.98	0.00
30.70	0.00	4,408	192.98	0.00
30.80	0.00	4,407	192.98	0.00
30.90	0.00	4,407	192.98	0.00
31.00	0.00	4,407	192.98	0.00
31.10	0.00	4,407	192.98	0.00

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	4,406	192.98	0.00
31.30	0.00	4,406	192.98	0.00
31.40	0.00	4,406	192.98	0.00
31.50	0.00	4,406	192.98	0.00
31.60	0.00	4,406	192.98	0.00
31.70	0.00	4,406	192.98	0.00
31.80	0.00	4,405	192.98	0.00
31.90	0.00	4,405	192.98	0.00
32.00	0.00	4,405	192.98	0.00
32.10	0.00	4,405	192.98	0.00
32.20	0.00	4,405	192.98	0.00
32.30	0.00	4,405	192.98	0.00
32.40	0.00	4,405	192.98	0.00
32.50	0.00	4,405	192.98	0.00
32.60	0.00	4,405	192.98	0.00
32.70	0.00	4,404	192.98	0.00
32.80	0.00	4,404	192.98	0.00
32.90	0.00	4,404	192.98	0.00
33.00	0.00	4,404	192.98	0.00
33.10	0.00	4,404	192.98	0.00
33.20	0.00	4,404	192.98	0.00
33.30	0.00	4,404	192.98	0.00
33.40	0.00	4,404	192.98	0.00
33.50	0.00	4,404	192.98	0.00
33.60	0.00	4,404	192.98	0.00
33.70	0.00	4,404	192.98	0.00
33.80	0.00	4,404	192.98	0.00
33.90	0.00	4,404	192.98	0.00
34.00	0.00	4,404	192.98	0.00
34.10	0.00	4,404	192.98	0.00
34.20	0.00	4,404	192.98	0.00
34.30	0.00	4,404	192.98	0.00
34.40	0.00	4,404	192.98	0.00
34.50	0.00	4,404	192.98	0.00
34.60	0.00	4,404	192.98	0.00
34.70	0.00	4,404	192.98	0.00
34.80	0.00	4,404	192.98	0.00
34.90	0.00	4,403	192.98	0.00
35.00	0.00	4,403	192.98	0.00
35.10	0.00	4,403	192.98	0.00
35.20	0.00	4,403	192.98	0.00
35.30	0.00	4,403	192.98	0.00
35.40	0.00	4,403	192.98	0.00
35.50	0.00	4,403	192.98	0.00
35.60	0.00	4,403	192.98	0.00
35.70	0.00	4,403	192.98	0.00
35.80	0.00	4,403	192.98	0.00
35.90	0.00	4,403	192.98	0.00
36.00	0.00	4,403	192.98	0.00
36.10	0.00	4,403	192.98	0.00
36.20	0.00	4,403	192.98	0.00
36.30	0.00	4,403	192.98	0.00

Hydrograph for Pond B-55: Basin #55 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	4,403	192.98	0.00
36.50	0.00	4,403	192.98	0.00
36.60	0.00	4,403	192.98	0.00
36.70	0.00	4,403	192.98	0.00
36.80	0.00	4,403	192.98	0.00
36.90	0.00	4,403	192.98	0.00
37.00	0.00	4,403	192.98	0.00
37.10	0.00	4,403	192.98	0.00
37.20	0.00	4,403	192.98	0.00
37.30	0.00	4,403	192.98	0.00
37.40	0.00	4,403	192.98	0.00
37.50	0.00	4,403	192.98	0.00
37.60	0.00	4,403	192.98	0.00
37.70	0.00	4,403	192.98	0.00
37.80	0.00	4,403	192.98	0.00
37.90	0.00	4,403	192.98	0.00
38.00	0.00	4,403	192.98	0.00
38.10	0.00	4,403	192.98	0.00
38.20	0.00	4,403	192.98	0.00
38.30	0.00	4,403	192.98	0.00
38.40	0.00	4,403	192.98	0.00
38.50	0.00	4,403	192.98	0.00
38.60	0.00	4,403	192.98	0.00
38.70	0.00	4,403	192.98	0.00
38.80	0.00	4,403	192.98	0.00
38.90	0.00	4,403	192.98	0.00
39.00	0.00	4,403	192.98	0.00
39.10	0.00	4,403	192.98	0.00
39.20	0.00	4,403	192.98	0.00
39.30	0.00	4,403	192.98	0.00
39.40	0.00	4,403	192.98	0.00
39.50	0.00	4,403	192.98	0.00
39.60	0.00	4,403	192.98	0.00
39.70	0.00	4,403	192.98	0.00
39.80	0.00	4,403	192.98	0.00
39.90	0.00	4,403	192.98	0.00
40.00	0.00	4,403	192.98	0.00

Stage-Discharge for Pond B-55: Basin #55

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
192.00	0.00	192.52	0.00	193.04	0.09	193.56	1.27
192.01	0.00	192.53	0.00	193.05	0.11	193.57	1.28
192.02	0.00	192.54	0.00	193.06	0.13	193.58	1.29
192.03	0.00	192.55	0.00	193.07	0.16	193.59	1.31
192.04	0.00	192.56	0.00	193.08	0.19	193.60	1.32
192.05	0.00	192.57	0.00	193.09	0.21	193.61	1.33
192.06	0.00	192.58	0.00	193.10	0.24	193.62	1.34
192.07	0.00	192.59	0.00	193.11	0.28	193.63	1.36
192.08	0.00	192.60	0.00	193.12	0.31	193.64	1.37
192.09	0.00	192.61	0.00	193.13	0.34	193.65	1.38
192.10	0.00	192.62	0.00	193.14	0.38	193.66	1.39
192.11	0.00	192.63	0.00	193.15	0.41	193.67	1.41
192.12	0.00	192.64	0.00	193.16	0.45	193.68	1.42
192.13	0.00	192.65	0.00	193.17	0.49	193.69	1.43
192.14	0.00	192.66	0.00	193.18	0.53	193.70	1.44
192.15	0.00	192.67	0.00	193.19	0.57	193.71	1.45
192.16	0.00	192.68	0.00	193.20	0.60	193.72	1.46
192.17	0.00	192.69	0.00	193.21	0.63	193.73	1.48
192.18	0.00	192.70	0.00	193.22	0.66	193.74	1.49
192.19	0.00	192.71	0.00	193.23	0.69	193.75	1.50
192.20	0.00	192.72	0.00	193.24	0.71	193.76	1.51
192.21	0.00	192.73	0.00	193.25	0.74	193.77	1.52
192.22	0.00	192.74	0.00	193.26	0.76	193.78	1.53
192.23	0.00	192.75	0.00	193.27	0.78	193.79	1.54
192.24	0.00	192.76	0.00	193.28	0.80	193.80	1.55
192.25	0.00	192.77	0.00	193.29	0.82	193.81	1.57
192.26	0.00	192.78	0.00	193.30	0.85	193.82	1.58
192.27	0.00	192.79	0.00	193.31	0.87	193.83	1.60
192.28	0.00	192.80	0.00	193.32	0.89	193.84	1.63
192.29	0.00	192.81	0.00	193.33	0.90	193.85	1.68
192.30	0.00	192.82	0.00	193.34	0.92	193.86	1.72
192.31	0.00	192.83	0.00	193.35	0.94	193.87	1.77
192.32	0.00	192.84	0.00	193.36	0.96	193.88	1.83
192.33	0.00	192.85	0.00	193.37	0.98	193.89	1.89
192.34	0.00	192.86	0.00	193.38	0.99	193.90	1.95
192.35	0.00	192.87	0.00	193.39	1.01	193.91	2.02
192.36	0.00	192.88	0.00	193.40	1.03	193.92	2.09
192.37	0.00	192.89	0.00	193.41	1.05	193.93	2.16
192.38	0.00	192.90	0.00	193.42	1.06	193.94	2.24
192.39	0.00	192.91	0.00	193.43	1.08	193.95	2.32
192.40	0.00	192.92	0.00	193.44	1.09	193.96	2.40
192.41	0.00	192.93	0.00	193.45	1.11	193.97	2.48
192.42	0.00	192.94	0.00	193.46	1.12	193.98	2.57
192.43	0.00	192.95	0.00	193.47	1.14	193.99	2.66
192.44	0.00	192.96	0.00	193.48	1.15	194.00	2.75
192.45	0.00	192.97	0.00	193.49	1.17	194.01	2.84
192.46	0.00	192.98	0.00	193.50	1.18	194.02	2.94
192.47	0.00	192.99	0.01	193.51	1.20	194.03	3.03
192.48	0.00	193.00	0.02	193.52	1.21	194.04	3.13
192.49	0.00	193.01	0.03	193.53	1.23	194.05	3.23
192.50	0.00	193.02	0.05	193.54	1.24	194.06	3.34
192.51	0.00	193.03	0.07	193.55	1.25	194.07	3.44

Stage-Discharge for Pond B-55: Basin #55 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
194.08	3.55	194.60	10.91	195.12	12.19	195.64	23.12
194.09	3.65	194.61	10.94	195.13	12.21	195.65	23.93
194.10	3.76	194.62	10.96	195.14	12.23	195.66	24.79
194.11	3.87	194.63	10.99	195.15	12.26	195.67	25.69
194.12	3.99	194.64	11.01	195.16	12.28	195.68	26.61
194.13	4.10	194.65	11.04	195.17	12.30	195.69	27.55
194.14	4.22	194.66	11.06	195.18	12.32	195.70	28.52
194.15	4.34	194.67	11.09	195.19	12.35	195.71	29.52
194.16	4.46	194.68	11.12	195.20	12.37	195.72	30.53
194.17	4.58	194.69	11.14	195.21	12.39	195.73	31.58
194.18	4.70	194.70	11.17	195.22	12.42	195.74	32.65
194.19	4.82	194.71	11.19	195.23	12.44	195.75	33.74
194.20	4.95	194.72	11.22	195.24	12.46	195.76	34.86
194.21	5.07	194.73	11.24	195.25	12.48	195.77	36.00
194.22	5.20	194.74	11.27	195.26	12.51	195.78	37.17
194.23	5.33	194.75	11.29	195.27	12.53	195.79	38.36
194.24	5.46	194.76	11.32	195.28	12.55	195.80	39.57
194.25	5.59	194.77	11.34	195.29	12.58	195.81	40.81
194.26	5.73	194.78	11.37	195.30	12.60	195.82	42.08
194.27	5.86	194.79	11.39	195.31	12.62	195.83	43.36
194.28	6.00	194.80	11.42	195.32	12.64	195.84	44.67
194.29	6.13	194.81	11.44	195.33	12.66	195.85	46.01
194.30	6.27	194.82	11.47	195.34	12.69	195.86	47.40
194.31	6.41	194.83	11.49	195.35	12.71	195.87	48.81
194.32	6.55	194.84	11.52	195.36	12.73	195.88	50.25
194.33	6.69	194.85	11.54	195.37	12.75	195.89	51.71
194.34	6.84	194.86	11.57	195.38	12.78	195.90	53.20
194.35	6.98	194.87	11.59	195.39	12.80	195.91	54.72
194.36	7.13	194.88	11.61	195.40	12.82	195.92	56.26
194.37	7.27	194.89	11.64	195.41	12.84	195.93	57.83
194.38	7.42	194.90	11.66	195.42	12.86	195.94	59.43
194.39	7.57	194.91	11.69	195.43	12.89	195.95	61.05
194.40	7.72	194.92	11.71	195.44	12.91	195.96	62.70
194.41	7.87	194.93	11.74	195.45	12.93	195.97	64.37
194.42	8.02	194.94	11.76	195.46	13.07	195.98	66.07
194.43	8.17	194.95	11.78	195.47	13.31	195.99	67.80
194.44	8.33	194.96	11.81	195.48	13.61	196.00	**69.56**
194.45	8.48	194.97	11.83	195.49	13.96		
194.46	8.64	194.98	11.86	195.50	14.35		
194.47	8.80	194.99	11.88	195.51	14.79		
194.48	8.95	195.00	11.90	195.52	15.26		
194.49	9.11	195.01	11.93	195.53	15.76		
194.50	9.27	195.02	11.95	195.54	16.30		
194.51	9.43	195.03	11.97	195.55	16.87		
194.52	9.60	195.04	12.00	195.56	17.46		
194.53	9.76	195.05	12.02	195.57	18.08		
194.54	9.92	195.06	12.05	195.58	18.73		
194.55	10.09	195.07	12.07	195.59	19.40		
194.56	10.25	195.08	12.09	195.60	20.10		
194.57	10.42	195.09	12.12	195.61	20.82		
194.58	10.59	195.10	12.14	195.62	21.57		
194.59	10.75	195.11	12.16	195.63	22.33		

Stage-Area-Storage for Pond B-55: Basin #55

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
192.00	4,250	0
192.01	4,255	43
192.02	4,260	85
192.03	4,265	128
192.04	4,270	170
192.05	4,275	213
192.06	4,280	256
192.07	4,285	299
192.08	4,290	342
192.09	4,295	385
192.10	4,300	427
192.11	4,305	471
192.12	4,310	514
192.13	4,314	557
192.14	4,319	600
192.15	4,324	643
192.16	4,329	686
192.17	4,334	730
192.18	4,339	773
192.19	4,344	816
192.20	4,349	860
192.21	4,354	903
192.22	4,359	947
192.23	4,364	991
192.24	4,369	1,034
192.25	4,374	1,078
192.26	4,379	1,122
192.27	4,384	1,166
192.28	4,389	1,209
192.29	4,394	1,253
192.30	4,399	1,297
192.31	4,404	1,341
192.32	4,409	1,385
192.33	4,414	1,430
192.34	4,419	1,474
192.35	4,424	1,518
192.36	4,429	1,562
192.37	4,434	1,606
192.38	4,438	1,651
192.39	4,443	1,695
192.40	4,448	1,740
192.41	4,453	1,784
192.42	4,458	1,829
192.43	4,463	1,873
192.44	4,468	1,918
192.45	4,473	1,963
192.46	4,478	2,007
192.47	4,483	2,052
192.48	4,488	2,097
192.49	4,493	2,142
192.50	4,498	2,187
192.51	4,503	2,232
192.52	4,508	2,277
192.53	4,513	2,322
192.54	4,518	2,367
192.55	4,523	2,413
192.56	4,528	2,458
192.57	4,533	2,503
192.58	4,538	2,548
192.59	4,543	2,594
192.60	4,548	2,639
192.61	4,553	2,685
192.62	4,558	2,730
192.63	4,562	2,776
192.64	4,567	2,822
192.65	4,572	2,867
192.66	4,577	2,913
192.67	4,582	2,959
192.68	4,587	3,005
192.69	4,592	3,051
192.70	4,597	3,097
192.71	4,602	3,143
192.72	4,607	3,189
192.73	4,612	3,235
192.74	4,617	3,281
192.75	4,622	3,327
192.76	4,627	3,373
192.77	4,632	3,420
192.78	4,637	3,466
192.79	4,642	3,512
192.80	4,647	3,559
192.81	4,652	3,605
192.82	4,657	3,652
192.83	4,662	3,698
192.84	4,667	3,745
192.85	4,672	3,792
192.86	4,677	3,838
192.87	4,682	3,885
192.88	4,686	3,932
192.89	4,691	3,979
192.90	4,696	4,026
192.91	4,701	4,073
192.92	4,706	4,120
192.93	4,711	4,167
192.94	4,716	4,214
192.95	4,721	4,261
192.96	4,726	4,309
192.97	4,731	4,356
192.98	4,736	4,403
192.99	4,741	4,451
193.00	4,746	4,498
193.01	4,751	4,545
193.02	4,756	4,593
193.03	4,761	4,641

Stage-Area-Storage for Pond B-55: Basin #55 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
193.04	4,766	4,688	193.56	5,032	7,236
193.05	4,772	4,736	193.57	5,037	7,286
193.06	4,777	4,784	193.58	5,042	7,337
193.07	4,782	4,831	193.59	5,047	7,387
193.08	4,787	4,879	193.60	5,053	7,438
193.09	4,792	4,927	193.61	5,058	7,488
193.10	4,797	4,975	193.62	5,063	7,539
193.11	4,802	5,023	193.63	5,068	7,589
193.12	4,807	5,071	193.64	5,073	7,640
193.13	4,812	5,119	193.65	5,078	7,691
193.14	4,818	5,167	193.66	5,083	7,742
193.15	4,823	5,216	193.67	5,088	7,793
193.16	4,828	5,264	193.68	5,093	7,843
193.17	4,833	5,312	193.69	5,099	7,894
193.18	4,838	5,361	193.70	5,104	7,945
193.19	4,843	5,409	193.71	5,109	7,996
193.20	4,848	5,457	193.72	5,114	8,048
193.21	4,853	5,506	193.73	5,119	8,099
193.22	4,858	5,554	193.74	5,124	8,150
193.23	4,864	5,603	193.75	5,129	8,201
193.24	4,869	5,652	193.76	5,134	8,253
193.25	4,874	5,700	193.77	5,139	8,304
193.26	4,879	5,749	193.78	5,145	8,355
193.27	4,884	5,798	193.79	5,150	8,407
193.28	4,889	5,847	193.80	5,155	8,458
193.29	4,894	5,896	193.81	5,160	8,510
193.30	4,899	5,945	193.82	5,165	8,562
193.31	4,904	5,994	193.83	5,170	8,613
193.32	4,910	6,043	193.84	5,175	8,665
193.33	4,915	6,092	193.85	5,180	8,717
193.34	4,920	6,141	193.86	5,185	8,769
193.35	4,925	6,190	193.87	5,191	8,820
193.36	4,930	6,240	193.88	5,196	8,872
193.37	4,935	6,289	193.89	5,201	8,924
193.38	4,940	6,338	193.90	5,206	8,976
193.39	4,945	6,388	193.91	5,211	9,028
193.40	4,950	6,437	193.92	5,216	9,081
193.41	4,956	6,487	193.93	5,221	9,133
193.42	4,961	6,536	193.94	5,226	9,185
193.43	4,966	6,586	193.95	5,231	9,237
193.44	4,971	6,636	193.96	5,237	9,290
193.45	4,976	6,685	193.97	5,242	9,342
193.46	4,981	6,735	193.98	5,247	9,394
193.47	4,986	6,785	193.99	5,252	9,447
193.48	4,991	6,835	194.00	5,257	9,500
193.49	4,996	6,885	194.01	5,262	9,552
193.50	5,002	6,935	194.02	5,268	9,605
193.51	5,007	6,985	194.03	5,273	9,657
193.52	5,012	7,035	194.04	5,278	9,710
193.53	5,017	7,085	194.05	5,283	9,763
193.54	5,022	7,135	194.06	5,289	9,816
193.55	5,027	7,186	194.07	5,294	9,869

Stage-Area-Storage for Pond B-55: Basin #55 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
194.08	5,299	9,922	194.60	5,573	12,749
194.09	5,304	9,975	194.61	5,578	12,804
194.10	5,310	10,028	194.62	5,584	12,860
194.11	5,315	10,081	194.63	5,589	12,916
194.12	5,320	10,134	194.64	5,594	12,972
194.13	5,326	10,187	194.65	5,600	13,028
194.14	5,331	10,241	194.66	5,605	13,084
194.15	5,336	10,294	194.67	5,610	13,140
194.16	5,341	10,347	194.68	5,615	13,196
194.17	5,347	10,401	194.69	5,621	13,252
194.18	5,352	10,454	194.70	5,626	13,309
194.19	5,357	10,508	194.71	5,631	13,365
194.20	5,362	10,561	194.72	5,636	13,421
194.21	5,368	10,615	194.73	5,642	13,478
194.22	5,373	10,669	194.74	5,647	13,534
194.23	5,378	10,723	194.75	5,652	13,590
194.24	5,383	10,776	194.76	5,658	13,647
194.25	5,389	10,830	194.77	5,663	13,704
194.26	5,394	10,884	194.78	5,668	13,760
194.27	5,399	10,938	194.79	5,673	13,817
194.28	5,405	10,992	194.80	5,679	13,874
194.29	5,410	11,046	194.81	5,684	13,931
194.30	5,415	11,100	194.82	5,689	13,987
194.31	5,420	11,154	194.83	5,694	14,044
194.32	5,426	11,209	194.84	5,700	14,101
194.33	5,431	11,263	194.85	5,705	14,158
194.34	5,436	11,317	194.86	5,710	14,215
194.35	5,441	11,372	194.87	5,715	14,273
194.36	5,447	11,426	194.88	5,721	14,330
194.37	5,452	11,481	194.89	5,726	14,387
194.38	5,457	11,535	194.90	5,731	14,444
194.39	5,463	11,590	194.91	5,737	14,502
194.40	5,468	11,644	194.92	5,742	14,559
194.41	5,473	11,699	194.93	5,747	14,616
194.42	5,478	11,754	194.94	5,752	14,674
194.43	5,484	11,809	194.95	5,758	14,731
194.44	5,489	11,864	194.96	5,763	14,789
194.45	5,494	11,919	194.97	5,768	14,847
194.46	5,499	11,973	194.98	5,773	14,904
194.47	5,505	12,028	194.99	5,779	14,962
194.48	5,510	12,084	195.00	5,784	15,020
194.49	5,515	12,139	195.01	5,789	15,078
194.50	5,521	12,194	195.02	5,795	15,136
194.51	5,526	12,249	195.03	5,800	15,194
194.52	5,531	12,304	195.04	5,806	15,252
194.53	5,536	12,360	195.05	5,811	15,310
194.54	5,542	12,415	195.06	5,817	15,368
194.55	5,547	12,471	195.07	5,822	15,426
194.56	5,552	12,526	195.08	5,827	15,484
194.57	5,557	12,582	195.09	5,833	15,543
194.58	5,563	12,637	195.10	5,838	15,601
194.59	5,568	12,693	195.11	5,844	15,660

Stage-Area-Storage for Pond B-55: Basin #55 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
195.12	5,849	15,718
195.13	5,855	15,777
195.14	5,860	15,835
195.15	5,865	15,894
195.16	5,871	15,952
195.17	5,876	16,011
195.18	5,882	16,070
195.19	5,887	16,129
195.20	5,893	16,188
195.21	5,898	16,247
195.22	5,903	16,306
195.23	5,909	16,365
195.24	5,914	16,424
195.25	5,920	16,483
195.26	5,925	16,542
195.27	5,931	16,601
195.28	5,936	16,661
195.29	5,941	16,720
195.30	5,947	16,780
195.31	5,952	16,839
195.32	5,958	16,899
195.33	5,963	16,958
195.34	5,969	17,018
195.35	5,974	17,078
195.36	5,979	17,137
195.37	5,985	17,197
195.38	5,990	17,257
195.39	5,996	17,317
195.40	6,001	17,377
195.41	6,007	17,437
195.42	6,012	17,497
195.43	6,017	17,557
195.44	6,023	17,618
195.45	6,028	17,678
195.46	6,034	17,738
195.47	6,039	17,798
195.48	6,045	17,859
195.49	6,050	17,919
195.50	6,056	17,980
195.51	6,061	18,040
195.52	6,066	18,101
195.53	6,072	18,162
195.54	6,077	18,223
195.55	6,083	18,283
195.56	6,088	18,344
195.57	6,094	18,405
195.58	6,099	18,466
195.59	6,104	18,527
195.60	6,110	18,588
195.61	6,115	18,649
195.62	6,121	18,710
195.63	6,126	18,772
195.64	6,132	18,833
195.65	6,137	18,894
195.66	6,142	18,956
195.67	6,148	19,017
195.68	6,153	19,079
195.69	6,159	19,140
195.70	6,164	19,202
195.71	6,170	19,264
195.72	6,175	19,325
195.73	6,180	19,387
195.74	6,186	19,449
195.75	6,191	19,511
195.76	6,197	19,573
195.77	6,202	19,635
195.78	6,208	19,697
195.79	6,213	19,759
195.80	6,218	19,821
195.81	6,224	19,883
195.82	6,229	19,945
195.83	6,235	20,008
195.84	6,240	20,070
195.85	6,246	20,133
195.86	6,251	20,195
195.87	6,256	20,258
195.88	6,262	20,320
195.89	6,267	20,383
195.90	6,273	20,446
195.91	6,278	20,508
195.92	6,284	20,571
195.93	6,289	20,634
195.94	6,294	20,697
195.95	6,300	20,760
195.96	6,305	20,823
195.97	6,311	20,886
195.98	6,316	20,949
195.99	6,322	21,012
196.00	**6,327**	**21,076**

Summary for Pond B-56: Basin #56

Inflow Area = 1.512 ac, 31.08% Impervious, Inflow Depth = 8.67" for Future 100 yr event
Inflow = 17.53 cfs @ 12.08 hrs, Volume= 1.093 af
Outflow = 9.48 cfs @ 12.16 hrs, Volume= 0.985 af, Atten= 46%, Lag= 4.8 min
Primary = 9.48 cfs @ 12.16 hrs, Volume= 0.985 af
Routed to Pond B-51 : Basin #51

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 195.49' @ 12.17 hrs Surf.Area= 6,733 sf Storage= 20,474 cf

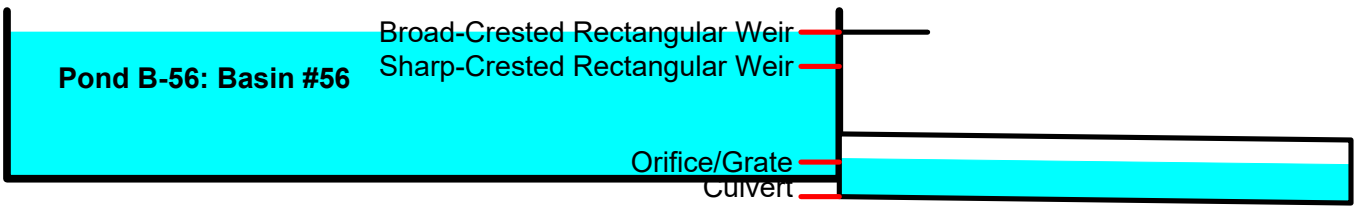
Plug-Flow detention time= 371.3 min calculated for 0.985 af (90% of inflow)
Center-of-Mass det. time= 320.4 min (1,097.1 - 776.7)

Volume	Invert	Avail.Storage	Storage Description
#1	192.00'	23,952 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

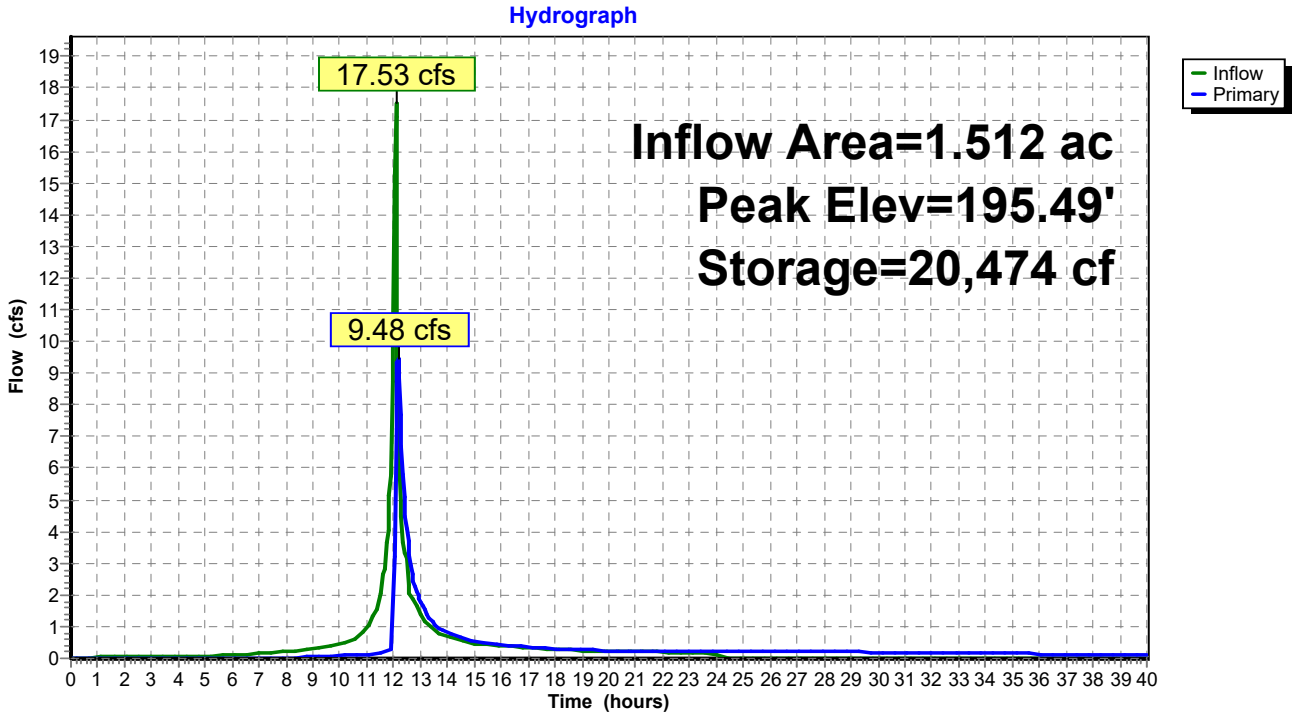
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
192.00	5,021	0	0
193.00	5,490	5,256	5,256
194.00	5,976	5,733	10,989
195.00	6,478	6,227	17,216
196.00	6,995	6,737	23,952

Device	Routing	Invert	Outlet Devices
#1	Primary	191.57'	**18.0" Round Culvert** L= 29.0' Ke= 0.500 Inlet / Outlet Invert= 191.57' / 191.42' S= 0.0052 '/' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Device 1	192.40'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	194.68'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	195.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=9.20 cfs @ 12.16 hrs HW=195.48' (Free Discharge)
- **1=Culvert** (Passes 9.20 cfs of 15.12 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.28 cfs @ 8.30 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 8.92 cfs @ 2.92 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-56: Basin #56



Hydrograph for Pond B-56: Basin #56

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	192.00	0.00
0.10	0.00	0	192.00	0.00
0.20	0.00	0	192.00	0.00
0.30	0.00	0	192.00	0.00
0.40	0.00	0	192.00	0.00
0.50	0.01	2	192.00	0.00
0.60	0.01	5	192.00	0.00
0.70	0.02	11	192.00	0.00
0.80	0.02	17	192.00	0.00
0.90	0.02	25	192.01	0.00
1.00	0.03	35	192.01	0.00
1.10	0.03	45	192.01	0.00
1.20	0.03	56	192.01	0.00
1.30	0.03	68	192.01	0.00
1.40	0.04	81	192.02	0.00
1.50	0.04	95	192.02	0.00
1.60	0.04	109	192.02	0.00
1.70	0.04	125	192.02	0.00
1.80	0.04	140	192.03	0.00
1.90	0.05	157	192.03	0.00
2.00	0.05	174	192.03	0.00
2.10	0.05	191	192.04	0.00
2.20	0.05	209	192.04	0.00
2.30	0.05	227	192.05	0.00
2.40	0.05	246	192.05	0.00
2.50	0.05	265	192.05	0.00
2.60	0.05	285	192.06	0.00
2.70	0.06	305	192.06	0.00
2.80	0.06	325	192.06	0.00
2.90	0.06	346	192.07	0.00
3.00	0.06	367	192.07	0.00
3.10	0.06	388	192.08	0.00
3.20	0.06	410	192.08	0.00
3.30	0.06	432	192.09	0.00
3.40	0.06	455	192.09	0.00
3.50	0.06	478	192.09	0.00
3.60	0.06	501	192.10	0.00
3.70	0.07	524	192.10	0.00
3.80	0.07	548	192.11	0.00
3.90	0.07	571	192.11	0.00
4.00	0.07	596	192.12	0.00
4.10	0.07	620	192.12	0.00
4.20	0.07	645	192.13	0.00
4.30	0.07	670	192.13	0.00
4.40	0.07	695	192.14	0.00
4.50	0.07	721	192.14	0.00
4.60	0.07	746	192.15	0.00
4.70	0.07	772	192.15	0.00
4.80	0.07	799	192.16	0.00
4.90	0.07	825	192.16	0.00
5.00	0.07	852	192.17	0.00
5.10	0.08	879	192.17	0.00

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.08	907	192.18	0.00
5.30	0.08	936	192.18	0.00
5.40	0.08	965	192.19	0.00
5.50	0.09	995	192.20	0.00
5.60	0.09	1,027	192.20	0.00
5.70	0.09	1,059	192.21	0.00
5.80	0.09	1,092	192.22	0.00
5.90	0.09	1,126	192.22	0.00
6.00	0.10	1,160	192.23	0.00
6.10	0.10	1,196	192.24	0.00
6.20	0.11	1,234	192.24	0.00
6.30	0.11	1,273	192.25	0.00
6.40	0.11	1,313	192.26	0.00
6.50	0.12	1,356	192.27	0.00
6.60	0.12	1,400	192.28	0.00
6.70	0.13	1,445	192.28	0.00
6.80	0.13	1,493	192.29	0.00
6.90	0.14	1,542	192.30	0.00
7.00	0.14	1,593	192.31	0.00
7.10	0.15	1,646	192.32	0.00
7.20	0.15	1,701	192.33	0.00
7.30	0.16	1,757	192.34	0.00
7.40	0.17	1,816	192.36	0.00
7.50	0.17	1,877	192.37	0.00
7.60	0.18	1,939	192.38	0.00
7.70	0.18	2,004	192.39	0.00
7.80	0.19	2,070	192.40	0.00
7.90	0.19	2,139	192.42	0.00
8.00	0.20	2,210	192.43	0.00
8.10	0.21	2,282	192.45	0.00
8.20	0.21	2,355	192.46	0.01
8.30	0.22	2,429	192.47	0.01
8.40	0.22	2,505	192.49	0.01
8.50	0.23	2,581	192.50	0.02
8.60	0.24	2,658	192.52	0.02
8.70	0.24	2,736	192.53	0.03
8.80	0.25	2,814	192.55	0.03
8.90	0.26	2,892	192.56	0.04
9.00	0.26	2,971	192.58	0.04
9.10	0.28	3,053	192.59	0.05
9.20	0.30	3,140	192.61	0.05
9.30	0.32	3,231	192.63	0.06
9.40	0.34	3,328	192.64	0.06
9.50	0.35	3,430	192.66	0.07
9.60	0.37	3,537	192.68	0.07
9.70	0.39	3,650	192.70	0.07
9.80	0.41	3,769	192.73	0.08
9.90	0.44	3,894	192.75	0.08
10.00	0.46	4,025	192.77	0.09
10.10	0.48	4,162	192.80	0.09
10.20	0.50	4,305	192.83	0.09
10.30	0.52	4,455	192.85	0.10

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.54	4,612	192.88	0.10
10.50	0.57	4,776	192.91	0.10
10.60	0.64	4,957	192.95	0.11
10.70	0.71	5,162	192.98	0.11
10.80	0.79	5,393	193.03	0.12
10.90	0.87	5,650	193.07	0.12
11.00	0.95	5,934	193.12	0.13
11.10	1.09	6,258	193.18	0.14
11.20	1.24	6,633	193.25	0.14
11.30	1.39	7,059	193.32	0.15
11.40	1.55	7,539	193.41	0.16
11.50	1.70	8,069	193.50	0.16
11.60	2.64	8,823	193.63	0.17
11.70	2.87	9,754	193.79	0.19
11.80	4.01	10,958	193.99	0.20
11.90	5.76	12,690	194.28	0.22
12.00	10.23	15,600	194.75	0.48
12.10	**17.09**	**19,529**	**195.35**	**7.25**
12.20	6.31	**20,203**	**195.45**	**8.83**
12.30	4.48	19,286	195.32	6.69
12.40	3.31	18,533	195.20	5.07
12.50	3.11	18,047	195.13	4.10
12.60	2.04	17,605	195.06	3.27
12.70	1.91	17,252	195.01	2.65
12.80	1.74	17,020	194.97	2.27
12.90	1.58	16,844	194.94	2.00
13.00	1.41	16,698	194.92	1.77
13.10	1.24	16,565	194.90	1.59
13.20	1.15	16,452	194.88	1.43
13.30	1.07	16,358	194.87	1.30
13.40	0.97	16,272	194.85	1.19
13.50	0.89	16,193	194.84	1.09
13.60	0.80	16,116	194.83	1.00
13.70	0.77	16,051	194.82	0.93
13.80	0.75	16,001	194.81	0.87
13.90	0.73	15,961	194.80	0.82
14.00	0.70	15,928	194.80	0.79
14.10	0.68	15,898	194.79	0.76
14.20	0.66	15,870	194.79	0.73
14.30	0.63	15,843	194.79	0.70
14.40	0.61	15,817	194.78	0.68
14.50	0.59	15,791	194.78	0.65
14.60	0.56	15,766	194.77	0.63
14.70	0.54	15,741	194.77	0.61
14.80	0.52	15,717	194.77	0.58
14.90	0.49	15,692	194.76	0.56
15.00	0.47	15,667	194.76	0.54
15.10	0.45	15,642	194.75	0.52
15.20	0.44	15,618	194.75	0.50
15.30	0.43	15,598	194.75	0.48
15.40	0.43	15,581	194.75	0.47
15.50	0.42	15,566	194.74	0.46

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.41	15,553	194.74	0.45
15.70	0.41	15,541	194.74	0.44
15.80	0.40	15,529	194.74	0.43
15.90	0.40	15,519	194.74	0.42
16.00	0.39	15,509	194.73	0.42
16.10	0.38	15,500	194.73	0.41
16.20	0.38	15,491	194.73	0.40
16.30	0.37	15,482	194.73	0.39
16.40	0.36	15,473	194.73	0.39
16.50	0.36	15,464	194.73	0.38
16.60	0.35	15,455	194.73	0.37
16.70	0.35	15,447	194.72	0.37
16.80	0.34	15,438	194.72	0.36
16.90	0.33	15,430	194.72	0.36
17.00	0.33	15,422	194.72	0.35
17.10	0.32	15,413	194.72	0.35
17.20	0.31	15,404	194.72	0.34
17.30	0.31	15,393	194.72	0.34
17.40	0.30	15,382	194.71	0.33
17.50	0.30	15,370	194.71	0.33
17.60	0.29	15,358	194.71	0.32
17.70	0.28	15,346	194.71	0.32
17.80	0.28	15,333	194.71	0.31
17.90	0.27	15,320	194.70	0.31
18.00	0.26	15,307	194.70	0.30
18.10	0.26	15,293	194.70	0.29
18.20	0.26	15,280	194.70	0.29
18.30	0.25	15,269	194.70	0.28
18.40	0.25	15,258	194.69	0.28
18.50	0.25	15,249	194.69	0.28
18.60	0.25	15,240	194.69	0.27
18.70	0.25	15,232	194.69	0.27
18.80	0.25	15,225	194.69	0.27
18.90	0.24	15,218	194.69	0.26
19.00	0.24	15,211	194.69	0.26
19.10	0.24	15,205	194.69	0.26
19.20	0.24	15,200	194.68	0.26
19.30	0.24	15,194	194.68	0.25
19.40	0.24	15,189	194.68	0.25
19.50	0.24	15,184	194.68	0.25
19.60	0.23	15,179	194.68	0.25
19.70	0.23	15,175	194.68	0.24
19.80	0.23	15,170	194.68	0.24
19.90	0.23	15,166	194.68	0.24
20.00	0.23	15,161	194.68	0.24
20.10	0.23	15,155	194.68	0.24
20.20	0.22	15,149	194.68	0.24
20.30	0.22	15,143	194.68	0.24
20.40	0.22	15,135	194.67	0.24
20.50	0.22	15,128	194.67	0.24
20.60	0.22	15,120	194.67	0.24
20.70	0.22	15,111	194.67	0.24

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.21	15,102	194.67	0.24
20.90	0.21	15,092	194.67	0.24
21.00	0.21	15,081	194.67	0.24
21.10	0.21	15,070	194.66	0.24
21.20	0.21	15,059	194.66	0.24
21.30	0.21	15,047	194.66	0.24
21.40	0.21	15,035	194.66	0.24
21.50	0.20	15,022	194.66	0.24
21.60	0.20	15,008	194.65	0.24
21.70	0.20	14,994	194.65	0.24
21.80	0.20	14,979	194.65	0.24
21.90	0.20	14,964	194.65	0.24
22.00	0.20	14,949	194.65	0.24
22.10	0.19	14,932	194.64	0.24
22.20	0.19	14,916	194.64	0.24
22.30	0.19	14,899	194.64	0.24
22.40	0.19	14,881	194.63	0.24
22.50	0.19	14,863	194.63	0.24
22.60	0.19	14,844	194.63	0.24
22.70	0.18	14,825	194.63	0.24
22.80	0.18	14,805	194.62	0.24
22.90	0.18	14,785	194.62	0.24
23.00	0.18	14,764	194.62	0.24
23.10	0.18	14,743	194.61	0.24
23.20	0.18	14,721	194.61	0.24
23.30	0.18	14,699	194.61	0.24
23.40	0.18	14,676	194.60	0.24
23.50	0.17	14,653	194.60	0.24
23.60	0.17	14,629	194.59	0.24
23.70	0.17	14,605	194.59	0.24
23.80	0.17	14,580	194.59	0.24
23.90	0.17	14,555	194.58	0.24
24.00	0.20	14,538	194.58	0.24
24.10	0.00	14,482	194.57	0.24
24.20	0.00	14,397	194.56	0.24
24.30	0.00	14,313	194.54	0.23
24.40	0.00	14,228	194.53	0.23
24.50	0.00	14,145	194.52	0.23
24.60	0.00	14,061	194.50	0.23
24.70	0.00	13,977	194.49	0.23
24.80	0.00	13,894	194.48	0.23
24.90	0.00	13,811	194.46	0.23
25.00	0.00	13,729	194.45	0.23
25.10	0.00	13,647	194.44	0.23
25.20	0.00	13,565	194.42	0.23
25.30	0.00	13,483	194.41	0.23
25.40	0.00	13,401	194.40	0.23
25.50	0.00	13,320	194.38	0.23
25.60	0.00	13,239	194.37	0.22
25.70	0.00	13,159	194.36	0.22
25.80	0.00	13,079	194.34	0.22
25.90	0.00	12,998	194.33	0.22

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	12,919	194.32	0.22
26.10	0.00	12,839	194.31	0.22
26.20	0.00	12,760	194.29	0.22
26.30	0.00	12,681	194.28	0.22
26.40	0.00	12,603	194.27	0.22
26.50	0.00	12,524	194.25	0.22
26.60	0.00	12,446	194.24	0.22
26.70	0.00	12,369	194.23	0.22
26.80	0.00	12,291	194.22	0.21
26.90	0.00	12,214	194.20	0.21
27.00	0.00	12,137	194.19	0.21
27.10	0.00	12,060	194.18	0.21
27.20	0.00	11,984	194.17	0.21
27.30	0.00	11,908	194.15	0.21
27.40	0.00	11,832	194.14	0.21
27.50	0.00	11,757	194.13	0.21
27.60	0.00	11,682	194.12	0.21
27.70	0.00	11,607	194.10	0.21
27.80	0.00	11,532	194.09	0.21
27.90	0.00	11,458	194.08	0.21
28.00	0.00	11,384	194.07	0.21
28.10	0.00	11,310	194.05	0.20
28.20	0.00	11,237	194.04	0.20
28.30	0.00	11,164	194.03	0.20
28.40	0.00	11,091	194.02	0.20
28.50	0.00	11,019	194.01	0.20
28.60	0.00	10,946	193.99	0.20
28.70	0.00	10,874	193.98	0.20
28.80	0.00	10,803	193.97	0.20
28.90	0.00	10,731	193.96	0.20
29.00	0.00	10,660	193.94	0.20
29.10	0.00	10,590	193.93	0.20
29.20	0.00	10,519	193.92	0.20
29.30	0.00	10,449	193.91	0.19
29.40	0.00	10,379	193.90	0.19
29.50	0.00	10,309	193.89	0.19
29.60	0.00	10,240	193.87	0.19
29.70	0.00	10,171	193.86	0.19
29.80	0.00	10,102	193.85	0.19
29.90	0.00	10,034	193.84	0.19
30.00	0.00	9,966	193.83	0.19
30.10	0.00	9,898	193.82	0.19
30.20	0.00	9,830	193.80	0.19
30.30	0.00	9,763	193.79	0.19
30.40	0.00	9,696	193.78	0.19
30.50	0.00	9,630	193.77	0.18
30.60	0.00	9,563	193.76	0.18
30.70	0.00	9,497	193.75	0.18
30.80	0.00	9,431	193.74	0.18
30.90	0.00	9,366	193.73	0.18
31.00	0.00	9,301	193.71	0.18
31.10	0.00	9,236	193.70	0.18

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	9,171	193.69	0.18
31.30	0.00	9,107	193.68	0.18
31.40	0.00	9,043	193.67	0.18
31.50	0.00	8,980	193.66	0.18
31.60	0.00	8,916	193.65	0.18
31.70	0.00	8,853	193.64	0.17
31.80	0.00	8,790	193.63	0.17
31.90	0.00	8,728	193.62	0.17
32.00	0.00	8,666	193.60	0.17
32.10	0.00	8,604	193.59	0.17
32.20	0.00	8,543	193.58	0.17
32.30	0.00	8,481	193.57	0.17
32.40	0.00	8,420	193.56	0.17
32.50	0.00	8,360	193.55	0.17
32.60	0.00	8,299	193.54	0.17
32.70	0.00	8,239	193.53	0.17
32.80	0.00	8,180	193.52	0.17
32.90	0.00	8,120	193.51	0.16
33.00	0.00	8,061	193.50	0.16
33.10	0.00	8,002	193.49	0.16
33.20	0.00	7,944	193.48	0.16
33.30	0.00	7,886	193.47	0.16
33.40	0.00	7,828	193.46	0.16
33.50	0.00	7,770	193.45	0.16
33.60	0.00	7,713	193.44	0.16
33.70	0.00	7,656	193.43	0.16
33.80	0.00	7,599	193.42	0.16
33.90	0.00	7,543	193.41	0.16
34.00	0.00	7,487	193.40	0.16
34.10	0.00	7,431	193.39	0.15
34.20	0.00	7,376	193.38	0.15
34.30	0.00	7,320	193.37	0.15
34.40	0.00	7,266	193.36	0.15
34.50	0.00	7,211	193.35	0.15
34.60	0.00	7,157	193.34	0.15
34.70	0.00	7,103	193.33	0.15
34.80	0.00	7,049	193.32	0.15
34.90	0.00	6,996	193.31	0.15
35.00	0.00	6,943	193.30	0.15
35.10	0.00	6,890	193.29	0.15
35.20	0.00	6,838	193.28	0.15
35.30	0.00	6,786	193.28	0.14
35.40	0.00	6,734	193.27	0.14
35.50	0.00	6,683	193.26	0.14
35.60	0.00	6,632	193.25	0.14
35.70	0.00	6,581	193.24	0.14
35.80	0.00	6,530	193.23	0.14
35.90	0.00	6,480	193.22	0.14
36.00	0.00	6,430	193.21	0.14
36.10	0.00	6,381	193.20	0.14
36.20	0.00	6,332	193.19	0.14
36.30	0.00	6,283	193.19	0.14

Hydrograph for Pond B-56: Basin #56 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	6,234	193.18	0.13
36.50	0.00	6,186	193.17	0.13
36.60	0.00	6,138	193.16	0.13
36.70	0.00	6,090	193.15	0.13
36.80	0.00	6,043	193.14	0.13
36.90	0.00	5,996	193.13	0.13
37.00	0.00	5,949	193.13	0.13
37.10	0.00	5,903	193.12	0.13
37.20	0.00	5,856	193.11	0.13
37.30	0.00	5,811	193.10	0.13
37.40	0.00	5,765	193.09	0.13
37.50	0.00	5,720	193.08	0.13
37.60	0.00	5,675	193.08	0.12
37.70	0.00	5,631	193.07	0.12
37.80	0.00	5,586	193.06	0.12
37.90	0.00	5,543	193.05	0.12
38.00	0.00	5,499	193.04	0.12
38.10	0.00	5,456	193.04	0.12
38.20	0.00	5,413	193.03	0.12
38.30	0.00	5,370	193.02	0.12
38.40	0.00	5,328	193.01	0.12
38.50	0.00	5,286	193.01	0.12
38.60	0.00	5,244	193.00	0.12
38.70	0.00	5,203	192.99	0.11
38.80	0.00	5,162	192.98	0.11
38.90	0.00	5,121	192.98	0.11
39.00	0.00	5,081	192.97	0.11
39.10	0.00	5,041	192.96	0.11
39.20	0.00	5,001	192.95	0.11
39.30	0.00	4,961	192.95	0.11
39.40	0.00	4,922	192.94	0.11
39.50	0.00	4,883	192.93	0.11
39.60	0.00	4,845	192.92	0.11
39.70	0.00	4,807	192.92	0.11
39.80	0.00	4,769	192.91	0.10
39.90	0.00	4,731	192.90	0.10
40.00	0.00	4,694	192.90	0.10

Stage-Discharge for Pond B-56: Basin #56

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
192.00	0.00	192.52	0.02	193.04	0.12	193.56	0.17
192.01	0.00	192.53	0.03	193.05	0.12	193.57	0.17
192.02	0.00	192.54	0.03	193.06	0.12	193.58	0.17
192.03	0.00	192.55	0.03	193.07	0.12	193.59	0.17
192.04	0.00	192.56	0.04	193.08	0.12	193.60	0.17
192.05	0.00	192.57	0.04	193.09	0.13	193.61	0.17
192.06	0.00	192.58	0.05	193.10	0.13	193.62	0.17
192.07	0.00	192.59	0.05	193.11	0.13	193.63	0.17
192.08	0.00	192.60	0.05	193.12	0.13	193.64	0.17
192.09	0.00	192.61	0.05	193.13	0.13	193.65	0.18
192.10	0.00	192.62	0.06	193.14	0.13	193.66	0.18
192.11	0.00	192.63	0.06	193.15	0.13	193.67	0.18
192.12	0.00	192.64	0.06	193.16	0.13	193.68	0.18
192.13	0.00	192.65	0.06	193.17	0.13	193.69	0.18
192.14	0.00	192.66	0.06	193.18	0.13	193.70	0.18
192.15	0.00	192.67	0.07	193.19	0.14	193.71	0.18
192.16	0.00	192.68	0.07	193.20	0.14	193.72	0.18
192.17	0.00	192.69	0.07	193.21	0.14	193.73	0.18
192.18	0.00	192.70	0.07	193.22	0.14	193.74	0.18
192.19	0.00	192.71	0.07	193.23	0.14	193.75	0.18
192.20	0.00	192.72	0.08	193.24	0.14	193.76	0.18
192.21	0.00	192.73	0.08	193.25	0.14	193.77	0.18
192.22	0.00	192.74	0.08	193.26	0.14	193.78	0.19
192.23	0.00	192.75	0.08	193.27	0.14	193.79	0.19
192.24	0.00	192.76	0.08	193.28	0.14	193.80	0.19
192.25	0.00	192.77	0.08	193.29	0.15	193.81	0.19
192.26	0.00	192.78	0.09	193.30	0.15	193.82	0.19
192.27	0.00	192.79	0.09	193.31	0.15	193.83	0.19
192.28	0.00	192.80	0.09	193.32	0.15	193.84	0.19
192.29	0.00	192.81	0.09	193.33	0.15	193.85	0.19
192.30	0.00	192.82	0.09	193.34	0.15	193.86	0.19
192.31	0.00	192.83	0.09	193.35	0.15	193.87	0.19
192.32	0.00	192.84	0.10	193.36	0.15	193.88	0.19
192.33	0.00	192.85	0.10	193.37	0.15	193.89	0.19
192.34	0.00	192.86	0.10	193.38	0.15	193.90	0.19
192.35	0.00	192.87	0.10	193.39	0.15	193.91	0.19
192.36	0.00	192.88	0.10	193.40	0.16	193.92	0.20
192.37	0.00	192.89	0.10	193.41	0.16	193.93	0.20
192.38	0.00	192.90	0.10	193.42	0.16	193.94	0.20
192.39	0.00	192.91	0.10	193.43	0.16	193.95	0.20
192.40	0.00	192.92	0.11	193.44	0.16	193.96	0.20
192.41	0.00	192.93	0.11	193.45	0.16	193.97	0.20
192.42	0.00	192.94	0.11	193.46	0.16	193.98	0.20
192.43	0.00	192.95	0.11	193.47	0.16	193.99	0.20
192.44	0.00	192.96	0.11	193.48	0.16	194.00	0.20
192.45	0.00	192.97	0.11	193.49	0.16	194.01	0.20
192.46	0.01	192.98	0.11	193.50	0.16	194.02	0.20
192.47	0.01	192.99	0.11	193.51	0.16	194.03	0.20
192.48	0.01	193.00	0.12	193.52	0.17	194.04	0.20
192.49	0.01	193.01	0.12	193.53	0.17	194.05	0.20
192.50	0.02	193.02	0.12	193.54	0.17	194.06	0.20
192.51	0.02	193.03	0.12	193.55	0.17	194.07	0.21

Stage-Discharge for Pond B-56: Basin #56 (continued)

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
194.08	0.21	194.60	0.24	195.12	4.00	195.64	18.17
194.09	0.21	194.61	0.24	195.13	4.13	195.65	19.03
194.10	0.21	194.62	0.24	195.14	4.25	195.66	19.90
194.11	0.21	194.63	0.24	195.15	4.38	195.67	20.81
194.12	0.21	194.64	0.24	195.16	4.51	195.68	21.73
194.13	0.21	194.65	0.24	195.17	4.64	195.69	22.68
194.14	0.21	194.66	0.24	195.18	4.78	195.70	23.65
194.15	0.21	194.67	0.24	195.19	4.91	195.71	24.67
194.16	0.21	194.68	0.24	195.20	5.05	195.72	25.73
194.17	0.21	194.69	0.26	195.21	5.18	195.73	26.81
194.18	0.21	194.70	0.28	195.22	5.32	195.74	27.92
194.19	0.21	194.71	0.31	195.23	5.46	195.75	29.05
194.20	0.21	194.72	0.35	195.24	5.60	195.76	30.21
194.21	0.21	194.73	0.39	195.25	5.74	195.77	31.40
194.22	0.22	194.74	0.44	195.26	5.88	195.78	32.61
194.23	0.22	194.75	0.49	195.27	6.03	195.79	33.84
194.24	0.22	194.76	0.54	195.28	6.17	195.80	35.10
194.25	0.22	194.77	0.60	195.29	6.32	195.81	36.39
194.26	0.22	194.78	0.66	195.30	6.46	195.82	37.70
194.27	0.22	194.79	0.72	195.31	6.61	195.83	39.04
194.28	0.22	194.80	0.79	195.32	6.76	195.84	40.40
194.29	0.22	194.81	0.86	195.33	6.91	195.85	41.78
194.30	0.22	194.82	0.93	195.34	7.06	195.86	43.12
194.31	0.22	194.83	1.00	195.35	7.21	195.87	44.39
194.32	0.22	194.84	1.08	195.36	7.36	195.88	45.68
194.33	0.22	194.85	1.16	195.37	7.52	195.89	46.99
194.34	0.22	194.86	1.24	195.38	7.67	195.90	48.33
194.35	0.22	194.87	1.33	195.39	7.83	195.91	49.72
194.36	0.22	194.88	1.41	195.40	7.98	195.92	51.13
194.37	0.22	194.89	1.50	195.41	8.14	195.93	52.57
194.38	0.22	194.90	1.59	195.42	8.30	195.94	54.04
194.39	0.23	194.91	1.68	195.43	8.46	195.95	55.53
194.40	0.23	194.92	1.77	195.44	8.62	195.96	57.05
194.41	0.23	194.93	1.87	195.45	8.78	195.97	58.59
194.42	0.23	194.94	1.97	195.46	8.94	195.98	60.17
194.43	0.23	194.95	2.07	195.47	9.10	195.99	61.76
194.44	0.23	194.96	2.17	195.48	9.27	196.00	**63.39**
194.45	0.23	194.97	2.27	195.49	9.43		
194.46	0.23	194.98	2.38	195.50	9.60		
194.47	0.23	194.99	2.48	195.51	9.88		
194.48	0.23	195.00	2.59	195.52	10.26		
194.49	0.23	195.01	2.70	195.53	10.71		
194.50	0.23	195.02	2.81	195.54	11.21		
194.51	0.23	195.03	2.92	195.55	11.75		
194.52	0.23	195.04	3.04	195.56	12.33		
194.53	0.23	195.05	3.15	195.57	12.96		
194.54	0.23	195.06	3.27	195.58	13.61		
194.55	0.23	195.07	3.39	195.59	14.30		
194.56	0.24	195.08	3.51	195.60	15.02		
194.57	0.24	195.09	3.63	195.61	15.77		
194.58	0.24	195.10	3.75	195.62	16.54		
194.59	0.24	195.11	3.87	195.63	17.34		

Stage-Area-Storage for Pond B-56: Basin #56

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
192.00	5,021	0	192.52	5,265	2,674
192.01	5,026	50	192.53	5,270	2,727
192.02	5,030	101	192.54	5,274	2,780
192.03	5,035	151	192.55	5,279	2,832
192.04	5,040	201	192.56	5,284	2,885
192.05	5,044	252	192.57	5,288	2,938
192.06	5,049	302	192.58	5,293	2,991
192.07	5,054	353	192.59	5,298	3,044
192.08	5,059	403	192.60	5,302	3,097
192.09	5,063	454	192.61	5,307	3,150
192.10	5,068	504	192.62	5,312	3,203
192.11	5,073	555	192.63	5,316	3,256
192.12	5,077	606	192.64	5,321	3,309
192.13	5,082	657	192.65	5,326	3,363
192.14	5,087	708	192.66	5,331	3,416
192.15	5,091	758	192.67	5,335	3,469
192.16	5,096	809	192.68	5,340	3,523
192.17	5,101	860	192.69	5,345	3,576
192.18	5,105	911	192.70	5,349	3,630
192.19	5,110	962	192.71	5,354	3,683
192.20	5,115	1,014	192.72	5,359	3,737
192.21	5,119	1,065	192.73	5,363	3,790
192.22	5,124	1,116	192.74	5,368	3,844
192.23	5,129	1,167	192.75	5,373	3,898
192.24	5,134	1,219	192.76	5,377	3,951
192.25	5,138	1,270	192.77	5,382	4,005
192.26	5,143	1,321	192.78	5,387	4,059
192.27	5,148	1,373	192.79	5,392	4,113
192.28	5,152	1,424	192.80	5,396	4,167
192.29	5,157	1,476	192.81	5,401	4,221
192.30	5,162	1,527	192.82	5,406	4,275
192.31	5,166	1,579	192.83	5,410	4,329
192.32	5,171	1,631	192.84	5,415	4,383
192.33	5,176	1,682	192.85	5,420	4,437
192.34	5,180	1,734	192.86	5,424	4,491
192.35	5,185	1,786	192.87	5,429	4,546
192.36	5,190	1,838	192.88	5,434	4,600
192.37	5,195	1,890	192.89	5,438	4,654
192.38	5,199	1,942	192.90	5,443	4,709
192.39	5,204	1,994	192.91	5,448	4,763
192.40	5,209	2,046	192.92	5,452	4,818
192.41	5,213	2,098	192.93	5,457	4,872
192.42	5,218	2,150	192.94	5,462	4,927
192.43	5,223	2,202	192.95	5,467	4,982
192.44	5,227	2,255	192.96	5,471	5,036
192.45	5,232	2,307	192.97	5,476	5,091
192.46	5,237	2,359	192.98	5,481	5,146
192.47	5,241	2,412	192.99	5,485	5,201
192.48	5,246	2,464	193.00	5,490	5,256
192.49	5,251	2,517	193.01	5,495	5,310
192.50	5,256	2,569	193.02	5,500	5,365
192.51	5,260	2,622	193.03	5,505	5,420

Stage-Area-Storage for Pond B-56: Basin #56 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
193.04	5,509	5,475	193.56	5,762	8,406
193.05	5,514	5,531	193.57	5,767	8,464
193.06	5,519	5,586	193.58	5,772	8,521
193.07	5,524	5,641	193.59	5,777	8,579
193.08	5,529	5,696	193.60	5,782	8,637
193.09	5,534	5,752	193.61	5,786	8,695
193.10	5,539	5,807	193.62	5,791	8,753
193.11	5,543	5,862	193.63	5,796	8,811
193.12	5,548	5,918	193.64	5,801	8,869
193.13	5,553	5,973	193.65	5,806	8,927
193.14	5,558	6,029	193.66	5,811	8,985
193.15	5,563	6,084	193.67	5,816	9,043
193.16	5,568	6,140	193.68	5,820	9,101
193.17	5,573	6,196	193.69	5,825	9,159
193.18	5,577	6,252	193.70	5,830	9,218
193.19	5,582	6,307	193.71	5,835	9,276
193.20	5,587	6,363	193.72	5,840	9,334
193.21	5,592	6,419	193.73	5,845	9,393
193.22	5,597	6,475	193.74	5,850	9,451
193.23	5,602	6,531	193.75	5,855	9,510
193.24	5,607	6,587	193.76	5,859	9,568
193.25	5,612	6,643	193.77	5,864	9,627
193.26	5,616	6,699	193.78	5,869	9,686
193.27	5,621	6,756	193.79	5,874	9,744
193.28	5,626	6,812	193.80	5,879	9,803
193.29	5,631	6,868	193.81	5,884	9,862
193.30	5,636	6,924	193.82	5,889	9,921
193.31	5,641	6,981	193.83	5,893	9,980
193.32	5,646	7,037	193.84	5,898	10,039
193.33	5,650	7,094	193.85	5,903	10,098
193.34	5,655	7,150	193.86	5,908	10,157
193.35	5,660	7,207	193.87	5,913	10,216
193.36	5,665	7,263	193.88	5,918	10,275
193.37	5,670	7,320	193.89	5,923	10,334
193.38	5,675	7,377	193.90	5,927	10,393
193.39	5,680	7,434	193.91	5,932	10,453
193.40	5,684	7,490	193.92	5,937	10,512
193.41	5,689	7,547	193.93	5,942	10,571
193.42	5,694	7,604	193.94	5,947	10,631
193.43	5,699	7,661	193.95	5,952	10,690
193.44	5,704	7,718	193.96	5,957	10,750
193.45	5,709	7,775	193.97	5,961	10,809
193.46	5,714	7,832	193.98	5,966	10,869
193.47	5,718	7,889	193.99	5,971	10,929
193.48	5,723	7,947	194.00	5,976	10,989
193.49	5,728	8,004	194.01	5,981	11,048
193.50	5,733	8,061	194.02	5,986	11,108
193.51	5,738	8,119	194.03	5,991	11,168
193.52	5,743	8,176	194.04	5,996	11,228
193.53	5,748	8,233	194.05	6,001	11,288
193.54	5,752	8,291	194.06	6,006	11,348
193.55	5,757	8,349	194.07	6,011	11,408

Stage-Area-Storage for Pond B-56: Basin #56 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
194.08	6,016	11,468	194.60	6,277	14,664
194.09	6,021	11,528	194.61	6,282	14,727
194.10	6,026	11,589	194.62	6,287	14,790
194.11	6,031	11,649	194.63	6,292	14,853
194.12	6,036	11,709	194.64	6,297	14,916
194.13	6,041	11,770	194.65	6,302	14,979
194.14	6,046	11,830	194.66	6,307	15,042
194.15	6,051	11,891	194.67	6,312	15,105
194.16	6,056	11,951	194.68	6,317	15,168
194.17	6,061	12,012	194.69	6,322	15,231
194.18	6,066	12,072	194.70	6,327	15,295
194.19	6,071	12,133	194.71	6,332	15,358
194.20	6,076	12,194	194.72	6,337	15,421
194.21	6,081	12,255	194.73	6,342	15,485
194.22	6,086	12,315	194.74	6,347	15,548
194.23	6,091	12,376	194.75	6,353	15,612
194.24	6,096	12,437	194.76	6,358	15,675
194.25	6,102	12,498	194.77	6,363	15,739
194.26	6,107	12,559	194.78	6,368	15,802
194.27	6,112	12,620	194.79	6,373	15,866
194.28	6,117	12,681	194.80	6,378	15,930
194.29	6,122	12,743	194.81	6,383	15,994
194.30	6,127	12,804	194.82	6,388	16,058
194.31	6,132	12,865	194.83	6,393	16,121
194.32	6,137	12,927	194.84	6,398	16,185
194.33	6,142	12,988	194.85	6,403	16,249
194.34	6,147	13,049	194.86	6,408	16,313
194.35	6,152	13,111	194.87	6,413	16,378
194.36	6,157	13,172	194.88	6,418	16,442
194.37	6,162	13,234	194.89	6,423	16,506
194.38	6,167	13,296	194.90	6,428	16,570
194.39	6,172	13,357	194.91	6,433	16,635
194.40	6,177	13,419	194.92	6,438	16,699
194.41	6,182	13,481	194.93	6,443	16,763
194.42	6,187	13,543	194.94	6,448	16,828
194.43	6,192	13,605	194.95	6,453	16,892
194.44	6,197	13,667	194.96	6,458	16,957
194.45	6,202	13,729	194.97	6,463	17,021
194.46	6,207	13,791	194.98	6,468	17,086
194.47	6,212	13,853	194.99	6,473	17,151
194.48	6,217	13,915	195.00	6,478	17,216
194.49	6,222	13,977	195.01	6,483	17,280
194.50	6,227	14,039	195.02	6,488	17,345
194.51	6,232	14,102	195.03	6,494	17,410
194.52	6,237	14,164	195.04	6,499	17,475
194.53	6,242	14,226	195.05	6,504	17,540
194.54	6,247	14,289	195.06	6,509	17,605
194.55	6,252	14,351	195.07	6,514	17,670
194.56	6,257	14,414	195.08	6,519	17,735
194.57	6,262	14,476	195.09	6,525	17,801
194.58	6,267	14,539	195.10	6,530	17,866
194.59	6,272	14,602	195.11	6,535	17,931

Stage-Area-Storage for Pond B-56: Basin #56 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
195.12	6,540	17,997
195.13	6,545	18,062
195.14	6,550	18,127
195.15	6,556	18,193
195.16	6,561	18,259
195.17	6,566	18,324
195.18	6,571	18,390
195.19	6,576	18,456
195.20	6,581	18,521
195.21	6,587	18,587
195.22	6,592	18,653
195.23	6,597	18,719
195.24	6,602	18,785
195.25	6,607	18,851
195.26	6,612	18,917
195.27	6,618	18,983
195.28	6,623	19,050
195.29	6,628	19,116
195.30	6,633	19,182
195.31	6,638	19,249
195.32	6,643	19,315
195.33	6,649	19,381
195.34	6,654	19,448
195.35	6,659	19,514
195.36	6,664	19,581
195.37	6,669	19,648
195.38	6,674	19,714
195.39	6,680	19,781
195.40	6,685	19,848
195.41	6,690	19,915
195.42	6,695	19,982
195.43	6,700	20,049
195.44	6,705	20,116
195.45	6,711	20,183
195.46	6,716	20,250
195.47	6,721	20,317
195.48	6,726	20,384
195.49	6,731	20,452
195.50	6,737	20,519
195.51	6,742	20,587
195.52	6,747	20,654
195.53	6,752	20,721
195.54	6,757	20,789
195.55	6,762	20,857
195.56	6,768	20,924
195.57	6,773	20,992
195.58	6,778	21,060
195.59	6,783	21,128
195.60	6,788	21,195
195.61	6,793	21,263
195.62	6,799	21,331
195.63	6,804	21,399
195.64	6,809	21,467
195.65	6,814	21,535
195.66	6,819	21,604
195.67	6,824	21,672
195.68	6,830	21,740
195.69	6,835	21,808
195.70	6,840	21,877
195.71	6,845	21,945
195.72	6,850	22,014
195.73	6,855	22,082
195.74	6,861	22,151
195.75	6,866	22,219
195.76	6,871	22,288
195.77	6,876	22,357
195.78	6,881	22,426
195.79	6,886	22,494
195.80	6,892	22,563
195.81	6,897	22,632
195.82	6,902	22,701
195.83	6,907	22,770
195.84	6,912	22,839
195.85	6,917	22,909
195.86	6,923	22,978
195.87	6,928	23,047
195.88	6,933	23,116
195.89	6,938	23,186
195.90	6,943	23,255
195.91	6,948	23,325
195.92	6,954	23,394
195.93	6,959	23,464
195.94	6,964	23,533
195.95	6,969	23,603
195.96	6,974	23,673
195.97	6,979	23,742
195.98	6,985	23,812
195.99	6,990	23,882
196.00	**6,995**	**23,952**

Summary for Pond B-57: Basin #57

Inflow Area = 1.434 ac, 47.56% Impervious, Inflow Depth = 9.18" for Future 100 yr event
Inflow = 14.53 cfs @ 12.10 hrs, Volume= 1.097 af
Outflow = 11.68 cfs @ 12.16 hrs, Volume= 1.016 af, Atten= 20%, Lag= 3.6 min
Primary = 11.68 cfs @ 12.16 hrs, Volume= 1.016 af
Routed to Pond B-58 : Basin #58

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 204.25' @ 12.16 hrs Surf.Area= 5,318 sf Storage= 10,269 cf

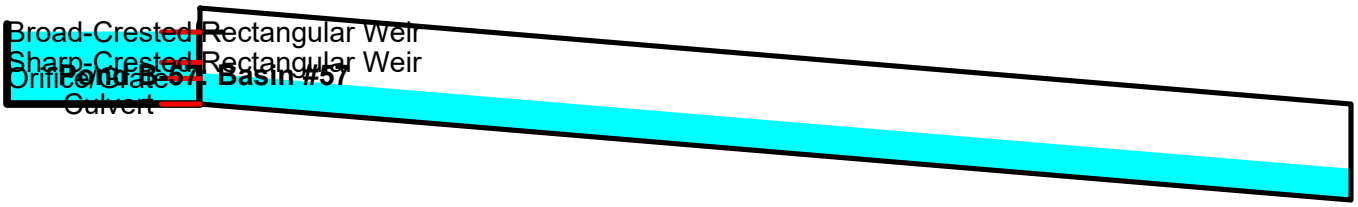
Plug-Flow detention time= 136.5 min calculated for 1.014 af (92% of inflow)
Center-of-Mass det. time= 96.5 min (863.8 - 767.3)

Volume	Invert	Avail.Storage	Storage Description
#1	202.00'	11,650 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

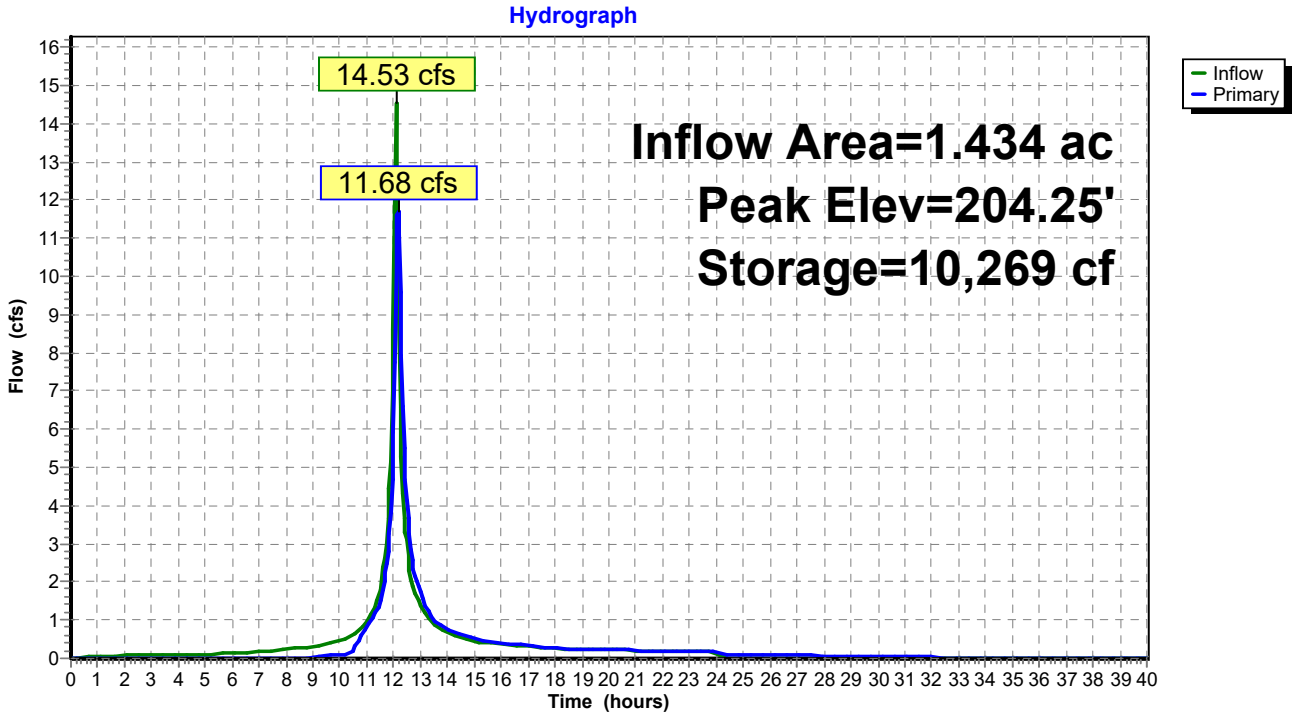
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
202.00	3,969	0	0
203.00	4,488	4,229	4,229
204.00	5,034	4,761	8,990
204.50	5,608	2,661	11,650

Device	Routing	Invert	Outlet Devices
#1	Primary	202.00'	**36.0" Round Culvert** L= 252.0' Ke= 0.500 Inlet / Outlet Invert= 202.00' / 199.00' S= 0.0119 '/' Cc= 0.900 n= 0.013, Flow Area= 7.07 sf
#2	Device 1	202.80'	**2.5" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	203.30'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	204.25'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=11.50 cfs @ 12.16 hrs HW=204.24' (Free Discharge)
- **1=Culvert** (Passes 11.50 cfs of 28.79 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 0.19 cfs @ 5.56 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 11.31 cfs @ 3.17 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-57: Basin #57



Hydrograph for Pond B-57: Basin #57

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	202.00	0.00
0.10	0.00	0	202.00	0.00
0.20	0.00	0	202.00	0.00
0.30	0.00	0	202.00	0.00
0.40	0.00	0	202.00	0.00
0.50	0.01	2	202.00	0.00
0.60	0.02	7	202.00	0.00
0.70	0.02	15	202.00	0.00
0.80	0.03	25	202.01	0.00
0.90	0.03	36	202.01	0.00
1.00	0.04	49	202.01	0.00
1.10	0.04	64	202.02	0.00
1.20	0.05	80	202.02	0.00
1.30	0.05	98	202.02	0.00
1.40	0.05	117	202.03	0.00
1.50	0.06	137	202.03	0.00
1.60	0.06	158	202.04	0.00
1.70	0.06	179	202.05	0.00
1.80	0.06	202	202.05	0.00
1.90	0.07	226	202.06	0.00
2.00	0.07	250	202.06	0.00
2.10	0.07	275	202.07	0.00
2.20	0.07	301	202.08	0.00
2.30	0.08	328	202.08	0.00
2.40	0.08	355	202.09	0.00
2.50	0.08	383	202.10	0.00
2.60	0.08	411	202.10	0.00
2.70	0.08	440	202.11	0.00
2.80	0.08	470	202.12	0.00
2.90	0.08	500	202.12	0.00
3.00	0.09	531	202.13	0.00
3.10	0.09	562	202.14	0.00
3.20	0.09	593	202.15	0.00
3.30	0.09	625	202.16	0.00
3.40	0.09	658	202.16	0.00
3.50	0.09	691	202.17	0.00
3.60	0.09	724	202.18	0.00
3.70	0.09	758	202.19	0.00
3.80	0.10	792	202.20	0.00
3.90	0.10	827	202.21	0.00
4.00	0.10	862	202.21	0.00
4.10	0.10	898	202.22	0.00
4.20	0.10	933	202.23	0.00
4.30	0.10	970	202.24	0.00
4.40	0.10	1,006	202.25	0.00
4.50	0.10	1,043	202.26	0.00
4.60	0.10	1,081	202.27	0.00
4.70	0.11	1,118	202.28	0.00
4.80	0.11	1,156	202.29	0.00
4.90	0.11	1,195	202.30	0.00
5.00	0.11	1,234	202.30	0.00
5.10	0.11	1,273	202.31	0.00

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.11	1,312	202.32	0.00
5.30	0.11	1,353	202.33	0.00
5.40	0.12	1,394	202.34	0.00
5.50	0.12	1,436	202.35	0.00
5.60	0.12	1,479	202.36	0.00
5.70	0.12	1,522	202.37	0.00
5.80	0.12	1,566	202.38	0.00
5.90	0.13	1,611	202.40	0.00
6.00	0.13	1,657	202.41	0.00
6.10	0.13	1,704	202.42	0.00
6.20	0.14	1,753	202.43	0.00
6.30	0.14	1,803	202.44	0.00
6.40	0.15	1,855	202.45	0.00
6.50	0.15	1,909	202.47	0.00
6.60	0.16	1,965	202.48	0.00
6.70	0.16	2,022	202.49	0.00
6.80	0.17	2,081	202.51	0.00
6.90	0.17	2,142	202.52	0.00
7.00	0.18	2,204	202.54	0.00
7.10	0.18	2,269	202.55	0.00
7.20	0.19	2,336	202.57	0.00
7.30	0.19	2,404	202.58	0.00
7.40	0.20	2,475	202.60	0.00
7.50	0.20	2,547	202.62	0.00
7.60	0.21	2,621	202.63	0.00
7.70	0.22	2,698	202.65	0.00
7.80	0.22	2,776	202.67	0.00
7.90	0.23	2,857	202.69	0.00
8.00	0.23	2,939	202.71	0.00
8.10	0.24	3,024	202.73	0.00
8.20	0.24	3,111	202.75	0.00
8.30	0.25	3,200	202.77	0.00
8.40	0.26	3,291	202.79	0.00
8.50	0.26	3,384	202.81	0.00
8.60	0.27	3,479	202.83	0.00
8.70	0.27	3,576	202.85	0.01
8.80	0.28	3,673	202.88	0.01
8.90	0.29	3,770	202.90	0.02
9.00	0.29	3,867	202.92	0.02
9.10	0.31	3,966	202.94	0.03
9.20	0.33	4,068	202.96	0.04
9.30	0.35	4,173	202.99	0.05
9.40	0.36	4,283	203.01	0.05
9.50	0.38	4,398	203.04	0.06
9.60	0.40	4,517	203.06	0.07
9.70	0.42	4,641	203.09	0.07
9.80	0.44	4,771	203.12	0.08
9.90	0.46	4,906	203.15	0.08
10.00	0.48	5,047	203.18	0.09
10.10	0.51	5,193	203.21	0.09
10.20	0.53	5,346	203.25	0.10
10.30	0.55	5,504	203.28	0.10

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.57	5,666	203.31	0.13
10.50	0.59	5,810	203.35	0.24
10.60	0.65	5,928	203.37	0.36
10.70	0.73	6,027	203.39	0.48
10.80	0.80	6,111	203.41	0.59
10.90	0.88	6,184	203.42	0.69
11.00	0.96	6,248	203.44	0.79
11.10	1.09	6,314	203.45	0.90
11.20	1.23	6,389	203.47	1.02
11.30	1.38	6,468	203.48	1.16
11.40	1.53	6,551	203.50	1.30
11.50	1.67	6,631	203.52	1.46
11.60	2.40	6,793	203.55	1.78
11.70	2.77	7,009	203.60	2.23
11.80	3.66	7,267	203.65	2.82
11.90	5.13	7,674	203.73	3.82
12.00	8.63	8,445	203.89	5.93
12.10	**14.53**	**9,816**	**204.16**	**10.19**
12.20	8.87	**10,096**	**204.21**	**11.11**
12.30	5.27	9,112	204.02	7.95
12.40	3.67	8,295	203.86	5.50
12.50	3.13	7,792	203.76	4.13
12.60	2.30	7,443	203.69	3.24
12.70	1.93	7,156	203.63	2.56
12.80	1.74	6,971	203.59	2.15
12.90	1.58	6,843	203.56	1.88
13.00	1.42	6,742	203.54	1.67
13.10	1.26	6,652	203.52	1.50
13.20	1.15	6,572	203.51	1.34
13.30	1.06	6,507	203.49	1.22
13.40	0.97	6,449	203.48	1.12
13.50	0.88	6,395	203.47	1.03
13.60	0.80	6,343	203.46	0.94
13.70	0.76	6,297	203.45	0.87
13.80	0.73	6,262	203.44	0.81
13.90	0.71	6,237	203.44	0.77
14.00	0.69	6,215	203.43	0.74
14.10	0.66	6,196	203.43	0.71
14.20	0.64	6,179	203.42	0.69
14.30	0.62	6,162	203.42	0.66
14.40	0.59	6,146	203.42	0.64
14.50	0.57	6,131	203.41	0.62
14.60	0.55	6,115	203.41	0.59
14.70	0.53	6,099	203.41	0.57
14.80	0.50	6,083	203.40	0.55
14.90	0.48	6,066	203.40	0.53
15.00	0.46	6,049	203.40	0.51
15.10	0.44	6,032	203.39	0.48
15.20	0.42	6,016	203.39	0.46
15.30	0.42	6,004	203.39	0.45
15.40	0.41	5,994	203.38	0.44
15.50	0.41	5,987	203.38	0.43

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.40	5,980	203.38	0.42
15.70	0.39	5,975	203.38	0.41
15.80	0.39	5,969	203.38	0.40
15.90	0.38	5,963	203.38	0.40
16.00	0.38	5,958	203.38	0.39
16.10	0.37	5,952	203.38	0.39
16.20	0.36	5,947	203.37	0.38
16.30	0.36	5,942	203.37	0.37
16.40	0.35	5,936	203.37	0.37
16.50	0.35	5,930	203.37	0.36
16.60	0.34	5,925	203.37	0.36
16.70	0.33	5,919	203.37	0.35
16.80	0.33	5,914	203.37	0.34
16.90	0.32	5,908	203.37	0.34
17.00	0.32	5,903	203.36	0.33
17.10	0.31	5,897	203.36	0.33
17.20	0.30	5,892	203.36	0.32
17.30	0.30	5,886	203.36	0.31
17.40	0.29	5,880	203.36	0.31
17.50	0.29	5,875	203.36	0.30
17.60	0.28	5,869	203.36	0.29
17.70	0.27	5,864	203.36	0.29
17.80	0.27	5,858	203.36	0.28
17.90	0.26	5,852	203.35	0.28
18.00	0.26	5,847	203.35	0.27
18.10	0.25	5,841	203.35	0.26
18.20	0.25	5,836	203.35	0.26
18.30	0.24	5,832	203.35	0.25
18.40	0.24	5,829	203.35	0.25
18.50	0.24	5,825	203.35	0.25
18.60	0.24	5,823	203.35	0.25
18.70	0.24	5,820	203.35	0.25
18.80	0.24	5,818	203.35	0.24
18.90	0.24	5,816	203.35	0.24
19.00	0.23	5,813	203.35	0.24
19.10	0.23	5,811	203.35	0.24
19.20	0.23	5,809	203.34	0.24
19.30	0.23	5,807	203.34	0.23
19.40	0.23	5,805	203.34	0.23
19.50	0.23	5,803	203.34	0.23
19.60	0.22	5,801	203.34	0.23
19.70	0.22	5,799	203.34	0.23
19.80	0.22	5,798	203.34	0.23
19.90	0.22	5,796	203.34	0.23
20.00	0.22	5,794	203.34	0.22
20.10	0.22	5,792	203.34	0.22
20.20	0.22	5,790	203.34	0.22
20.30	0.21	5,788	203.34	0.22
20.40	0.21	5,786	203.34	0.22
20.50	0.21	5,784	203.34	0.22
20.60	0.21	5,783	203.34	0.22
20.70	0.21	5,781	203.34	0.21

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.21	5,779	203.34	0.21
20.90	0.21	5,777	203.34	0.21
21.00	0.20	5,775	203.34	0.21
21.10	0.20	5,773	203.34	0.21
21.20	0.20	5,771	203.34	0.21
21.30	0.20	5,769	203.34	0.20
21.40	0.20	5,768	203.34	0.20
21.50	0.20	5,766	203.34	0.20
21.60	0.19	5,764	203.34	0.20
21.70	0.19	5,762	203.33	0.20
21.80	0.19	5,760	203.33	0.20
21.90	0.19	5,758	203.33	0.20
22.00	0.19	5,756	203.33	0.19
22.10	0.19	5,754	203.33	0.19
22.20	0.19	5,752	203.33	0.19
22.30	0.18	5,751	203.33	0.19
22.40	0.18	5,749	203.33	0.19
22.50	0.18	5,747	203.33	0.19
22.60	0.18	5,745	203.33	0.18
22.70	0.18	5,743	203.33	0.18
22.80	0.18	5,741	203.33	0.18
22.90	0.17	5,739	203.33	0.18
23.00	0.17	5,737	203.33	0.18
23.10	0.17	5,736	203.33	0.18
23.20	0.17	5,734	203.33	0.18
23.30	0.17	5,732	203.33	0.17
23.40	0.17	5,730	203.33	0.17
23.50	0.17	5,728	203.33	0.17
23.60	0.16	5,726	203.33	0.17
23.70	0.16	5,724	203.33	0.17
23.80	0.16	5,722	203.33	0.17
23.90	0.16	5,720	203.33	0.17
24.00	0.18	5,723	203.33	0.17
24.10	0.06	5,708	203.32	0.16
24.20	0.01	5,667	203.31	0.13
24.30	0.00	5,625	203.31	0.11
24.40	0.00	5,586	203.30	0.10
24.50	0.00	5,549	203.29	0.10
24.60	0.00	5,513	203.28	0.10
24.70	0.00	5,477	203.27	0.10
24.80	0.00	5,441	203.27	0.10
24.90	0.00	5,406	203.26	0.10
25.00	0.00	5,371	203.25	0.10
25.10	0.00	5,336	203.24	0.10
25.20	0.00	5,302	203.24	0.09
25.30	0.00	5,268	203.23	0.09
25.40	0.00	5,235	203.22	0.09
25.50	0.00	5,202	203.21	0.09
25.60	0.00	5,169	203.21	0.09
25.70	0.00	5,137	203.20	0.09
25.80	0.00	5,105	203.19	0.09
25.90	0.00	5,073	203.19	0.09

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.00	5,042	203.18	0.09
26.10	0.00	5,011	203.17	0.09
26.20	0.00	4,981	203.17	0.08
26.30	0.00	4,951	203.16	0.08
26.40	0.00	4,921	203.15	0.08
26.50	0.00	4,892	203.15	0.08
26.60	0.00	4,863	203.14	0.08
26.70	0.00	4,834	203.13	0.08
26.80	0.00	4,806	203.13	0.08
26.90	0.00	4,779	203.12	0.08
27.00	0.00	4,751	203.12	0.08
27.10	0.00	4,724	203.11	0.07
27.20	0.00	4,698	203.10	0.07
27.30	0.00	4,671	203.10	0.07
27.40	0.00	4,646	203.09	0.07
27.50	0.00	4,620	203.09	0.07
27.60	0.00	4,595	203.08	0.07
27.70	0.00	4,570	203.08	0.07
27.80	0.00	4,546	203.07	0.07
27.90	0.00	4,522	203.07	0.07
28.00	0.00	4,499	203.06	0.06
28.10	0.00	4,476	203.05	0.06
28.20	0.00	4,453	203.05	0.06
28.30	0.00	4,431	203.04	0.06
28.40	0.00	4,409	203.04	0.06
28.50	0.00	4,387	203.04	0.06
28.60	0.00	4,366	203.03	0.06
28.70	0.00	4,345	203.03	0.06
28.80	0.00	4,325	203.02	0.06
28.90	0.00	4,305	203.02	0.06
29.00	0.00	4,285	203.01	0.05
29.10	0.00	4,266	203.01	0.05
29.20	0.00	4,247	203.00	0.05
29.30	0.00	4,228	203.00	0.05
29.40	0.00	4,210	203.00	0.05
29.50	0.00	4,192	202.99	0.05
29.60	0.00	4,175	202.99	0.05
29.70	0.00	4,158	202.98	0.05
29.80	0.00	4,141	202.98	0.05
29.90	0.00	4,125	202.98	0.04
30.00	0.00	4,110	202.97	0.04
30.10	0.00	4,094	202.97	0.04
30.20	0.00	4,080	202.97	0.04
30.30	0.00	4,065	202.96	0.04
30.40	0.00	4,051	202.96	0.04
30.50	0.00	4,038	202.96	0.04
30.60	0.00	4,024	202.95	0.04
30.70	0.00	4,011	202.95	0.04
30.80	0.00	3,999	202.95	0.03
30.90	0.00	3,987	202.95	0.03
31.00	0.00	3,975	202.94	0.03
31.10	0.00	3,964	202.94	0.03

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.00	3,953	202.94	0.03
31.30	0.00	3,942	202.94	0.03
31.40	0.00	3,931	202.93	0.03
31.50	0.00	3,921	202.93	0.03
31.60	0.00	3,911	202.93	0.03
31.70	0.00	3,901	202.93	0.03
31.80	0.00	3,892	202.92	0.03
31.90	0.00	3,883	202.92	0.03
32.00	0.00	3,874	202.92	0.02
32.10	0.00	3,865	202.92	0.02
32.20	0.00	3,857	202.92	0.02
32.30	0.00	3,849	202.91	0.02
32.40	0.00	3,841	202.91	0.02
32.50	0.00	3,833	202.91	0.02
32.60	0.00	3,826	202.91	0.02
32.70	0.00	3,818	202.91	0.02
32.80	0.00	3,811	202.91	0.02
32.90	0.00	3,804	202.90	0.02
33.00	0.00	3,797	202.90	0.02
33.10	0.00	3,791	202.90	0.02
33.20	0.00	3,784	202.90	0.02
33.30	0.00	3,778	202.90	0.02
33.40	0.00	3,772	202.90	0.02
33.50	0.00	3,766	202.90	0.02
33.60	0.00	3,760	202.90	0.02
33.70	0.00	3,755	202.89	0.02
33.80	0.00	3,749	202.89	0.02
33.90	0.00	3,743	202.89	0.01
34.00	0.00	3,738	202.89	0.01
34.10	0.00	3,733	202.89	0.01
34.20	0.00	3,728	202.89	0.01
34.30	0.00	3,723	202.89	0.01
34.40	0.00	3,718	202.89	0.01
34.50	0.00	3,713	202.88	0.01
34.60	0.00	3,709	202.88	0.01
34.70	0.00	3,704	202.88	0.01
34.80	0.00	3,700	202.88	0.01
34.90	0.00	3,695	202.88	0.01
35.00	0.00	3,691	202.88	0.01
35.10	0.00	3,687	202.88	0.01
35.20	0.00	3,683	202.88	0.01
35.30	0.00	3,679	202.88	0.01
35.40	0.00	3,675	202.88	0.01
35.50	0.00	3,671	202.87	0.01
35.60	0.00	3,667	202.87	0.01
35.70	0.00	3,664	202.87	0.01
35.80	0.00	3,660	202.87	0.01
35.90	0.00	3,657	202.87	0.01
36.00	0.00	3,653	202.87	0.01
36.10	0.00	3,650	202.87	0.01
36.20	0.00	3,647	202.87	0.01
36.30	0.00	3,644	202.87	0.01

Hydrograph for Pond B-57: Basin #57 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.00	3,640	202.87	0.01
36.50	0.00	3,637	202.87	0.01
36.60	0.00	3,634	202.87	0.01
36.70	0.00	3,631	202.87	0.01
36.80	0.00	3,628	202.87	0.01
36.90	0.00	3,626	202.86	0.01
37.00	0.00	3,623	202.86	0.01
37.10	0.00	3,620	202.86	0.01
37.20	0.00	3,617	202.86	0.01
37.30	0.00	3,614	202.86	0.01
37.40	0.00	3,612	202.86	0.01
37.50	0.00	3,609	202.86	0.01
37.60	0.00	3,607	202.86	0.01
37.70	0.00	3,604	202.86	0.01
37.80	0.00	3,601	202.86	0.01
37.90	0.00	3,599	202.86	0.01
38.00	0.00	3,597	202.86	0.01
38.10	0.00	3,594	202.86	0.01
38.20	0.00	3,592	202.86	0.01
38.30	0.00	3,590	202.86	0.01
38.40	0.00	3,587	202.86	0.01
38.50	0.00	3,585	202.86	0.01
38.60	0.00	3,583	202.85	0.01
38.70	0.00	3,581	202.85	0.01
38.80	0.00	3,578	202.85	0.01
38.90	0.00	3,576	202.85	0.01
39.00	0.00	3,574	202.85	0.01
39.10	0.00	3,572	202.85	0.01
39.20	0.00	3,570	202.85	0.01
39.30	0.00	3,568	202.85	0.01
39.40	0.00	3,566	202.85	0.01
39.50	0.00	3,564	202.85	0.01
39.60	0.00	3,563	202.85	0.01
39.70	0.00	3,561	202.85	0.01
39.80	0.00	3,559	202.85	0.00
39.90	0.00	3,557	202.85	0.00
40.00	0.00	3,555	202.85	0.00

Stage-Discharge for Pond B-57: Basin #57

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
202.00	0.00	202.52	0.00	203.04	0.06	203.56	1.84
202.01	0.00	202.53	0.00	203.05	0.06	203.57	1.94
202.02	0.00	202.54	0.00	203.06	0.06	203.58	2.05
202.03	0.00	202.55	0.00	203.07	0.07	203.59	2.15
202.04	0.00	202.56	0.00	203.08	0.07	203.60	2.25
202.05	0.00	202.57	0.00	203.09	0.07	203.61	2.36
202.06	0.00	202.58	0.00	203.10	0.07	203.62	2.47
202.07	0.00	202.59	0.00	203.11	0.07	203.63	2.58
202.08	0.00	202.60	0.00	203.12	0.08	203.64	2.69
202.09	0.00	202.61	0.00	203.13	0.08	203.65	2.80
202.10	0.00	202.62	0.00	203.14	0.08	203.66	2.92
202.11	0.00	202.63	0.00	203.15	0.08	203.67	3.03
202.12	0.00	202.64	0.00	203.16	0.08	203.68	3.15
202.13	0.00	202.65	0.00	203.17	0.08	203.69	3.27
202.14	0.00	202.66	0.00	203.18	0.09	203.70	3.39
202.15	0.00	202.67	0.00	203.19	0.09	203.71	3.51
202.16	0.00	202.68	0.00	203.20	0.09	203.72	3.63
202.17	0.00	202.69	0.00	203.21	0.09	203.73	3.76
202.18	0.00	202.70	0.00	203.22	0.09	203.74	3.88
202.19	0.00	202.71	0.00	203.23	0.09	203.75	4.01
202.20	0.00	202.72	0.00	203.24	0.10	203.76	4.14
202.21	0.00	202.73	0.00	203.25	0.10	203.77	4.27
202.22	0.00	202.74	0.00	203.26	0.10	203.78	4.40
202.23	0.00	202.75	0.00	203.27	0.10	203.79	4.53
202.24	0.00	202.76	0.00	203.28	0.10	203.80	4.66
202.25	0.00	202.77	0.00	203.29	0.10	203.81	4.80
202.26	0.00	202.78	0.00	203.30	0.10	203.82	4.93
202.27	0.00	202.79	0.00	203.31	0.12	203.83	5.07
202.28	0.00	202.80	0.00	203.32	0.14	203.84	5.21
202.29	0.00	202.81	0.00	203.33	0.17	203.85	5.35
202.30	0.00	202.82	0.00	203.34	0.21	203.86	5.49
202.31	0.00	202.83	0.00	203.35	0.26	203.87	5.63
202.32	0.00	202.84	0.00	203.36	0.30	203.88	5.77
202.33	0.00	202.85	0.00	203.37	0.35	203.89	5.92
202.34	0.00	202.86	0.01	203.38	0.41	203.90	6.06
202.35	0.00	202.87	0.01	203.39	0.47	203.91	6.21
202.36	0.00	202.88	0.01	203.40	0.53	203.92	6.35
202.37	0.00	202.89	0.01	203.41	0.59	203.93	6.50
202.38	0.00	202.90	0.02	203.42	0.66	203.94	6.65
202.39	0.00	202.91	0.02	203.43	0.73	203.95	6.80
202.40	0.00	202.92	0.02	203.44	0.80	203.96	6.95
202.41	0.00	202.93	0.03	203.45	0.88	203.97	7.10
202.42	0.00	202.94	0.03	203.46	0.95	203.98	7.26
202.43	0.00	202.95	0.03	203.47	1.03	203.99	7.41
202.44	0.00	202.96	0.04	203.48	1.11	204.00	7.56
202.45	0.00	202.97	0.04	203.49	1.20	204.01	7.72
202.46	0.00	202.98	0.05	203.50	1.28	204.02	7.88
202.47	0.00	202.99	0.05	203.51	1.37	204.03	8.03
202.48	0.00	203.00	0.05	203.52	1.46	204.04	8.19
202.49	0.00	203.01	0.05	203.53	1.56	204.05	8.35
202.50	0.00	203.02	0.06	203.54	1.65	204.06	8.51
202.51	0.00	203.03	0.06	203.55	1.75	204.07	8.67

Stage-Discharge for Pond B-57: Basin #57 (continued)

Elevation (feet)	Primary (cfs)
204.08	8.84
204.09	9.00
204.10	9.16
204.11	9.33
204.12	9.50
204.13	9.66
204.14	9.83
204.15	10.00
204.16	10.17
204.17	10.34
204.18	10.51
204.19	10.68
204.20	10.85
204.21	11.03
204.22	11.20
204.23	11.37
204.24	11.55
204.25	11.73
204.26	12.02
204.27	12.41
204.28	12.87
204.29	13.38
204.30	13.93
204.31	14.53
204.32	15.16
204.33	15.82
204.34	16.52
204.35	17.25
204.36	18.01
204.37	18.79
204.38	19.61
204.39	20.44
204.40	21.31
204.41	22.19
204.42	23.11
204.43	24.04
204.44	24.99
204.45	25.97
204.46	27.01
204.47	28.07
204.48	29.16
204.49	30.28
204.50	31.42
204.51	32.59
204.52	33.78
204.53	35.00
204.54	36.25
204.55	37.52
204.56	38.81
204.57	40.13
204.58	41.47
204.59	42.84
204.60	44.24
204.61	45.66
204.62	47.10
204.63	48.57
204.64	50.06
204.65	51.58
204.66	53.15
204.67	54.74
204.68	56.37
204.69	58.01
204.70	59.69
204.71	61.39
204.72	63.12
204.73	64.88
204.74	66.66
204.75	68.47
204.76	70.31
204.77	72.17
204.78	74.06
204.79	75.98
204.80	77.93
204.81	79.90
204.82	81.90
204.83	83.93
204.84	85.98
204.85	88.06
204.86	89.90
204.87	91.76
204.88	93.63
204.89	95.51
204.90	97.40
204.91	99.31
204.92	101.24
204.93	103.17
204.94	105.12
204.95	107.09
204.96	109.07
204.97	111.06
204.98	113.06
204.99	115.07
205.00	**117.10**

Stage-Area-Storage for Pond B-57: Basin #57

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
202.00	3,969	0	202.52	4,239	2,134
202.01	3,974	40	202.53	4,244	2,176
202.02	3,979	79	202.54	4,249	2,219
202.03	3,985	119	202.55	4,254	2,261
202.04	3,990	159	202.56	4,260	2,304
202.05	3,995	199	202.57	4,265	2,347
202.06	4,000	239	202.58	4,270	2,389
202.07	4,005	279	202.59	4,275	2,432
202.08	4,011	319	202.60	4,280	2,475
202.09	4,016	359	202.61	4,286	2,518
202.10	4,021	399	202.62	4,291	2,561
202.11	4,026	440	202.63	4,296	2,603
202.12	4,031	480	202.64	4,301	2,646
202.13	4,036	520	202.65	4,306	2,689
202.14	4,042	561	202.66	4,312	2,733
202.15	4,047	601	202.67	4,317	2,776
202.16	4,052	642	202.68	4,322	2,819
202.17	4,057	682	202.69	4,327	2,862
202.18	4,062	723	202.70	4,332	2,905
202.19	4,068	763	202.71	4,337	2,949
202.20	4,073	804	202.72	4,343	2,992
202.21	4,078	845	202.73	4,348	3,036
202.22	4,083	886	202.74	4,353	3,079
202.23	4,088	927	202.75	4,358	3,123
202.24	4,094	968	202.76	4,363	3,166
202.25	4,099	1,008	202.77	4,369	3,210
202.26	4,104	1,049	202.78	4,374	3,254
202.27	4,109	1,091	202.79	4,379	3,297
202.28	4,114	1,132	202.80	4,384	3,341
202.29	4,120	1,173	202.81	4,389	3,385
202.30	4,125	1,214	202.82	4,395	3,429
202.31	4,130	1,255	202.83	4,400	3,473
202.32	4,135	1,297	202.84	4,405	3,517
202.33	4,140	1,338	202.85	4,410	3,561
202.34	4,145	1,379	202.86	4,415	3,605
202.35	4,151	1,421	202.87	4,421	3,649
202.36	4,156	1,462	202.88	4,426	3,694
202.37	4,161	1,504	202.89	4,431	3,738
202.38	4,166	1,546	202.90	4,436	3,782
202.39	4,171	1,587	202.91	4,441	3,827
202.40	4,177	1,629	202.92	4,446	3,871
202.41	4,182	1,671	202.93	4,452	3,916
202.42	4,187	1,713	202.94	4,457	3,960
202.43	4,192	1,755	202.95	4,462	4,005
202.44	4,197	1,797	202.96	4,467	4,049
202.45	4,203	1,839	202.97	4,472	4,094
202.46	4,208	1,881	202.98	4,478	4,139
202.47	4,213	1,923	202.99	4,483	4,184
202.48	4,218	1,965	203.00	4,488	4,229
202.49	4,223	2,007	203.01	4,493	4,273
202.50	4,229	2,049	203.02	4,499	4,318
202.51	4,234	2,092	203.03	4,504	4,363

Stage-Area-Storage for Pond B-57: Basin #57 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
203.04	4,510	4,408
203.05	4,515	4,454
203.06	4,521	4,499
203.07	4,526	4,544
203.08	4,532	4,589
203.09	4,537	4,635
203.10	4,543	4,680
203.11	4,548	4,725
203.12	4,554	4,771
203.13	4,559	4,817
203.14	4,564	4,862
203.15	4,570	4,908
203.16	4,575	4,954
203.17	4,581	4,999
203.18	4,586	5,045
203.19	4,592	5,091
203.20	4,597	5,137
203.21	4,603	5,183
203.22	4,608	5,229
203.23	4,614	5,275
203.24	4,619	5,321
203.25	4,625	5,368
203.26	4,630	5,414
203.27	4,635	5,460
203.28	4,641	5,507
203.29	4,646	5,553
203.30	4,652	5,599
203.31	4,657	5,646
203.32	4,663	5,693
203.33	4,668	5,739
203.34	4,674	5,786
203.35	4,679	5,833
203.36	4,685	5,880
203.37	4,690	5,926
203.38	4,695	5,973
203.39	4,701	6,020
203.40	4,706	6,067
203.41	4,712	6,114
203.42	4,717	6,162
203.43	4,723	6,209
203.44	4,728	6,256
203.45	4,734	6,303
203.46	4,739	6,351
203.47	4,745	6,398
203.48	4,750	6,446
203.49	4,756	6,493
203.50	4,761	6,541
203.51	4,766	6,588
203.52	4,772	6,636
203.53	4,777	6,684
203.54	4,783	6,732
203.55	4,788	6,779
203.56	4,794	6,827
203.57	4,799	6,875
203.58	4,805	6,923
203.59	4,810	6,971
203.60	4,816	7,020
203.61	4,821	7,068
203.62	4,827	7,116
203.63	4,832	7,164
203.64	4,837	7,213
203.65	4,843	7,261
203.66	4,848	7,309
203.67	4,854	7,358
203.68	4,859	7,407
203.69	4,865	7,455
203.70	4,870	7,504
203.71	4,876	7,553
203.72	4,881	7,601
203.73	4,887	7,650
203.74	4,892	7,699
203.75	4,898	7,748
203.76	4,903	7,797
203.77	4,908	7,846
203.78	4,914	7,895
203.79	4,919	7,944
203.80	4,925	7,994
203.81	4,930	8,043
203.82	4,936	8,092
203.83	4,941	8,142
203.84	4,947	8,191
203.85	4,952	8,241
203.86	4,958	8,290
203.87	4,963	8,340
203.88	4,968	8,389
203.89	4,974	8,439
203.90	4,979	8,489
203.91	4,985	8,539
203.92	4,990	8,589
203.93	4,996	8,638
203.94	5,001	8,688
203.95	5,007	8,738
203.96	5,012	8,789
203.97	5,018	8,839
203.98	5,023	8,889
203.99	5,029	8,939
204.00	5,034	8,990
204.01	5,045	9,040
204.02	5,057	9,090
204.03	5,068	9,141
204.04	5,080	9,192
204.05	5,091	9,243
204.06	5,103	9,294
204.07	5,114	9,345

Stage-Area-Storage for Pond B-57: Basin #57 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
204.08	5,126	9,396
204.09	5,137	9,447
204.10	5,149	9,499
204.11	5,160	9,550
204.12	5,172	9,602
204.13	5,183	9,654
204.14	5,195	9,706
204.15	5,206	9,758
204.16	5,218	9,810
204.17	5,229	9,862
204.18	5,241	9,914
204.19	5,252	9,967
204.20	5,264	10,019
204.21	5,275	10,072
204.22	5,287	10,125
204.23	5,298	10,178
204.24	5,310	10,231
204.25	5,321	10,284
204.26	5,332	10,337
204.27	5,344	10,391
204.28	5,355	10,444
204.29	5,367	10,498
204.30	5,378	10,551
204.31	5,390	10,605
204.32	5,401	10,659
204.33	5,413	10,713
204.34	5,424	10,767
204.35	5,436	10,822
204.36	5,447	10,876
204.37	5,459	10,931
204.38	5,470	10,985
204.39	5,482	11,040
204.40	5,493	11,095
204.41	5,505	11,150
204.42	5,516	11,205
204.43	5,528	11,260
204.44	5,539	11,316
204.45	5,551	11,371
204.46	5,562	11,427
204.47	5,574	11,482
204.48	5,585	11,538
204.49	5,597	11,594
204.50	**5,608**	**11,650**
204.51	5,608	11,650
204.52	5,608	11,650
204.53	5,608	11,650
204.54	5,608	11,650
204.55	5,608	11,650
204.56	5,608	11,650
204.57	5,608	11,650
204.58	5,608	11,650
204.59	5,608	11,650
204.60	5,608	11,650
204.61	5,608	11,650
204.62	5,608	11,650
204.63	5,608	11,650
204.64	5,608	11,650
204.65	5,608	11,650
204.66	5,608	11,650
204.67	5,608	11,650
204.68	5,608	11,650
204.69	5,608	11,650
204.70	5,608	11,650
204.71	5,608	11,650
204.72	5,608	11,650
204.73	5,608	11,650
204.74	5,608	11,650
204.75	5,608	11,650
204.76	5,608	11,650
204.77	5,608	11,650
204.78	5,608	11,650
204.79	5,608	11,650
204.80	5,608	11,650
204.81	5,608	11,650
204.82	5,608	11,650
204.83	5,608	11,650
204.84	5,608	11,650
204.85	5,608	11,650
204.86	5,608	11,650
204.87	5,608	11,650
204.88	5,608	11,650
204.89	5,608	11,650
204.90	5,608	11,650
204.91	5,608	11,650
204.92	5,608	11,650
204.93	5,608	11,650
204.94	5,608	11,650
204.95	5,608	11,650
204.96	5,608	11,650
204.97	5,608	11,650
204.98	5,608	11,650
204.99	5,608	11,650
205.00	5,608	11,650

Summary for Pond B-58: Basin #58

Inflow Area = 3.083 ac, 36.46% Impervious, Inflow Depth > 8.52" for Future 100 yr event
Inflow = 22.28 cfs @ 12.18 hrs, Volume= 2.189 af
Outflow = 14.55 cfs @ 12.34 hrs, Volume= 2.117 af, Atten= 35%, Lag= 9.5 min
Primary = 14.55 cfs @ 12.34 hrs, Volume= 2.117 af
Routed to Link PDA-6ON : Proposed Onsite Drainage Area #6

Routing by Stor-Ind method, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs
Peak Elev= 201.50' @ 12.34 hrs Surf.Area= 9,090 sf Storage= 22,750 cf

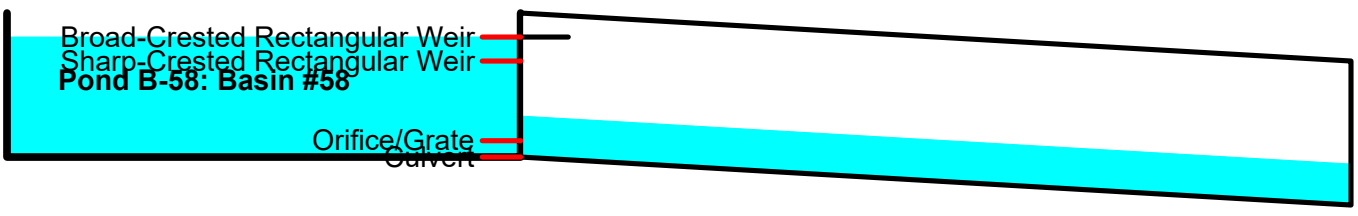
Plug-Flow detention time= 71.0 min calculated for 2.117 af (97% of inflow)
Center-of-Mass det. time= 44.4 min (866.6 - 822.2)

Volume	Invert	Avail.Storage	Storage Description
#1	199.00'	27,270 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

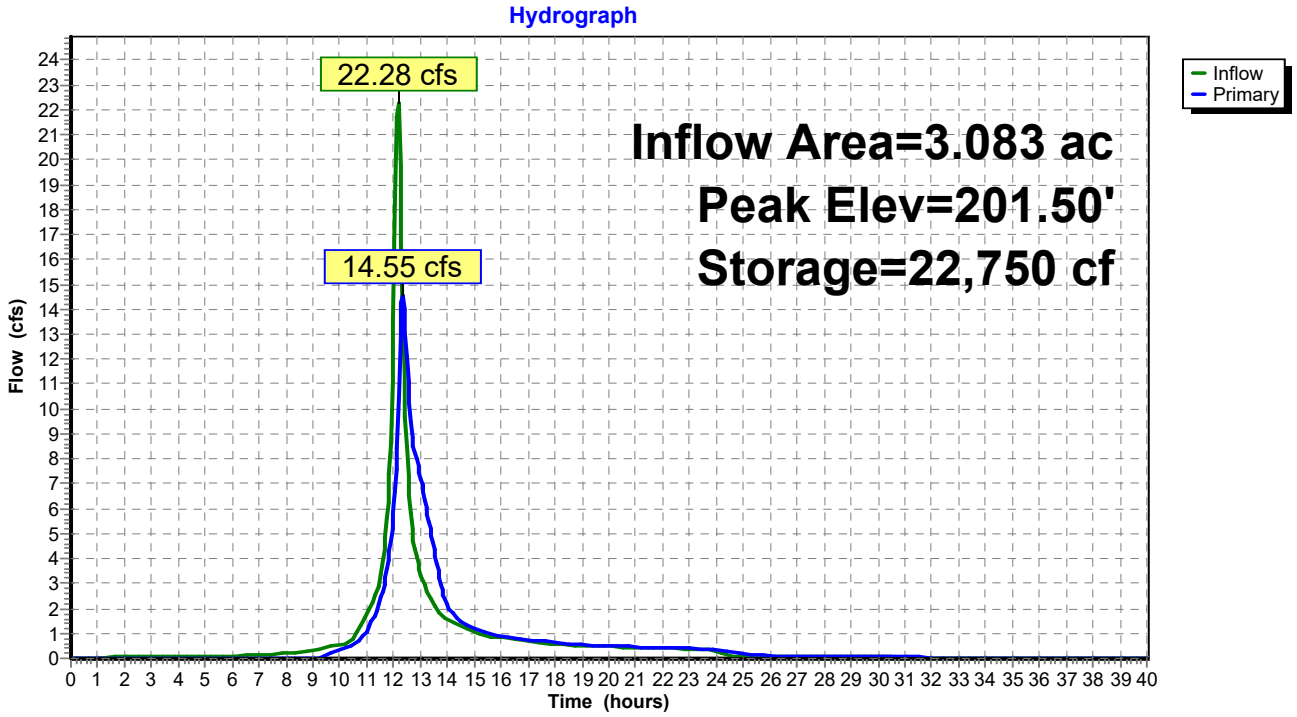
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
199.00	9,090	0	0
200.00	9,090	9,090	9,090
201.00	9,090	9,090	18,180
202.00	9,090	9,090	27,270

Device	Routing	Invert	Outlet Devices
#1	Primary	199.00'	**36.0" Round Culvert** L= 87.0' Ke= 0.500 Inlet / Outlet Invert= 199.00' / 198.00' S= 0.0115 '/' Cc= 0.900 n= 0.013, Flow Area= 7.07 sf
#2	Device 1	199.34'	**36.0" W x 6.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	201.00'	**4.0' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)
#4	Primary	201.50'	**50.0' long + 3.0 '/' SideZ x 5.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=14.47 cfs @ 12.34 hrs HW=201.50' (Free Discharge)
- **1=Culvert** (Passes 14.47 cfs of 33.31 cfs potential flow)
  - **2=Orifice/Grate** (Orifice Controls 9.97 cfs @ 6.65 fps)
  - **3=Sharp-Crested Rectangular Weir** (Weir Controls 4.49 cfs @ 2.31 fps)
- **4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)



Pond B-58: Basin #58



Hydrograph for Pond B-58: Basin #58

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
0.00	0.00	0	199.00	0.00
0.10	0.00	0	199.00	0.00
0.20	0.00	0	199.00	0.00
0.30	0.00	0	199.00	0.00
0.40	0.00	0	199.00	0.00
0.50	0.01	2	199.00	0.00
0.60	0.01	6	199.00	0.00
0.70	0.02	11	199.00	0.00
0.80	0.02	18	199.00	0.00
0.90	0.02	26	199.00	0.00
1.00	0.03	34	199.00	0.00
1.10	0.03	44	199.00	0.00
1.20	0.03	55	199.01	0.00
1.30	0.03	67	199.01	0.00
1.40	0.04	79	199.01	0.00
1.50	0.04	92	199.01	0.00
1.60	0.04	106	199.01	0.00
1.70	0.04	120	199.01	0.00
1.80	0.04	135	199.01	0.00
1.90	0.04	151	199.02	0.00
2.00	0.04	167	199.02	0.00
2.10	0.05	183	199.02	0.00
2.20	0.05	200	199.02	0.00
2.30	0.05	217	199.02	0.00
2.40	0.05	235	199.03	0.00
2.50	0.05	253	199.03	0.00
2.60	0.05	272	199.03	0.00
2.70	0.05	291	199.03	0.00
2.80	0.05	310	199.03	0.00
2.90	0.05	330	199.04	0.00
3.00	0.06	349	199.04	0.00
3.10	0.06	370	199.04	0.00
3.20	0.06	390	199.04	0.00
3.30	0.06	411	199.05	0.00
3.40	0.06	432	199.05	0.00
3.50	0.06	454	199.05	0.00
3.60	0.06	476	199.05	0.00
3.70	0.06	498	199.05	0.00
3.80	0.06	520	199.06	0.00
3.90	0.06	542	199.06	0.00
4.00	0.06	565	199.06	0.00
4.10	0.06	588	199.06	0.00
4.20	0.07	611	199.07	0.00
4.30	0.07	635	199.07	0.00
4.40	0.07	659	199.07	0.00
4.50	0.07	683	199.08	0.00
4.60	0.07	707	199.08	0.00
4.70	0.07	732	199.08	0.00
4.80	0.07	756	199.08	0.00
4.90	0.07	781	199.09	0.00
5.00	0.07	807	199.09	0.00
5.10	0.07	832	199.09	0.00

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.20	0.07	858	199.09	0.00
5.30	0.07	884	199.10	0.00
5.40	0.08	911	199.10	0.00
5.50	0.08	939	199.10	0.00
5.60	0.08	968	199.11	0.00
5.70	0.08	998	199.11	0.00
5.80	0.09	1,029	199.11	0.00
5.90	0.09	1,060	199.12	0.00
6.00	0.09	1,093	199.12	0.00
6.10	0.10	1,127	199.12	0.00
6.20	0.10	1,162	199.13	0.00
6.30	0.10	1,200	199.13	0.00
6.40	0.11	1,238	199.14	0.00
6.50	0.11	1,279	199.14	0.00
6.60	0.12	1,321	199.15	0.00
6.70	0.12	1,364	199.15	0.00
6.80	0.13	1,410	199.16	0.00
6.90	0.13	1,457	199.16	0.00
7.00	0.14	1,507	199.17	0.00
7.10	0.14	1,558	199.17	0.00
7.20	0.15	1,611	199.18	0.00
7.30	0.16	1,666	199.18	0.00
7.40	0.16	1,724	199.19	0.00
7.50	0.17	1,783	199.20	0.00
7.60	0.17	1,844	199.20	0.00
7.70	0.18	1,908	199.21	0.00
7.80	0.19	1,973	199.22	0.00
7.90	0.19	2,041	199.22	0.00
8.00	0.20	2,111	199.23	0.00
8.10	0.20	2,184	199.24	0.00
8.20	0.21	2,259	199.25	0.00
8.30	0.22	2,336	199.26	0.00
8.40	0.22	2,415	199.27	0.00
8.50	0.23	2,497	199.27	0.00
8.60	0.24	2,582	199.28	0.00
8.70	0.25	2,670	199.29	0.00
8.80	0.26	2,762	199.30	0.00
8.90	0.27	2,859	199.31	0.00
9.00	0.29	2,961	199.33	0.00
9.10	0.31	3,069	199.34	0.00
9.20	0.34	3,184	199.35	0.01
9.30	0.36	3,301	199.36	0.04
9.40	0.39	3,417	199.38	0.07
9.50	0.41	3,529	199.39	0.10
9.60	0.44	3,638	199.40	0.15
9.70	0.46	3,740	199.41	0.19
9.80	0.49	3,838	199.42	0.23
9.90	0.52	3,929	199.43	0.27
10.00	0.54	4,014	199.44	0.31
10.10	0.57	4,094	199.45	0.35
10.20	0.60	4,170	199.46	0.40
10.30	0.63	4,241	199.47	0.44

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
10.40	0.68	4,310	199.47	0.47
10.50	0.81	4,399	199.48	0.53
10.60	0.98	4,520	199.50	0.60
10.70	1.16	4,674	199.51	0.70
10.80	1.35	4,854	199.53	0.82
10.90	1.53	5,052	199.56	0.97
11.00	1.71	5,262	199.58	1.13
11.10	1.93	5,484	199.60	1.30
11.20	2.19	5,725	199.63	1.50
11.30	2.48	5,986	199.66	1.73
11.40	2.78	6,267	199.69	1.99
11.50	3.14	6,565	199.72	2.28
11.60	3.93	6,962	199.77	2.68
11.70	4.87	7,481	199.82	3.23
11.80	6.25	8,206	199.90	3.91
11.90	8.60	9,328	200.03	4.70
12.00	13.50	11,424	200.26	5.86
12.10	21.47	15,441	200.70	7.59
12.20	**22.10**	20,121	201.21	10.47
12.30	16.68	**22,611**	**201.49**	**14.28**
12.40	11.41	**22,424**	**201.47**	**13.96**
12.50	8.49	21,268	201.34	12.09
12.60	6.56	19,931	201.19	10.23
12.70	5.21	18,617	201.05	8.85
12.80	4.34	17,256	200.90	8.25
12.90	3.82	15,839	200.74	7.74
13.00	3.41	14,445	200.59	7.20
13.10	3.05	13,110	200.44	6.64
13.20	2.74	11,860	200.30	6.07
13.30	2.50	10,717	200.18	5.50
13.40	2.29	9,700	200.07	4.93
13.50	2.10	8,816	199.97	4.36
13.60	1.92	8,067	199.89	3.80
13.70	1.77	7,465	199.82	3.22
13.80	1.66	7,015	199.77	2.73
13.90	1.59	6,680	199.73	2.39
14.00	1.53	6,428	199.71	2.14
14.10	1.48	6,232	199.69	1.96
14.20	1.43	6,077	199.67	1.81
14.30	1.38	5,949	199.65	1.70
14.40	1.33	5,842	199.64	1.60
14.50	1.28	5,748	199.63	1.52
14.60	1.23	5,664	199.62	1.45
14.70	1.18	5,588	199.61	1.39
14.80	1.14	5,517	199.61	1.33
14.90	1.09	5,449	199.60	1.27
15.00	1.04	5,384	199.59	1.22
15.10	1.00	5,319	199.59	1.17
15.20	0.96	5,258	199.58	1.12
15.30	0.93	5,201	199.57	1.08
15.40	0.91	5,150	199.57	1.04
15.50	0.89	5,105	199.56	1.01

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
15.60	0.87	5,066	199.56	0.98
15.70	0.86	5,031	199.55	0.95
15.80	0.85	4,999	199.55	0.93
15.90	0.83	4,971	199.55	0.91
16.00	0.82	4,946	199.54	0.89
16.10	0.81	4,922	199.54	0.87
16.20	0.80	4,900	199.54	0.86
16.30	0.78	4,879	199.54	0.84
16.40	0.77	4,858	199.53	0.83
16.50	0.76	4,838	199.53	0.81
16.60	0.74	4,818	199.53	0.80
16.70	0.73	4,798	199.53	0.79
16.80	0.72	4,779	199.53	0.77
16.90	0.71	4,760	199.52	0.76
17.00	0.69	4,740	199.52	0.75
17.10	0.68	4,721	199.52	0.73
17.20	0.67	4,702	199.52	0.72
17.30	0.65	4,683	199.52	0.71
17.40	0.64	4,664	199.51	0.69
17.50	0.63	4,645	199.51	0.68
17.60	0.62	4,626	199.51	0.67
17.70	0.60	4,607	199.51	0.66
17.80	0.59	4,588	199.50	0.64
17.90	0.58	4,568	199.50	0.63
18.00	0.56	4,548	199.50	0.62
18.10	0.55	4,528	199.50	0.61
18.20	0.54	4,508	199.50	0.60
18.30	0.53	4,489	199.49	0.58
18.40	0.53	4,473	199.49	0.57
18.50	0.52	4,458	199.49	0.56
18.60	0.52	4,444	199.49	0.56
18.70	0.52	4,432	199.49	0.55
18.80	0.51	4,422	199.49	0.54
18.90	0.51	4,412	199.49	0.54
19.00	0.51	4,403	199.48	0.53
19.10	0.50	4,395	199.48	0.52
19.20	0.50	4,388	199.48	0.52
19.30	0.50	4,380	199.48	0.52
19.40	0.49	4,374	199.48	0.51
19.50	0.49	4,367	199.48	0.51
19.60	0.49	4,361	199.48	0.50
19.70	0.48	4,355	199.48	0.50
19.80	0.48	4,349	199.48	0.50
19.90	0.48	4,343	199.48	0.49
20.00	0.47	4,337	199.48	0.49
20.10	0.47	4,332	199.48	0.49
20.20	0.47	4,326	199.48	0.48
20.30	0.46	4,320	199.48	0.48
20.40	0.46	4,314	199.47	0.48
20.50	0.46	4,308	199.47	0.47
20.60	0.45	4,302	199.47	0.47
20.70	0.45	4,297	199.47	0.47

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
20.80	0.45	4,291	199.47	0.46
20.90	0.44	4,285	199.47	0.46
21.00	0.44	4,279	199.47	0.46
21.10	0.44	4,273	199.47	0.45
21.20	0.43	4,268	199.47	0.45
21.30	0.43	4,262	199.47	0.45
21.40	0.43	4,256	199.47	0.44
21.50	0.43	4,251	199.47	0.44
21.60	0.42	4,245	199.47	0.44
21.70	0.42	4,239	199.47	0.43
21.80	0.42	4,233	199.47	0.43
21.90	0.41	4,228	199.47	0.43
22.00	0.41	4,222	199.46	0.43
22.10	0.41	4,216	199.46	0.42
22.20	0.40	4,210	199.46	0.42
22.30	0.40	4,205	199.46	0.42
22.40	0.40	4,199	199.46	0.41
22.50	0.39	4,193	199.46	0.41
22.60	0.39	4,187	199.46	0.41
22.70	0.39	4,182	199.46	0.40
22.80	0.38	4,176	199.46	0.40
22.90	0.38	4,170	199.46	0.40
23.00	0.38	4,164	199.46	0.39
23.10	0.37	4,159	199.46	0.39
23.20	0.37	4,153	199.46	0.39
23.30	0.37	4,147	199.46	0.38
23.40	0.36	4,141	199.46	0.38
23.50	0.36	4,135	199.45	0.38
23.60	0.36	4,130	199.45	0.37
23.70	0.35	4,124	199.45	0.37
23.80	0.35	4,118	199.45	0.37
23.90	0.35	4,113	199.45	0.36
24.00	0.35	4,110	199.45	0.36
24.10	0.29	4,093	199.45	0.35
24.20	0.20	4,057	199.45	0.33
24.30	0.14	4,001	199.44	0.31
24.40	0.11	3,939	199.43	0.28
24.50	0.10	3,883	199.43	0.25
24.60	0.10	3,834	199.42	0.23
24.70	0.10	3,793	199.42	0.21
24.80	0.10	3,756	199.41	0.19
24.90	0.10	3,724	199.41	0.18
25.00	0.10	3,697	199.41	0.17
25.10	0.10	3,672	199.40	0.16
25.20	0.09	3,651	199.40	0.15
25.30	0.09	3,632	199.40	0.14
25.40	0.09	3,615	199.40	0.14
25.50	0.09	3,600	199.40	0.13
25.60	0.09	3,587	199.39	0.12
25.70	0.09	3,576	199.39	0.12
25.80	0.09	3,565	199.39	0.12
25.90	0.09	3,556	199.39	0.11

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
26.00	0.09	3,547	199.39	0.11
26.10	0.09	3,539	199.39	0.11
26.20	0.08	3,532	199.39	0.10
26.30	0.08	3,525	199.39	0.10
26.40	0.08	3,518	199.39	0.10
26.50	0.08	3,512	199.39	0.10
26.60	0.08	3,506	199.39	0.10
26.70	0.08	3,500	199.39	0.09
26.80	0.08	3,495	199.38	0.09
26.90	0.08	3,489	199.38	0.09
27.00	0.08	3,484	199.38	0.09
27.10	0.07	3,479	199.38	0.09
27.20	0.07	3,474	199.38	0.09
27.30	0.07	3,469	199.38	0.09
27.40	0.07	3,465	199.38	0.08
27.50	0.07	3,460	199.38	0.08
27.60	0.07	3,456	199.38	0.08
27.70	0.07	3,451	199.38	0.08
27.80	0.07	3,447	199.38	0.08
27.90	0.07	3,443	199.38	0.08
28.00	0.06	3,439	199.38	0.08
28.10	0.06	3,434	199.38	0.08
28.20	0.06	3,430	199.38	0.07
28.30	0.06	3,426	199.38	0.07
28.40	0.06	3,422	199.38	0.07
28.50	0.06	3,418	199.38	0.07
28.60	0.06	3,415	199.38	0.07
28.70	0.06	3,411	199.38	0.07
28.80	0.06	3,407	199.37	0.07
28.90	0.06	3,403	199.37	0.07
29.00	0.05	3,399	199.37	0.06
29.10	0.05	3,395	199.37	0.06
29.20	0.05	3,392	199.37	0.06
29.30	0.05	3,388	199.37	0.06
29.40	0.05	3,384	199.37	0.06
29.50	0.05	3,381	199.37	0.06
29.60	0.05	3,377	199.37	0.06
29.70	0.05	3,373	199.37	0.06
29.80	0.05	3,369	199.37	0.06
29.90	0.04	3,366	199.37	0.05
30.00	0.04	3,362	199.37	0.05
30.10	0.04	3,358	199.37	0.05
30.20	0.04	3,354	199.37	0.05
30.30	0.04	3,350	199.37	0.05
30.40	0.04	3,346	199.37	0.05
30.50	0.04	3,342	199.37	0.05
30.60	0.04	3,339	199.37	0.05
30.70	0.04	3,335	199.37	0.05
30.80	0.03	3,331	199.37	0.04
30.90	0.03	3,327	199.37	0.04
31.00	0.03	3,324	199.37	0.04
31.10	0.03	3,320	199.37	0.04

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
31.20	0.03	3,317	199.36	0.04
31.30	0.03	3,313	199.36	0.04
31.40	0.03	3,310	199.36	0.04
31.50	0.03	3,306	199.36	0.04
31.60	0.03	3,303	199.36	0.04
31.70	0.03	3,300	199.36	0.04
31.80	0.03	3,296	199.36	0.03
31.90	0.03	3,293	199.36	0.03
32.00	0.02	3,290	199.36	0.03
32.10	0.02	3,288	199.36	0.03
32.20	0.02	3,285	199.36	0.03
32.30	0.02	3,282	199.36	0.03
32.40	0.02	3,279	199.36	0.03
32.50	0.02	3,277	199.36	0.03
32.60	0.02	3,274	199.36	0.03
32.70	0.02	3,271	199.36	0.03
32.80	0.02	3,269	199.36	0.03
32.90	0.02	3,266	199.36	0.03
33.00	0.02	3,264	199.36	0.03
33.10	0.02	3,261	199.36	0.03
33.20	0.02	3,258	199.36	0.03
33.30	0.02	3,256	199.36	0.02
33.40	0.02	3,253	199.36	0.02
33.50	0.02	3,250	199.36	0.02
33.60	0.02	3,247	199.36	0.02
33.70	0.02	3,245	199.36	0.02
33.80	0.02	3,242	199.36	0.02
33.90	0.01	3,239	199.36	0.02
34.00	0.01	3,237	199.36	0.02
34.10	0.01	3,234	199.36	0.02
34.20	0.01	3,232	199.36	0.02
34.30	0.01	3,229	199.36	0.02
34.40	0.01	3,227	199.35	0.02
34.50	0.01	3,224	199.35	0.02
34.60	0.01	3,222	199.35	0.02
34.70	0.01	3,219	199.35	0.02
34.80	0.01	3,217	199.35	0.02
34.90	0.01	3,214	199.35	0.02
35.00	0.01	3,212	199.35	0.02
35.10	0.01	3,210	199.35	0.02
35.20	0.01	3,207	199.35	0.02
35.30	0.01	3,205	199.35	0.02
35.40	0.01	3,203	199.35	0.02
35.50	0.01	3,201	199.35	0.02
35.60	0.01	3,198	199.35	0.02
35.70	0.01	3,196	199.35	0.02
35.80	0.01	3,194	199.35	0.02
35.90	0.01	3,192	199.35	0.02
36.00	0.01	3,190	199.35	0.01
36.10	0.01	3,188	199.35	0.01
36.20	0.01	3,186	199.35	0.01
36.30	0.01	3,184	199.35	0.01

Hydrograph for Pond B-58: Basin #58 (continued)

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
36.40	0.01	3,182	199.35	0.01
36.50	0.01	3,181	199.35	0.01
36.60	0.01	3,179	199.35	0.01
36.70	0.01	3,177	199.35	0.01
36.80	0.01	3,175	199.35	0.01
36.90	0.01	3,174	199.35	0.01
37.00	0.01	3,172	199.35	0.01
37.10	0.01	3,171	199.35	0.01
37.20	0.01	3,169	199.35	0.01
37.30	0.01	3,168	199.35	0.01
37.40	0.01	3,166	199.35	0.01
37.50	0.01	3,165	199.35	0.01
37.60	0.01	3,163	199.35	0.01
37.70	0.01	3,162	199.35	0.01
37.80	0.01	3,161	199.35	0.01
37.90	0.01	3,159	199.35	0.01
38.00	0.01	3,158	199.35	0.01
38.10	0.01	3,157	199.35	0.01
38.20	0.01	3,156	199.35	0.01
38.30	0.01	3,155	199.35	0.01
38.40	0.01	3,153	199.35	0.01
38.50	0.01	3,152	199.35	0.01
38.60	0.01	3,151	199.35	0.01
38.70	0.01	3,150	199.35	0.01
38.80	0.01	3,149	199.35	0.01
38.90	0.01	3,148	199.35	0.01
39.00	0.01	3,147	199.35	0.01
39.10	0.01	3,146	199.35	0.01
39.20	0.01	3,145	199.35	0.01
39.30	0.01	3,144	199.35	0.01
39.40	0.01	3,143	199.35	0.01
39.50	0.01	3,142	199.35	0.01
39.60	0.01	3,141	199.35	0.01
39.70	0.01	3,141	199.35	0.01
39.80	0.00	3,140	199.35	0.01
39.90	0.00	3,139	199.35	0.01
40.00	0.00	3,138	199.35	0.01

Stage-Discharge for Pond B-58: Basin #58

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
199.00	0.00	199.52	0.74	200.04	4.78	200.56	7.09
199.01	0.00	199.53	0.80	200.05	4.83	200.57	7.13
199.02	0.00	199.54	0.86	200.06	4.89	200.58	7.17
199.03	0.00	199.55	0.93	200.07	4.94	200.59	7.20
199.04	0.00	199.56	0.99	200.08	5.00	200.60	7.24
199.05	0.00	199.57	1.06	200.09	5.05	200.61	7.28
199.06	0.00	199.58	1.13	200.10	5.10	200.62	7.31
199.07	0.00	199.59	1.20	200.11	5.16	200.63	7.35
199.08	0.00	199.60	1.28	200.12	5.21	200.64	7.38
199.09	0.00	199.61	1.35	200.13	5.26	200.65	7.42
199.10	0.00	199.62	1.43	200.14	5.31	200.66	7.45
199.11	0.00	199.63	1.50	200.15	5.36	200.67	7.49
199.12	0.00	199.64	1.58	200.16	5.41	200.68	7.52
199.13	0.00	199.65	1.66	200.17	5.46	200.69	7.56
199.14	0.00	199.66	1.74	200.18	5.50	200.70	7.59
199.15	0.00	199.67	1.83	200.19	5.55	200.71	7.63
199.16	0.00	199.68	1.91	200.20	5.60	200.72	7.66
199.17	0.00	199.69	1.99	200.21	5.65	200.73	7.70
199.18	0.00	199.70	2.08	200.22	5.69	200.74	7.73
199.19	0.00	199.71	2.17	200.23	5.74	200.75	7.76
199.20	0.00	199.72	2.26	200.24	5.79	200.76	7.80
199.21	0.00	199.73	2.35	200.25	5.83	200.77	7.83
199.22	0.00	199.74	2.44	200.26	5.88	200.78	7.86
199.23	0.00	199.75	2.53	200.27	5.92	200.79	7.90
199.24	0.00	199.76	2.62	200.28	5.97	200.80	7.93
199.25	0.00	199.77	2.72	200.29	6.01	200.81	7.96
199.26	0.00	199.78	2.81	200.30	6.05	200.82	8.00
199.27	0.00	199.79	2.91	200.31	6.10	200.83	8.03
199.28	0.00	199.80	3.00	200.32	6.14	200.84	8.06
199.29	0.00	199.81	3.10	200.33	6.18	200.85	8.09
199.30	0.00	199.82	3.20	200.34	6.23	200.86	8.13
199.31	0.00	199.83	3.30	200.35	6.27	200.87	8.16
199.32	0.00	199.84	3.40	200.36	6.31	200.88	8.19
199.33	0.00	199.85	3.50	200.37	6.35	200.89	8.22
199.34	0.00	199.86	3.58	200.38	6.39	200.90	8.25
199.35	0.01	199.87	3.67	200.39	6.43	200.91	8.29
199.36	0.03	199.88	3.74	200.40	6.47	200.92	8.32
199.37	0.05	199.89	3.82	200.41	6.51	200.93	8.35
199.38	0.08	199.90	3.89	200.42	6.55	200.94	8.38
199.39	0.11	199.91	3.97	200.43	6.59	200.95	8.41
199.40	0.14	199.92	4.04	200.44	6.63	200.96	8.44
199.41	0.18	199.93	4.10	200.45	6.67	200.97	8.47
199.42	0.22	199.94	4.17	200.46	6.71	200.98	8.50
199.43	0.26	199.95	4.24	200.47	6.75	200.99	8.53
199.44	0.30	199.96	4.30	200.48	6.79	201.00	8.56
199.45	0.35	199.97	4.36	200.49	6.83	201.01	8.61
199.46	0.40	199.98	4.43	200.50	6.87	201.02	8.66
199.47	0.45	199.99	4.49	200.51	6.91	201.03	8.72
199.48	0.50	200.00	4.55	200.52	6.94	201.04	8.79
199.49	0.56	200.01	4.61	200.53	6.98	201.05	8.86
199.50	0.62	200.02	4.66	200.54	7.02	201.06	8.94
199.51	0.67	200.03	4.72	200.55	7.06	201.07	9.02

Stage-Discharge for Pond B-58: Basin #58 (continued)

Elevation (feet)	Primary (cfs)
201.08	9.10
201.09	9.19
201.10	9.28
201.11	9.37
201.12	9.46
201.13	9.56
201.14	9.66
201.15	9.77
201.16	9.87
201.17	9.98
201.18	10.09
201.19	10.20
201.20	10.31
201.21	10.43
201.22	10.55
201.23	10.67
201.24	10.79
201.25	10.91
201.26	11.04
201.27	11.16
201.28	11.29
201.29	11.42
201.30	11.55
201.31	11.69
201.32	11.82
201.33	11.96
201.34	12.10
201.35	12.23
201.36	12.38
201.37	12.52
201.38	12.66
201.39	12.81
201.40	12.95
201.41	13.10
201.42	13.25
201.43	13.40
201.44	13.55
201.45	13.70
201.46	13.86
201.47	14.01
201.48	14.17
201.49	14.32
201.50	14.48
201.51	14.76
201.52	15.14
201.53	15.57
201.54	16.07
201.55	16.60
201.56	17.18
201.57	17.80
201.58	18.45
201.59	19.13
201.60	19.85
201.61	20.59
201.62	21.36
201.63	22.16
201.64	22.99
201.65	23.84
201.66	24.71
201.67	25.61
201.68	26.53
201.69	27.48
201.70	28.44
201.71	29.47
201.72	30.52
201.73	31.60
201.74	32.71
201.75	33.84
201.76	35.00
201.77	36.18
201.78	37.39
201.79	38.62
201.80	39.88
201.81	41.17
201.82	42.48
201.83	43.82
201.84	45.18
201.85	46.56
201.86	47.97
201.87	49.41
201.88	50.87
201.89	52.36
201.90	53.87
201.91	55.43
201.92	57.02
201.93	58.63
201.94	60.28
201.95	61.95
201.96	63.64
201.97	65.37
201.98	67.12
201.99	68.89
202.00	**70.70**

Stage-Area-Storage for Pond B-58: Basin #58

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
199.00	**9,090**	0	199.52	9,090	4,727
199.01	9,090	91	199.53	9,090	4,818
199.02	9,090	182	199.54	9,090	4,909
199.03	9,090	273	199.55	9,090	5,000
199.04	9,090	364	199.56	9,090	5,090
199.05	9,090	455	199.57	9,090	5,181
199.06	9,090	545	199.58	9,090	5,272
199.07	9,090	636	199.59	9,090	5,363
199.08	9,090	727	199.60	9,090	5,454
199.09	9,090	818	199.61	9,090	5,545
199.10	9,090	909	199.62	9,090	5,636
199.11	9,090	1,000	199.63	9,090	5,727
199.12	9,090	1,091	199.64	9,090	5,818
199.13	9,090	1,182	199.65	9,090	5,909
199.14	9,090	1,273	199.66	9,090	5,999
199.15	9,090	1,364	199.67	9,090	6,090
199.16	9,090	1,454	199.68	9,090	6,181
199.17	9,090	1,545	199.69	9,090	6,272
199.18	9,090	1,636	199.70	9,090	6,363
199.19	9,090	1,727	199.71	9,090	6,454
199.20	9,090	1,818	199.72	9,090	6,545
199.21	9,090	1,909	199.73	9,090	6,636
199.22	9,090	2,000	199.74	9,090	6,727
199.23	9,090	2,091	199.75	9,090	6,818
199.24	9,090	2,182	199.76	9,090	6,908
199.25	9,090	2,273	199.77	9,090	6,999
199.26	9,090	2,363	199.78	9,090	7,090
199.27	9,090	2,454	199.79	9,090	7,181
199.28	9,090	2,545	199.80	9,090	7,272
199.29	9,090	2,636	199.81	9,090	7,363
199.30	9,090	2,727	199.82	9,090	7,454
199.31	9,090	2,818	199.83	9,090	7,545
199.32	9,090	2,909	199.84	9,090	7,636
199.33	9,090	3,000	199.85	9,090	7,726
199.34	9,090	3,091	199.86	9,090	7,817
199.35	9,090	3,181	199.87	9,090	7,908
199.36	9,090	3,272	199.88	9,090	7,999
199.37	9,090	3,363	199.89	9,090	8,090
199.38	9,090	3,454	199.90	9,090	8,181
199.39	9,090	3,545	199.91	9,090	8,272
199.40	9,090	3,636	199.92	9,090	8,363
199.41	9,090	3,727	199.93	9,090	8,454
199.42	9,090	3,818	199.94	9,090	8,545
199.43	9,090	3,909	199.95	9,090	8,635
199.44	9,090	4,000	199.96	9,090	8,726
199.45	9,090	4,090	199.97	9,090	8,817
199.46	9,090	4,181	199.98	9,090	8,908
199.47	9,090	4,272	199.99	9,090	8,999
199.48	9,090	4,363	200.00	9,090	9,090
199.49	9,090	4,454	200.01	9,090	9,181
199.50	9,090	4,545	200.02	9,090	9,272
199.51	9,090	4,636	200.03	9,090	9,363

Stage-Area-Storage for Pond B-58: Basin #58 (continued)

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)	Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
200.04	9,090	9,454	200.56	9,090	14,180
200.05	9,090	9,545	200.57	9,090	14,271
200.06	9,090	9,635	200.58	9,090	14,362
200.07	9,090	9,726	200.59	9,090	14,453
200.08	9,090	9,817	200.60	9,090	14,544
200.09	9,090	9,908	200.61	9,090	14,635
200.10	9,090	9,999	200.62	9,090	14,726
200.11	9,090	10,090	200.63	9,090	14,817
200.12	9,090	10,181	200.64	9,090	14,908
200.13	9,090	10,272	200.65	9,090	14,999
200.14	9,090	10,363	200.66	9,090	15,089
200.15	9,090	10,454	200.67	9,090	15,180
200.16	9,090	10,544	200.68	9,090	15,271
200.17	9,090	10,635	200.69	9,090	15,362
200.18	9,090	10,726	200.70	9,090	15,453
200.19	9,090	10,817	200.71	9,090	15,544
200.20	9,090	10,908	200.72	9,090	15,635
200.21	9,090	10,999	200.73	9,090	15,726
200.22	9,090	11,090	200.74	9,090	15,817
200.23	9,090	11,181	200.75	9,090	15,908
200.24	9,090	11,272	200.76	9,090	15,998
200.25	9,090	11,363	200.77	9,090	16,089
200.26	9,090	11,453	200.78	9,090	16,180
200.27	9,090	11,544	200.79	9,090	16,271
200.28	9,090	11,635	200.80	9,090	16,362
200.29	9,090	11,726	200.81	9,090	16,453
200.30	9,090	11,817	200.82	9,090	16,544
200.31	9,090	11,908	200.83	9,090	16,635
200.32	9,090	11,999	200.84	9,090	16,726
200.33	9,090	12,090	200.85	9,090	16,816
200.34	9,090	12,181	200.86	9,090	16,907
200.35	9,090	12,271	200.87	9,090	16,998
200.36	9,090	12,362	200.88	9,090	17,089
200.37	9,090	12,453	200.89	9,090	17,180
200.38	9,090	12,544	200.90	9,090	17,271
200.39	9,090	12,635	200.91	9,090	17,362
200.40	9,090	12,726	200.92	9,090	17,453
200.41	9,090	12,817	200.93	9,090	17,544
200.42	9,090	12,908	200.94	9,090	17,635
200.43	9,090	12,999	200.95	9,090	17,725
200.44	9,090	13,090	200.96	9,090	17,816
200.45	9,090	13,180	200.97	9,090	17,907
200.46	9,090	13,271	200.98	9,090	17,998
200.47	9,090	13,362	200.99	9,090	18,089
200.48	9,090	13,453	201.00	9,090	18,180
200.49	9,090	13,544	201.01	9,090	18,271
200.50	9,090	13,635	201.02	9,090	18,362
200.51	9,090	13,726	201.03	9,090	18,453
200.52	9,090	13,817	201.04	9,090	18,544
200.53	9,090	13,908	201.05	9,090	18,635
200.54	9,090	13,999	201.06	9,090	18,725
200.55	9,090	14,090	201.07	9,090	18,816

Stage-Area-Storage for Pond B-58: Basin #58 (continued)

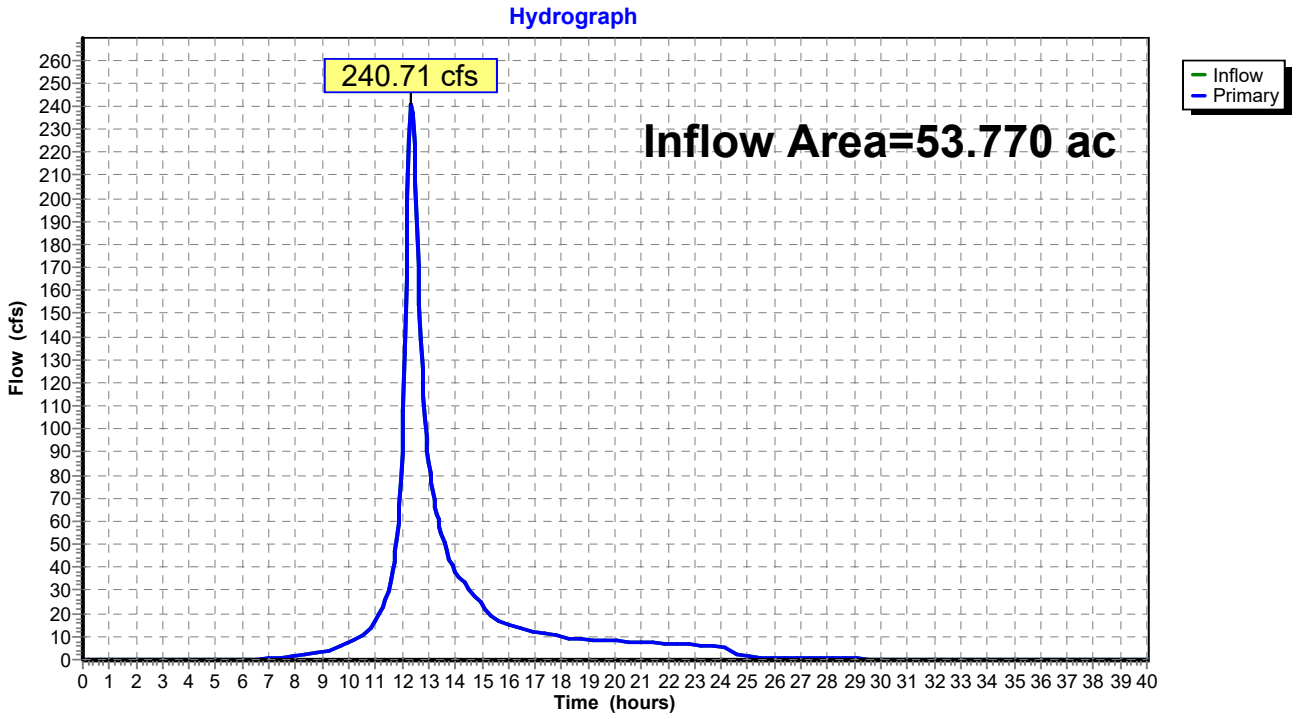
Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
201.08	9,090	18,907
201.09	9,090	18,998
201.10	9,090	19,089
201.11	9,090	19,180
201.12	9,090	19,271
201.13	9,090	19,362
201.14	9,090	19,453
201.15	9,090	19,544
201.16	9,090	19,634
201.17	9,090	19,725
201.18	9,090	19,816
201.19	9,090	19,907
201.20	9,090	19,998
201.21	9,090	20,089
201.22	9,090	20,180
201.23	9,090	20,271
201.24	9,090	20,362
201.25	9,090	20,453
201.26	9,090	20,543
201.27	9,090	20,634
201.28	9,090	20,725
201.29	9,090	20,816
201.30	9,090	20,907
201.31	9,090	20,998
201.32	9,090	21,089
201.33	9,090	21,180
201.34	9,090	21,271
201.35	9,090	21,361
201.36	9,090	21,452
201.37	9,090	21,543
201.38	9,090	21,634
201.39	9,090	21,725
201.40	9,090	21,816
201.41	9,090	21,907
201.42	9,090	21,998
201.43	9,090	22,089
201.44	9,090	22,180
201.45	9,090	22,270
201.46	9,090	22,361
201.47	9,090	22,452
201.48	9,090	22,543
201.49	9,090	22,634
201.50	9,090	22,725
201.51	9,090	22,816
201.52	9,090	22,907
201.53	9,090	22,998
201.54	9,090	23,089
201.55	9,090	23,180
201.56	9,090	23,270
201.57	9,090	23,361
201.58	9,090	23,452
201.59	9,090	23,543
201.60	9,090	23,634
201.61	9,090	23,725
201.62	9,090	23,816
201.63	9,090	23,907
201.64	9,090	23,998
201.65	9,090	24,089
201.66	9,090	24,179
201.67	9,090	24,270
201.68	9,090	24,361
201.69	9,090	24,452
201.70	9,090	24,543
201.71	9,090	24,634
201.72	9,090	24,725
201.73	9,090	24,816
201.74	9,090	24,907
201.75	9,090	24,998
201.76	9,090	25,088
201.77	9,090	25,179
201.78	9,090	25,270
201.79	9,090	25,361
201.80	9,090	25,452
201.81	9,090	25,543
201.82	9,090	25,634
201.83	9,090	25,725
201.84	9,090	25,816
201.85	9,090	25,906
201.86	9,090	25,997
201.87	9,090	26,088
201.88	9,090	26,179
201.89	9,090	26,270
201.90	9,090	26,361
201.91	9,090	26,452
201.92	9,090	26,543
201.93	9,090	26,634
201.94	9,090	26,725
201.95	9,090	26,815
201.96	9,090	26,906
201.97	9,090	26,997
201.98	9,090	27,088
201.99	9,090	27,179
202.00	9,090	**27,270**

Summary for Link PDA-6: Proposed Drainage Area #6

Inflow Area = 53.770 ac, 12.46% Impervious, Inflow Depth > 7.43" for Future 100 yr event
Inflow = 240.71 cfs @ 12.33 hrs, Volume= 33.274 af
Primary = 240.71 cfs @ 12.33 hrs, Volume= 33.274 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link PDA-6: Proposed Drainage Area #6



Hydrograph for Link PDA-6: Proposed Drainage Area #6

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.08	0.00	0.08
0.05	0.00	0.00	0.00	2.65	0.08	0.00	0.08
0.10	0.00	0.00	0.00	2.70	0.08	0.00	0.08
0.15	0.00	0.00	0.00	2.75	0.08	0.00	0.08
0.20	0.00	0.00	0.00	2.80	0.09	0.00	0.09
0.25	0.00	0.00	0.00	2.85	0.09	0.00	0.09
0.30	0.00	0.00	0.00	2.90	0.09	0.00	0.09
0.35	0.00	0.00	0.00	2.95	0.09	0.00	0.09
0.40	0.00	0.00	0.00	3.00	0.09	0.00	0.09
0.45	0.00	0.00	0.00	3.05	0.09	0.00	0.09
0.50	0.00	0.00	0.00	3.10	0.09	0.00	0.09
0.55	0.00	0.00	0.00	3.15	0.09	0.00	0.09
0.60	0.00	0.00	0.00	3.20	0.09	0.00	0.09
0.65	0.00	0.00	0.00	3.25	0.09	0.00	0.09
0.70	0.00	0.00	0.00	3.30	0.09	0.00	0.09
0.75	0.01	0.00	0.01	3.35	0.10	0.00	0.10
0.80	0.01	0.00	0.01	3.40	0.10	0.00	0.10
0.85	0.01	0.00	0.01	3.45	0.10	0.00	0.10
0.90	0.02	0.00	0.02	3.50	0.10	0.00	0.10
0.95	0.02	0.00	0.02	3.55	0.10	0.00	0.10
1.00	0.02	0.00	0.02	3.60	0.10	0.00	0.10
1.05	0.03	0.00	0.03	3.65	0.10	0.00	0.10
1.10	0.03	0.00	0.03	3.70	0.10	0.00	0.10
1.15	0.03	0.00	0.03	3.75	0.10	0.00	0.10
1.20	0.03	0.00	0.03	3.80	0.10	0.00	0.10
1.25	0.04	0.00	0.04	3.85	0.10	0.00	0.10
1.30	0.04	0.00	0.04	3.90	0.10	0.00	0.10
1.35	0.04	0.00	0.04	3.95	0.10	0.00	0.10
1.40	0.04	0.00	0.04	4.00	0.10	0.00	0.10
1.45	0.05	0.00	0.05	4.05	0.11	0.00	0.11
1.50	0.05	0.00	0.05	4.10	0.11	0.00	0.11
1.55	0.05	0.00	0.05	4.15	0.11	0.00	0.11
1.60	0.05	0.00	0.05	4.20	0.11	0.00	0.11
1.65	0.06	0.00	0.06	4.25	0.11	0.00	0.11
1.70	0.06	0.00	0.06	4.30	0.11	0.00	0.11
1.75	0.06	0.00	0.06	4.35	0.11	0.00	0.11
1.80	0.06	0.00	0.06	4.40	0.11	0.00	0.11
1.85	0.06	0.00	0.06	4.45	0.11	0.00	0.11
1.90	0.06	0.00	0.06	4.50	0.11	0.00	0.11
1.95	0.07	0.00	0.07	4.55	0.11	0.00	0.11
2.00	0.07	0.00	0.07	4.60	0.11	0.00	0.11
2.05	0.07	0.00	0.07	4.65	0.11	0.00	0.11
2.10	0.07	0.00	0.07	4.70	0.11	0.00	0.11
2.15	0.07	0.00	0.07	4.75	0.11	0.00	0.11
2.20	0.07	0.00	0.07	4.80	0.11	0.00	0.11
2.25	0.07	0.00	0.07	4.85	0.11	0.00	0.11
2.30	0.08	0.00	0.08	4.90	0.12	0.00	0.12
2.35	0.08	0.00	0.08	4.95	0.12	0.00	0.12
2.40	0.08	0.00	0.08	5.00	0.12	0.00	0.12
2.45	0.08	0.00	0.08	5.05	0.12	0.00	0.12
2.50	0.08	0.00	0.08	5.10	0.12	0.00	0.12
2.55	0.08	0.00	0.08	5.15	0.12	0.00	0.12

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.12	0.00	0.12	7.80	1.25	0.00	1.25
5.25	0.12	0.00	0.12	7.85	1.30	0.00	1.30
5.30	0.12	0.00	0.12	7.90	1.36	0.00	1.36
5.35	0.12	0.00	0.12	7.95	1.42	0.00	1.42
5.40	0.12	0.00	0.12	8.00	1.48	0.00	1.48
5.45	0.12	0.00	0.12	8.05	1.54	0.00	1.54
5.50	0.12	0.00	0.12	8.10	1.60	0.00	1.60
5.55	0.12	0.00	0.12	8.15	1.66	0.00	1.66
5.60	0.12	0.00	0.12	8.20	1.73	0.00	1.73
5.65	0.12	0.00	0.12	8.25	1.79	0.00	1.79
5.70	0.12	0.00	0.12	8.30	1.86	0.00	1.86
5.75	0.12	0.00	0.12	8.35	1.93	0.00	1.93
5.80	0.13	0.00	0.13	8.40	2.01	0.00	2.01
5.85	0.13	0.00	0.13	8.45	2.09	0.00	2.09
5.90	0.13	0.00	0.13	8.50	2.16	0.00	2.16
5.95	0.13	0.00	0.13	8.55	2.25	0.00	2.25
6.00	0.13	0.00	0.13	8.60	2.33	0.00	2.33
6.05	0.13	0.00	0.13	8.65	2.43	0.00	2.43
6.10	0.13	0.00	0.13	8.70	2.52	0.00	2.52
6.15	0.13	0.00	0.13	8.75	2.62	0.00	2.62
6.20	0.14	0.00	0.14	8.80	2.71	0.00	2.71
6.25	0.15	0.00	0.15	8.85	2.82	0.00	2.82
6.30	0.16	0.00	0.16	8.90	2.93	0.00	2.93
6.35	0.18	0.00	0.18	8.95	3.04	0.00	3.04
6.40	0.20	0.00	0.20	9.00	3.15	0.00	3.15
6.45	0.22	0.00	0.22	9.05	3.27	0.00	3.27
6.50	0.24	0.00	0.24	9.10	3.39	0.00	3.39
6.55	0.26	0.00	0.26	9.15	3.53	0.00	3.53
6.60	0.29	0.00	0.29	9.20	3.68	0.00	3.68
6.65	0.32	0.00	0.32	9.25	3.83	0.00	3.83
6.70	0.34	0.00	0.34	9.30	4.01	0.00	4.01
6.75	0.37	0.00	0.37	9.35	4.20	0.00	4.20
6.80	0.40	0.00	0.40	9.40	4.40	0.00	4.40
6.85	0.43	0.00	0.43	9.45	4.62	0.00	4.62
6.90	0.46	0.00	0.46	9.50	4.83	0.00	4.83
6.95	0.49	0.00	0.49	9.55	5.07	0.00	5.07
7.00	0.53	0.00	0.53	9.60	5.31	0.00	5.31
7.05	0.56	0.00	0.56	9.65	5.56	0.00	5.56
7.10	0.59	0.00	0.59	9.70	5.81	0.00	5.81
7.15	0.63	0.00	0.63	9.75	6.07	0.00	6.07
7.20	0.67	0.00	0.67	9.80	6.34	0.00	6.34
7.25	0.71	0.00	0.71	9.85	6.61	0.00	6.61
7.30	0.75	0.00	0.75	9.90	6.89	0.00	6.89
7.35	0.80	0.00	0.80	9.95	7.17	0.00	7.17
7.40	0.84	0.00	0.84	10.00	7.46	0.00	7.46
7.45	0.89	0.00	0.89	10.05	7.75	0.00	7.75
7.50	0.94	0.00	0.94	10.10	8.05	0.00	8.05
7.55	0.99	0.00	0.99	10.15	8.35	0.00	8.35
7.60	1.04	0.00	1.04	10.20	8.65	0.00	8.65
7.65	1.09	0.00	1.09	10.25	8.96	0.00	8.96
7.70	1.14	0.00	1.14	10.30	9.28	0.00	9.28
7.75	1.19	0.00	1.19	10.35	9.60	0.00	9.60

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	9.92	0.00	9.92	13.00	85.22	0.00	85.22
10.45	10.25	0.00	10.25	13.05	80.54	0.00	80.54
10.50	10.59	0.00	10.59	13.10	76.40	0.00	76.40
10.55	10.94	0.00	10.94	13.15	72.65	0.00	72.65
10.60	11.32	0.00	11.32	13.20	69.21	0.00	69.21
10.65	11.74	0.00	11.74	13.25	66.07	0.00	66.07
10.70	12.23	0.00	12.23	13.30	63.20	0.00	63.20
10.75	12.78	0.00	12.78	13.35	60.55	0.00	60.55
10.80	13.40	0.00	13.40	13.40	58.09	0.00	58.09
10.85	14.10	0.00	14.10	13.45	55.78	0.00	55.78
10.90	14.87	0.00	14.87	13.50	53.62	0.00	53.62
10.95	15.71	0.00	15.71	13.55	51.60	0.00	51.60
11.00	16.60	0.00	16.60	13.60	49.68	0.00	49.68
11.05	17.55	0.00	17.55	13.65	47.83	0.00	47.83
11.10	18.57	0.00	18.57	13.70	46.05	0.00	46.05
11.15	19.68	0.00	19.68	13.75	44.39	0.00	44.39
11.20	20.89	0.00	20.89	13.80	42.88	0.00	42.88
11.25	22.24	0.00	22.24	13.85	41.53	0.00	41.53
11.30	23.70	0.00	23.70	13.90	40.31	0.00	40.31
11.35	25.28	0.00	25.28	13.95	39.22	0.00	39.22
11.40	26.97	0.00	26.97	14.00	38.22	0.00	38.22
11.45	28.77	0.00	28.77	14.05	37.31	0.00	37.31
11.50	30.65	0.00	30.65	14.10	36.46	0.00	36.46
11.55	32.69	0.00	32.69	14.15	35.65	0.00	35.65
11.60	35.19	0.00	35.19	14.20	34.87	0.00	34.87
11.65	38.46	0.00	38.46	14.25	34.13	0.00	34.13
11.70	42.52	0.00	42.52	14.30	33.40	0.00	33.40
11.75	47.23	0.00	47.23	14.35	32.69	0.00	32.69
11.80	52.71	0.00	52.71	14.40	31.99	0.00	31.99
11.85	58.98	0.00	58.98	14.45	31.30	0.00	31.30
11.90	66.60	0.00	66.60	14.50	30.61	0.00	30.61
11.95	76.39	0.00	76.39	14.55	29.93	0.00	29.93
12.00	89.47	0.00	89.47	14.60	29.26	0.00	29.26
12.05	107.55	0.00	107.55	14.65	28.59	0.00	28.59
12.10	132.83	0.00	132.83	14.70	27.92	0.00	27.92
12.15	165.47	0.00	165.47	14.75	27.24	0.00	27.24
12.20	199.67	0.00	199.67	14.80	26.57	0.00	26.57
12.25	225.92	0.00	225.92	14.85	25.91	0.00	25.91
12.30	239.35	0.00	239.35	14.90	25.24	0.00	25.24
12.35	**240.18**	0.00	**240.18**	14.95	24.58	0.00	24.58
12.40	233.85	0.00	233.85	15.00	23.91	0.00	23.91
12.45	223.14	0.00	223.14	15.05	23.22	0.00	23.22
12.50	207.38	0.00	207.38	15.10	22.45	0.00	22.45
12.55	188.98	0.00	188.98	15.15	21.57	0.00	21.57
12.60	170.73	0.00	170.73	15.20	20.77	0.00	20.77
12.65	154.20	0.00	154.20	15.25	20.04	0.00	20.04
12.70	139.25	0.00	139.25	15.30	19.40	0.00	19.40
12.75	126.09	0.00	126.09	15.35	18.82	0.00	18.82
12.80	114.72	0.00	114.72	15.40	18.32	0.00	18.32
12.85	105.12	0.00	105.12	15.45	17.87	0.00	17.87
12.90	97.10	0.00	97.10	15.50	17.48	0.00	17.48
12.95	90.68	0.00	90.68	15.55	17.12	0.00	17.12

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	16.80	0.00	16.80	18.20	9.59	0.00	9.59
15.65	16.51	0.00	16.51	18.25	9.49	0.00	9.49
15.70	16.24	0.00	16.24	18.30	9.40	0.00	9.40
15.75	15.99	0.00	15.99	18.35	9.32	0.00	9.32
15.80	15.76	0.00	15.76	18.40	9.24	0.00	9.24
15.85	15.54	0.00	15.54	18.45	9.17	0.00	9.17
15.90	15.34	0.00	15.34	18.50	9.11	0.00	9.11
15.95	15.14	0.00	15.14	18.55	9.06	0.00	9.06
16.00	14.96	0.00	14.96	18.60	9.01	0.00	9.01
16.05	14.78	0.00	14.78	18.65	8.96	0.00	8.96
16.10	14.62	0.00	14.62	18.70	8.92	0.00	8.92
16.15	14.46	0.00	14.46	18.75	8.87	0.00	8.87
16.20	14.30	0.00	14.30	18.80	8.83	0.00	8.83
16.25	14.16	0.00	14.16	18.85	8.79	0.00	8.79
16.30	14.01	0.00	14.01	18.90	8.75	0.00	8.75
16.35	13.87	0.00	13.87	18.95	8.72	0.00	8.72
16.40	13.72	0.00	13.72	19.00	8.68	0.00	8.68
16.45	13.59	0.00	13.59	19.05	8.65	0.00	8.65
16.50	13.45	0.00	13.45	19.10	8.61	0.00	8.61
16.55	13.32	0.00	13.32	19.15	8.58	0.00	8.58
16.60	13.19	0.00	13.19	19.20	8.54	0.00	8.54
16.65	13.06	0.00	13.06	19.25	8.51	0.00	8.51
16.70	12.94	0.00	12.94	19.30	8.48	0.00	8.48
16.75	12.82	0.00	12.82	19.35	8.45	0.00	8.45
16.80	12.70	0.00	12.70	19.40	8.42	0.00	8.42
16.85	12.58	0.00	12.58	19.45	8.39	0.00	8.39
16.90	12.45	0.00	12.45	19.50	8.36	0.00	8.36
16.95	12.33	0.00	12.33	19.55	8.33	0.00	8.33
17.00	12.22	0.00	12.22	19.60	8.30	0.00	8.30
17.05	12.10	0.00	12.10	19.65	8.27	0.00	8.27
17.10	11.99	0.00	11.99	19.70	8.24	0.00	8.24
17.15	11.87	0.00	11.87	19.75	8.21	0.00	8.21
17.20	11.76	0.00	11.76	19.80	8.18	0.00	8.18
17.25	11.65	0.00	11.65	19.85	8.16	0.00	8.16
17.30	11.54	0.00	11.54	19.90	8.13	0.00	8.13
17.35	11.42	0.00	11.42	19.95	8.11	0.00	8.11
17.40	11.31	0.00	11.31	20.00	8.08	0.00	8.08
17.45	11.20	0.00	11.20	20.05	8.05	0.00	8.05
17.50	11.09	0.00	11.09	20.10	8.02	0.00	8.02
17.55	10.98	0.00	10.98	20.15	7.99	0.00	7.99
17.60	10.87	0.00	10.87	20.20	7.96	0.00	7.96
17.65	10.76	0.00	10.76	20.25	7.94	0.00	7.94
17.70	10.65	0.00	10.65	20.30	7.91	0.00	7.91
17.75	10.55	0.00	10.55	20.35	7.88	0.00	7.88
17.80	10.44	0.00	10.44	20.40	7.85	0.00	7.85
17.85	10.33	0.00	10.33	20.45	7.82	0.00	7.82
17.90	10.23	0.00	10.23	20.50	7.80	0.00	7.80
17.95	10.12	0.00	10.12	20.55	7.77	0.00	7.77
18.00	10.01	0.00	10.01	20.60	7.74	0.00	7.74
18.05	9.90	0.00	9.90	20.65	7.72	0.00	7.72
18.10	9.79	0.00	9.79	20.70	7.70	0.00	7.70
18.15	9.69	0.00	9.69	20.75	7.67	0.00	7.67

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	7.65	0.00	7.65	23.40	6.29	0.00	6.29
20.85	7.62	0.00	7.62	23.45	6.26	0.00	6.26
20.90	7.59	0.00	7.59	23.50	6.24	0.00	6.24
20.95	7.56	0.00	7.56	23.55	6.21	0.00	6.21
21.00	7.54	0.00	7.54	23.60	6.19	0.00	6.19
21.05	7.51	0.00	7.51	23.65	6.16	0.00	6.16
21.10	7.48	0.00	7.48	23.70	6.14	0.00	6.14
21.15	7.45	0.00	7.45	23.75	6.11	0.00	6.11
21.20	7.43	0.00	7.43	23.80	6.09	0.00	6.09
21.25	7.40	0.00	7.40	23.85	6.06	0.00	6.06
21.30	7.37	0.00	7.37	23.90	6.04	0.00	6.04
21.35	7.35	0.00	7.35	23.95	6.01	0.00	6.01
21.40	7.33	0.00	7.33	24.00	6.01	0.00	6.01
21.45	7.30	0.00	7.30	24.05	6.04	0.00	6.04
21.50	7.28	0.00	7.28	24.10	5.98	0.00	5.98
21.55	7.25	0.00	7.25	24.15	5.74	0.00	5.74
21.60	7.22	0.00	7.22	24.20	5.31	0.00	5.31
21.65	7.20	0.00	7.20	24.25	4.77	0.00	4.77
21.70	7.17	0.00	7.17	24.30	4.20	0.00	4.20
21.75	7.14	0.00	7.14	24.35	3.65	0.00	3.65
21.80	7.12	0.00	7.12	24.40	3.15	0.00	3.15
21.85	7.09	0.00	7.09	24.45	2.71	0.00	2.71
21.90	7.07	0.00	7.07	24.50	2.36	0.00	2.36
21.95	7.04	0.00	7.04	24.55	2.09	0.00	2.09
22.00	7.02	0.00	7.02	24.60	1.89	0.00	1.89
22.05	6.99	0.00	6.99	24.65	1.73	0.00	1.73
22.10	6.96	0.00	6.96	24.70	1.60	0.00	1.60
22.15	6.94	0.00	6.94	24.75	1.50	0.00	1.50
22.20	6.91	0.00	6.91	24.80	1.41	0.00	1.41
22.25	6.88	0.00	6.88	24.85	1.34	0.00	1.34
22.30	6.86	0.00	6.86	24.90	1.28	0.00	1.28
22.35	6.83	0.00	6.83	24.95	1.23	0.00	1.23
22.40	6.81	0.00	6.81	25.00	1.18	0.00	1.18
22.45	6.78	0.00	6.78	25.05	1.14	0.00	1.14
22.50	6.76	0.00	6.76	25.10	1.10	0.00	1.10
22.55	6.73	0.00	6.73	25.15	1.07	0.00	1.07
22.60	6.70	0.00	6.70	25.20	1.04	0.00	1.04
22.65	6.68	0.00	6.68	25.25	1.02	0.00	1.02
22.70	6.65	0.00	6.65	25.30	0.99	0.00	0.99
22.75	6.63	0.00	6.63	25.35	0.97	0.00	0.97
22.80	6.60	0.00	6.60	25.40	0.95	0.00	0.95
22.85	6.58	0.00	6.58	25.45	0.93	0.00	0.93
22.90	6.55	0.00	6.55	25.50	0.91	0.00	0.91
22.95	6.52	0.00	6.52	25.55	0.89	0.00	0.89
23.00	6.49	0.00	6.49	25.60	0.87	0.00	0.87
23.05	6.47	0.00	6.47	25.65	0.86	0.00	0.86
23.10	6.45	0.00	6.45	25.70	0.84	0.00	0.84
23.15	6.42	0.00	6.42	25.75	0.83	0.00	0.83
23.20	6.40	0.00	6.40	25.80	0.81	0.00	0.81
23.25	6.37	0.00	6.37	25.85	0.80	0.00	0.80
23.30	6.34	0.00	6.34	25.90	0.78	0.00	0.78
23.35	6.31	0.00	6.31	25.95	0.77	0.00	0.77

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.75	0.00	0.75	28.60	0.43	0.00	0.43
26.05	0.74	0.00	0.74	28.65	0.43	0.00	0.43
26.10	0.73	0.00	0.73	28.70	0.43	0.00	0.43
26.15	0.72	0.00	0.72	28.75	0.42	0.00	0.42
26.20	0.71	0.00	0.71	28.80	0.42	0.00	0.42
26.25	0.70	0.00	0.70	28.85	0.42	0.00	0.42
26.30	0.69	0.00	0.69	28.90	0.41	0.00	0.41
26.35	0.68	0.00	0.68	28.95	0.41	0.00	0.41
26.40	0.67	0.00	0.67	29.00	0.41	0.00	0.41
26.45	0.66	0.00	0.66	29.05	0.40	0.00	0.40
26.50	0.66	0.00	0.66	29.10	0.40	0.00	0.40
26.55	0.65	0.00	0.65	29.15	0.40	0.00	0.40
26.60	0.64	0.00	0.64	29.20	0.39	0.00	0.39
26.65	0.63	0.00	0.63	29.25	0.39	0.00	0.39
26.70	0.62	0.00	0.62	29.30	0.39	0.00	0.39
26.75	0.62	0.00	0.62	29.35	0.39	0.00	0.39
26.80	0.61	0.00	0.61	29.40	0.38	0.00	0.38
26.85	0.60	0.00	0.60	29.45	0.38	0.00	0.38
26.90	0.59	0.00	0.59	29.50	0.38	0.00	0.38
26.95	0.59	0.00	0.59	29.55	0.37	0.00	0.37
27.00	0.58	0.00	0.58	29.60	0.37	0.00	0.37
27.05	0.57	0.00	0.57	29.65	0.37	0.00	0.37
27.10	0.57	0.00	0.57	29.70	0.36	0.00	0.36
27.15	0.56	0.00	0.56	29.75	0.36	0.00	0.36
27.20	0.56	0.00	0.56	29.80	0.36	0.00	0.36
27.25	0.55	0.00	0.55	29.85	0.36	0.00	0.36
27.30	0.54	0.00	0.54	29.90	0.35	0.00	0.35
27.35	0.54	0.00	0.54	29.95	0.35	0.00	0.35
27.40	0.53	0.00	0.53	30.00	0.35	0.00	0.35
27.45	0.53	0.00	0.53	30.05	0.34	0.00	0.34
27.50	0.52	0.00	0.52	30.10	0.34	0.00	0.34
27.55	0.52	0.00	0.52	30.15	0.34	0.00	0.34
27.60	0.51	0.00	0.51	30.20	0.34	0.00	0.34
27.65	0.51	0.00	0.51	30.25	0.33	0.00	0.33
27.70	0.50	0.00	0.50	30.30	0.33	0.00	0.33
27.75	0.50	0.00	0.50	30.35	0.33	0.00	0.33
27.80	0.49	0.00	0.49	30.40	0.33	0.00	0.33
27.85	0.49	0.00	0.49	30.45	0.32	0.00	0.32
27.90	0.48	0.00	0.48	30.50	0.32	0.00	0.32
27.95	0.48	0.00	0.48	30.55	0.32	0.00	0.32
28.00	0.47	0.00	0.47	30.60	0.31	0.00	0.31
28.05	0.47	0.00	0.47	30.65	0.31	0.00	0.31
28.10	0.47	0.00	0.47	30.70	0.31	0.00	0.31
28.15	0.46	0.00	0.46	30.75	0.31	0.00	0.31
28.20	0.46	0.00	0.46	30.80	0.31	0.00	0.31
28.25	0.46	0.00	0.46	30.85	0.30	0.00	0.30
28.30	0.45	0.00	0.45	30.90	0.30	0.00	0.30
28.35	0.45	0.00	0.45	30.95	0.30	0.00	0.30
28.40	0.45	0.00	0.45	31.00	0.30	0.00	0.30
28.45	0.44	0.00	0.44	31.05	0.29	0.00	0.29
28.50	0.44	0.00	0.44	31.10	0.29	0.00	0.29
28.55	0.44	0.00	0.44	31.15	0.29	0.00	0.29

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.29	0.00	0.29	33.80	0.22	0.00	0.22
31.25	0.28	0.00	0.28	33.85	0.22	0.00	0.22
31.30	0.28	0.00	0.28	33.90	0.21	0.00	0.21
31.35	0.28	0.00	0.28	33.95	0.21	0.00	0.21
31.40	0.28	0.00	0.28	34.00	0.21	0.00	0.21
31.45	0.28	0.00	0.28	34.05	0.21	0.00	0.21
31.50	0.27	0.00	0.27	34.10	0.21	0.00	0.21
31.55	0.27	0.00	0.27	34.15	0.21	0.00	0.21
31.60	0.27	0.00	0.27	34.20	0.21	0.00	0.21
31.65	0.27	0.00	0.27	34.25	0.21	0.00	0.21
31.70	0.27	0.00	0.27	34.30	0.21	0.00	0.21
31.75	0.26	0.00	0.26	34.35	0.21	0.00	0.21
31.80	0.26	0.00	0.26	34.40	0.21	0.00	0.21
31.85	0.26	0.00	0.26	34.45	0.20	0.00	0.20
31.90	0.26	0.00	0.26	34.50	0.20	0.00	0.20
31.95	0.26	0.00	0.26	34.55	0.20	0.00	0.20
32.00	0.26	0.00	0.26	34.60	0.20	0.00	0.20
32.05	0.26	0.00	0.26	34.65	0.20	0.00	0.20
32.10	0.25	0.00	0.25	34.70	0.20	0.00	0.20
32.15	0.25	0.00	0.25	34.75	0.20	0.00	0.20
32.20	0.25	0.00	0.25	34.80	0.20	0.00	0.20
32.25	0.25	0.00	0.25	34.85	0.20	0.00	0.20
32.30	0.25	0.00	0.25	34.90	0.20	0.00	0.20
32.35	0.25	0.00	0.25	34.95	0.20	0.00	0.20
32.40	0.25	0.00	0.25	35.00	0.20	0.00	0.20
32.45	0.24	0.00	0.24	35.05	0.19	0.00	0.19
32.50	0.24	0.00	0.24	35.10	0.19	0.00	0.19
32.55	0.24	0.00	0.24	35.15	0.19	0.00	0.19
32.60	0.24	0.00	0.24	35.20	0.19	0.00	0.19
32.65	0.24	0.00	0.24	35.25	0.19	0.00	0.19
32.70	0.24	0.00	0.24	35.30	0.19	0.00	0.19
32.75	0.24	0.00	0.24	35.35	0.19	0.00	0.19
32.80	0.24	0.00	0.24	35.40	0.19	0.00	0.19
32.85	0.24	0.00	0.24	35.45	0.19	0.00	0.19
32.90	0.23	0.00	0.23	35.50	0.19	0.00	0.19
32.95	0.23	0.00	0.23	35.55	0.19	0.00	0.19
33.00	0.23	0.00	0.23	35.60	0.19	0.00	0.19
33.05	0.23	0.00	0.23	35.65	0.19	0.00	0.19
33.10	0.23	0.00	0.23	35.70	0.18	0.00	0.18
33.15	0.23	0.00	0.23	35.75	0.18	0.00	0.18
33.20	0.23	0.00	0.23	35.80	0.18	0.00	0.18
33.25	0.23	0.00	0.23	35.85	0.18	0.00	0.18
33.30	0.23	0.00	0.23	35.90	0.18	0.00	0.18
33.35	0.23	0.00	0.23	35.95	0.18	0.00	0.18
33.40	0.22	0.00	0.22	36.00	0.18	0.00	0.18
33.45	0.22	0.00	0.22	36.05	0.18	0.00	0.18
33.50	0.22	0.00	0.22	36.10	0.18	0.00	0.18
33.55	0.22	0.00	0.22	36.15	0.18	0.00	0.18
33.60	0.22	0.00	0.22	36.20	0.18	0.00	0.18
33.65	0.22	0.00	0.22	36.25	0.18	0.00	0.18
33.70	0.22	0.00	0.22	36.30	0.18	0.00	0.18
33.75	0.22	0.00	0.22	36.35	0.18	0.00	0.18

Hydrograph for Link PDA-6: Proposed Drainage Area #6 (continued)

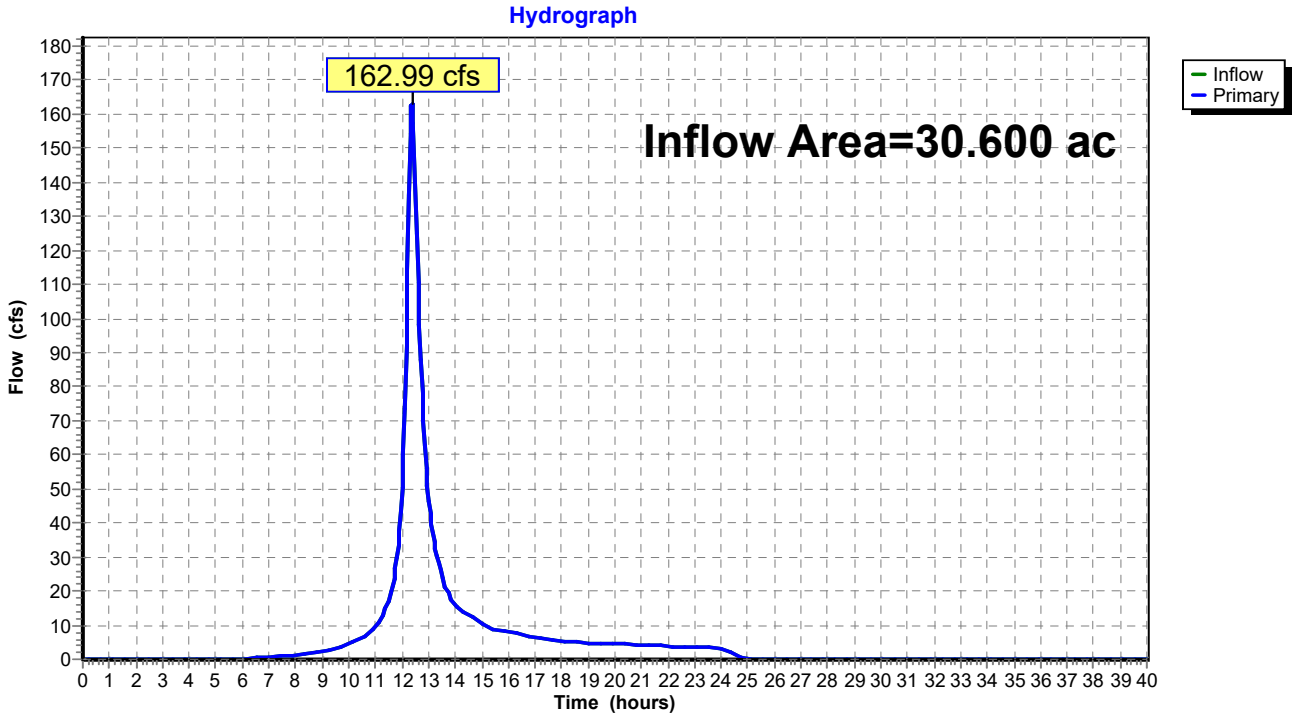
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.17	0.00	0.17
36.45	0.17	0.00	0.17
36.50	0.17	0.00	0.17
36.55	0.17	0.00	0.17
36.60	0.17	0.00	0.17
36.65	0.17	0.00	0.17
36.70	0.17	0.00	0.17
36.75	0.17	0.00	0.17
36.80	0.17	0.00	0.17
36.85	0.17	0.00	0.17
36.90	0.17	0.00	0.17
36.95	0.17	0.00	0.17
37.00	0.17	0.00	0.17
37.05	0.17	0.00	0.17
37.10	0.17	0.00	0.17
37.15	0.16	0.00	0.16
37.20	0.16	0.00	0.16
37.25	0.16	0.00	0.16
37.30	0.16	0.00	0.16
37.35	0.16	0.00	0.16
37.40	0.16	0.00	0.16
37.45	0.16	0.00	0.16
37.50	0.16	0.00	0.16
37.55	0.16	0.00	0.16
37.60	0.16	0.00	0.16
37.65	0.16	0.00	0.16
37.70	0.16	0.00	0.16
37.75	0.16	0.00	0.16
37.80	0.16	0.00	0.16
37.85	0.16	0.00	0.16
37.90	0.16	0.00	0.16
37.95	0.15	0.00	0.15
38.00	0.15	0.00	0.15
38.05	0.15	0.00	0.15
38.10	0.15	0.00	0.15
38.15	0.15	0.00	0.15
38.20	0.15	0.00	0.15
38.25	0.15	0.00	0.15
38.30	0.15	0.00	0.15
38.35	0.15	0.00	0.15
38.40	0.15	0.00	0.15
38.45	0.15	0.00	0.15
38.50	0.15	0.00	0.15
38.55	0.15	0.00	0.15
38.60	0.15	0.00	0.15
38.65	0.15	0.00	0.15
38.70	0.15	0.00	0.15
38.75	0.15	0.00	0.15
38.80	0.14	0.00	0.14
38.85	0.14	0.00	0.14
38.90	0.14	0.00	0.14
38.95	0.14	0.00	0.14
39.00	0.14	0.00	0.14
39.05	0.14	0.00	0.14
39.10	0.14	0.00	0.14
39.15	0.14	0.00	0.14
39.20	0.14	0.00	0.14
39.25	0.14	0.00	0.14
39.30	0.14	0.00	0.14
39.35	0.14	0.00	0.14
39.40	0.14	0.00	0.14
39.45	0.14	0.00	0.14
39.50	0.14	0.00	0.14
39.55	0.14	0.00	0.14
39.60	0.14	0.00	0.14
39.65	0.14	0.00	0.14
39.70	0.14	0.00	0.14
39.75	0.13	0.00	0.13
39.80	0.13	0.00	0.13
39.85	0.13	0.00	0.13
39.90	0.13	0.00	0.13
39.95	0.13	0.00	0.13
40.00	0.13	0.00	0.13

Summary for Link PDA-6OF: Proposed Offsite Drainage Area #6

Inflow Area = 30.600 ac, 2.48% Impervious, Inflow Depth = 7.26" for Future 100 yr event
Inflow = 162.99 cfs @ 12.37 hrs, Volume= 18.505 af
Primary = 162.99 cfs @ 12.37 hrs, Volume= 18.505 af, Atten= 0%, Lag= 0.0 min
Routed to Link PDA-6 : Proposed Drainage Area #6

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link PDA-6OF: Proposed Offsite Drainage Area #6



Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.08	0.00	0.08
0.05	0.00	0.00	0.00	2.65	0.08	0.00	0.08
0.10	0.00	0.00	0.00	2.70	0.08	0.00	0.08
0.15	0.00	0.00	0.00	2.75	0.08	0.00	0.08
0.20	0.00	0.00	0.00	2.80	0.09	0.00	0.09
0.25	0.00	0.00	0.00	2.85	0.09	0.00	0.09
0.30	0.00	0.00	0.00	2.90	0.09	0.00	0.09
0.35	0.00	0.00	0.00	2.95	0.09	0.00	0.09
0.40	0.00	0.00	0.00	3.00	0.09	0.00	0.09
0.45	0.00	0.00	0.00	3.05	0.09	0.00	0.09
0.50	0.00	0.00	0.00	3.10	0.09	0.00	0.09
0.55	0.00	0.00	0.00	3.15	0.09	0.00	0.09
0.60	0.00	0.00	0.00	3.20	0.09	0.00	0.09
0.65	0.00	0.00	0.00	3.25	0.09	0.00	0.09
0.70	0.00	0.00	0.00	3.30	0.09	0.00	0.09
0.75	0.01	0.00	0.01	3.35	0.10	0.00	0.10
0.80	0.01	0.00	0.01	3.40	0.10	0.00	0.10
0.85	0.01	0.00	0.01	3.45	0.10	0.00	0.10
0.90	0.02	0.00	0.02	3.50	0.10	0.00	0.10
0.95	0.02	0.00	0.02	3.55	0.10	0.00	0.10
1.00	0.02	0.00	0.02	3.60	0.10	0.00	0.10
1.05	0.03	0.00	0.03	3.65	0.10	0.00	0.10
1.10	0.03	0.00	0.03	3.70	0.10	0.00	0.10
1.15	0.03	0.00	0.03	3.75	0.10	0.00	0.10
1.20	0.03	0.00	0.03	3.80	0.10	0.00	0.10
1.25	0.04	0.00	0.04	3.85	0.10	0.00	0.10
1.30	0.04	0.00	0.04	3.90	0.10	0.00	0.10
1.35	0.04	0.00	0.04	3.95	0.10	0.00	0.10
1.40	0.04	0.00	0.04	4.00	0.10	0.00	0.10
1.45	0.05	0.00	0.05	4.05	0.11	0.00	0.11
1.50	0.05	0.00	0.05	4.10	0.11	0.00	0.11
1.55	0.05	0.00	0.05	4.15	0.11	0.00	0.11
1.60	0.05	0.00	0.05	4.20	0.11	0.00	0.11
1.65	0.06	0.00	0.06	4.25	0.11	0.00	0.11
1.70	0.06	0.00	0.06	4.30	0.11	0.00	0.11
1.75	0.06	0.00	0.06	4.35	0.11	0.00	0.11
1.80	0.06	0.00	0.06	4.40	0.11	0.00	0.11
1.85	0.06	0.00	0.06	4.45	0.11	0.00	0.11
1.90	0.06	0.00	0.06	4.50	0.11	0.00	0.11
1.95	0.07	0.00	0.07	4.55	0.11	0.00	0.11
2.00	0.07	0.00	0.07	4.60	0.11	0.00	0.11
2.05	0.07	0.00	0.07	4.65	0.11	0.00	0.11
2.10	0.07	0.00	0.07	4.70	0.11	0.00	0.11
2.15	0.07	0.00	0.07	4.75	0.11	0.00	0.11
2.20	0.07	0.00	0.07	4.80	0.11	0.00	0.11
2.25	0.07	0.00	0.07	4.85	0.11	0.00	0.11
2.30	0.08	0.00	0.08	4.90	0.12	0.00	0.12
2.35	0.08	0.00	0.08	4.95	0.12	0.00	0.12
2.40	0.08	0.00	0.08	5.00	0.12	0.00	0.12
2.45	0.08	0.00	0.08	5.05	0.12	0.00	0.12
2.50	0.08	0.00	0.08	5.10	0.12	0.00	0.12
2.55	0.08	0.00	0.08	5.15	0.12	0.00	0.12

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.12	0.00	0.12	7.80	1.14	0.00	1.14
5.25	0.12	0.00	0.12	7.85	1.18	0.00	1.18
5.30	0.12	0.00	0.12	7.90	1.22	0.00	1.22
5.35	0.12	0.00	0.12	7.95	1.27	0.00	1.27
5.40	0.12	0.00	0.12	8.00	1.31	0.00	1.31
5.45	0.12	0.00	0.12	8.05	1.36	0.00	1.36
5.50	0.12	0.00	0.12	8.10	1.41	0.00	1.41
5.55	0.12	0.00	0.12	8.15	1.46	0.00	1.46
5.60	0.12	0.00	0.12	8.20	1.50	0.00	1.50
5.65	0.12	0.00	0.12	8.25	1.55	0.00	1.55
5.70	0.12	0.00	0.12	8.30	1.60	0.00	1.60
5.75	0.12	0.00	0.12	8.35	1.65	0.00	1.65
5.80	0.13	0.00	0.13	8.40	1.70	0.00	1.70
5.85	0.13	0.00	0.13	8.45	1.75	0.00	1.75
5.90	0.13	0.00	0.13	8.50	1.80	0.00	1.80
5.95	0.13	0.00	0.13	8.55	1.86	0.00	1.86
6.00	0.13	0.00	0.13	8.60	1.91	0.00	1.91
6.05	0.13	0.00	0.13	8.65	1.96	0.00	1.96
6.10	0.13	0.00	0.13	8.70	2.02	0.00	2.02
6.15	0.13	0.00	0.13	8.75	2.07	0.00	2.07
6.20	0.14	0.00	0.14	8.80	2.13	0.00	2.13
6.25	0.15	0.00	0.15	8.85	2.18	0.00	2.18
6.30	0.16	0.00	0.16	8.90	2.24	0.00	2.24
6.35	0.18	0.00	0.18	8.95	2.30	0.00	2.30
6.40	0.20	0.00	0.20	9.00	2.35	0.00	2.35
6.45	0.22	0.00	0.22	9.05	2.41	0.00	2.41
6.50	0.24	0.00	0.24	9.10	2.47	0.00	2.47
6.55	0.26	0.00	0.26	9.15	2.53	0.00	2.53
6.60	0.29	0.00	0.29	9.20	2.60	0.00	2.60
6.65	0.32	0.00	0.32	9.25	2.68	0.00	2.68
6.70	0.34	0.00	0.34	9.30	2.76	0.00	2.76
6.75	0.37	0.00	0.37	9.35	2.85	0.00	2.85
6.80	0.40	0.00	0.40	9.40	2.95	0.00	2.95
6.85	0.43	0.00	0.43	9.45	3.06	0.00	3.06
6.90	0.46	0.00	0.46	9.50	3.17	0.00	3.17
6.95	0.49	0.00	0.49	9.55	3.29	0.00	3.29
7.00	0.53	0.00	0.53	9.60	3.42	0.00	3.42
7.05	0.56	0.00	0.56	9.65	3.55	0.00	3.55
7.10	0.59	0.00	0.59	9.70	3.68	0.00	3.68
7.15	0.63	0.00	0.63	9.75	3.82	0.00	3.82
7.20	0.66	0.00	0.66	9.80	3.95	0.00	3.95
7.25	0.70	0.00	0.70	9.85	4.10	0.00	4.10
7.30	0.73	0.00	0.73	9.90	4.25	0.00	4.25
7.35	0.77	0.00	0.77	9.95	4.40	0.00	4.40
7.40	0.81	0.00	0.81	10.00	4.55	0.00	4.55
7.45	0.85	0.00	0.85	10.05	4.71	0.00	4.71
7.50	0.89	0.00	0.89	10.10	4.87	0.00	4.87
7.55	0.93	0.00	0.93	10.15	5.03	0.00	5.03
7.60	0.97	0.00	0.97	10.20	5.20	0.00	5.20
7.65	1.01	0.00	1.01	10.25	5.37	0.00	5.37
7.70	1.05	0.00	1.05	10.30	5.54	0.00	5.54
7.75	1.09	0.00	1.09	10.35	5.72	0.00	5.72

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	5.90	0.00	5.90	13.00	46.49	0.00	46.49
10.45	6.08	0.00	6.08	13.05	42.80	0.00	42.80
10.50	6.26	0.00	6.26	13.10	39.64	0.00	39.64
10.55	6.45	0.00	6.45	13.15	36.87	0.00	36.87
10.60	6.65	0.00	6.65	13.20	34.41	0.00	34.41
10.65	6.87	0.00	6.87	13.25	32.20	0.00	32.20
10.70	7.11	0.00	7.11	13.30	30.21	0.00	30.21
10.75	7.40	0.00	7.40	13.35	28.42	0.00	28.42
10.80	7.74	0.00	7.74	13.40	26.80	0.00	26.80
10.85	8.12	0.00	8.12	13.45	25.34	0.00	25.34
10.90	8.55	0.00	8.55	13.50	24.01	0.00	24.01
10.95	9.02	0.00	9.02	13.55	22.82	0.00	22.82
11.00	9.53	0.00	9.53	13.60	21.75	0.00	21.75
11.05	10.07	0.00	10.07	13.65	20.74	0.00	20.74
11.10	10.64	0.00	10.64	13.70	19.79	0.00	19.79
11.15	11.26	0.00	11.26	13.75	18.90	0.00	18.90
11.20	11.94	0.00	11.94	13.80	18.08	0.00	18.08
11.25	12.69	0.00	12.69	13.85	17.35	0.00	17.35
11.30	13.53	0.00	13.53	13.90	16.71	0.00	16.71
11.35	14.45	0.00	14.45	13.95	16.17	0.00	16.17
11.40	15.44	0.00	15.44	14.00	15.70	0.00	15.70
11.45	16.51	0.00	16.51	14.05	15.29	0.00	15.29
11.50	17.63	0.00	17.63	14.10	14.93	0.00	14.93
11.55	18.83	0.00	18.83	14.15	14.61	0.00	14.61
11.60	20.18	0.00	20.18	14.20	14.31	0.00	14.31
11.65	21.82	0.00	21.82	14.25	14.04	0.00	14.04
11.70	23.90	0.00	23.90	14.30	13.77	0.00	13.77
11.75	26.49	0.00	26.49	14.35	13.52	0.00	13.52
11.80	29.59	0.00	29.59	14.40	13.28	0.00	13.28
11.85	33.24	0.00	33.24	14.45	13.04	0.00	13.04
11.90	37.61	0.00	37.61	14.50	12.80	0.00	12.80
11.95	43.12	0.00	43.12	14.55	12.57	0.00	12.57
12.00	50.31	0.00	50.31	14.60	12.35	0.00	12.35
12.05	59.92	0.00	59.92	14.65	12.12	0.00	12.12
12.10	73.45	0.00	73.45	14.70	11.90	0.00	11.90
12.15	91.79	0.00	91.79	14.75	11.67	0.00	11.67
12.20	113.92	0.00	113.92	14.80	11.45	0.00	11.45
12.25	136.40	0.00	136.40	14.85	11.22	0.00	11.22
12.30	154.06	0.00	154.06	14.90	11.00	0.00	11.00
12.35	**162.32**	0.00	**162.32**	14.95	10.78	0.00	10.78
12.40	161.17	0.00	161.17	15.00	10.56	0.00	10.56
12.45	153.02	0.00	153.02	15.05	10.33	0.00	10.33
12.50	140.06	0.00	140.06	15.10	10.11	0.00	10.11
12.55	125.05	0.00	125.05	15.15	9.89	0.00	9.89
12.60	110.66	0.00	110.66	15.20	9.66	0.00	9.66
12.65	98.44	0.00	98.44	15.25	9.45	0.00	9.45
12.70	87.80	0.00	87.80	15.30	9.25	0.00	9.25
12.75	78.29	0.00	78.29	15.35	9.07	0.00	9.07
12.80	69.84	0.00	69.84	15.40	8.91	0.00	8.91
12.85	62.56	0.00	62.56	15.45	8.77	0.00	8.77
12.90	56.29	0.00	56.29	15.50	8.65	0.00	8.65
12.95	50.96	0.00	50.96	15.55	8.54	0.00	8.54

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	8.45	0.00	8.45	18.20	5.26	0.00	5.26
15.65	8.37	0.00	8.37	18.25	5.21	0.00	5.21
15.70	8.29	0.00	8.29	18.30	5.15	0.00	5.15
15.75	8.22	0.00	8.22	18.35	5.10	0.00	5.10
15.80	8.15	0.00	8.15	18.40	5.06	0.00	5.06
15.85	8.08	0.00	8.08	18.45	5.02	0.00	5.02
15.90	8.01	0.00	8.01	18.50	4.99	0.00	4.99
15.95	7.95	0.00	7.95	18.55	4.96	0.00	4.96
16.00	7.89	0.00	7.89	18.60	4.94	0.00	4.94
16.05	7.83	0.00	7.83	18.65	4.92	0.00	4.92
16.10	7.77	0.00	7.77	18.70	4.90	0.00	4.90
16.15	7.71	0.00	7.71	18.75	4.88	0.00	4.88
16.20	7.65	0.00	7.65	18.80	4.86	0.00	4.86
16.25	7.59	0.00	7.59	18.85	4.84	0.00	4.84
16.30	7.53	0.00	7.53	18.90	4.83	0.00	4.83
16.35	7.47	0.00	7.47	18.95	4.81	0.00	4.81
16.40	7.41	0.00	7.41	19.00	4.80	0.00	4.80
16.45	7.35	0.00	7.35	19.05	4.78	0.00	4.78
16.50	7.29	0.00	7.29	19.10	4.76	0.00	4.76
16.55	7.23	0.00	7.23	19.15	4.75	0.00	4.75
16.60	7.17	0.00	7.17	19.20	4.73	0.00	4.73
16.65	7.11	0.00	7.11	19.25	4.72	0.00	4.72
16.70	7.05	0.00	7.05	19.30	4.70	0.00	4.70
16.75	7.00	0.00	7.00	19.35	4.69	0.00	4.69
16.80	6.94	0.00	6.94	19.40	4.67	0.00	4.67
16.85	6.88	0.00	6.88	19.45	4.66	0.00	4.66
16.90	6.82	0.00	6.82	19.50	4.64	0.00	4.64
16.95	6.76	0.00	6.76	19.55	4.63	0.00	4.63
17.00	6.70	0.00	6.70	19.60	4.62	0.00	4.62
17.05	6.64	0.00	6.64	19.65	4.60	0.00	4.60
17.10	6.58	0.00	6.58	19.70	4.59	0.00	4.59
17.15	6.52	0.00	6.52	19.75	4.57	0.00	4.57
17.20	6.46	0.00	6.46	19.80	4.56	0.00	4.56
17.25	6.40	0.00	6.40	19.85	4.54	0.00	4.54
17.30	6.35	0.00	6.35	19.90	4.53	0.00	4.53
17.35	6.28	0.00	6.28	19.95	4.52	0.00	4.52
17.40	6.22	0.00	6.22	20.00	4.50	0.00	4.50
17.45	6.16	0.00	6.16	20.05	4.49	0.00	4.49
17.50	6.10	0.00	6.10	20.10	4.47	0.00	4.47
17.55	6.04	0.00	6.04	20.15	4.46	0.00	4.46
17.60	5.98	0.00	5.98	20.20	4.44	0.00	4.44
17.65	5.92	0.00	5.92	20.25	4.43	0.00	4.43
17.70	5.86	0.00	5.86	20.30	4.41	0.00	4.41
17.75	5.80	0.00	5.80	20.35	4.39	0.00	4.39
17.80	5.74	0.00	5.74	20.40	4.38	0.00	4.38
17.85	5.69	0.00	5.69	20.45	4.36	0.00	4.36
17.90	5.63	0.00	5.63	20.50	4.35	0.00	4.35
17.95	5.56	0.00	5.56	20.55	4.33	0.00	4.33
18.00	5.50	0.00	5.50	20.60	4.32	0.00	4.32
18.05	5.44	0.00	5.44	20.65	4.30	0.00	4.30
18.10	5.38	0.00	5.38	20.70	4.29	0.00	4.29
18.15	5.32	0.00	5.32	20.75	4.28	0.00	4.28

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	4.26	0.00	4.26	23.40	3.48	0.00	3.48
20.85	4.25	0.00	4.25	23.45	3.46	0.00	3.46
20.90	4.23	0.00	4.23	23.50	3.45	0.00	3.45
20.95	4.22	0.00	4.22	23.55	3.43	0.00	3.43
21.00	4.20	0.00	4.20	23.60	3.42	0.00	3.42
21.05	4.19	0.00	4.19	23.65	3.40	0.00	3.40
21.10	4.17	0.00	4.17	23.70	3.39	0.00	3.39
21.15	4.15	0.00	4.15	23.75	3.37	0.00	3.37
21.20	4.14	0.00	4.14	23.80	3.36	0.00	3.36
21.25	4.12	0.00	4.12	23.85	3.34	0.00	3.34
21.30	4.11	0.00	4.11	23.90	3.33	0.00	3.33
21.35	4.09	0.00	4.09	23.95	3.31	0.00	3.31
21.40	4.08	0.00	4.08	24.00	3.31	0.00	3.31
21.45	4.07	0.00	4.07	24.05	3.31	0.00	3.31
21.50	4.05	0.00	4.05	24.10	3.30	0.00	3.30
21.55	4.04	0.00	4.04	24.15	3.24	0.00	3.24
21.60	4.02	0.00	4.02	24.20	3.08	0.00	3.08
21.65	4.01	0.00	4.01	24.25	2.77	0.00	2.77
21.70	3.99	0.00	3.99	24.30	2.38	0.00	2.38
21.75	3.98	0.00	3.98	24.35	1.95	0.00	1.95
21.80	3.96	0.00	3.96	24.40	1.53	0.00	1.53
21.85	3.94	0.00	3.94	24.45	1.17	0.00	1.17
21.90	3.93	0.00	3.93	24.50	0.87	0.00	0.87
21.95	3.92	0.00	3.92	24.55	0.66	0.00	0.66
22.00	3.90	0.00	3.90	24.60	0.50	0.00	0.50
22.05	3.89	0.00	3.89	24.65	0.37	0.00	0.37
22.10	3.87	0.00	3.87	24.70	0.28	0.00	0.28
22.15	3.86	0.00	3.86	24.75	0.21	0.00	0.21
22.20	3.84	0.00	3.84	24.80	0.16	0.00	0.16
22.25	3.82	0.00	3.82	24.85	0.12	0.00	0.12
22.30	3.81	0.00	3.81	24.90	0.09	0.00	0.09
22.35	3.80	0.00	3.80	24.95	0.07	0.00	0.07
22.40	3.78	0.00	3.78	25.00	0.05	0.00	0.05
22.45	3.77	0.00	3.77	25.05	0.04	0.00	0.04
22.50	3.75	0.00	3.75	25.10	0.03	0.00	0.03
22.55	3.74	0.00	3.74	25.15	0.02	0.00	0.02
22.60	3.72	0.00	3.72	25.20	0.01	0.00	0.01
22.65	3.70	0.00	3.70	25.25	0.01	0.00	0.01
22.70	3.69	0.00	3.69	25.30	0.01	0.00	0.01
22.75	3.67	0.00	3.67	25.35	0.00	0.00	0.00
22.80	3.66	0.00	3.66	25.40	0.00	0.00	0.00
22.85	3.65	0.00	3.65	25.45	0.00	0.00	0.00
22.90	3.63	0.00	3.63	25.50	0.00	0.00	0.00
22.95	3.61	0.00	3.61	25.55	0.00	0.00	0.00
23.00	3.60	0.00	3.60	25.60	0.00	0.00	0.00
23.05	3.58	0.00	3.58	25.65	0.00	0.00	0.00
23.10	3.57	0.00	3.57	25.70	0.00	0.00	0.00
23.15	3.55	0.00	3.55	25.75	0.00	0.00	0.00
23.20	3.54	0.00	3.54	25.80	0.00	0.00	0.00
23.25	3.52	0.00	3.52	25.85	0.00	0.00	0.00
23.30	3.51	0.00	3.51	25.90	0.00	0.00	0.00
23.35	3.49	0.00	3.49	25.95	0.00	0.00	0.00

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.00	0.00	0.00	28.60	0.00	0.00	0.00
26.05	0.00	0.00	0.00	28.65	0.00	0.00	0.00
26.10	0.00	0.00	0.00	28.70	0.00	0.00	0.00
26.15	0.00	0.00	0.00	28.75	0.00	0.00	0.00
26.20	0.00	0.00	0.00	28.80	0.00	0.00	0.00
26.25	0.00	0.00	0.00	28.85	0.00	0.00	0.00
26.30	0.00	0.00	0.00	28.90	0.00	0.00	0.00
26.35	0.00	0.00	0.00	28.95	0.00	0.00	0.00
26.40	0.00	0.00	0.00	29.00	0.00	0.00	0.00
26.45	0.00	0.00	0.00	29.05	0.00	0.00	0.00
26.50	0.00	0.00	0.00	29.10	0.00	0.00	0.00
26.55	0.00	0.00	0.00	29.15	0.00	0.00	0.00
26.60	0.00	0.00	0.00	29.20	0.00	0.00	0.00
26.65	0.00	0.00	0.00	29.25	0.00	0.00	0.00
26.70	0.00	0.00	0.00	29.30	0.00	0.00	0.00
26.75	0.00	0.00	0.00	29.35	0.00	0.00	0.00
26.80	0.00	0.00	0.00	29.40	0.00	0.00	0.00
26.85	0.00	0.00	0.00	29.45	0.00	0.00	0.00
26.90	0.00	0.00	0.00	29.50	0.00	0.00	0.00
26.95	0.00	0.00	0.00	29.55	0.00	0.00	0.00
27.00	0.00	0.00	0.00	29.60	0.00	0.00	0.00
27.05	0.00	0.00	0.00	29.65	0.00	0.00	0.00
27.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
27.15	0.00	0.00	0.00	29.75	0.00	0.00	0.00
27.20	0.00	0.00	0.00	29.80	0.00	0.00	0.00
27.25	0.00	0.00	0.00	29.85	0.00	0.00	0.00
27.30	0.00	0.00	0.00	29.90	0.00	0.00	0.00
27.35	0.00	0.00	0.00	29.95	0.00	0.00	0.00
27.40	0.00	0.00	0.00	30.00	0.00	0.00	0.00
27.45	0.00	0.00	0.00	30.05	0.00	0.00	0.00
27.50	0.00	0.00	0.00	30.10	0.00	0.00	0.00
27.55	0.00	0.00	0.00	30.15	0.00	0.00	0.00
27.60	0.00	0.00	0.00	30.20	0.00	0.00	0.00
27.65	0.00	0.00	0.00	30.25	0.00	0.00	0.00
27.70	0.00	0.00	0.00	30.30	0.00	0.00	0.00
27.75	0.00	0.00	0.00	30.35	0.00	0.00	0.00
27.80	0.00	0.00	0.00	30.40	0.00	0.00	0.00
27.85	0.00	0.00	0.00	30.45	0.00	0.00	0.00
27.90	0.00	0.00	0.00	30.50	0.00	0.00	0.00
27.95	0.00	0.00	0.00	30.55	0.00	0.00	0.00
28.00	0.00	0.00	0.00	30.60	0.00	0.00	0.00
28.05	0.00	0.00	0.00	30.65	0.00	0.00	0.00
28.10	0.00	0.00	0.00	30.70	0.00	0.00	0.00
28.15	0.00	0.00	0.00	30.75	0.00	0.00	0.00
28.20	0.00	0.00	0.00	30.80	0.00	0.00	0.00
28.25	0.00	0.00	0.00	30.85	0.00	0.00	0.00
28.30	0.00	0.00	0.00	30.90	0.00	0.00	0.00
28.35	0.00	0.00	0.00	30.95	0.00	0.00	0.00
28.40	0.00	0.00	0.00	31.00	0.00	0.00	0.00
28.45	0.00	0.00	0.00	31.05	0.00	0.00	0.00
28.50	0.00	0.00	0.00	31.10	0.00	0.00	0.00
28.55	0.00	0.00	0.00	31.15	0.00	0.00	0.00

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.00	0.00	0.00	33.80	0.00	0.00	0.00
31.25	0.00	0.00	0.00	33.85	0.00	0.00	0.00
31.30	0.00	0.00	0.00	33.90	0.00	0.00	0.00
31.35	0.00	0.00	0.00	33.95	0.00	0.00	0.00
31.40	0.00	0.00	0.00	34.00	0.00	0.00	0.00
31.45	0.00	0.00	0.00	34.05	0.00	0.00	0.00
31.50	0.00	0.00	0.00	34.10	0.00	0.00	0.00
31.55	0.00	0.00	0.00	34.15	0.00	0.00	0.00
31.60	0.00	0.00	0.00	34.20	0.00	0.00	0.00
31.65	0.00	0.00	0.00	34.25	0.00	0.00	0.00
31.70	0.00	0.00	0.00	34.30	0.00	0.00	0.00
31.75	0.00	0.00	0.00	34.35	0.00	0.00	0.00
31.80	0.00	0.00	0.00	34.40	0.00	0.00	0.00
31.85	0.00	0.00	0.00	34.45	0.00	0.00	0.00
31.90	0.00	0.00	0.00	34.50	0.00	0.00	0.00
31.95	0.00	0.00	0.00	34.55	0.00	0.00	0.00
32.00	0.00	0.00	0.00	34.60	0.00	0.00	0.00
32.05	0.00	0.00	0.00	34.65	0.00	0.00	0.00
32.10	0.00	0.00	0.00	34.70	0.00	0.00	0.00
32.15	0.00	0.00	0.00	34.75	0.00	0.00	0.00
32.20	0.00	0.00	0.00	34.80	0.00	0.00	0.00
32.25	0.00	0.00	0.00	34.85	0.00	0.00	0.00
32.30	0.00	0.00	0.00	34.90	0.00	0.00	0.00
32.35	0.00	0.00	0.00	34.95	0.00	0.00	0.00
32.40	0.00	0.00	0.00	35.00	0.00	0.00	0.00
32.45	0.00	0.00	0.00	35.05	0.00	0.00	0.00
32.50	0.00	0.00	0.00	35.10	0.00	0.00	0.00
32.55	0.00	0.00	0.00	35.15	0.00	0.00	0.00
32.60	0.00	0.00	0.00	35.20	0.00	0.00	0.00
32.65	0.00	0.00	0.00	35.25	0.00	0.00	0.00
32.70	0.00	0.00	0.00	35.30	0.00	0.00	0.00
32.75	0.00	0.00	0.00	35.35	0.00	0.00	0.00
32.80	0.00	0.00	0.00	35.40	0.00	0.00	0.00
32.85	0.00	0.00	0.00	35.45	0.00	0.00	0.00
32.90	0.00	0.00	0.00	35.50	0.00	0.00	0.00
32.95	0.00	0.00	0.00	35.55	0.00	0.00	0.00
33.00	0.00	0.00	0.00	35.60	0.00	0.00	0.00
33.05	0.00	0.00	0.00	35.65	0.00	0.00	0.00
33.10	0.00	0.00	0.00	35.70	0.00	0.00	0.00
33.15	0.00	0.00	0.00	35.75	0.00	0.00	0.00
33.20	0.00	0.00	0.00	35.80	0.00	0.00	0.00
33.25	0.00	0.00	0.00	35.85	0.00	0.00	0.00
33.30	0.00	0.00	0.00	35.90	0.00	0.00	0.00
33.35	0.00	0.00	0.00	35.95	0.00	0.00	0.00
33.40	0.00	0.00	0.00	36.00	0.00	0.00	0.00
33.45	0.00	0.00	0.00	36.05	0.00	0.00	0.00
33.50	0.00	0.00	0.00	36.10	0.00	0.00	0.00
33.55	0.00	0.00	0.00	36.15	0.00	0.00	0.00
33.60	0.00	0.00	0.00	36.20	0.00	0.00	0.00
33.65	0.00	0.00	0.00	36.25	0.00	0.00	0.00
33.70	0.00	0.00	0.00	36.30	0.00	0.00	0.00
33.75	0.00	0.00	0.00	36.35	0.00	0.00	0.00

Hydrograph for Link PDA-6OF: Proposed Offsite Drainage Area #6 (continued)

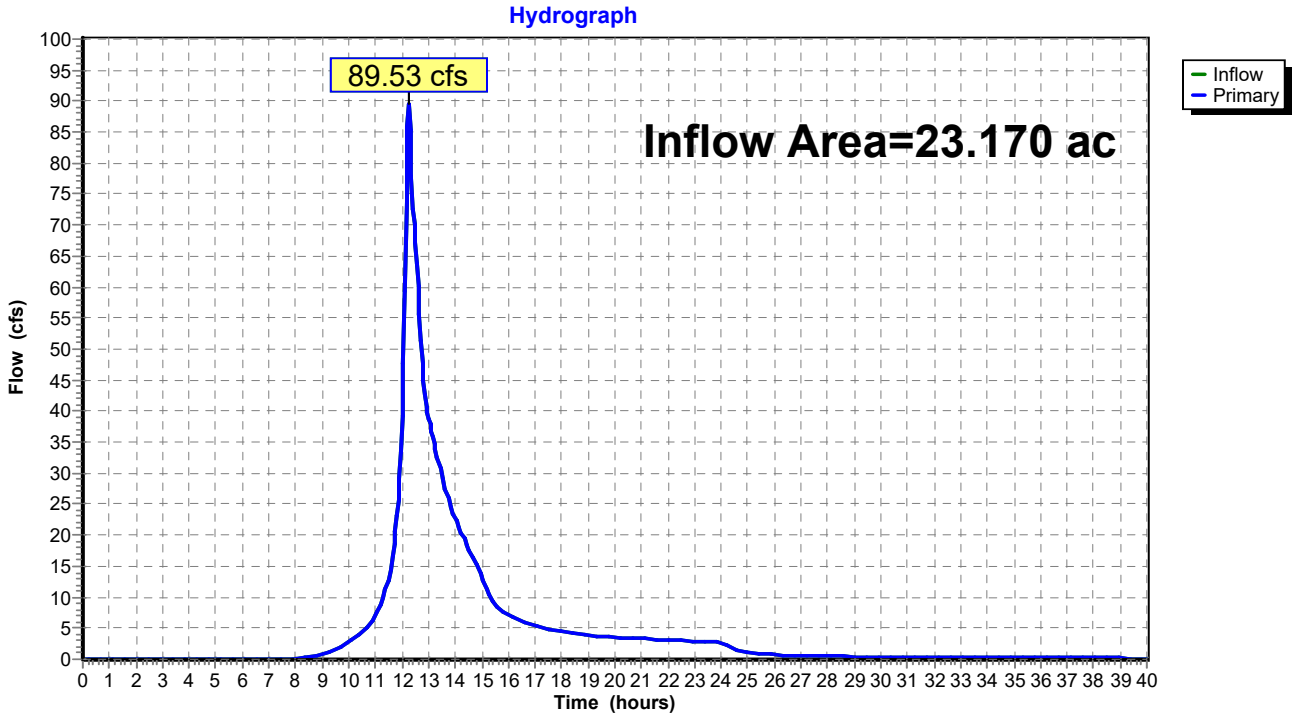
Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.00	0.00	0.00
36.45	0.00	0.00	0.00
36.50	0.00	0.00	0.00
36.55	0.00	0.00	0.00
36.60	0.00	0.00	0.00
36.65	0.00	0.00	0.00
36.70	0.00	0.00	0.00
36.75	0.00	0.00	0.00
36.80	0.00	0.00	0.00
36.85	0.00	0.00	0.00
36.90	0.00	0.00	0.00
36.95	0.00	0.00	0.00
37.00	0.00	0.00	0.00
37.05	0.00	0.00	0.00
37.10	0.00	0.00	0.00
37.15	0.00	0.00	0.00
37.20	0.00	0.00	0.00
37.25	0.00	0.00	0.00
37.30	0.00	0.00	0.00
37.35	0.00	0.00	0.00
37.40	0.00	0.00	0.00
37.45	0.00	0.00	0.00
37.50	0.00	0.00	0.00
37.55	0.00	0.00	0.00
37.60	0.00	0.00	0.00
37.65	0.00	0.00	0.00
37.70	0.00	0.00	0.00
37.75	0.00	0.00	0.00
37.80	0.00	0.00	0.00
37.85	0.00	0.00	0.00
37.90	0.00	0.00	0.00
37.95	0.00	0.00	0.00
38.00	0.00	0.00	0.00
38.05	0.00	0.00	0.00
38.10	0.00	0.00	0.00
38.15	0.00	0.00	0.00
38.20	0.00	0.00	0.00
38.25	0.00	0.00	0.00
38.30	0.00	0.00	0.00
38.35	0.00	0.00	0.00
38.40	0.00	0.00	0.00
38.45	0.00	0.00	0.00
38.50	0.00	0.00	0.00
38.55	0.00	0.00	0.00
38.60	0.00	0.00	0.00
38.65	0.00	0.00	0.00
38.70	0.00	0.00	0.00
38.75	0.00	0.00	0.00
38.80	0.00	0.00	0.00
38.85	0.00	0.00	0.00
38.90	0.00	0.00	0.00
38.95	0.00	0.00	0.00
39.00	0.00	0.00	0.00
39.05	0.00	0.00	0.00
39.10	0.00	0.00	0.00
39.15	0.00	0.00	0.00
39.20	0.00	0.00	0.00
39.25	0.00	0.00	0.00
39.30	0.00	0.00	0.00
39.35	0.00	0.00	0.00
39.40	0.00	0.00	0.00
39.45	0.00	0.00	0.00
39.50	0.00	0.00	0.00
39.55	0.00	0.00	0.00
39.60	0.00	0.00	0.00
39.65	0.00	0.00	0.00
39.70	0.00	0.00	0.00
39.75	0.00	0.00	0.00
39.80	0.00	0.00	0.00
39.85	0.00	0.00	0.00
39.90	0.00	0.00	0.00
39.95	0.00	0.00	0.00
40.00	0.00	0.00	0.00

Summary for Link PDA-6ON: Proposed Onsite Drainage Area #6

Inflow Area = 23.170 ac, 25.64% Impervious, Inflow Depth > 7.65" for Future 100 yr event
Inflow = 89.53 cfs @ 12.25 hrs, Volume= 14.769 af
Primary = 89.53 cfs @ 12.25 hrs, Volume= 14.769 af, Atten= 0%, Lag= 0.0 min
Routed to Link PDA-6 : Proposed Drainage Area #6

Primary outflow = Inflow, Time Span= 0.00-40.00 hrs, dt= 0.05 hrs

Link PDA-6ON: Proposed Onsite Drainage Area #6



Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
0.00	0.00	**0.00**	0.00	2.60	0.00	0.00	0.00
0.05	0.00	0.00	0.00	2.65	0.00	0.00	0.00
0.10	0.00	0.00	0.00	2.70	0.00	0.00	0.00
0.15	0.00	0.00	0.00	2.75	0.00	0.00	0.00
0.20	0.00	0.00	0.00	2.80	0.00	0.00	0.00
0.25	0.00	0.00	0.00	2.85	0.00	0.00	0.00
0.30	0.00	0.00	0.00	2.90	0.00	0.00	0.00
0.35	0.00	0.00	0.00	2.95	0.00	0.00	0.00
0.40	0.00	0.00	0.00	3.00	0.00	0.00	0.00
0.45	0.00	0.00	0.00	3.05	0.00	0.00	0.00
0.50	0.00	0.00	0.00	3.10	0.00	0.00	0.00
0.55	0.00	0.00	0.00	3.15	0.00	0.00	0.00
0.60	0.00	0.00	0.00	3.20	0.00	0.00	0.00
0.65	0.00	0.00	0.00	3.25	0.00	0.00	0.00
0.70	0.00	0.00	0.00	3.30	0.00	0.00	0.00
0.75	0.00	0.00	0.00	3.35	0.00	0.00	0.00
0.80	0.00	0.00	0.00	3.40	0.00	0.00	0.00
0.85	0.00	0.00	0.00	3.45	0.00	0.00	0.00
0.90	0.00	0.00	0.00	3.50	0.00	0.00	0.00
0.95	0.00	0.00	0.00	3.55	0.00	0.00	0.00
1.00	0.00	0.00	0.00	3.60	0.00	0.00	0.00
1.05	0.00	0.00	0.00	3.65	0.00	0.00	0.00
1.10	0.00	0.00	0.00	3.70	0.00	0.00	0.00
1.15	0.00	0.00	0.00	3.75	0.00	0.00	0.00
1.20	0.00	0.00	0.00	3.80	0.00	0.00	0.00
1.25	0.00	0.00	0.00	3.85	0.00	0.00	0.00
1.30	0.00	0.00	0.00	3.90	0.00	0.00	0.00
1.35	0.00	0.00	0.00	3.95	0.00	0.00	0.00
1.40	0.00	0.00	0.00	4.00	0.00	0.00	0.00
1.45	0.00	0.00	0.00	4.05	0.00	0.00	0.00
1.50	0.00	0.00	0.00	4.10	0.00	0.00	0.00
1.55	0.00	0.00	0.00	4.15	0.00	0.00	0.00
1.60	0.00	0.00	0.00	4.20	0.00	0.00	0.00
1.65	0.00	0.00	0.00	4.25	0.00	0.00	0.00
1.70	0.00	0.00	0.00	4.30	0.00	0.00	0.00
1.75	0.00	0.00	0.00	4.35	0.00	0.00	0.00
1.80	0.00	0.00	0.00	4.40	0.00	0.00	0.00
1.85	0.00	0.00	0.00	4.45	0.00	0.00	0.00
1.90	0.00	0.00	0.00	4.50	0.00	0.00	0.00
1.95	0.00	0.00	0.00	4.55	0.00	0.00	0.00
2.00	0.00	0.00	0.00	4.60	0.00	0.00	0.00
2.05	0.00	0.00	0.00	4.65	0.00	0.00	0.00
2.10	0.00	0.00	0.00	4.70	0.00	0.00	0.00
2.15	0.00	0.00	0.00	4.75	0.00	0.00	0.00
2.20	0.00	0.00	0.00	4.80	0.00	0.00	0.00
2.25	0.00	0.00	0.00	4.85	0.00	0.00	0.00
2.30	0.00	0.00	0.00	4.90	0.00	0.00	0.00
2.35	0.00	0.00	0.00	4.95	0.00	0.00	0.00
2.40	0.00	0.00	0.00	5.00	0.00	0.00	0.00
2.45	0.00	0.00	0.00	5.05	0.00	0.00	0.00
2.50	0.00	0.00	0.00	5.10	0.00	0.00	0.00
2.55	0.00	0.00	0.00	5.15	0.00	0.00	0.00

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.20	0.00	0.00	0.00	7.80	0.11	0.00	0.11
5.25	0.00	0.00	0.00	7.85	0.12	0.00	0.12
5.30	0.00	0.00	0.00	7.90	0.14	0.00	0.14
5.35	0.00	0.00	0.00	7.95	0.15	0.00	0.15
5.40	0.00	0.00	0.00	8.00	0.16	0.00	0.16
5.45	0.00	0.00	0.00	8.05	0.18	0.00	0.18
5.50	0.00	0.00	0.00	8.10	0.19	0.00	0.19
5.55	0.00	0.00	0.00	8.15	0.21	0.00	0.21
5.60	0.00	0.00	0.00	8.20	0.22	0.00	0.22
5.65	0.00	0.00	0.00	8.25	0.24	0.00	0.24
5.70	0.00	0.00	0.00	8.30	0.25	0.00	0.25
5.75	0.00	0.00	0.00	8.35	0.28	0.00	0.28
5.80	0.00	0.00	0.00	8.40	0.31	0.00	0.31
5.85	0.00	0.00	0.00	8.45	0.33	0.00	0.33
5.90	0.00	0.00	0.00	8.50	0.36	0.00	0.36
5.95	0.00	0.00	0.00	8.55	0.39	0.00	0.39
6.00	0.00	0.00	0.00	8.60	0.42	0.00	0.42
6.05	0.00	0.00	0.00	8.65	0.46	0.00	0.46
6.10	0.00	0.00	0.00	8.70	0.50	0.00	0.50
6.15	0.00	0.00	0.00	8.75	0.54	0.00	0.54
6.20	0.00	0.00	0.00	8.80	0.59	0.00	0.59
6.25	0.00	0.00	0.00	8.85	0.64	0.00	0.64
6.30	0.00	0.00	0.00	8.90	0.69	0.00	0.69
6.35	0.00	0.00	0.00	8.95	0.74	0.00	0.74
6.40	0.00	0.00	0.00	9.00	0.80	0.00	0.80
6.45	0.00	0.00	0.00	9.05	0.86	0.00	0.86
6.50	0.00	0.00	0.00	9.10	0.92	0.00	0.92
6.55	0.00	0.00	0.00	9.15	0.99	0.00	0.99
6.60	0.00	0.00	0.00	9.20	1.07	0.00	1.07
6.65	0.00	0.00	0.00	9.25	1.15	0.00	1.15
6.70	0.00	0.00	0.00	9.30	1.25	0.00	1.25
6.75	0.00	0.00	0.00	9.35	1.35	0.00	1.35
6.80	0.00	0.00	0.00	9.40	1.45	0.00	1.45
6.85	0.00	0.00	0.00	9.45	1.55	0.00	1.55
6.90	0.00	0.00	0.00	9.50	1.66	0.00	1.66
6.95	0.00	0.00	0.00	9.55	1.78	0.00	1.78
7.00	0.00	0.00	0.00	9.60	1.89	0.00	1.89
7.05	0.00	0.00	0.00	9.65	2.01	0.00	2.01
7.10	0.00	0.00	0.00	9.70	2.13	0.00	2.13
7.15	0.00	0.00	0.00	9.75	2.26	0.00	2.26
7.20	0.01	0.00	0.01	9.80	2.38	0.00	2.38
7.25	0.01	0.00	0.01	9.85	2.51	0.00	2.51
7.30	0.02	0.00	0.02	9.90	2.64	0.00	2.64
7.35	0.02	0.00	0.02	9.95	2.77	0.00	2.77
7.40	0.03	0.00	0.03	10.00	2.91	0.00	2.91
7.45	0.04	0.00	0.04	10.05	3.04	0.00	3.04
7.50	0.05	0.00	0.05	10.10	3.18	0.00	3.18
7.55	0.06	0.00	0.06	10.15	3.32	0.00	3.32
7.60	0.07	0.00	0.07	10.20	3.46	0.00	3.46
7.65	0.08	0.00	0.08	10.25	3.59	0.00	3.59
7.70	0.09	0.00	0.09	10.30	3.74	0.00	3.74
7.75	0.10	0.00	0.10	10.35	3.88	0.00	3.88

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
10.40	4.02	0.00	4.02	13.00	38.73	0.00	38.73
10.45	4.17	0.00	4.17	13.05	37.74	0.00	37.74
10.50	4.32	0.00	4.32	13.10	36.76	0.00	36.76
10.55	4.49	0.00	4.49	13.15	35.77	0.00	35.77
10.60	4.67	0.00	4.67	13.20	34.81	0.00	34.81
10.65	4.88	0.00	4.88	13.25	33.88	0.00	33.88
10.70	5.12	0.00	5.12	13.30	32.99	0.00	32.99
10.75	5.38	0.00	5.38	13.35	32.13	0.00	32.13
10.80	5.66	0.00	5.66	13.40	31.28	0.00	31.28
10.85	5.98	0.00	5.98	13.45	30.45	0.00	30.45
10.90	6.32	0.00	6.32	13.50	29.61	0.00	29.61
10.95	6.68	0.00	6.68	13.55	28.77	0.00	28.77
11.00	7.07	0.00	7.07	13.60	27.93	0.00	27.93
11.05	7.48	0.00	7.48	13.65	27.09	0.00	27.09
11.10	7.92	0.00	7.92	13.70	26.25	0.00	26.25
11.15	8.41	0.00	8.41	13.75	25.49	0.00	25.49
11.20	8.96	0.00	8.96	13.80	24.80	0.00	24.80
11.25	9.54	0.00	9.54	13.85	24.18	0.00	24.18
11.30	10.17	0.00	10.17	13.90	23.60	0.00	23.60
11.35	10.83	0.00	10.83	13.95	23.05	0.00	23.05
11.40	11.53	0.00	11.53	14.00	22.53	0.00	22.53
11.45	12.26	0.00	12.26	14.05	22.02	0.00	22.02
11.50	13.02	0.00	13.02	14.10	21.52	0.00	21.52
11.55	13.86	0.00	13.86	14.15	21.04	0.00	21.04
11.60	15.01	0.00	15.01	14.20	20.56	0.00	20.56
11.65	16.64	0.00	16.64	14.25	20.09	0.00	20.09
11.70	18.61	0.00	18.61	14.30	19.63	0.00	19.63
11.75	20.74	0.00	20.74	14.35	19.17	0.00	19.17
11.80	23.12	0.00	23.12	14.40	18.71	0.00	18.71
11.85	25.74	0.00	25.74	14.45	18.26	0.00	18.26
11.90	28.99	0.00	28.99	14.50	17.80	0.00	17.80
11.95	33.27	0.00	33.27	14.55	17.36	0.00	17.36
12.00	39.16	0.00	39.16	14.60	16.91	0.00	16.91
12.05	47.64	0.00	47.64	14.65	16.46	0.00	16.46
12.10	59.38	0.00	59.38	14.70	16.02	0.00	16.02
12.15	73.67	0.00	73.67	14.75	15.57	0.00	15.57
12.20	85.75	0.00	85.75	14.80	15.13	0.00	15.13
12.25	**89.52**	0.00	**89.52**	14.85	14.68	0.00	14.68
12.30	85.29	0.00	85.29	14.90	14.24	0.00	14.24
12.35	77.86	0.00	77.86	14.95	13.80	0.00	13.80
12.40	72.69	0.00	72.69	15.00	13.36	0.00	13.36
12.45	70.12	0.00	70.12	15.05	12.89	0.00	12.89
12.50	67.32	0.00	67.32	15.10	12.34	0.00	12.34
12.55	63.93	0.00	63.93	15.15	11.68	0.00	11.68
12.60	60.08	0.00	60.08	15.20	11.10	0.00	11.10
12.65	55.76	0.00	55.76	15.25	10.59	0.00	10.59
12.70	51.45	0.00	51.45	15.30	10.15	0.00	10.15
12.75	47.80	0.00	47.80	15.35	9.75	0.00	9.75
12.80	44.88	0.00	44.88	15.40	9.41	0.00	9.41
12.85	42.56	0.00	42.56	15.45	9.10	0.00	9.10
12.90	40.81	0.00	40.81	15.50	8.83	0.00	8.83
12.95	39.72	0.00	39.72	15.55	8.58	0.00	8.58

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
15.60	8.35	0.00	8.35	18.20	4.32	0.00	4.32
15.65	8.14	0.00	8.14	18.25	4.28	0.00	4.28
15.70	7.95	0.00	7.95	18.30	4.25	0.00	4.25
15.75	7.78	0.00	7.78	18.35	4.21	0.00	4.21
15.80	7.61	0.00	7.61	18.40	4.18	0.00	4.18
15.85	7.46	0.00	7.46	18.45	4.15	0.00	4.15
15.90	7.33	0.00	7.33	18.50	4.12	0.00	4.12
15.95	7.20	0.00	7.20	18.55	4.10	0.00	4.10
16.00	7.07	0.00	7.07	18.60	4.07	0.00	4.07
16.05	6.96	0.00	6.96	18.65	4.04	0.00	4.04
16.10	6.85	0.00	6.85	18.70	4.02	0.00	4.02
16.15	6.75	0.00	6.75	18.75	3.99	0.00	3.99
16.20	6.66	0.00	6.66	18.80	3.97	0.00	3.97
16.25	6.57	0.00	6.57	18.85	3.95	0.00	3.95
16.30	6.48	0.00	6.48	18.90	3.93	0.00	3.93
16.35	6.39	0.00	6.39	18.95	3.91	0.00	3.91
16.40	6.31	0.00	6.31	19.00	3.89	0.00	3.89
16.45	6.23	0.00	6.23	19.05	3.87	0.00	3.87
16.50	6.16	0.00	6.16	19.10	3.85	0.00	3.85
16.55	6.09	0.00	6.09	19.15	3.83	0.00	3.83
16.60	6.02	0.00	6.02	19.20	3.81	0.00	3.81
16.65	5.95	0.00	5.95	19.25	3.79	0.00	3.79
16.70	5.89	0.00	5.89	19.30	3.77	0.00	3.77
16.75	5.82	0.00	5.82	19.35	3.76	0.00	3.76
16.80	5.76	0.00	5.76	19.40	3.74	0.00	3.74
16.85	5.70	0.00	5.70	19.45	3.73	0.00	3.73
16.90	5.64	0.00	5.64	19.50	3.71	0.00	3.71
16.95	5.58	0.00	5.58	19.55	3.70	0.00	3.70
17.00	5.52	0.00	5.52	19.60	3.68	0.00	3.68
17.05	5.46	0.00	5.46	19.65	3.67	0.00	3.67
17.10	5.40	0.00	5.40	19.70	3.65	0.00	3.65
17.15	5.35	0.00	5.35	19.75	3.64	0.00	3.64
17.20	5.30	0.00	5.30	19.80	3.63	0.00	3.63
17.25	5.25	0.00	5.25	19.85	3.62	0.00	3.62
17.30	5.19	0.00	5.19	19.90	3.60	0.00	3.60
17.35	5.14	0.00	5.14	19.95	3.59	0.00	3.59
17.40	5.09	0.00	5.09	20.00	3.58	0.00	3.58
17.45	5.04	0.00	5.04	20.05	3.56	0.00	3.56
17.50	4.99	0.00	4.99	20.10	3.55	0.00	3.55
17.55	4.94	0.00	4.94	20.15	3.54	0.00	3.54
17.60	4.89	0.00	4.89	20.20	3.52	0.00	3.52
17.65	4.84	0.00	4.84	20.25	3.51	0.00	3.51
17.70	4.79	0.00	4.79	20.30	3.50	0.00	3.50
17.75	4.74	0.00	4.74	20.35	3.49	0.00	3.49
17.80	4.70	0.00	4.70	20.40	3.47	0.00	3.47
17.85	4.65	0.00	4.65	20.45	3.46	0.00	3.46
17.90	4.60	0.00	4.60	20.50	3.45	0.00	3.45
17.95	4.55	0.00	4.55	20.55	3.44	0.00	3.44
18.00	4.50	0.00	4.50	20.60	3.43	0.00	3.43
18.05	4.46	0.00	4.46	20.65	3.42	0.00	3.42
18.10	4.41	0.00	4.41	20.70	3.41	0.00	3.41
18.15	4.37	0.00	4.37	20.75	3.39	0.00	3.39

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
20.80	3.38	0.00	3.38	23.40	2.81	0.00	2.81
20.85	3.37	0.00	3.37	23.45	2.80	0.00	2.80
20.90	3.36	0.00	3.36	23.50	2.79	0.00	2.79
20.95	3.35	0.00	3.35	23.55	2.78	0.00	2.78
21.00	3.33	0.00	3.33	23.60	2.77	0.00	2.77
21.05	3.32	0.00	3.32	23.65	2.76	0.00	2.76
21.10	3.31	0.00	3.31	23.70	2.75	0.00	2.75
21.15	3.30	0.00	3.30	23.75	2.74	0.00	2.74
21.20	3.29	0.00	3.29	23.80	2.73	0.00	2.73
21.25	3.28	0.00	3.28	23.85	2.72	0.00	2.72
21.30	3.27	0.00	3.27	23.90	2.71	0.00	2.71
21.35	3.26	0.00	3.26	23.95	2.70	0.00	2.70
21.40	3.25	0.00	3.25	24.00	2.71	0.00	2.71
21.45	3.24	0.00	3.24	24.05	2.73	0.00	2.73
21.50	3.22	0.00	3.22	24.10	2.68	0.00	2.68
21.55	3.21	0.00	3.21	24.15	2.49	0.00	2.49
21.60	3.20	0.00	3.20	24.20	2.24	0.00	2.24
21.65	3.19	0.00	3.19	24.25	2.00	0.00	2.00
21.70	3.18	0.00	3.18	24.30	1.82	0.00	1.82
21.75	3.17	0.00	3.17	24.35	1.70	0.00	1.70
21.80	3.16	0.00	3.16	24.40	1.62	0.00	1.62
21.85	3.15	0.00	3.15	24.45	1.55	0.00	1.55
21.90	3.14	0.00	3.14	24.50	1.49	0.00	1.49
21.95	3.13	0.00	3.13	24.55	1.44	0.00	1.44
22.00	3.11	0.00	3.11	24.60	1.39	0.00	1.39
22.05	3.10	0.00	3.10	24.65	1.35	0.00	1.35
22.10	3.09	0.00	3.09	24.70	1.32	0.00	1.32
22.15	3.08	0.00	3.08	24.75	1.28	0.00	1.28
22.20	3.07	0.00	3.07	24.80	1.25	0.00	1.25
22.25	3.06	0.00	3.06	24.85	1.22	0.00	1.22
22.30	3.05	0.00	3.05	24.90	1.19	0.00	1.19
22.35	3.04	0.00	3.04	24.95	1.16	0.00	1.16
22.40	3.03	0.00	3.03	25.00	1.13	0.00	1.13
22.45	3.01	0.00	3.01	25.05	1.10	0.00	1.10
22.50	3.00	0.00	3.00	25.10	1.08	0.00	1.08
22.55	2.99	0.00	2.99	25.15	1.05	0.00	1.05
22.60	2.98	0.00	2.98	25.20	1.03	0.00	1.03
22.65	2.97	0.00	2.97	25.25	1.01	0.00	1.01
22.70	2.96	0.00	2.96	25.30	0.99	0.00	0.99
22.75	2.95	0.00	2.95	25.35	0.97	0.00	0.97
22.80	2.94	0.00	2.94	25.40	0.95	0.00	0.95
22.85	2.93	0.00	2.93	25.45	0.93	0.00	0.93
22.90	2.92	0.00	2.92	25.50	0.91	0.00	0.91
22.95	2.91	0.00	2.91	25.55	0.89	0.00	0.89
23.00	2.90	0.00	2.90	25.60	0.87	0.00	0.87
23.05	2.89	0.00	2.89	25.65	0.86	0.00	0.86
23.10	2.88	0.00	2.88	25.70	0.84	0.00	0.84
23.15	2.87	0.00	2.87	25.75	0.83	0.00	0.83
23.20	2.86	0.00	2.86	25.80	0.81	0.00	0.81
23.25	2.84	0.00	2.84	25.85	0.80	0.00	0.80
23.30	2.83	0.00	2.83	25.90	0.78	0.00	0.78
23.35	2.82	0.00	2.82	25.95	0.77	0.00	0.77

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
26.00	0.75	0.00	0.75	28.60	0.43	0.00	0.43
26.05	0.74	0.00	0.74	28.65	0.43	0.00	0.43
26.10	0.73	0.00	0.73	28.70	0.43	0.00	0.43
26.15	0.72	0.00	0.72	28.75	0.42	0.00	0.42
26.20	0.71	0.00	0.71	28.80	0.42	0.00	0.42
26.25	0.70	0.00	0.70	28.85	0.42	0.00	0.42
26.30	0.69	0.00	0.69	28.90	0.41	0.00	0.41
26.35	0.68	0.00	0.68	28.95	0.41	0.00	0.41
26.40	0.67	0.00	0.67	29.00	0.41	0.00	0.41
26.45	0.66	0.00	0.66	29.05	0.40	0.00	0.40
26.50	0.66	0.00	0.66	29.10	0.40	0.00	0.40
26.55	0.65	0.00	0.65	29.15	0.40	0.00	0.40
26.60	0.64	0.00	0.64	29.20	0.39	0.00	0.39
26.65	0.63	0.00	0.63	29.25	0.39	0.00	0.39
26.70	0.62	0.00	0.62	29.30	0.39	0.00	0.39
26.75	0.62	0.00	0.62	29.35	0.39	0.00	0.39
26.80	0.61	0.00	0.61	29.40	0.38	0.00	0.38
26.85	0.60	0.00	0.60	29.45	0.38	0.00	0.38
26.90	0.59	0.00	0.59	29.50	0.38	0.00	0.38
26.95	0.59	0.00	0.59	29.55	0.37	0.00	0.37
27.00	0.58	0.00	0.58	29.60	0.37	0.00	0.37
27.05	0.57	0.00	0.57	29.65	0.37	0.00	0.37
27.10	0.57	0.00	0.57	29.70	0.36	0.00	0.36
27.15	0.56	0.00	0.56	29.75	0.36	0.00	0.36
27.20	0.56	0.00	0.56	29.80	0.36	0.00	0.36
27.25	0.55	0.00	0.55	29.85	0.36	0.00	0.36
27.30	0.54	0.00	0.54	29.90	0.35	0.00	0.35
27.35	0.54	0.00	0.54	29.95	0.35	0.00	0.35
27.40	0.53	0.00	0.53	30.00	0.35	0.00	0.35
27.45	0.53	0.00	0.53	30.05	0.34	0.00	0.34
27.50	0.52	0.00	0.52	30.10	0.34	0.00	0.34
27.55	0.52	0.00	0.52	30.15	0.34	0.00	0.34
27.60	0.51	0.00	0.51	30.20	0.34	0.00	0.34
27.65	0.51	0.00	0.51	30.25	0.33	0.00	0.33
27.70	0.50	0.00	0.50	30.30	0.33	0.00	0.33
27.75	0.50	0.00	0.50	30.35	0.33	0.00	0.33
27.80	0.49	0.00	0.49	30.40	0.33	0.00	0.33
27.85	0.49	0.00	0.49	30.45	0.32	0.00	0.32
27.90	0.48	0.00	0.48	30.50	0.32	0.00	0.32
27.95	0.48	0.00	0.48	30.55	0.32	0.00	0.32
28.00	0.47	0.00	0.47	30.60	0.31	0.00	0.31
28.05	0.47	0.00	0.47	30.65	0.31	0.00	0.31
28.10	0.47	0.00	0.47	30.70	0.31	0.00	0.31
28.15	0.46	0.00	0.46	30.75	0.31	0.00	0.31
28.20	0.46	0.00	0.46	30.80	0.31	0.00	0.31
28.25	0.46	0.00	0.46	30.85	0.30	0.00	0.30
28.30	0.45	0.00	0.45	30.90	0.30	0.00	0.30
28.35	0.45	0.00	0.45	30.95	0.30	0.00	0.30
28.40	0.45	0.00	0.45	31.00	0.30	0.00	0.30
28.45	0.44	0.00	0.44	31.05	0.29	0.00	0.29
28.50	0.44	0.00	0.44	31.10	0.29	0.00	0.29
28.55	0.44	0.00	0.44	31.15	0.29	0.00	0.29

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
31.20	0.29	0.00	0.29	33.80	0.22	0.00	0.22
31.25	0.28	0.00	0.28	33.85	0.22	0.00	0.22
31.30	0.28	0.00	0.28	33.90	0.21	0.00	0.21
31.35	0.28	0.00	0.28	33.95	0.21	0.00	0.21
31.40	0.28	0.00	0.28	34.00	0.21	0.00	0.21
31.45	0.28	0.00	0.28	34.05	0.21	0.00	0.21
31.50	0.27	0.00	0.27	34.10	0.21	0.00	0.21
31.55	0.27	0.00	0.27	34.15	0.21	0.00	0.21
31.60	0.27	0.00	0.27	34.20	0.21	0.00	0.21
31.65	0.27	0.00	0.27	34.25	0.21	0.00	0.21
31.70	0.27	0.00	0.27	34.30	0.21	0.00	0.21
31.75	0.26	0.00	0.26	34.35	0.21	0.00	0.21
31.80	0.26	0.00	0.26	34.40	0.21	0.00	0.21
31.85	0.26	0.00	0.26	34.45	0.20	0.00	0.20
31.90	0.26	0.00	0.26	34.50	0.20	0.00	0.20
31.95	0.26	0.00	0.26	34.55	0.20	0.00	0.20
32.00	0.26	0.00	0.26	34.60	0.20	0.00	0.20
32.05	0.26	0.00	0.26	34.65	0.20	0.00	0.20
32.10	0.25	0.00	0.25	34.70	0.20	0.00	0.20
32.15	0.25	0.00	0.25	34.75	0.20	0.00	0.20
32.20	0.25	0.00	0.25	34.80	0.20	0.00	0.20
32.25	0.25	0.00	0.25	34.85	0.20	0.00	0.20
32.30	0.25	0.00	0.25	34.90	0.20	0.00	0.20
32.35	0.25	0.00	0.25	34.95	0.20	0.00	0.20
32.40	0.25	0.00	0.25	35.00	0.20	0.00	0.20
32.45	0.24	0.00	0.24	35.05	0.19	0.00	0.19
32.50	0.24	0.00	0.24	35.10	0.19	0.00	0.19
32.55	0.24	0.00	0.24	35.15	0.19	0.00	0.19
32.60	0.24	0.00	0.24	35.20	0.19	0.00	0.19
32.65	0.24	0.00	0.24	35.25	0.19	0.00	0.19
32.70	0.24	0.00	0.24	35.30	0.19	0.00	0.19
32.75	0.24	0.00	0.24	35.35	0.19	0.00	0.19
32.80	0.24	0.00	0.24	35.40	0.19	0.00	0.19
32.85	0.24	0.00	0.24	35.45	0.19	0.00	0.19
32.90	0.23	0.00	0.23	35.50	0.19	0.00	0.19
32.95	0.23	0.00	0.23	35.55	0.19	0.00	0.19
33.00	0.23	0.00	0.23	35.60	0.19	0.00	0.19
33.05	0.23	0.00	0.23	35.65	0.19	0.00	0.19
33.10	0.23	0.00	0.23	35.70	0.18	0.00	0.18
33.15	0.23	0.00	0.23	35.75	0.18	0.00	0.18
33.20	0.23	0.00	0.23	35.80	0.18	0.00	0.18
33.25	0.23	0.00	0.23	35.85	0.18	0.00	0.18
33.30	0.23	0.00	0.23	35.90	0.18	0.00	0.18
33.35	0.23	0.00	0.23	35.95	0.18	0.00	0.18
33.40	0.22	0.00	0.22	36.00	0.18	0.00	0.18
33.45	0.22	0.00	0.22	36.05	0.18	0.00	0.18
33.50	0.22	0.00	0.22	36.10	0.18	0.00	0.18
33.55	0.22	0.00	0.22	36.15	0.18	0.00	0.18
33.60	0.22	0.00	0.22	36.20	0.18	0.00	0.18
33.65	0.22	0.00	0.22	36.25	0.18	0.00	0.18
33.70	0.22	0.00	0.22	36.30	0.18	0.00	0.18
33.75	0.22	0.00	0.22	36.35	0.18	0.00	0.18

Hydrograph for Link PDA-6ON: Proposed Onsite Drainage Area #6 (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
36.40	0.17	0.00	0.17
36.45	0.17	0.00	0.17
36.50	0.17	0.00	0.17
36.55	0.17	0.00	0.17
36.60	0.17	0.00	0.17
36.65	0.17	0.00	0.17
36.70	0.17	0.00	0.17
36.75	0.17	0.00	0.17
36.80	0.17	0.00	0.17
36.85	0.17	0.00	0.17
36.90	0.17	0.00	0.17
36.95	0.17	0.00	0.17
37.00	0.17	0.00	0.17
37.05	0.17	0.00	0.17
37.10	0.17	0.00	0.17
37.15	0.16	0.00	0.16
37.20	0.16	0.00	0.16
37.25	0.16	0.00	0.16
37.30	0.16	0.00	0.16
37.35	0.16	0.00	0.16
37.40	0.16	0.00	0.16
37.45	0.16	0.00	0.16
37.50	0.16	0.00	0.16
37.55	0.16	0.00	0.16
37.60	0.16	0.00	0.16
37.65	0.16	0.00	0.16
37.70	0.16	0.00	0.16
37.75	0.16	0.00	0.16
37.80	0.16	0.00	0.16
37.85	0.16	0.00	0.16
37.90	0.16	0.00	0.16
37.95	0.15	0.00	0.15
38.00	0.15	0.00	0.15
38.05	0.15	0.00	0.15
38.10	0.15	0.00	0.15
38.15	0.15	0.00	0.15
38.20	0.15	0.00	0.15
38.25	0.15	0.00	0.15
38.30	0.15	0.00	0.15
38.35	0.15	0.00	0.15
38.40	0.15	0.00	0.15
38.45	0.15	0.00	0.15
38.50	0.15	0.00	0.15
38.55	0.15	0.00	0.15
38.60	0.15	0.00	0.15
38.65	0.15	0.00	0.15
38.70	0.15	0.00	0.15
38.75	0.15	0.00	0.15
38.80	0.14	0.00	0.14
38.85	0.14	0.00	0.14
38.90	0.14	0.00	0.14
38.95	0.14	0.00	0.14
39.00	0.14	0.00	0.14
39.05	0.14	0.00	0.14
39.10	0.14	0.00	0.14
39.15	0.14	0.00	0.14
39.20	0.14	0.00	0.14
39.25	0.14	0.00	0.14
39.30	0.14	0.00	0.14
39.35	0.14	0.00	0.14
39.40	0.14	0.00	0.14
39.45	0.14	0.00	0.14
39.50	0.14	0.00	0.14
39.55	0.14	0.00	0.14
39.60	0.14	0.00	0.14
39.65	0.14	0.00	0.14
39.70	0.14	0.00	0.14
39.75	0.13	0.00	0.13
39.80	0.13	0.00	0.13
39.85	0.13	0.00	0.13
39.90	0.13	0.00	0.13
39.95	0.13	0.00	0.13
40.00	0.13	0.00	0.13

APPENDIX 4
GROUNDWATER RECHARGE CALCULATIONS

New Jersey Groundwater Recharge Spreadsheet Version 2.0 November 2003

Annual Groundwater Recharge Analysis (based on GSR-32)

Project Name:	Venue at Hopewell
Description:	Subdivision
Analysis Date:	06/13/25

Select Township ↓	Average Annual P (in)	Climatic Factor
MERCER CO., HOPEWELL TWP	44.6	1.42

Pre-Developed Conditions

Land Segment	Area (acres)	TR-55 Land Cover	Soil	Annual Recharge (in)	Annual Recharge (cu.ft)
1	4.9	Impervious areas	Bucks	0.0	-
2	48.85	Woods-grass combination	Bucks	13.2	2,339,172
3	18.59	Woods-grass combination	Quakertown	11.1	750,127
4	7.05	Woods-grass combination	Penn	12.3	314,325
5	2.93	Woods-grass combination	Bowmansville	0.0	-
6	2.93	Woods-grass combination	Chalfont	12.5	132,962
7	0.36	Woods-grass combination	Klinesville	14.2	18,553
8	6	Woods-grass combination	Doylestown	0.0	-
9					
10					
11					
12					
13					
14					
15	0				
Total =	91.6			Total Annual Recharge (in)	Total Annual Recharge (cu-ft)
				10.7	3,555,138

Post-Developed Conditions

Land Segment	Area (acres)	TR-55 Land Cover	Soil	Annual Recharge (in)	Annual Recharge (cu.ft)
1	17.95	Impervious areas	Bucks	0.0	-
2	6	Woods-grass combination	Doylestown	0.0	-
3	2.93	Woods-grass combination	Bowmansville	0.0	-
4	5.37	Woods-grass combination	Bucks	13.2	257,141
5	2.79	Woods-grass combination	Quakertown	11.1	112,580
6	30.43	Open space	Bucks	12.8	1,409,680
7	15.8	Open space	Quakertown	10.5	602,389
8	7.05	Open space	Penn	11.5	294,057
9	2.93	Open space	Chalfont	11.7	124,851
10	0.36	Open space	Klinesville	13.6	17,716
11					
12					
13					
14					
15					
Total =	91.6			Total Annual Recharge (in)	Total Annual Recharge (cu.ft)
				8.5	2,818,413

Annual Recharge Requirements Calculation ↓

% of Pre-Developed Annual Recharge to Preserve =	100%	Total Impervious Area (sq.ft)
		781,902
Post-Development Annual Recharge Deficit=	*736,725*	(cubic feet)

Recharge Efficiency Parameters Calculations (area averages)

RWC=	#N/A	(in)	DRWC=	#N/A	(in)
ERWC =	#N/A	(in)	EDRWC=	#N/A	(in)

Procedure to fill the Pre-Development and Post-Development Conditions Tables

For each land segment, first enter the area, then select TR-55 Land Cover, then select Soil. Start from the top of the table and proceed downward. Don't leave blank rows (with A=0) in between your segment entries. Rows with A=0 will not be displayed or used in calculations. For impervious areas outside of standard lots select "Impervious Areas" as the Land Cover. Soil type for impervious areas are only required if an infiltration facility will be built within these areas.

Project Name	Description	Analysis Date	BMP or LID Type
Venue at Hopewell	Subdivision	06/13/25	Basin 8

Recharge BMP Input Parameters

Parameter	Symbol	Value	Unit
BMP Area	ABMP	13126.0	sq.ft
BMP Effective Depth, this is the design variable	dBMP	2.0	in
Upper level of the BMP surface (negative if above ground)	dBMPu	-2.0	in
Depth of lower surface of BMP, must be>=dBMPu	dEXC	0.0	in
Post-development Land Segment Location of BMP , Input Zero if Location is distributed or undetermined	SegBMP	2	unitless

Root Zone Water capacity Calculated Parameters

Parameter	Symbol	Value	Unit
Empty Portion of RWC under Post-D Natural Recharge	ERWC	0.00	in
ERWC Modified to consider dEXC	EDRWC	0.00	in
Empty Portion of RWC under Infilt. BMP	RERWC	0.00	in

Recharge Design Parameters

Parameter	Symbol	Value	Unit
Inches of Runoff to capture	Qdesign	0.27	in
Inches of Rainfall to capture	Pdesign	0.36	in
Recharge Provided Avg. over Imp. Area		15.9	in
Runoff Captured Avg. over imp. Area		15.9	in

BMP Calculated Size Parameters

ABMP/Aimp	Aratio	0.63	unitless
BMP Volume	VBMP	2,188	cu.ft

CALCULATION CHECK MESSAGES

Volume Balance-> Solve Problem to satisfy Annual Recharge
dBMP Check---> OK
dEXC Check---> OK
BMP Location---> OK

Parameters from Annual Recharge Worksheet

Post-D Deficit Recharge (or desired recharge volume)	Vdef	736,725	cu.ft
Post-D Impervious Area (or target Impervious Area)	Aimp	20,996	sq.ft
Root Zone Water Capacity	RWC	0.00	in
RWC Modified to consider dEXC	DRWC	0.00	in
Climatic Factor	C-factor	1.42	no units
Average Annual P	Pavg	44.6	in
Recharge Requirement over Imp. Area	dr	11.3	in

System Performance Calculated Parameters

Annual BMP Recharge Volume		1,032,889	cu.ft
Avg BMP Recharge Efficiency		100.0%	Represents % Infiltration Recharged
%Rainfall became Runoff		77.7%	%
%Runoff Infiltrated		1704.0%	%
%Runoff Recharged		45.8%	%
%Rainfall Recharged		35.5%	%

OTHER NOTES

Pdesign is accurate only after BMP dimensions are updated to make rech volume= deficit volume. The portion of BMP infiltration prior to filling and the area occupied by BMP are ignored in these calculations. Results are sensetive to dBMP, make sure dBMP selected is small enough for BMP to empty in less than 3 days. For land Segment Location of BMP if you select "impervious areas" RWC will be minimal but not zero as determined by the soil type and a shallow root zone for this Land Cover allowing consideration of lateral flow and other losses.

How to solve for different recharge volumes: By default the spreadsheet assigns the values of total deficit recharge volume "Vdef" and total proposed impervious area "Aimp" from the "Annual Recharge" sheet to "Vdef" and "Aimp" on this page. This allows solution for a single BMP to handle the entire recharge requirement assuming the runoff from entire impervious area is available to the BMP.
To solve for a smaller BMP or a LID-IMP to recharge only part of the recharge requirement, set Vdef to your target value and Aimp to impervious area directly connected to your infiltration facility and then solve for ABMP or dBMP. To go back to the default configuration clik the "Default Vdef & Aimp" button.

Project Name	Description	Analysis Date	BMP or LID Type
Venue at Hopewell	Subdivision	06/13/25	Basin 9

Recharge BMP Input Parameters

Parameter	Symbol	Value	Unit
BMP Area	ABMP	10720.0	sq.ft
BMP Effective Depth, this is the design variable	dBMP	3.5	in
Upper level of the BMP surface (negative if above ground)	dBMPu	-3.5	in
Depth of lower surface of BMP, must be>=dBMPu	dEXC	0.0	in
Post-development Land Segment Location of BMP , Input Zero if Location is distributed or undetermined	SegBMP	2	unitless

Root Zone Water capacity Calculated Parameters

Parameter	Symbol	Value	Unit
Empty Portion of RWC under Post-D Natural Recharge	ERWC	0.00	in
ERWC Modified to consider dEXC	EDRWC	0.00	in
Empty Portion of RWC under Infilt. BMP	RERWC	0.00	in

Recharge Design Parameters

Parameter	Symbol	Value	Unit
Inches of Runoff to capture	Qdesign	0.27	in
Inches of Rainfall to capture	Pdesign	0.36	in
Recharge Provided Avg. over Imp. Area		15.9	in
Runoff Captured Avg. over imp. Area		15.9	in

BMP Calculated Size Parameters

ABMP/Aimp	Aratio	0.31	unitless
BMP Volume	VBMP	3,127	cu.ft

CALCULATION CHECK MESSAGES

Volume Balance-> Solve Problem to satisfy Annual Recharge
dBMP Check---> OK
dEXC Check---> OK
BMP Location---> OK

Parameters from Annual Recharge Worksheet

Post-D Deficit Recharge (or desired recharge volume)	Vdef	736,725	cu.ft
Post-D Impervious Area (or target Impervious Area)	Aimp	34,456	sq.ft
Root Zone Water Capacity	RWC	0.00	in
RWC Modified to consider dEXC	DRWC	0.00	in
Climatic Factor	C-factor	1.42	no units
Average Annual P	Pavg	44.6	in
Recharge Requirement over Imp. Area	dr	11.3	in

System Performance Calculated Parameters

Annual BMP Recharge Volume		843,560	cu.ft
Avg BMP Recharge Efficiency		100.0%	Represents % Infiltration Recharged
%Rainfall became Runoff		77.7%	%
%Runoff Infiltrated		848.0%	%
%Runoff Recharged		37.4%	%
%Rainfall Recharged		29.0%	%

OTHER NOTES

Pdesign is accurate only after BMP dimensions are updated to make rech volume= deficit volume. The portion of BMP infiltration prior to filling and the area occupied by BMP are ignored in these calculations. Results are sensetive to dBMP, make sure dBMP selected is small enough for BMP to empty in less than 3 days. For land Segment Location of BMP if you select "impervious areas" RWC will be minimal but not zero as determined by the soil type and a shallow root zone for this Land Cover allowing consideration of lateral flow and other losses.

How to solve for different recharge volumes: By default the spreadsheet assigns the values of total deficit recharge volume "Vdef" and total proposed impervious area "Aimp" from the "Annual Recharge" sheet to "Vdef" and "Aimp" on this page. This allows solution for a single BMP to handle the entire recharge requirement assuming the runoff from entire impervious area is available to the BMP.
To solve for a smaller BMP or a LID-IMP to recharge only part of the recharge requirement, set Vdef to your target value and Aimp to impervious area directly connected to your infiltration facility and then solve for ABMP or dBMP. To go back to the default configuration clik the "Default Vdef & Aimp" button.

Project Name	Description	Analysis Date	BMP or LID Type
Venue at Hopewell	Subdivision	06/13/25	Basin 17A

Recharge BMP Input Parameters

Parameter	Symbol	Value	Unit
BMP Area	ABMP	5508.0	sq.ft
BMP Effective Depth, this is the design variable	dBMP	1.0	in
Upper level of the BMP surface (negative if above ground)	dBMPu	-2.2	in
Depth of lower surface of BMP, must be>=dBMPu	dEXC	0.0	in
Post-development Land Segment Location of BMP , Input Zero if Location is distributed or undetermined	SegBMP	2	unitless

Root Zone Water capacity Calculated Parameters

Parameter	Symbol	Value	Unit
Empty Portion of RWC under Post-D Natural Recharge	ERWC	0.00	in
ERWC Modified to consider dEXC	EDRWC	0.00	in
Empty Portion of RWC under Infilt. BMP	RERWC	0.00	in

Recharge Design Parameters

Parameter	Symbol	Value	Unit
Inches of Runoff to capture	Qdesign	0.27	in
Inches of Rainfall to capture	Pdesign	0.36	in
Recharge Provided Avg. over Imp. Area		15.9	in
Runoff Captured Avg. over imp. Area		15.9	in

BMP Calculated Size Parameters

ABMP/Aimp	Aratio	0.66	unitless
BMP Volume	VBMP	459	cu.ft

Parameters from Annual Recharge Worksheet

Post-D Deficit Recharge (or desired recharge volume)	Vdef	736,725	cu.ft
Post-D Impervious Area (or target Impervious Area)	Aimp	8,407	sq.ft
Root Zone Water Capacity	RWC	0.00	in
RWC Modified to consider dEXC	DRWC	0.00	in
Climatic Factor	C-factor	1.42	no units
Average Annual P	Pavg	44.6	in
Recharge Requirement over Imp. Area	dr	11.3	in

System Performance Calculated Parameters

Annual BMP Recharge Volume		433,426	cu.ft
Avg BMP Recharge Efficiency		100.0%	Represents % Infiltration Recharged
%Rainfall became Runoff		77.7%	%
%Runoff Infiltrated		1785.7%	%
%Runoff Recharged		19.2%	%
%Rainfall Recharged		14.9%	%

CALCULATION CHECK MESSAGES

Volume Balance-> Solve Problem to satisfy Annual Recharge
dBMP Check---> OK
dEXC Check---> OK
BMP Location---> OK

OTHER NOTES

Pdesign is accurate only after BMP dimensions are updated to make rech volume= deficit volume. The portion of BMP infiltration prior to filling and the area occupied by BMP are ignored in these calculations. Results are sensetive to dBMP, make sure dBMP selected is small enough for BMP to empty in less than 3 days. For land Segment Location of BMP if you select "impervious areas" RWC will be minimal but not zero as determined by the soil type and a shallow root zone for this Land Cover allowing consideration of lateral flow and other losses.

How to solve for different recharge volumes: By default the spreadsheet assigns the values of total deficit recharge volume "Vdef" and total proposed impervious area "Aimp" from the "Annual Recharge" sheet to "Vdef" and "Aimp" on this page. This allows solution for a single BMP to handle the entire recharge requirement assuming the runoff from entire impervious area is available to the BMP.
To solve for a smaller BMP or a LID-IMP to recharge only part of the recharge requirement, set Vdef to your target value and Aimp to impervious area directly connected to your infiltration facility and then solve for ABMP or dBMP. To go back to the default configuration clik the "Default Vdef & Aimp" button.

Project Name	Description	Analysis Date	BMP or LID Type
Venue at Hopewell	Subdivision	06/13/25	Basin 17B

Recharge BMP Input Parameters

Parameter	Symbol	Value	Unit
BMP Area	ABMP	6855.0	sq.ft
BMP Effective Depth, this is the design variable	dBMP	1.0	in
Upper level of the BMP surface (negative if above ground)	dBMPu	-3.7	in
Depth of lower surface of BMP, must be>=dBMPu	dEXC	0.0	in
Post-development Land Segment Location of BMP , Input Zero if Location is distributed or undetermined	SegBMP	2	unitless

Root Zone Water capacity Calculated Parameters

Parameter	Symbol	Value	Unit
Empty Portion of RWC under Post-D Natural Recharge	ERWC	0.00	in
ERWC Modified to consider dEXC	EDRWC	0.00	in
Empty Portion of RWC under Infilt. BMP	RERWC	0.00	in

Recharge Design Parameters

Parameter	Symbol	Value	Unit
Inches of Runoff to capture	Qdesign	0.27	in
Inches of Rainfall to capture	Pdesign	0.36	in
Recharge Provided Avg. over Imp. Area		15.9	in
Runoff Captured Avg. over imp. Area		15.9	in

BMP Calculated Size Parameters

ABMP/Aimp	Aratio	0.31	unitless
BMP Volume	VBMP	571	cu.ft

Parameters from Annual Recharge Worksheet

Parameter	Symbol	Value	Unit
Post-D Deficit Recharge (or desired recharge volume)	Vdef	736,725	cu.ft
Post-D Impervious Area (or target Impervious Area)	Aimp	22,390	sq.ft
Root Zone Water Capacity	RWC	0.00	in
RWC Modified to consider dEXC	DRWC	0.00	in
Climatic Factor	C-factor	1.42	no units
Average Annual P	Pavg	44.6	in
Recharge Requirement over Imp. Area	dr	11.3	in

System Performance Calculated Parameters

Annual BMP Recharge Volume		539,422	cu.ft
Avg BMP Recharge Efficiency		100.0%	Represents % Infiltration Recharged
%Rainfall became Runoff		77.7%	%
%Runoff Infiltrated		834.5%	%
%Runoff Recharged		23.9%	%
%Rainfall Recharged		18.6%	%

CALCULATION CHECK MESSAGES

Volume Balance-> Solve Problem to satisfy Annual Recharge
dBMP Check---> OK
dEXC Check---> OK
BMP Location---> OK

OTHER NOTES

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How to solve for different recharge volumes: By default the spreadsheet assigns the values of total deficit recharge volume "Vdef" and total proposed impervious area "Aimp" from the "Annual Recharge" sheet to "Vdef" and "Aimp" on this page. This allows solution for a single BMP to handle the entire recharge requirement assuming the runoff from entire impervious area is available to the BMP.
To solve for a smaller BMP or a LID-IMP to recharge only part of the recharge requirement, set Vdef to your target value and Aimp to impervious area directly connected to your infiltration facility and then solve for ABMP or dBMP. To go back to the default configuration clik the "Default Vdef & Aimp" button.

New Jersey Groundwater Recharge Spreadsheet

Annual Groundwater Recharge Analysis (based on GSR-32)

Select Township ↓	Average Annual P (in)	Climatic Factor
MERCER CO., HOPEWELL TWP	44.6	1.42

Project Name:	**Venue at Hopewell**
Description:	**Subdivision**
Analysis Date:	**06/13/25**

Pre-Developed Conditions

Land Segment	Area (acres)	TR-55 Land Cover	Soil	Annual Recharge (in)	Annual Recharge (cu.ft)
1	0.7392	Open space	Bowmansville	0.0	-
2	6.3712	Open space	Bucks	12.8	295,148
3	0.6336	Open space	Chalfont	11.7	26,998
4	3.5552	Open space	Klinesville	13.6	174,956
5	7.5856	Open space	Penn	11.5	316,397
6	7.5856	Row Crop	Penn	9.6	263,715
7	0.6336	Row Crop	Quakertown	8.1	18,615
8	8.1312	Open space	Reaville	11.5	339,325
9					
10					
11					
12					
13					
14					
15	0				
Total =	35.2			Total Annual Recharge (in)	Total Annual Recharge (cu-ft)
				11.2	1,435,154

Post-Developed Conditions

Land Segment	Area (acres)	TR-55 Land Cover	Soil	Annual Recharge (in)	Annual Recharge (cu.ft)
1	9.4688	Impervious areas	Penn	0.0	-
2	0.54033	Open space	Bowmansville	0.0	-
3	4.65713	Open space	Bucks	12.8	215,743
4	0.46314	Open space	Chalfont	11.7	19,735
5	2.59873	Open space	Klinesville	13.6	127,887
6	11.0896	Open space	Penn	11.5	462,550
7	0.46314	Open space	Quakertown	10.5	17,658
8	5.94363	Open space	Reaville	11.5	248,035
9					
10					
11					
12					
13					
14					
15					
Total =	35.2	Warning: make total area equal to Pre-Developed Condition		Total Annual Recharge (in)	Total Annual Recharge (cu.ft)
				8.5	1,091,607

Annual Recharge Requirements Calculation ↓

% of Pre-Developed Annual Recharge to Preserve =	100%	Total Impervious Area (sq.ft)
		412,461
Post-Development Annual Recharge Deficit=	***343,547***	(cubic feet)

Recharge Efficiency Parameters Calculations (area averages)

RWC=	#N/A	(in)	DRWC=	#N/A	(in)
ERWC =	#N/A	(in)	EDRWC=	#N/A	(in)

Procedure to fill the Pre-Development and Post-Development Conditions Tables

For each land segment, first enter the area, then select TR-55 Land Cover, then select Soil. Start from the top of the table and proceed downward. Don't leave blank rows (with A=0) in between your segment entries. Rows with A=0 will not be displayed or used in calculations. For impervious areas outside of standard lots select "Impervious Areas" as the Land Cover. Soil type for impervious areas are only required if an infiltration facility will be built within these areas.

Project Name	Description	Analysis Date	BMP or LID Type
Venue at Hopewell	Subdivision	06/13/25	Basin 18

Recharge BMP Input Parameters

Parameter	Symbol	Value	Unit
BMP Area	ABMP	7144.0	sq.ft
BMP Effective Depth, this is the design variable	dBMP	3.0	in
Upper level of the BMP surface (negative if above ground)	dBMPu	-3.0	in
Depth of lower surface of BMP, must be>=dBMPu	dEXC	0.0	in
Post-development Land Segment Location of BMP , Input Zero if Location is distributed or undetermined	SegBMP	4	unitless

Root Zone Water capacity Calculated Parameters

Parameter	Symbol	Value	Unit
Empty Portion of RWC under Post-D Natural Recharge	ERWC	1.05	in
ERWC Modified to consider dEXC	EDRWC	1.05	in
Empty Portion of RWC under Infilt. BMP	RERWC	0.82	in

Recharge Design Parameters

Parameter	Symbol	Value	Unit
Inches of Runoff to capture	Qdesign	0.52	in
Inches of Rainfall to capture	Pdesign	0.65	in
Recharge Provided Avg. over Imp. Area		23.3	in
Runoff Captured Avg. over imp. Area		23.3	in

BMP Calculated Size Parameters

ABMP/Aimp	Aratio	0.36	unitless
BMP Volume	VBMP	1,786	cu.ft

Parameters from Annual Recharge Worksheet

Parameter	Symbol	Value	Unit
Post-D Deficit Recharge (or desired recharge volume)	Vdef	343,547	cu.ft
Post-D Impervious Area (or target Impervious Area)	Aimp	19,602	sq.ft
Root Zone Water Capacity	RWC	3.63	in
RWC Modified to consider dEXC	DRWC	3.63	in
Climatic Factor	C-factor	1.42	no units
Average Annual P	Pavg	44.6	in
Recharge Requirement over Imp. Area	dr	10.0	in

System Performance Calculated Parameters

Annual BMP Recharge Volume		435,437	cu.ft
Avg BMP Recharge Efficiency		100.0%	Represents % Infiltration Recharged
%Rainfall became Runoff		77.7%	%
%Runoff Infiltrated		769.4%	%
%Runoff Recharged		36.6%	%
%Rainfall Recharged		28.4%	%

CALCULATION CHECK MESSAGES

Volume Balance-> Solve Problem to satisfy Annual Recharge
dBMP Check---> OK
dEXC Check---> OK
BMP Location---> OK

OTHER NOTES

Pdesign is accurate only after BMP dimensions are updated to make rech volume= deficit volume. The portion of BMP infiltration prior to filling and the area occupied by BMP are ignored in these calculations. Results are sensetive to dBMP, make sure dBMP selected is small enough for BMP to empty in less than 3 days. For land Segment Location of BMP if you select "impervious areas" RWC will be minimal but not zero as determined by the soil type and a shallow root zone for this Land Cover allowing consideration of lateral flow and other losses.

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To solve for a smaller BMP or a LID-IMP to recharge only part of the recharge requirement, set Vdef to your target value and Aimp to impervious area directly connected to your infiltration facility and then solve for ABMP or dBMP. To go back to the default configuration clik the "Default Vdef & Aimp" button.

Project Name	Description	Analysis Date	BMP or LID Type
Venue at Hopewell	Subdivision	06/13/25	Basin 19

Recharge BMP Input Parameters

Parameter	Symbol	Value	Unit
BMP Area	ABMP	7416.0	sq.ft
BMP Effective Depth, this is the design variable	dBMP	4.0	in
Upper level of the BMP surface (negative if above ground)	dBMPu	-4.0	in
Depth of lower surface of BMP, must be>=dBMPu	dEXC	0.0	in
Post-development Land Segment Location of BMP , Input Zero if Location is distributed or undetermined	SegBMP	4	unitless

Root Zone Water capacity Calculated Parameters

Parameter	Symbol	Value	Unit
Empty Portion of RWC under Post-D Natural Recharge	ERWC	1.05	in
ERWC Modified to consider dEXC	EDRWC	1.05	in
Empty Portion of RWC under Infilt. BMP	RERWC	0.82	in

Recharge Design Parameters

Parameter	Symbol	Value	Unit
Inches of Runoff to capture	Qdesign	0.52	in
Inches of Rainfall to capture	Pdesign	0.65	in
Recharge Provided Avg. over Imp. Area		23.3	in
Runoff Captured Avg. over imp. Area		23.3	in

BMP Calculated Size Parameters

ABMP/Aimp	Aratio	0.29	unitless
BMP Volume	VBMP	2,472	cu.ft

Parameters from Annual Recharge Worksheet

Post-D Deficit Recharge (or desired recharge volume)	Vdef	343,547	cu.ft
Post-D Impervious Area (or target Impervious Area)	Aimp	26,005	sq.ft
Root Zone Water Capacity	RWC	3.63	in
RWC Modified to consider dEXC	DRWC	3.63	in
Climatic Factor	C-factor	1.42	no units
Average Annual P	Pavg	44.6	in
Recharge Requirement over Imp. Area	dr	10.0	in

System Performance Calculated Parameters

Annual BMP Recharge Volume		452,016	cu.ft
Avg BMP Recharge Efficiency		100.0%	Represents % Infiltration Recharged
%Rainfall became Runoff		77.7%	%
%Runoff Infiltrated		602.0%	%
%Runoff Recharged		38.0%	%
%Rainfall Recharged		29.5%	%

CALCULATION CHECK MESSAGES

Volume Balance-> Solve Problem to satisfy Annual Recharge
dBMP Check---> OK
dEXC Check---> OK
BMP Location---> OK

OTHER NOTES

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How to solve for different recharge volumes: By default the spreadsheet assigns the values of total deficit recharge volume "Vdef" and total proposed impervious area "Aimp" from the "Annual Recharge" sheet to "Vdef" and "Aimp" on this page. This allows solution for a single BMP to handle the entire recharge requirement assuming the runoff from entire impervious area is available to the BMP.
To solve for a smaller BMP or a LID-IMP to recharge only part of the recharge requirement, set Vdef to your target value and Aimp to impervious area directly connected to your infiltration facility and then solve for ABMP or dBMP. To go back to the default configuration clik the "Default Vdef & Aimp" button.

Project Name	Description	Analysis Date	BMP or LID Type
Venue at Hopewell	Subdivision	06/13/25	Basin 27

Recharge BMP Input Parameters

Parameter	Symbol	Value	Unit
BMP Area	ABMP	4743.0	sq.ft
BMP Effective Depth, this is the design variable	dBMP	12.0	in
Upper level of the BMP surface (negative if above ground)	dBMPu	-12.0	in
Depth of lower surface of BMP, must be>=dBMPu	dEXC	0.0	in
Post-development Land Segment Location of BMP , Input Zero if Location is distributed or undetermined	SegBMP	6	unitless

Root Zone Water capacity Calculated Parameters

Parameter	Symbol	Value	Unit
Empty Portion of RWC under Post-D Natural Recharge	ERWC	1.18	in
ERWC Modified to consider dEXC	EDRWC	1.18	in
Empty Portion of RWC under Infilt. BMP	RERWC	0.93	in

Recharge Design Parameters

Parameter	Symbol	Value	Unit
Inches of Runoff to capture	Qdesign	0.52	in
Inches of Rainfall to capture	Pdesign	0.65	in
Recharge Provided Avg. over Imp. Area		23.3	in
Runoff Captured Avg. over imp. Area		23.3	in

BMP Calculated Size Parameters

ABMP/Aimp	Aratio	0.12	unitless
BMP Volume	VBMP	4,743	cu.ft

Parameters from Annual Recharge Worksheet

Post-D Deficit Recharge (or desired recharge volume)	Vdef	343,547	cu.ft
Post-D Impervious Area (or target Impervious Area)	Aimp	39,117	sq.ft
Root Zone Water Capacity	RWC	4.07	in
RWC Modified to consider dEXC	DRWC	4.07	in
Climatic Factor	C-factor	1.42	no units
Average Annual P	Pavg	44.6	in
Recharge Requirement over Imp. Area	dr	10.0	in

System Performance Calculated Parameters

Annual BMP Recharge Volume		289,093	cu.ft
Avg BMP Recharge Efficiency		100.0%	Represents % Infiltration Recharged
%Rainfall became Runoff		77.7%	%
%Runoff Infiltrated		256.0%	%
%Runoff Recharged		24.3%	%
%Rainfall Recharged		18.9%	%

CALCULATION CHECK MESSAGES

Volume Balance-> Solve Problem to satisfy Annual Recharge
dBMP Check---> OK
dEXC Check---> OK
BMP Location---> OK

OTHER NOTES

Pdesign is accurate only after BMP dimensions are updated to make rech volume= deficit volume. The portion of BMP infiltration prior to filling and the area occupied by BMP are ignored in these calculations. Results are sensetive to dBMP, make sure dBMP selected is small enough for BMP to empty in less than 3 days. For land Segment Location of BMP if you select "impervious areas" RWC will be minimal but not zero as determined by the soil type and a shallow root zone for this Land Cover allowing consideration of lateral flow and other losses.

How to solve for different recharge volumes: By default the spreadsheet assigns the values of total deficit recharge volume "Vdef" and total proposed impervious area "Aimp" from the "Annual Recharge" sheet to "Vdef" and "Aimp" on this page. This allows solution for a single BMP to handle the entire recharge requirement assuming the runoff from entire impervious area is available to the BMP.
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Project Name	Description	Analysis Date	BMP or LID Type
Venue at Hopewell	Subdivision	06/13/25	Basin 28

Recharge BMP Input Parameters

Parameter	Symbol	Value	Unit
BMP Area	ABMP	4683.0	sq.ft
BMP Effective Depth, this is the design variable	dBMP	12.0	in
Upper level of the BMP surface (negative if above ground)	dBMPu	-12.0	in
Depth of lower surface of BMP, must be>=dBMPu	dEXC	0.0	in
Post-development Land Segment Location of BMP , Input Zero if Location is distributed or undetermined	SegBMP	4	unitless

Root Zone Water capacity Calculated Parameters

Parameter	Symbol	Value	Unit
Empty Portion of RWC under Post-D Natural Recharge	ERWC	1.05	in
ERWC Modified to consider dEXC	EDRWC	1.05	in
Empty Portion of RWC under Infilt. BMP	RERWC	0.82	in

Recharge Design Parameters

Parameter	Symbol	Value	Unit
Inches of Runoff to capture	Qdesign	0.52	in
Inches of Rainfall to capture	Pdesign	0.65	in
Recharge Provided Avg. over Imp. Area		23.3	in
Runoff Captured Avg. over imp. Area		23.3	in

BMP Calculated Size Parameters

ABMP/Aimp	Aratio	0.13	unitless
BMP Volume	VBMP	4,683	cu.ft

Parameters from Annual Recharge Worksheet

Post-D Deficit Recharge (or desired recharge volume)	Vdef	343,547	cu.ft
Post-D Impervious Area (or target Impervious Area)	Aimp	35,414	sq.ft
Root Zone Water Capacity	RWC	3.63	in
RWC Modified to consider dEXC	DRWC	3.63	in
Climatic Factor	C-factor	1.42	no units
Average Annual P	Pavg	44.6	in
Recharge Requirement over Imp. Area	dr	10.0	in

System Performance Calculated Parameters

Annual BMP Recharge Volume		285,436	cu.ft
Avg BMP Recharge Efficiency		100.0%	Represents % Infiltration Recharged
%Rainfall became Runoff		77.7%	%
%Runoff Infiltrated		279.2%	%
%Runoff Recharged		24.0%	%
%Rainfall Recharged		18.6%	%

CALCULATION CHECK MESSAGES

Volume Balance-> Solve Problem to satisfy Annual Recharge
dBMP Check---> OK
dEXC Check---> OK
BMP Location---> OK

OTHER NOTES

Pdesign is accurate only after BMP dimensions are updated to make rech volume= deficit volume. The portion of BMP infiltration prior to filling and the area occupied by BMP are ignored in these calculations. Results are sensetive to dBMP, make sure dBMP selected is small enough for BMP to empty in less than 3 days. For land Segment Location of BMP if you select "impervious areas" RWC will be minimal but not zero as determined by the soil type and a shallow root zone for this Land Cover allowing consideration of lateral flow and other losses.

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New Jersey Groundwater Recharge Spreadsheet

Annual Groundwater Recharge Analysis (based on GSR-32)

Select Township ↓	Average Annual P (in)	Climatic Factor
MERCER CO., HOPEWELL TWP	44.6	1.42

Project Name:	**Venue at Hopewell**
Description:	**Subdivision**
Analysis Date:	**06/13/25**

Pre-Developed Conditions

Land Segment	Area (acres)	TR-55 Land Cover	Soil	Annual Recharge (in)	Annual Recharge (cu.ft)
1	2.03596	Woods-grass combination	Reaville	12.3	90,816
2	0.79668	Woods-grass combination	Penn	12.3	35,520
3	0.26556	Open space	Penn	11.5	11,077
4	10.1577	Row Crop	Penn	9.6	353,134
5	0.13278	Row Crop	Bucks	11.1	5,368
6	1.50484	Row Crop	Chalfont	9.9	53,951
7	5.06777	Row Crop	Quakertown	8.1	148,894
8	2.14661	Row Crop	Reaville	9.6	74,783
9					
10					
11					
12					
13					
14					
15	0				
Total =	22.1			Total Annual Recharge (in)	Total Annual Recharge (cu-ft)
				9.6	773,542

Post-Developed Conditions

Land Segment	Area (acres)	TR-55 Land Cover	Soil	Annual Recharge (in)	Annual Recharge (cu.ft)
1	8.4094	Impervious areas	Penn	0.0	-
2	1.7	Woods-grass combination	Reaville	12.3	75,830
3	6.09444	Open space	Penn	11.5	254,200
4	0.07212	Open space	Bucks	12.8	3,341
5	0.8174	Open space	Chalfont	11.7	34,830
6	2.75272	Open space	Quakertown	10.5	104,950
7	2.27189	Open space	Reaville	11.5	94,809
8					
9					
10					
11					
12					
13					
14					
15					
Total =	22.1	Warning: make total area equal to Pre-Developed Condition		Total Annual Recharge (in)	Total Annual Recharge (cu.ft)
				7.1	567,961

Annual Recharge Requirements Calculation ↓

% of Pre-Developed Annual Recharge to Preserve =	100%	Total Impervious Area (sq.ft)
		366,313
Post-Development Annual Recharge Deficit=	***205,581***	(cubic feet)

Recharge Efficiency Parameters Calculations (area averages)

RWC=	#N/A	(in)	DRWC=	#N/A	(in)
ERWC =	#N/A	(in)	EDRWC=	#N/A	(in)

Procedure to fill the Pre-Development and Post-Development Conditions Tables

For each land segment, first enter the area, then select TR-55 Land Cover, then select Soil. Start from the top of the table and proceed downward. Don't leave blank rows (with A=0) in between your segment entries. Rows with A=0 will not be displayed or used in calculations. For impervious areas outside of standard lots select "Impervious Areas" as the Land Cover. Soil type for impervious areas are only required if an infiltration facility will be built within these areas.

Project Name	Description	Analysis Date	BMP or LID Type
Venue at Hopewell	Subdivision	06/13/25	Basin 29

Recharge BMP Input Parameters

Parameter	Symbol	Value	Unit
BMP Area	ABMP	5666.0	sq.ft
BMP Effective Depth, this is the design variable	dBMP	3.2	in
Upper level of the BMP surface (negative if above ground)	dBMPu	-3.2	in
Depth of lower surface of BMP, must be>=dBMPu	dEXC	0.0	in
Post-development Land Segment Location of BMP , Input Zero if Location is distributed or undetermined	SegBMP	6	unitless

Root Zone Water capacity Calculated Parameters

Parameter	Symbol	Value	Unit
Empty Portion of RWC under Post-D Natural Recharge	ERWC	2.10	in
ERWC Modified to consider dEXC	EDRWC	2.10	in
Empty Portion of RWC under Infilt. BMP	RERWC	1.64	in

Recharge Design Parameters

Parameter	Symbol	Value	Unit
Inches of Runoff to capture	Qdesign	0.58	in
Inches of Rainfall to capture	Pdesign	0.72	in
Recharge Provided Avg. over Imp. Area		22.0	in
Runoff Captured Avg. over imp. Area		24.7	in

BMP Calculated Size Parameters

ABMP/Aimp	Aratio	0.35	unitless
BMP Volume	VBMP	1,530	cu.ft

Parameters from Annual Recharge Worksheet

Parameter	Symbol	Value	Unit
Post-D Deficit Recharge (or desired recharge volume)	Vdef	205,581	cu.ft
Post-D Impervious Area (or target Impervious Area)	Aimp	16,379	sq.ft
Root Zone Water Capacity	RWC	7.23	in
RWC Modified to consider dEXC	DRWC	7.23	in
Climatic Factor	C-factor	1.42	no units
Average Annual P	Pavg	44.6	in
Recharge Requirement over Imp. Area	dr	6.7	in

System Performance Calculated Parameters

Annual BMP Recharge Volume		290,456	cu.ft
Avg BMP Recharge Efficiency		89.4%	Represents % Infiltration Recharged
%Rainfall became Runoff		77.7%	%
%Runoff Infiltrated		687.0%	%
%Runoff Recharged		27.5%	%
%Rainfall Recharged		21.3%	%

CALCULATION CHECK MESSAGES

Volume Balance-> Solve Problem to satisfy Annual Recharge
dBMP Check---> OK
dEXC Check---> OK
BMP Location---> OK

OTHER NOTES

Pdesign is accurate only after BMP dimensions are updated to make rech volume= deficit volume. The portion of BMP infiltration prior to filling and the area occupied by BMP are ignored in these calculations. Results are sensetive to dBMP, make sure dBMP selected is small enough for BMP to empty in less than 3 days. For land Segment Location of BMP if you select "impervious areas" RWC will be minimal but not zero as determined by the soil type and a shallow root zone for this Land Cover allowing consideration of lateral flow and other losses.

How to solve for different recharge volumes: By default the spreadsheet assigns the values of total deficit recharge volume "Vdef" and total proposed impervious area "Aimp" from the "Annual Recharge" sheet to "Vdef" and "Aimp" on this page. This allows solution for a single BMP to handle the entire recharge requirement assuming the runoff from entire impervious area is available to the BMP.
To solve for a smaller BMP or a LID-IMP to recharge only part of the recharge requirement, set Vdef to your target value and Aimp to impervious area directly connected to your infiltration facility and then solve for ABMP or dBMP. To go back to the default configuration clik the "Default Vdef & Aimp" button.

Project Name	Description	Analysis Date	BMP or LID Type
Venue at Hopewell	Subdivision	06/13/25	Basin 34

Recharge BMP Input Parameters

Parameter	Symbol	Value	Unit
BMP Area	ABMP	4390.0	sq.ft
BMP Effective Depth, this is the design variable	dBMP	1.0	in
Upper level of the BMP surface (negative if above ground)	dBMPu	-1.0	in
Depth of lower surface of BMP, must be>=dBMPu	dEXC	0.0	in
Post-development Land Segment Location of BMP , Input Zero if Location is distributed or undetermined	SegBMP	6	unitless

Root Zone Water capacity Calculated Parameters

Parameter	Symbol	Value	Unit
Empty Portion of RWC under Post-D Natural Recharge	ERWC	2.10	in
ERWC Modified to consider dEXC	EDRWC	2.10	in
Empty Portion of RWC under Infilt. BMP	RERWC	1.64	in

Recharge Design Parameters

Parameter	Symbol	Value	Unit
Inches of Runoff to capture	Qdesign	0.58	in
Inches of Rainfall to capture	Pdesign	0.72	in
Recharge Provided Avg. over Imp. Area		22.0	in
Runoff Captured Avg. over imp. Area		24.7	in

BMP Calculated Size Parameters

ABMP/Aimp	Aratio	0.24	unitless
BMP Volume	VBMP	366	cu.ft

CALCULATION CHECK MESSAGES

Volume Balance-> Solve Problem to satisfy Annual Recharge
dBMP Check---> OK
dEXC Check---> OK
BMP Location---> OK

Parameters from Annual Recharge Worksheet

Post-D Deficit Recharge (or desired recharge volume)	Vdef	205,581	cu.ft
Post-D Impervious Area (or target Impervious Area)	Aimp	18,339	sq.ft
Root Zone Water Capacity	RWC	7.23	in
RWC Modified to consider dEXC	DRWC	7.23	in
Climatic Factor	C-factor	1.42	no units
Average Annual P	Pavg	44.6	in
Recharge Requirement over Imp. Area	dr	6.7	in

System Performance Calculated Parameters

Annual BMP Recharge Volume		225,044	cu.ft
Avg BMP Recharge Efficiency		89.4%	Represents % Infiltration Recharged
%Rainfall became Runoff		77.7%	%
%Runoff Infiltrated		475.4%	%
%Runoff Recharged		21.3%	%
%Rainfall Recharged		16.5%	%

OTHER NOTES

Pdesign is accurate only after BMP dimensions are updated to make rech volume= deficit volume. The portion of BMP infiltration prior to filling and the area occupied by BMP are ignored in these calculations. Results are sensetive to dBMP, make sure dBMP selected is small enough for BMP to empty in less than 3 days. For land Segment Location of BMP if you select "impervious areas" RWC will be minimal but not zero as determined by the soil type and a shallow root zone for this Land Cover allowing consideration of lateral flow and other losses.

How to solve for different recharge volumes: By default the spreadsheet assigns the values of total deficit recharge volume "Vdef" and total proposed impervious area "Aimp" from the "Annual Recharge" sheet to "Vdef" and "Aimp" on this page. This allows solution for a single BMP to handle the entire recharge requirement assuming the runoff from entire impervious area is available to the BMP.
To solve for a smaller BMP or a LID-IMP to recharge only part of the recharge requirement, set Vdef to your target value and Aimp to impervious area directly connected to your infiltration facility and then solve for ABMP or dBMP. To go back to the default configuration clik the "Default Vdef & Aimp" button.

Project Name	Description	Analysis Date	BMP or LID Type
Venue at Hopewell	Subdivision	06/13/25	Basin 35

Recharge BMP Input Parameters

Parameter	Symbol	Value	Unit
BMP Area	ABMP	2647.0	sq.ft
BMP Effective Depth, this is the design variable	dBMP	17.3	in
Upper level of the BMP surface (negative if above ground)	dBMPu	-17.3	in
Depth of lower surface of BMP, must be>=dBMPu	dEXC	0.0	in
Post-development Land Segment Location of BMP , Input Zero if Location is distributed or undetermined	SegBMP	6	unitless

Root Zone Water capacity Calculated Parameters

Parameter	Symbol	Value	Unit
Empty Portion of RWC under Post-D Natural Recharge	ERWC	2.10	in
ERWC Modified to consider dEXC	EDRWC	2.10	in
Empty Portion of RWC under Infilt. BMP	RERWC	1.64	in

Recharge Design Parameters

Parameter	Symbol	Value	Unit
Inches of Runoff to capture	Qdesign	0.58	in
Inches of Rainfall to capture	Pdesign	0.72	in
Recharge Provided Avg. over Imp. Area		22.0	in
Runoff Captured Avg. over imp. Area		24.7	in

BMP Calculated Size Parameters

ABMP/Aimp	Aratio	0.05	unitless
BMP Volume	VBMP	3,812	cu.ft

CALCULATION CHECK MESSAGES

Volume Balance-> Solve Problem to satisfy Annual Recharge
dBMP Check---> OK
dEXC Check---> OK
BMP Location---> OK

Parameters from Annual Recharge Worksheet

Post-D Deficit Recharge (or desired recharge volume)	Vdef	205,581	cu.ft
Post-D Impervious Area (or target Impervious Area)	Aimp	56,933	sq.ft
Root Zone Water Capacity	RWC	7.23	in
RWC Modified to consider dEXC	DRWC	7.23	in
Climatic Factor	C-factor	1.42	no units
Average Annual P	Pavg	44.6	in
Recharge Requirement over Imp. Area	dr	6.7	in

System Performance Calculated Parameters

Annual BMP Recharge Volume		135,693	cu.ft
Avg BMP Recharge Efficiency		89.4%	Represents % Infiltration Recharged
%Rainfall became Runoff		77.7%	%
%Runoff Infiltrated		92.3%	%
%Runoff Recharged		12.8%	%
%Rainfall Recharged		10.0%	%

OTHER NOTES

Pdesign is accurate only after BMP dimensions are updated to make rech volume= deficit volume. The portion of BMP infiltration prior to filling and the area occupied by BMP are ignored in these calculations. Results are sensetive to dBMP, make sure dBMP selected is small enough for BMP to empty in less than 3 days. For land Segment Location of BMP if you select "impervious areas" RWC will be minimal but not zero as determined by the soil type and a shallow root zone for this Land Cover allowing consideration of lateral flow and other losses.

How to solve for different recharge volumes: By default the spreadsheet assigns the values of total deficit recharge volume "Vdef" and total proposed impervious area "Aimp" from the "Annual Recharge" sheet to "Vdef" and "Aimp" on this page. This allows solution for a single BMP to handle the entire recharge requirement assuming the runoff from entire impervious area is available to the BMP.
To solve for a smaller BMP or a LID-IMP to recharge only part of the recharge requirement, set Vdef to your target value and Aimp to impervious area directly connected to your infiltration facility and then solve for ABMP or dBMP. To go back to the default configuration clik the "Default Vdef & Aimp" button.

Project Name	Description	Analysis Date	BMP or LID Type
Venue at Hopewell	Subdivision	06/13/25	Basin 36A

Recharge BMP Input Parameters

Parameter	Symbol	Value	Unit
BMP Area	ABMP	2366.0	sq.ft
BMP Effective Depth, this is the design variable	dBMP	14.9	in
Upper level of the BMP surface (negative if above ground)	dBMPu	-14.9	in
Depth of lower surface of BMP, must be>=dBMPu	dEXC	0.0	in
Post-development Land Segment Location of BMP , Input Zero if Location is distributed or undetermined	SegBMP	6	unitless

Root Zone Water capacity Calculated Parameters

Parameter	Symbol	Value	Unit
Empty Portion of RWC under Post-D Natural Recharge	ERWC	2.10	in
ERWC Modified to consider dEXC	EDRWC	2.10	in
Empty Portion of RWC under Infilt. BMP	RERWC	1.64	in

Recharge Design Parameters

Parameter	Symbol	Value	Unit
Inches of Runoff to capture	Qdesign	0.58	in
Inches of Rainfall to capture	Pdesign	0.72	in
Recharge Provided Avg. over Imp. Area		22.0	in
Runoff Captured Avg. over imp. Area		24.7	in

BMP Calculated Size Parameters

ABMP/Aimp	Aratio	0.06	unitless
BMP Volume	VBMP	2,934	cu.ft

Parameters from Annual Recharge Worksheet

Parameter	Symbol	Value	Unit
Post-D Deficit Recharge (or desired recharge volume)	Vdef	205,581	cu.ft
Post-D Impervious Area (or target Impervious Area)	Aimp	42,035	sq.ft
Root Zone Water Capacity	RWC	7.23	in
RWC Modified to consider dEXC	DRWC	7.23	in
Climatic Factor	C-factor	1.42	no units
Average Annual P	Pavg	44.6	in
Recharge Requirement over Imp. Area	dr	6.7	in

System Performance Calculated Parameters

Annual BMP Recharge Volume		121,288	cu.ft
Avg BMP Recharge Efficiency		89.4%	Represents % Infiltration Recharged
%Rainfall became Runoff		77.7%	%
%Runoff Infiltrated		111.8%	%
%Runoff Recharged		11.5%	%
%Rainfall Recharged		8.9%	%

CALCULATION CHECK MESSAGES

Volume Balance-> Solve Problem to satisfy Annual Recharge
dBMP Check---> OK
dEXC Check---> OK
BMP Location---> OK

OTHER NOTES

Pdesign is accurate only after BMP dimensions are updated to make rech volume= deficit volume. The portion of BMP infiltration prior to filling and the area occupied by BMP are ignored in these calculations. Results are sensetive to dBMP, make sure dBMP selected is small enough for BMP to empty in less than 3 days. For land Segment Location of BMP if you select "impervious areas" RWC will be minimal but not zero as determined by the soil type and a shallow root zone for this Land Cover allowing consideration of lateral flow and other losses.

How to solve for different recharge volumes: By default the spreadsheet assigns the values of total deficit recharge volume "Vdef" and total proposed impervious area "Aimp" from the "Annual Recharge" sheet to "Vdef" and "Aimp" on this page. This allows solution for a single BMP to handle the entire recharge requirement assuming the runoff from entire impervious area is available to the BMP.
To solve for a smaller BMP or a LID-IMP to recharge only part of the recharge requirement, set Vdef to your target value and Aimp to impervious area directly connected to your infiltration facility and then solve for ABMP or dBMP. To go back to the default configuration clik the "Default Vdef & Aimp" button.

Project Name	Description	Analysis Date	BMP or LID Type
Venue at Hopewell	Subdivision	06/13/25	Basin 36B

Recharge BMP Input Parameters

Parameter	Symbol	Value	Unit
BMP Area	ABMP	2110.0	sq.ft
BMP Effective Depth, this is the design variable	dBMP	18.4	in
Upper level of the BMP surface (negative if above ground)	dBMPu	-18.4	in
Depth of lower surface of BMP, must be>=dBMPu	dEXC	0.0	in
Post-development Land Segment Location of BMP , Input Zero if Location is distributed or undetermined	SegBMP	6	unitless

Root Zone Water capacity Calculated Parameters

Parameter	Symbol	Value	Unit
Empty Portion of RWC under Post-D Natural Recharge	ERWC	2.10	in
ERWC Modified to consider dEXC	EDRWC	2.10	in
Empty Portion of RWC under Infilt. BMP	RERWC	1.64	in

Recharge Design Parameters

Parameter	Symbol	Value	Unit
Inches of Runoff to capture	Qdesign	0.58	in
Inches of Rainfall to capture	Pdesign	0.72	in
Recharge Provided Avg. over Imp. Area		22.0	in
Runoff Captured Avg. over imp. Area		24.7	in

BMP Calculated Size Parameters

ABMP/Aimp	Aratio	0.04	unitless
BMP Volume	VBMP	3,228	cu.ft

CALCULATION CHECK MESSAGES

Volume Balance-> Solve Problem to satisfy Annual Recharge
dBMP Check---> OK
dEXC Check---> OK
BMP Location---> OK

Parameters from Annual Recharge Worksheet

Post-D Deficit Recharge (or desired recharge volume)	Vdef	205,581	cu.ft
Post-D Impervious Area (or target Impervious Area)	Aimp	50,050	sq.ft
Root Zone Water Capacity	RWC	7.23	in
RWC Modified to consider dEXC	DRWC	7.23	in
Climatic Factor	C-factor	1.42	no units
Average Annual P	Pavg	44.6	in
Recharge Requirement over Imp. Area	dr	6.7	in

System Performance Calculated Parameters

Annual BMP Recharge Volume		108,165	cu.ft
Avg BMP Recharge Efficiency		89.4%	Represents % Infiltration Recharged
%Rainfall became Runoff		77.7%	%
%Runoff Infiltrated		83.7%	%
%Runoff Recharged		10.2%	%
%Rainfall Recharged		7.9%	%

OTHER NOTES

Pdesign is accurate only after BMP dimensions are updated to make rech volume= deficit volume. The portion of BMP infiltration prior to filling and the area occupied by BMP are ignored in these calculations. Results are sensetive to dBMP, make sure dBMP selected is small enough for BMP to empty in less than 3 days. For land Segment Location of BMP if you select "impervious areas" RWC will be minimal but not zero as determined by the soil type and a shallow root zone for this Land Cover allowing consideration of lateral flow and other losses.

How to solve for different recharge volumes: By default the spreadsheet assigns the values of total deficit recharge volume "Vdef" and total proposed impervious area "Aimp" from the "Annual Recharge" sheet to "Vdef" and "Aimp" on this page. This allows solution for a single BMP to handle the entire recharge requirement assuming the runoff from entire impervious area is available to the BMP.
To solve for a smaller BMP or a LID-IMP to recharge only part of the recharge requirement, set Vdef to your target value and Aimp to impervious area directly connected to your infiltration facility and then solve for ABMP or dBMP. To go back to the default configuration clik the "Default Vdef & Aimp" button.

Project Name	Description	Analysis Date	BMP or LID Type
Venue at Hopewell	Subdivision	06/13/25	Basin 37A

Recharge BMP Input Parameters

Parameter	Symbol	Value	Unit
BMP Area	ABMP	2990.0	sq.ft
BMP Effective Depth, this is the design variable	dBMP	9.2	in
Upper level of the BMP surface (negative if above ground)	dBMPu	-9.2	in
Depth of lower surface of BMP, must be>=dBMPu	dEXC	0.0	in
Post-development Land Segment Location of BMP , Input Zero if Location is distributed or undetermined	SegBMP	6	unitless

Root Zone Water capacity Calculated Parameters

Parameter	Symbol	Value	Unit
Empty Portion of RWC under Post-D Natural Recharge	ERWC	2.10	in
ERWC Modified to consider dEXC	EDRWC	2.10	in
Empty Portion of RWC under Infilt. BMP	RERWC	1.64	in

Recharge Design Parameters

Parameter	Symbol	Value	Unit
Inches of Runoff to capture	Qdesign	0.58	in
Inches of Rainfall to capture	Pdesign	0.72	in
Recharge Provided Avg. over Imp. Area		22.0	in
Runoff Captured Avg. over imp. Area		24.7	in

BMP Calculated Size Parameters

ABMP/Aimp	Aratio	0.08	unitless
BMP Volume	VBMP	2,302	cu.ft

Parameters from Annual Recharge Worksheet

Post-D Deficit Recharge (or desired recharge volume)	Vdef	205,581	cu.ft
Post-D Impervious Area (or target Impervious Area)	Aimp	37,200	sq.ft
Root Zone Water Capacity	RWC	7.23	in
RWC Modified to consider dEXC	DRWC	7.23	in
Climatic Factor	C-factor	1.42	no units
Average Annual P	Pavg	44.6	in
Recharge Requirement over Imp. Area	dr	6.7	in

System Performance Calculated Parameters

Annual BMP Recharge Volume		153,276	cu.ft
Avg BMP Recharge Efficiency		89.4%	Represents % Infiltration Recharged
%Rainfall became Runoff		77.7%	%
%Runoff Infiltrated		159.6%	%
%Runoff Recharged		14.5%	%
%Rainfall Recharged		11.3%	%

CALCULATION CHECK MESSAGES

Volume Balance-> Solve Problem to satisfy Annual Recharge
dBMP Check---> OK
dEXC Check---> OK
BMP Location---> OK

OTHER NOTES

Pdesign is accurate only after BMP dimensions are updated to make rech volume= deficit volume. The portion of BMP infiltration prior to filling and the area occupied by BMP are ignored in these calculations. Results are sensetive to dBMP, make sure dBMP selected is small enough for BMP to empty in less than 3 days. For land Segment Location of BMP if you select "impervious areas" RWC will be minimal but not zero as determined by the soil type and a shallow root zone for this Land Cover allowing consideration of lateral flow and other losses.

How to solve for different recharge volumes: By default the spreadsheet assigns the values of total deficit recharge volume "Vdef" and total proposed impervious area "Aimp" from the "Annual Recharge" sheet to "Vdef" and "Aimp" on this page. This allows solution for a single BMP to handle the entire recharge requirement assuming the runoff from entire impervious area is available to the BMP.
To solve for a smaller BMP or a LID-IMP to recharge only part of the recharge requirement, set Vdef to your target value and Aimp to impervious area directly connected to your infiltration facility and then solve for ABMP or dBMP. To go back to the default configuration clik the "Default Vdef & Aimp" button.

Project Name	Description	Analysis Date	BMP or LID Type
Venue at Hopewell	Subdivision	06/13/25	Basin 37B

Recharge BMP Input Parameters

Parameter	Symbol	Value	Unit
BMP Area	ABMP	3709.0	sq.ft
BMP Effective Depth, this is the design variable	dBMP	9.7	in
Upper level of the BMP surface (negative if above ground)	dBMPu	-9.7	in
Depth of lower surface of BMP, must be>=dBMPu	dEXC	0.0	in
Post-development Land Segment Location of BMP , Input Zero if Location is distributed or undetermined	SegBMP	6	unitless

Root Zone Water capacity Calculated Parameters

Parameter	Symbol	Value	Unit
Empty Portion of RWC under Post-D Natural Recharge	ERWC	2.10	in
ERWC Modified to consider dEXC	EDRWC	2.10	in
Empty Portion of RWC under Infilt. BMP	RERWC	1.64	in

Recharge Design Parameters

Parameter	Symbol	Value	Unit
Inches of Runoff to capture	Qdesign	0.58	in
Inches of Rainfall to capture	Pdesign	0.72	in
Recharge Provided Avg. over Imp. Area		22.0	in
Runoff Captured Avg. over imp. Area		24.7	in

BMP Calculated Size Parameters

ABMP/Aimp	Aratio	0.07	unitless
BMP Volume	VBMP	3,004	cu.ft

Parameters from Annual Recharge Worksheet

Parameter	Symbol	Value	Unit
Post-D Deficit Recharge (or desired recharge volume)	Vdef	205,581	cu.ft
Post-D Impervious Area (or target Impervious Area)	Aimp	50,704	sq.ft
Root Zone Water Capacity	RWC	7.23	in
RWC Modified to consider dEXC	DRWC	7.23	in
Climatic Factor	C-factor	1.42	no units
Average Annual P	Pavg	44.6	in
Recharge Requirement over Imp. Area	dr	6.7	in

System Performance Calculated Parameters

Annual BMP Recharge Volume		190,134	cu.ft
Avg BMP Recharge Efficiency		89.4%	Represents % Infiltration Recharged
%Rainfall became Runoff		77.7%	%
%Runoff Infiltrated		145.3%	%
%Runoff Recharged		18.0%	%
%Rainfall Recharged		14.0%	%

CALCULATION CHECK MESSAGES

Volume Balance-> Solve Problem to satisfy Annual Recharge
dBMP Check---> OK
dEXC Check---> OK
BMP Location---> OK

OTHER NOTES

Pdesign is accurate only after BMP dimensions are updated to make rech volume= deficit volume. The portion of BMP infiltration prior to filling and the area occupied by BMP are ignored in these calculations. Results are sensetive to dBMP, make sure dBMP selected is small enough for BMP to empty in less than 3 days. For land Segment Location of BMP if you select "impervious areas" RWC will be minimal but not zero as determined by the soil type and a shallow root zone for this Land Cover allowing consideration of lateral flow and other losses.

How to solve for different recharge volumes: By default the spreadsheet assigns the values of total deficit recharge volume "Vdef" and total proposed impervious area "Aimp" from the "Annual Recharge" sheet to "Vdef" and "Aimp" on this page. This allows solution for a single BMP to handle the entire recharge requirement assuming the runoff from entire impervious area is available to the BMP.
To solve for a smaller BMP or a LID-IMP to recharge only part of the recharge requirement, set Vdef to your target value and Aimp to impervious area directly connected to your infiltration facility and then solve for ABMP or dBMP. To go back to the default configuration clik the "Default Vdef & Aimp" button.

New Jersey Groundwater Recharge Spreadsheet

Annual Groundwater Recharge Analysis (based on GSR-32)

Select Township ↓	Average Annual P (in)	Climatic Factor
MERCER CO., HOPEWELL TWP	44.6	1.42

Project Name:	**Venue at Hopewell**
Description:	**Subdivision**
Analysis Date:	**06/13/25**

Pre-Developed Conditions

Land Segment	Area (acres)	TR-55 Land Cover	Soil	Annual Recharge (in)	Annual Recharge (cu.ft)
1	1.29315	Woods-grass combination	Bowmansville	0.0	-
2	11.184	Woods-grass combination	Bucks	13.2	535,543
3	9.10797	Woods-grass combination	Reaville	12.3	406,272
4	2.796	Row Crop	Bucks	11.1	113,029
5	6.0813	Row Crop	Chalfont	9.9	218,023
6	4.48758	Row Crop	Reaville	9.6	156,338
7					
8					
9					
10					
11					
12					
13					
14					
15					
Total =	35.0			Total Annual Recharge (in)	Total Annual Recharge (cu-ft)
				11.3	1,429,204

Post-Developed Conditions

Land Segment	Area (acres)	TR-55 Land Cover	Soil	Annual Recharge (in)	Annual Recharge (cu.ft)
1	7.50027	Impervious areas	Bucks	0.0	-
2	1.29315	Woods-grass combination	Bowmansville	0.0	-
3	8.16205	Woods-grass combination	Bucks	13.2	390,838
4	6.64697	Woods-grass combination	Reaville	12.3	296,496
5	4.53903	Open space	Bucks	12.8	210,272
6	2.39448	Open space	Chalfont	11.7	102,031
7	4.4142	Open space	Reaville	11.5	184,210
8					
9					
10					
11					
12					
13					
14					
15					
Total =	35.0	Warning: make total area equal to Pre-Developed Condition		Total Annual Recharge (in)	Total Annual Recharge (cu.ft)
				9.3	1,183,847

Annual Recharge Requirements Calculation ↓

% of Pre-Developed Annual Recharge to Preserve =	100%	Total Impervious Area (sq.ft)
		326,712
Post-Development Annual Recharge Deficit=	***245,357***	(cubic feet)

Recharge Efficiency Parameters Calculations (area averages)

RWC=	#N/A	(in)	DRWC=	#N/A	(in)
ERWC =	#N/A	(in)	EDRWC=	#N/A	(in)

Procedure to fill the Pre-Development and Post-Development Conditions Tables

For each land segment, first enter the area, then select TR-55 Land Cover, then select Soil. Start from the top of the table and proceed downward. Don't leave blank rows (with A=0) in between your segment entries. Rows with A=0 will not be displayed or used in calculations. For impervious areas outside of standard lots select "Impervious Areas" as the Land Cover. Soil type for impervious areas are only required if an infiltration facility will be built within these areas.

Project Name	Description	Analysis Date	BMP or LID Type
Venue at Hopewell	Subdivision	06/13/25	Basin 41

Recharge BMP Input Parameters

Parameter	Symbol	Value	Unit
BMP Area	ABMP	3695.0	sq.ft
BMP Effective Depth, this is the design variable	dBMP	8.3	in
Upper level of the BMP surface (negative if above ground)	dBMPu	-8.3	in
Depth of lower surface of BMP, must be>=dBMPu	dEXC	0.0	in
Post-development Land Segment Location of BMP , Input Zero if Location is distributed or undetermined	SegBMP	6	unitless

Root Zone Water capacity Calculated Parameters

Parameter	Symbol	Value	Unit
Empty Portion of RWC under Post-D Natural Recharge	ERWC	1.05	in
ERWC Modified to consider dEXC	EDRWC	1.05	in
Empty Portion of RWC under Infilt. BMP	RERWC	0.82	in

Recharge Design Parameters

Parameter	Symbol	Value	Unit
Inches of Runoff to capture	Qdesign	0.66	in
Inches of Rainfall to capture	Pdesign	0.81	in
Recharge Provided Avg. over Imp. Area		25.9	in
Runoff Captured Avg. over imp. Area		25.9	in

BMP Calculated Size Parameters

ABMP/Aimp	Aratio	0.23	unitless
BMP Volume	VBMP	2,556	cu.ft

Parameters from Annual Recharge Worksheet

Post-D Deficit Recharge (or desired recharge volume)	Vdef	245,357	cu.ft
Post-D Impervious Area (or target Impervious Area)	Aimp	16,379	sq.ft
Root Zone Water Capacity	RWC	3.63	in
RWC Modified to consider dEXC	DRWC	3.63	in
Climatic Factor	C-factor	1.42	no units
Average Annual P	Pavg	44.6	in
Recharge Requirement over Imp. Area	dr	9.0	in

System Performance Calculated Parameters

Annual BMP Recharge Volume		198,809	cu.ft
Avg BMP Recharge Efficiency		100.0%	Represents % Infiltration Recharged
%Rainfall became Runoff		77.7%	%
%Runoff Infiltrated		420.4%	%
%Runoff Recharged		21.1%	%
%Rainfall Recharged		16.4%	%

CALCULATION CHECK MESSAGES

Volume Balance-> Solve Problem to satisfy Annual Recharge
dBMP Check---> OK
dEXC Check---> OK
BMP Location---> OK

OTHER NOTES

Pdesign is accurate only after BMP dimensions are updated to make rech volume= deficit volume. The portion of BMP infiltration prior to filling and the area occupied by BMP are ignored in these calculations. Results are sensetive to dBMP, make sure dBMP selected is small enough for BMP to empty in less than 3 days. For land Segment Location of BMP if you select "impervious areas" RWC will be minimal but not zero as determined by the soil type and a shallow root zone for this Land Cover allowing consideration of lateral flow and other losses.

How to solve for different recharge volumes: By default the spreadsheet assigns the values of total deficit recharge volume "Vdef" and total proposed impervious area "Aimp" from the "Annual Recharge" sheet to "Vdef" and "Aimp" on this page. This allows solution for a single BMP to handle the entire recharge requirement assuming the runoff from entire impervious area is available to the BMP.
To solve for a smaller BMP or a LID-IMP to recharge only part of the recharge requirement, set Vdef to your target value and Aimp to impervious area directly connected to your infiltration facility and then solve for ABMP or dBMP. To go back to the default configuration clik the "Default Vdef & Aimp" button.

Project Name	Description	Analysis Date	BMP or LID Type
Venue at Hopewell	Subdivision	06/13/25	Basin 42

Recharge BMP Input Parameters

Parameter	Symbol	Value	Unit
BMP Area	ABMP	2142.0	sq.ft
BMP Effective Depth, this is the design variable	dBMP	6.4	in
Upper level of the BMP surface (negative if above ground)	dBMPu	-6.4	in
Depth of lower surface of BMP, must be>=dBMPu	dEXC	0.0	in
Post-development Land Segment Location of BMP , Input Zero if Location is distributed or undetermined	SegBMP	6	unitless

Root Zone Water capacity Calculated Parameters

Parameter	Symbol	Value	Unit
Empty Portion of RWC under Post-D Natural Recharge	ERWC	1.05	in
ERWC Modified to consider dEXC	EDRWC	1.05	in
Empty Portion of RWC under Infilt. BMP	RERWC	0.82	in

Recharge Design Parameters

Parameter	Symbol	Value	Unit
Inches of Runoff to capture	Qdesign	0.66	in
Inches of Rainfall to capture	Pdesign	0.81	in
Recharge Provided Avg. over Imp. Area		25.9	in
Runoff Captured Avg. over imp. Area		25.9	in

BMP Calculated Size Parameters

ABMP/Aimp	Aratio	0.13	unitless
BMP Volume	VBMP	1,142	cu.ft

Parameters from Annual Recharge Worksheet

Post-D Deficit Recharge (or desired recharge volume)	Vdef	245,357	cu.ft
Post-D Impervious Area (or target Impervious Area)	Aimp	16,379	sq.ft
Root Zone Water Capacity	RWC	3.63	in
RWC Modified to consider dEXC	DRWC	3.63	in
Climatic Factor	C-factor	1.42	no units
Average Annual P	Pavg	44.6	in
Recharge Requirement over Imp. Area	dr	9.0	in

System Performance Calculated Parameters

Annual BMP Recharge Volume		115,250	cu.ft
Avg BMP Recharge Efficiency		100.0%	Represents % Infiltration Recharged
%Rainfall became Runoff		77.7%	%
%Runoff Infiltrated		243.7%	%
%Runoff Recharged		12.2%	%
%Rainfall Recharged		9.5%	%

CALCULATION CHECK MESSAGES

Volume Balance-> Solve Problem to satisfy Annual Recharge
dBMP Check---> OK
dEXC Check---> OK
BMP Location---> OK

OTHER NOTES

Pdesign is accurate only after BMP dimensions are updated to make rech volume= deficit volume. The portion of BMP infiltration prior to filling and the area occupied by BMP are ignored in these calculations. Results are sensetive to dBMP, make sure dBMP selected is small enough for BMP to empty in less than 3 days. For land Segment Location of BMP if you select "impervious areas" RWC will be minimal but not zero as determined by the soil type and a shallow root zone for this Land Cover allowing consideration of lateral flow and other losses.

How to solve for different recharge volumes: By default the spreadsheet assigns the values of total deficit recharge volume "Vdef" and total proposed impervious area "Aimp" from the "Annual Recharge" sheet to "Vdef" and "Aimp" on this page. This allows solution for a single BMP to handle the entire recharge requirement assuming the runoff from entire impervious area is available to the BMP.
To solve for a smaller BMP or a LID-IMP to recharge only part of the recharge requirement, set Vdef to your target value and Aimp to impervious area directly connected to your infiltration facility and then solve for ABMP or dBMP. To go back to the default configuration clik the "Default Vdef & Aimp" button.

Project Name	Description	Analysis Date	BMP or LID Type
Venue at Hopewell	Subdivision	06/13/25	Basin 43

Recharge BMP Input Parameters

Parameter	Symbol	Value	Unit
BMP Area	ABMP	4447.0	sq.ft
BMP Effective Depth, this is the design variable	dBMP	6.4	in
Upper level of the BMP surface (negative if above ground)	dBMPu	-6.4	in
Depth of lower surface of BMP, must be>=dBMPu	dEXC	0.0	in
Post-development Land Segment Location of BMP , Input Zero if Location is distributed or undetermined	SegBMP	6	unitless

Root Zone Water capacity Calculated Parameters

Parameter	Symbol	Value	Unit
Empty Portion of RWC under Post-D Natural Recharge	ERWC	1.05	in
ERWC Modified to consider dEXC	EDRWC	1.05	in
Empty Portion of RWC under Infilt. BMP	RERWC	0.82	in

Recharge Design Parameters

Parameter	Symbol	Value	Unit
Inches of Runoff to capture	Qdesign	0.66	in
Inches of Rainfall to capture	Pdesign	0.81	in
Recharge Provided Avg. over Imp. Area		25.9	in
Runoff Captured Avg. over imp. Area		25.9	in

BMP Calculated Size Parameters

ABMP/Aimp	Aratio	0.27	unitless
BMP Volume	VBMP	2,372	cu.ft

CALCULATION CHECK MESSAGES

Volume Balance-> Solve Problem to satisfy Annual Recharge
dBMP Check---> OK
dEXC Check---> OK
BMP Location---> OK

Parameters from Annual Recharge Worksheet

Post-D Deficit Recharge (or desired recharge volume)	Vdef	245,357	cu.ft
Post-D Impervious Area (or target Impervious Area)	Aimp	16,379	sq.ft
Root Zone Water Capacity	RWC	3.63	in
RWC Modified to consider dEXC	DRWC	3.63	in
Climatic Factor	C-factor	1.42	no units
Average Annual P	Pavg	44.6	in
Recharge Requirement over Imp. Area	dr	9.0	in

System Performance Calculated Parameters

Annual BMP Recharge Volume		239,270	cu.ft
Avg BMP Recharge Efficiency		100.0%	Represents % Infiltration Recharged
%Rainfall became Runoff		77.7%	%
%Runoff Infiltrated		506.0%	%
%Runoff Recharged		25.4%	%
%Rainfall Recharged		19.7%	%

OTHER NOTES

Pdesign is accurate only after BMP dimensions are updated to make rech volume= deficit volume. The portion of BMP infiltration prior to filling and the area occupied by BMP are ignored in these calculations. Results are sensetive to dBMP, make sure dBMP selected is small enough for BMP to empty in less than 3 days. For land Segment Location of BMP if you select "impervious areas" RWC will be minimal but not zero as determined by the soil type and a shallow root zone for this Land Cover allowing consideration of lateral flow and other losses.

How to solve for different recharge volumes: By default the spreadsheet assigns the values of total deficit recharge volume "Vdef" and total proposed impervious area "Aimp" from the "Annual Recharge" sheet to "Vdef" and "Aimp" on this page. This allows solution for a single BMP to handle the entire recharge requirement assuming the runoff from entire impervious area is available to the BMP.
To solve for a smaller BMP or a LID-IMP to recharge only part of the recharge requirement, set Vdef to your target value and Aimp to impervious area directly connected to your infiltration facility and then solve for ABMP or dBMP. To go back to the default configuration clik the "Default Vdef & Aimp" button.

Project Name	Description	Analysis Date	BMP or LID Type
Venue at Hopewell	Subdivision	06/13/25	Basin 45

Recharge BMP Input Parameters

Parameter	Symbol	Value	Unit
BMP Area	ABMP	7365.0	sq.ft
BMP Effective Depth, this is the design variable	dBMP	9.0	in
Upper level of the BMP surface (negative if above ground)	dBMPu	-9.0	in
Depth of lower surface of BMP, must be>=dBMPu	dEXC	0.0	in
Post-development Land Segment Location of BMP , Input Zero if Location is distributed or undetermined	SegBMP	6	unitless

Root Zone Water capacity Calculated Parameters

Parameter	Symbol	Value	Unit
Empty Portion of RWC under Post-D Natural Recharge	ERWC	1.05	in
ERWC Modified to consider dEXC	EDRWC	1.05	in
Empty Portion of RWC under Infilt. BMP	RERWC	0.82	in

Recharge Design Parameters

Parameter	Symbol	Value	Unit
Inches of Runoff to capture	Qdesign	0.66	in
Inches of Rainfall to capture	Pdesign	0.81	in
Recharge Provided Avg. over Imp. Area		25.9	in
Runoff Captured Avg. over imp. Area		25.9	in

BMP Calculated Size Parameters

ABMP/Aimp	Aratio	0.45	unitless
BMP Volume	VBMP	5,524	cu.ft

Parameters from Annual Recharge Worksheet

Parameter	Symbol	Value	Unit
Post-D Deficit Recharge (or desired recharge volume)	Vdef	245,357	cu.ft
Post-D Impervious Area (or target Impervious Area)	Aimp	16,379	sq.ft
Root Zone Water Capacity	RWC	3.63	in
RWC Modified to consider dEXC	DRWC	3.63	in
Climatic Factor	C-factor	1.42	no units
Average Annual P	Pavg	44.6	in
Recharge Requirement over Imp. Area	dr	9.0	in

System Performance Calculated Parameters

Parameter		Value	Unit
Annual BMP Recharge Volume		396,273	cu.ft
Avg BMP Recharge Efficiency		100.0%	Represents % Infiltration Recharged
%Rainfall became Runoff		77.7%	%
%Runoff Infiltrated		838.0%	%
%Runoff Recharged		42.0%	%
%Rainfall Recharged		32.6%	%

CALCULATION CHECK MESSAGES

Volume Balance-> Solve Problem to satisfy Annual Recharge
dBMP Check---> OK
dEXC Check---> OK
BMP Location---> OK

OTHER NOTES

Pdesign is accurate only after BMP dimensions are updated to make rech volume= deficit volume. The portion of BMP infiltration prior to filling and the area occupied by BMP are ignored in these calculations. Results are sensetive to dBMP, make sure dBMP selected is small enough for BMP to empty in less than 3 days. For land Segment Location of BMP if you select "impervious areas" RWC will be minimal but not zero as determined by the soil type and a shallow root zone for this Land Cover allowing consideration of lateral flow and other losses.

How to solve for different recharge volumes: By default the spreadsheet assigns the values of total deficit recharge volume "Vdef" and total proposed impervious area "Aimp" from the "Annual Recharge" sheet to "Vdef" and "Aimp" on this page. This allows solution for a single BMP to handle the entire recharge requirement assuming the runoff from entire impervious area is available to the BMP.
To solve for a smaller BMP or a LID-IMP to recharge only part of the recharge requirement, set Vdef to your target value and Aimp to impervious area directly connected to your infiltration facility and then solve for ABMP or dBMP. To go back to the default configuration clik the "Default Vdef & Aimp" button.

New Jersey Groundwater Recharge Spreadsheet

Annual Groundwater Recharge Analysis (based on GSR-32)

Select Township ↓	Average Annual P (in)	Climatic Factor
MERCER CO., HOPEWELL TWP	44.6	1.42

Project Name:	**Venue at Hopewell**
Description:	**Subdivision**
Analysis Date:	**06/13/25**

Pre-Developed Conditions

Land Segment	Area (acres)	TR-55 Land Cover	Soil	Annual Recharge (in)	Annual Recharge (cu.ft)
1	2.82072	Row Crop	Bucks	11.1	114,028
2	3.29376	Row Crop	Chalfont	9.9	118,086
3	0.90228	Woods	Doylestown	0.0	-
4	1.73448	Row Crop	Reaville	9.6	60,426
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15	0				
Total =	8.8			Total Annual Recharge (in)	Total Annual Recharge (cu-ft)
				9.2	292,539

Post-Developed Conditions

Land Segment	Area (acres)	TR-55 Land Cover	Soil	Annual Recharge (in)	Annual Recharge (cu.ft)
1	2.83211	Impervious areas	Chalfont	0.0	-
2	1.90878	Open space	Bucks	12.8	88,425
3	2.22889	Open space	Chalfont	11.7	94,975
4	0.61057	Open space	Doylestown	0.0	-
5	1.17372	Open space	Reaville	11.5	48,981
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
Total =	8.8	Warning: make total area equal to Pre-Developed Condition		Total Annual Recharge (in)	Total Annual Recharge (cu.ft)
				7.3	232,381

Annual Recharge Requirements Calculation ↓

% of Pre-Developed Annual Recharge to Preserve =	100%	Total Impervious Area (sq.ft)	123,367
Post-Development Annual Recharge Deficit=	***60,158***	(cubic feet)	

Recharge Efficiency Parameters Calculations (area averages)

RWC=	#N/A	(in)	DRWC=	#N/A	(in)
ERWC =	#N/A	(in)	EDRWC=	#N/A	(in)

Procedure to fill the Pre-Development and Post-Development Conditions Tables

For each land segment, first enter the area, then select TR-55 Land Cover, then select Soil. Start from the top of the table and proceed downward. Don't leave blank rows (with A=0) in between your segment entries. Rows with A=0 will not be displayed or used in calculations. For impervious areas outside of standard lots select "Impervious Areas" as the Land Cover. Soil type for impervious areas are only required if an infiltration facility will be built within these areas.

Project Name	Description	Analysis Date	BMP or LID Type
Venue at Hopewell	Subdivision	06/13/25	Basin 49

Recharge BMP Input Parameters

Parameter	Symbol	Value	Unit
BMP Area	ABMP	6565.0	sq.ft
BMP Effective Depth, this is the design variable	dBMP	6.6	in
Upper level of the BMP surface (negative if above ground)	dBMPu	-6.0	in
Depth of lower surface of BMP, must be>=dBMPu	dEXC	0.0	in
Post-development Land Segment Location of BMP , Input Zero if Location is distributed or undetermined	SegBMP	6	unitless

Root Zone Water capacity Calculated Parameters

Parameter	Symbol	Value	Unit
Empty Portion of RWC under Post-D Natural Recharge	ERWC	#N/A	in
ERWC Modified to consider dEXC	EDRWC	#N/A	in
Empty Portion of RWC under Infilt. BMP	RERWC	#N/A	in

Recharge Design Parameters

Parameter	Symbol	Value	Unit
Inches of Runoff to capture	Qdesign	1.98	in
Inches of Rainfall to capture	Pdesign	2.20	in
Recharge Provided Avg. over Imp. Area		21.6	in
Runoff Captured Avg. over imp. Area		33.3	in

BMP Calculated Size Parameters

ABMP/Aimp	Aratio	0.40	unitless
BMP Volume	VBMP	3,611	cu.ft

CALCULATION CHECK MESSAGES

Volume Balance-> **Solve Problem to satisfy Annual Recharge**
dBMP Check---> **dBMP must be<=dEXC-dBMPu, adjust parameters**
dEXC Check---> **OK**

BMP Location---> **Land Segment Number Selected for BMP is not Defined**

Parameters from Annual Recharge Worksheet

Parameter	Symbol	Value	Unit
Post-D Deficit Recharge (or desired recharge volume)	Vdef	60,158	cu.ft
Post-D Impervious Area (or target Impervious Area)	Aimp	16,379	sq.ft
Root Zone Water Capacity	RWC	#N/A	in
RWC Modified to consider dEXC	DRWC	#N/A	in
Climatic Factor	C-factor	1.42	no units
Average Annual P	Pavg	44.6	in
Recharge Requirement over Imp. Area	dr	5.9	in

System Performance Calculated Parameters

Parameter		Value	Unit
Annual BMP Recharge Volume		111,255	cu.ft
Avg BMP Recharge Efficiency		65.0%	Represents % Infiltration Recharged
%Rainfall became Runoff		77.7%	%
%Runoff Infiltrated		362.0%	%
%Runoff Recharged		31.2%	%
%Rainfall Recharged		24.3%	%

OTHER NOTES

Pdesign is accurate only after BMP dimensions are updated to make rech volume= deficit volume. The portion of BMP infiltration prior to filling and the area occupied by BMP are ignored in these calculations. Results are sensetive to dBMP, make sure dBMP selected is small enough for BMP to empty in less than 3 days. For land Segment Location of BMP if you select "impervious areas" RWC will be minimal but not zero as determined by the soil type and a shallow root zone for this Land Cover allowing consideration of lateral flow and other losses.

How to solve for different recharge volumes: By default the spreadsheet assigns the values of total deficit recharge volume "Vdef" and total proposed impervious area "Aimp" from the "Annual Recharge" sheet to "Vdef" and "Aimp" on this page. This allows solution for a single BMP to handle the entire recharge requirement assuming the runoff from entire impervious area is available to the BMP.
To solve for a smaller BMP or a LID-IMP to recharge only part of the recharge requirement, set Vdef to your target value and Aimp to impervious area directly connected to your infiltration facility and then solve for ABMP or dBMP. To go back to the default configuration clik the "Default Vdef & Aimp" button.

Project Name	Description	Analysis Date	BMP or LID Type
Venue at Hopewell	Subdivision	06/13/25	Basin 50

Recharge BMP Input Parameters

Parameter	Symbol	Value	Unit
BMP Area	ABMP	8805.0	sq.ft
BMP Effective Depth, this is the design variable	dBMP	3.8	in
Upper level of the BMP surface (negative if above ground)	dBMPu	-3.8	in
Depth of lower surface of BMP, must be>=dBMPu	dEXC	0.0	in
Post-development Land Segment Location of BMP , Input Zero if Location is distributed or undetermined	SegBMP	6	unitless

Root Zone Water capacity Calculated Parameters

Parameter	Symbol	Value	Unit
Empty Portion of RWC under Post-D Natural Recharge	ERWC	#N/A	in
ERWC Modified to consider dEXC	EDRWC	#N/A	in
Empty Portion of RWC under Infilt. BMP	RERWC	#N/A	in

Recharge Design Parameters

Parameter	Symbol	Value	Unit
Inches of Runoff to capture	Qdesign	1.98	in
Inches of Rainfall to capture	Pdesign	2.20	in
Recharge Provided Avg. over Imp. Area		21.6	in
Runoff Captured Avg. over imp. Area		33.3	in

BMP Calculated Size Parameters

ABMP/Aimp	Aratio	0.54	unitless
BMP Volume	VBMP	2,788	cu.ft

Parameters from Annual Recharge Worksheet

Post-D Deficit Recharge (or desired recharge volume)	Vdef	60,158	cu.ft
Post-D Impervious Area (or target Impervious Area)	Aimp	16,379	sq.ft
Root Zone Water Capacity	RWC	#N/A	in
RWC Modified to consider dEXC	DRWC	#N/A	in
Climatic Factor	C-factor	1.42	no units
Average Annual P	Pavg	44.6	in
Recharge Requirement over Imp. Area	dr	5.9	in

System Performance Calculated Parameters

Annual BMP Recharge Volume		149,216	cu.ft
Avg BMP Recharge Efficiency		65.0%	Represents % Infiltration Recharged
%Rainfall became Runoff		77.7%	%
%Runoff Infiltrated		485.5%	%
%Runoff Recharged		41.9%	%
%Rainfall Recharged		32.5%	%

CALCULATION CHECK MESSAGES

Volume Balance-> Solve Problem to satisfy Annual Recharge
dBMP Check---> OK
dEXC Check---> OK

BMP Location---> Land Segment Number Selected for BMP is not Defined

OTHER NOTES

Pdesign is accurate only after BMP dimensions are updated to make rech volume= deficit volume. The portion of BMP infiltration prior to filling and the area occupied by BMP are ignored in these calculations. Results are sensetive to dBMP, make sure dBMP selected is small enough for BMP to empty in less than 3 days. For land Segment Location of BMP if you select "impervious areas" RWC will be minimal but not zero as determined by the soil type and a shallow root zone for this Land Cover allowing consideration of lateral flow and other losses.

How to solve for different recharge volumes: By default the spreadsheet assigns the values of total deficit recharge volume "Vdef" and total proposed impervious area "Aimp" from the "Annual Recharge" sheet to "Vdef" and "Aimp" on this page. This allows solution for a single BMP to handle the entire recharge requirement assuming the runoff from entire impervious area is available to the BMP.
To solve for a smaller BMP or a LID-IMP to recharge only part of the recharge requirement, set Vdef to your target value and Aimp to impervious area directly connected to your infiltration facility and then solve for ABMP or dBMP. To go back to the default configuration clik the "Default Vdef & Aimp" button.

New Jersey Groundwater Recharge Spreadsheet

Annual Groundwater Recharge Analysis (based on GSR-32)

Select Township ↓	Average Annual P (in)	Climatic Factor
MERCER CO., HOPEWELL TWP	44.6	1.42

Project Name:	**Venue at Hopewell**
Description:	**Subdivision**
Analysis Date:	**06/13/25**

Pre-Developed Conditions

Land Segment	Area (acres)	TR-55 Land Cover	Soil	Annual Recharge (in)	Annual Recharge (cu.ft)
1	10.6549	Woods-grass combination	Bucks	13.2	510,206
2	24.8613	Row Crop	Bucks	11.1	1,005,023
3	3.8828	Row Crop	Chalfont	9.9	139,204
4	5.4816	Woods-grass combination	Doylestown	0.0	-
5	11.6627	Woods-grass combination	Reaville	12.3	520,227
6	0.61383	Row Crop	Reaville	9.6	21,384
7					
8					
9					
10					
11					
12					
13					
14					
15					
Total =	57.2			Total Annual Recharge (in)	Total Annual Recharge (cu-ft)
				10.6	2,196,044

Post-Developed Conditions

Land Segment	Area (acres)	TR-55 Land Cover	Soil	Annual Recharge (in)	Annual Recharge (cu.ft)
1	7.11466	Impervious areas	Bucks	0.0	-
2	2.855	Open space	Reaville	11.5	119,143
3	1.3704	Woods-grass combination	Bucks	13.2	65,621
4	5.4816	Woods-grass combination	Doylestown	0.0	-
5	27.7136	Open space	Bucks	12.8	1,283,843
6	3.12979	Open space	Chalfont	11.7	133,364
7	9.57947	Open space	Reaville	11.5	399,763
8					
9					
10					
11					
12					
13					
14					
15					
Total =	57.2	Warning: make total area equal to Pre-Developed Condition		Total Annual Recharge (in)	Total Annual Recharge (cu.ft)
				9.6	2,001,734

Annual Recharge Requirements Calculation ↓

% of Pre-Developed Annual Recharge to Preserve =	100%	Total Impervious Area (sq.ft)
		309,915
Post-Development Annual Recharge Deficit=	***194,310***	(cubic feet)

Recharge Efficiency Parameters Calculations (area averages)

RWC=	#N/A	(in)	DRWC=	#N/A	(in)
ERWC =	#N/A	(in)	EDRWC=	#N/A	(in)

Procedure to fill the Pre-Development and Post-Development Conditions Tables

For each land segment, first enter the area, then select TR-55 Land Cover, then select Soil. Start from the top of the table and proceed downward. Don't leave blank rows (with A=0) in between your segment entries. Rows with A=0 will not be displayed or used in calculations. For impervious areas outside of standard lots select "Impervious Areas" as the Land Cover. Soil type for impervious areas are only required if an infiltration facility will be built within these areas.

Project Name	Description	Analysis Date	BMP or LID Type
Venue at Hopewell	Subdivision	06/13/25	Basin 51

Recharge BMP Input Parameters

Parameter	Symbol	Value	Unit
BMP Area	ABMP	16548.0	sq.ft
BMP Effective Depth, this is the design variable	dBMP	0.5	in
Upper level of the BMP surface (negative if above ground)	dBMPu	-0.5	in
Depth of lower surface of BMP, must be>=dBMPu	dEXC	0.0	in
Post-development Land Segment Location of BMP , Input Zero if Location is distributed or undetermined	SegBMP	2	unitless

Root Zone Water capacity Calculated Parameters

Parameter	Symbol	Value	Unit
Empty Portion of RWC under Post-D Natural Recharge	ERWC	1.18	in
ERWC Modified to consider dEXC	EDRWC	1.18	in
Empty Portion of RWC under Infilt. BMP	RERWC	0.92	in

Recharge Design Parameters

Parameter	Symbol	Value	Unit
Inches of Runoff to capture	Qdesign	0.68	in
Inches of Rainfall to capture	Pdesign	0.84	in
Recharge Provided Avg. over Imp. Area		23.4	in
Runoff Captured Avg. over imp. Area		26.5	in

BMP Calculated Size Parameters

ABMP/Aimp	Aratio	1.01	unitless
BMP Volume	VBMP	690	cu.ft

Parameters from Annual Recharge Worksheet

Post-D Deficit Recharge (or desired recharge volume)	Vdef	194,310	cu.ft
Post-D Impervious Area (or target Impervious Area)	Aimp	16,379	sq.ft
Root Zone Water Capacity	RWC	4.06	in
RWC Modified to consider dEXC	DRWC	4.06	in
Climatic Factor	C-factor	1.42	no units
Average Annual P	Pavg	44.6	in
Recharge Requirement over Imp. Area	dr	7.5	in

System Performance Calculated Parameters

Annual BMP Recharge Volume		762,531	cu.ft
Avg BMP Recharge Efficiency		88.3%	Represents % Infiltration Recharged
%Rainfall became Runoff		77.7%	%
%Runoff Infiltrated		1825.5%	%
%Runoff Recharged		85.2%	%
%Rainfall Recharged		66.2%	%

CALCULATION CHECK MESSAGES

Volume Balance-> Solve Problem to satisfy Annual Recharge
dBMP Check---> OK
dEXC Check---> OK
BMP Location---> OK

OTHER NOTES

Pdesign is accurate only after BMP dimensions are updated to make rech volume= deficit volume. The portion of BMP infiltration prior to filling and the area occupied by BMP are ignored in these calculations. Results are sensetive to dBMP, make sure dBMP selected is small enough for BMP to empty in less than 3 days. For land Segment Location of BMP if you select "impervious areas" RWC will be minimal but not zero as determined by the soil type and a shallow root zone for this Land Cover allowing consideration of lateral flow and other losses.

How to solve for different recharge volumes: By default the spreadsheet assigns the values of total deficit recharge volume "Vdef" and total proposed impervious area "Aimp" from the "Annual Recharge" sheet to "Vdef" and "Aimp" on this page. This allows solution for a single BMP to handle the entire recharge requirement assuming the runoff from entire impervious area is available to the BMP.
To solve for a smaller BMP or a LID-IMP to recharge only part of the recharge requirement, set Vdef to your target value and Aimp to impervious area directly connected to your infiltration facility and then solve for ABMP or dBMP. To go back to the default configuration clik the "Default Vdef & Aimp" button.

Project Name	Description	Analysis Date	BMP or LID Type
Venue at Hopewell	Subdivision	06/13/25	Basin 52

Recharge BMP Input Parameters

Parameter	Symbol	Value	Unit
BMP Area	ABMP	474.0	sq.ft
BMP Effective Depth, this is the design variable	dBMP	0.5	in
Upper level of the BMP surface (negative if above ground)	dBMPu	-0.5	in
Depth of lower surface of BMP, must be>=dBMPu	dEXC	0.0	in
Post-development Land Segment Location of BMP , Input Zero if Location is distributed or undetermined	SegBMP	2	unitless

Root Zone Water capacity Calculated Parameters

Parameter	Symbol	Value	Unit
Empty Portion of RWC under Post-D Natural Recharge	ERWC	1.18	in
ERWC Modified to consider dEXC	EDRWC	1.18	in
Empty Portion of RWC under Infilt. BMP	RERWC	0.92	in

Recharge Design Parameters

Parameter	Symbol	Value	Unit
Inches of Runoff to capture	Qdesign	0.68	in
Inches of Rainfall to capture	Pdesign	0.84	in
Recharge Provided Avg. over Imp. Area		23.4	in
Runoff Captured Avg. over imp. Area		26.5	in

BMP Calculated Size Parameters

ABMP/Aimp	Aratio	0.03	unitless
BMP Volume	VBMP	20	cu.ft

Parameters from Annual Recharge Worksheet

Post-D Deficit Recharge (or desired recharge volume)	Vdef	194,310	cu.ft
Post-D Impervious Area (or target Impervious Area)	Aimp	16,379	sq.ft
Root Zone Water Capacity	RWC	4.06	in
RWC Modified to consider dEXC	DRWC	4.06	in
Climatic Factor	C-factor	1.42	no units
Average Annual P	Pavg	44.6	in
Recharge Requirement over Imp. Area	dr	7.5	in

System Performance Calculated Parameters

Annual BMP Recharge Volume		21,842	cu.ft
Avg BMP Recharge Efficiency		88.3%	Represents % Infiltration Recharged
%Rainfall became Runoff		77.7%	%
%Runoff Infiltrated		52.3%	%
%Runoff Recharged		2.4%	%
%Rainfall Recharged		1.9%	%

CALCULATION CHECK MESSAGES

Volume Balance-> Solve Problem to satisfy Annual Recharge
dBMP Check---> OK
dEXC Check---> OK
BMP Location---> OK

OTHER NOTES

Pdesign is accurate only after BMP dimensions are updated to make rech volume= deficit volume. The portion of BMP infiltration prior to filling and the area occupied by BMP are ignored in these calculations. Results are sensetive to dBMP, make sure dBMP selected is small enough for BMP to empty in less than 3 days. For land Segment Location of BMP if you select "impervious areas" RWC will be minimal but not zero as determined by the soil type and a shallow root zone for this Land Cover allowing consideration of lateral flow and other losses.

How to solve for different recharge volumes: By default the spreadsheet assigns the values of total deficit recharge volume "Vdef" and total proposed impervious area "Aimp" from the "Annual Recharge" sheet to "Vdef" and "Aimp" on this page. This allows solution for a single BMP to handle the entire recharge requirement assuming the runoff from entire impervious area is available to the BMP.
To solve for a smaller BMP or a LID-IMP to recharge only part of the recharge requirement, set Vdef to your target value and Aimp to impervious area directly connected to your infiltration facility and then solve for ABMP or dBMP. To go back to the default configuration clik the "Default Vdef & Aimp" button.

Project Name	Description	Analysis Date	BMP or LID Type
Venue at Hopewell	Subdivision	06/13/25	Basin 53

Recharge BMP Input Parameters

Parameter	Symbol	Value	Unit
BMP Area	ABMP	4749.0	sq.ft
BMP Effective Depth, this is the design variable	dBMP	0.5	in
Upper level of the BMP surface (negative if above ground)	dBMPu	-0.5	in
Depth of lower surface of BMP, must be>=dBMPu	dEXC	0.0	in
Post-development Land Segment Location of BMP , Input Zero if Location is distributed or undetermined	SegBMP	2	unitless

Root Zone Water capacity Calculated Parameters

Parameter	Symbol	Value	Unit
Empty Portion of RWC under Post-D Natural Recharge	ERWC	1.18	in
ERWC Modified to consider dEXC	EDRWC	1.18	in
Empty Portion of RWC under Infilt. BMP	RERWC	0.92	in

Recharge Design Parameters

Parameter	Symbol	Value	Unit
Inches of Runoff to capture	Qdesign	0.68	in
Inches of Rainfall to capture	Pdesign	0.84	in
Recharge Provided Avg. over Imp. Area		23.4	in
Runoff Captured Avg. over imp. Area		26.5	in

BMP Calculated Size Parameters

ABMP/Aimp	Aratio	0.29	unitless
BMP Volume	VBMP	198	cu.ft

Parameters from Annual Recharge Worksheet

Parameter	Symbol	Value	Unit
Post-D Deficit Recharge (or desired recharge volume)	Vdef	194,310	cu.ft
Post-D Impervious Area (or target Impervious Area)	Aimp	16,379	sq.ft
Root Zone Water Capacity	RWC	4.06	in
RWC Modified to consider dEXC	DRWC	4.06	in
Climatic Factor	C-factor	1.42	no units
Average Annual P	Pavg	44.6	in
Recharge Requirement over Imp. Area	dr	7.5	in

System Performance Calculated Parameters

Annual BMP Recharge Volume		218,834	cu.ft
Avg BMP Recharge Efficiency		88.3%	Represents % Infiltration Recharged
%Rainfall became Runoff		77.7%	%
%Runoff Infiltrated		523.9%	%
%Runoff Recharged		24.5%	%
%Rainfall Recharged		19.0%	%

CALCULATION CHECK MESSAGES

Volume Balance-> Solve Problem to satisfy Annual Recharge
dBMP Check---> OK
dEXC Check---> OK
BMP Location---> OK

OTHER NOTES

Pdesign is accurate only after BMP dimensions are updated to make rech volume= deficit volume. The portion of BMP infiltration prior to filling and the area occupied by BMP are ignored in these calculations. Results are sensetive to dBMP, make sure dBMP selected is small enough for BMP to empty in less than 3 days. For land Segment Location of BMP if you select "impervious areas" RWC will be minimal but not zero as determined by the soil type and a shallow root zone for this Land Cover allowing consideration of lateral flow and other losses.

How to solve for different recharge volumes: By default the spreadsheet assigns the values of total deficit recharge volume "Vdef" and total proposed impervious area "Aimp" from the "Annual Recharge" sheet to "Vdef" and "Aimp" on this page. This allows solution for a single BMP to handle the entire recharge requirement assuming the runoff from entire impervious area is available to the BMP.
To solve for a smaller BMP or a LID-IMP to recharge only part of the recharge requirement, set Vdef to your target value and Aimp to impervious area directly connected to your infiltration facility and then solve for ABMP or dBMP. To go back to the default configuration clik the "Default Vdef & Aimp" button.

Project Name	Description	Analysis Date	BMP or LID Type
Venue at Hopewell	Subdivision	06/13/25	Basin 54

Recharge BMP Input Parameters

Parameter	Symbol	Value	Unit
BMP Area	ABMP	5114.0	sq.ft
BMP Effective Depth, this is the design variable	dBMP	3.0	in
Upper level of the BMP surface (negative if above ground)	dBMPu	-3.0	in
Depth of lower surface of BMP, must be>=dBMPu	dEXC	0.0	in
Post-development Land Segment Location of BMP , Input Zero if Location is distributed or undetermined	SegBMP	2	unitless

Root Zone Water capacity Calculated Parameters

Parameter	Symbol	Value	Unit
Empty Portion of RWC under Post-D Natural Recharge	ERWC	1.18	in
ERWC Modified to consider dEXC	EDRWC	1.18	in
Empty Portion of RWC under Infilt. BMP	RERWC	0.92	in

Recharge Design Parameters

Parameter	Symbol	Value	Unit
Inches of Runoff to capture	Qdesign	0.68	in
Inches of Rainfall to capture	Pdesign	0.84	in
Recharge Provided Avg. over Imp. Area		23.4	in
Runoff Captured Avg. over imp. Area		26.5	in

BMP Calculated Size Parameters

ABMP/Aimp	Aratio	0.31	unitless
BMP Volume	VBMP	1,279	cu.ft

Parameters from Annual Recharge Worksheet

Post-D Deficit Recharge (or desired recharge volume)	Vdef	194,310	cu.ft
Post-D Impervious Area (or target Impervious Area)	Aimp	16,379	sq.ft
Root Zone Water Capacity	RWC	4.06	in
RWC Modified to consider dEXC	DRWC	4.06	in
Climatic Factor	C-factor	1.42	no units
Average Annual P	Pavg	44.6	in
Recharge Requirement over Imp. Area	dr	7.5	in

System Performance Calculated Parameters

Annual BMP Recharge Volume		235,653	cu.ft
Avg BMP Recharge Efficiency		88.3%	Represents % Infiltration Recharged
%Rainfall became Runoff		77.7%	%
%Runoff Infiltrated		564.1%	%
%Runoff Recharged		26.3%	%
%Rainfall Recharged		20.5%	%

CALCULATION CHECK MESSAGES

Volume Balance-> Solve Problem to satisfy Annual Recharge
dBMP Check---> OK
dEXC Check---> OK
BMP Location---> OK

OTHER NOTES

Pdesign is accurate only after BMP dimensions are updated to make rech volume= deficit volume. The portion of BMP infiltration prior to filling and the area occupied by BMP are ignored in these calculations. Results are sensetive to dBMP, make sure dBMP selected is small enough for BMP to empty in less than 3 days. For land Segment Location of BMP if you select "impervious areas" RWC will be minimal but not zero as determined by the soil type and a shallow root zone for this Land Cover allowing consideration of lateral flow and other losses.

How to solve for different recharge volumes: By default the spreadsheet assigns the values of total deficit recharge volume "Vdef" and total proposed impervious area "Aimp" from the "Annual Recharge" sheet to "Vdef" and "Aimp" on this page. This allows solution for a single BMP to handle the entire recharge requirement assuming the runoff from entire impervious area is available to the BMP.
To solve for a smaller BMP or a LID-IMP to recharge only part of the recharge requirement, set Vdef to your target value and Aimp to impervious area directly connected to your infiltration facility and then solve for ABMP or dBMP. To go back to the default configuration clik the "Default Vdef & Aimp" button.

Project Name	Description	Analysis Date	BMP or LID Type
Venue at Hopewell	Subdivision	06/13/25	Basin 55

Recharge BMP Input Parameters

Parameter	Symbol	Value	Unit
BMP Area	ABMP	4250.0	sq.ft
BMP Effective Depth, this is the design variable	dBMP	12.0	in
Upper level of the BMP surface (negative if above ground)	dBMPu	-12.0	in
Depth of lower surface of BMP, must be>=dBMPu	dEXC	0.0	in
Post-development Land Segment Location of BMP , Input Zero if Location is distributed or undetermined	SegBMP	2	unitless

Root Zone Water capacity Calculated Parameters

Parameter	Symbol	Value	Unit
Empty Portion of RWC under Post-D Natural Recharge	ERWC	1.18	in
ERWC Modified to consider dEXC	EDRWC	1.18	in
Empty Portion of RWC under Infilt. BMP	RERWC	0.92	in

Recharge Design Parameters

Parameter	Symbol	Value	Unit
Inches of Runoff to capture	Qdesign	0.68	in
Inches of Rainfall to capture	Pdesign	0.84	in
Recharge Provided Avg. over Imp. Area		23.4	in
Runoff Captured Avg. over imp. Area		26.5	in

BMP Calculated Size Parameters

ABMP/Aimp	Aratio	0.26	unitless
BMP Volume	VBMP	4,250	cu.ft

Parameters from Annual Recharge Worksheet

Parameter	Symbol	Value	Unit
Post-D Deficit Recharge (or desired recharge volume)	Vdef	194,310	cu.ft
Post-D Impervious Area (or target Impervious Area)	Aimp	16,379	sq.ft
Root Zone Water Capacity	RWC	4.06	in
RWC Modified to consider dEXC	DRWC	4.06	in
Climatic Factor	C-factor	1.42	no units
Average Annual P	Pavg	44.6	in
Recharge Requirement over Imp. Area	dr	7.5	in

System Performance Calculated Parameters

Annual BMP Recharge Volume		195,840	cu.ft
Avg BMP Recharge Efficiency		88.3%	Represents % Infiltration Recharged
%Rainfall became Runoff		77.7%	%
%Runoff Infiltrated		468.8%	%
%Runoff Recharged		21.9%	%
%Rainfall Recharged		17.0%	%

CALCULATION CHECK MESSAGES

Volume Balance-> Solve Problem to satisfy Annual Recharge
dBMP Check---> OK
dEXC Check---> OK
BMP Location---> OK

OTHER NOTES

Pdesign is accurate only after BMP dimensions are updated to make rech volume= deficit volume. The portion of BMP infiltration prior to filling and the area occupied by BMP are ignored in these calculations. Results are sensetive to dBMP, make sure dBMP selected is small enough for BMP to empty in less than 3 days. For land Segment Location of BMP if you select "impervious areas" RWC will be minimal but not zero as determined by the soil type and a shallow root zone for this Land Cover allowing consideration of lateral flow and other losses.

How to solve for different recharge volumes: By default the spreadsheet assigns the values of total deficit recharge volume "Vdef" and total proposed impervious area "Aimp" from the "Annual Recharge" sheet to "Vdef" and "Aimp" on this page. This allows solution for a single BMP to handle the entire recharge requirement assuming the runoff from entire impervious area is available to the BMP.
To solve for a smaller BMP or a LID-IMP to recharge only part of the recharge requirement, set Vdef to your target value and Aimp to impervious area directly connected to your infiltration facility and then solve for ABMP or dBMP. To go back to the default configuration clik the "Default Vdef & Aimp" button.

Project Name	Description	Analysis Date	BMP or LID Type
Venue at Hopewell	Subdivision	06/13/25	Basin 56

Recharge BMP Input Parameters

Parameter	Symbol	Value	Unit
BMP Area	ABMP	5021.0	sq.ft
BMP Effective Depth, this is the design variable	dBMP	5.0	in
Upper level of the BMP surface (negative if above ground)	dBMPu	-5.0	in
Depth of lower surface of BMP, must be>=dBMPu	dEXC	0.0	in
Post-development Land Segment Location of BMP , Input Zero if Location is distributed or undetermined	SegBMP	2	unitless

Root Zone Water capacity Calculated Parameters

Parameter	Symbol	Value	Unit
Empty Portion of RWC under Post-D Natural Recharge	ERWC	1.18	in
ERWC Modified to consider dEXC	EDRWC	1.18	in
Empty Portion of RWC under Infilt. BMP	RERWC	0.92	in

Recharge Design Parameters

Parameter	Symbol	Value	Unit
Inches of Runoff to capture	Qdesign	0.68	in
Inches of Rainfall to capture	Pdesign	0.84	in
Recharge Provided Avg. over Imp. Area		23.4	in
Runoff Captured Avg. over imp. Area		26.5	in

BMP Calculated Size Parameters

ABMP/Aimp	Aratio	0.31	unitless
BMP Volume	VBMP	2,092	cu.ft

Parameters from Annual Recharge Worksheet

Post-D Deficit Recharge (or desired recharge volume)	Vdef	194,310	cu.ft
Post-D Impervious Area (or target Impervious Area)	Aimp	16,379	sq.ft
Root Zone Water Capacity	RWC	4.06	in
RWC Modified to consider dEXC	DRWC	4.06	in
Climatic Factor	C-factor	1.42	no units
Average Annual P	Pavg	44.6	in
Recharge Requirement over Imp. Area	dr	7.5	in

System Performance Calculated Parameters

Annual BMP Recharge Volume		231,367	cu.ft
Avg BMP Recharge Efficiency		88.3%	Represents % Infiltration Recharged
%Rainfall became Runoff		77.7%	%
%Runoff Infiltrated		553.9%	%
%Runoff Recharged		25.9%	%
%Rainfall Recharged		20.1%	%

CALCULATION CHECK MESSAGES

Volume Balance-> Solve Problem to satisfy Annual Recharge
dBMP Check---> OK
dEXC Check---> OK
BMP Location---> OK

OTHER NOTES

Pdesign is accurate only after BMP dimensions are updated to make rech volume= deficit volume. The portion of BMP infiltration prior to filling and the area occupied by BMP are ignored in these calculations. Results are sensetive to dBMP, make sure dBMP selected is small enough for BMP to empty in less than 3 days. For land Segment Location of BMP if you select "impervious areas" RWC will be minimal but not zero as determined by the soil type and a shallow root zone for this Land Cover allowing consideration of lateral flow and other losses.

How to solve for different recharge volumes: By default the spreadsheet assigns the values of total deficit recharge volume "Vdef" and total proposed impervious area "Aimp" from the "Annual Recharge" sheet to "Vdef" and "Aimp" on this page. This allows solution for a single BMP to handle the entire recharge requirement assuming the runoff from entire impervious area is available to the BMP.
To solve for a smaller BMP or a LID-IMP to recharge only part of the recharge requirement, set Vdef to your target value and Aimp to impervious area directly connected to your infiltration facility and then solve for ABMP or dBMP. To go back to the default configuration clik the "Default Vdef & Aimp" button.

Project Name	Description	Analysis Date	BMP or LID Type
Venue at Hopewell	Subdivision	06/13/25	Basin 57

Recharge BMP Input Parameters

Parameter	Symbol	Value	Unit
BMP Area	ABMP	3969.0	sq.ft
BMP Effective Depth, this is the design variable	dBMP	8.0	in
Upper level of the BMP surface (negative if above ground)	dBMPu	-8.0	in
Depth of lower surface of BMP, must be>=dBMPu	dEXC	0.0	in
Post-development Land Segment Location of BMP , Input Zero if Location is distributed or undetermined	SegBMP	2	unitless

Root Zone Water capacity Calculated Parameters

Parameter	Symbol	Value	Unit
Empty Portion of RWC under Post-D Natural Recharge	ERWC	1.18	in
ERWC Modified to consider dEXC	EDRWC	1.18	in
Empty Portion of RWC under Infilt. BMP	RERWC	0.92	in

Recharge Design Parameters

Parameter	Symbol	Value	Unit
Inches of Runoff to capture	Qdesign	0.68	in
Inches of Rainfall to capture	Pdesign	0.84	in
Recharge Provided Avg. over Imp. Area		23.4	in
Runoff Captured Avg. over imp. Area		26.5	in

BMP Calculated Size Parameters

ABMP/Aimp	Aratio	0.24	unitless
BMP Volume	VBMP	2,646	cu.ft

Parameters from Annual Recharge Worksheet

Post-D Deficit Recharge (or desired recharge volume)	Vdef	194,310	cu.ft
Post-D Impervious Area (or target Impervious Area)	Aimp	16,379	sq.ft
Root Zone Water Capacity	RWC	4.06	in
RWC Modified to consider dEXC	DRWC	4.06	in
Climatic Factor	C-factor	1.42	no units
Average Annual P	Pavg	44.6	in
Recharge Requirement over Imp. Area	dr	7.5	in

System Performance Calculated Parameters

Annual BMP Recharge Volume		182,891	cu.ft
Avg BMP Recharge Efficiency		88.3%	Represents % Infiltration Recharged
%Rainfall became Runoff		77.7%	%
%Runoff Infiltrated		437.8%	%
%Runoff Recharged		20.4%	%
%Rainfall Recharged		15.9%	%

CALCULATION CHECK MESSAGES

Volume Balance-> Solve Problem to satisfy Annual Recharge
dBMP Check---> OK
dEXC Check---> OK
BMP Location---> OK

OTHER NOTES

Pdesign is accurate only after BMP dimensions are updated to make rech volume= deficit volume. The portion of BMP infiltration prior to filling and the area occupied by BMP are ignored in these calculations. Results are sensetive to dBMP, make sure dBMP selected is small enough for BMP to empty in less than 3 days. For land Segment Location of BMP if you select "impervious areas" RWC will be minimal but not zero as determined by the soil type and a shallow root zone for this Land Cover allowing consideration of lateral flow and other losses.

How to solve for different recharge volumes: By default the spreadsheet assigns the values of total deficit recharge volume "Vdef" and total proposed impervious area "Aimp" from the "Annual Recharge" sheet to "Vdef" and "Aimp" on this page. This allows solution for a single BMP to handle the entire recharge requirement assuming the runoff from entire impervious area is available to the BMP.
To solve for a smaller BMP or a LID-IMP to recharge only part of the recharge requirement, set Vdef to your target value and Aimp to impervious area directly connected to your infiltration facility and then solve for ABMP or dBMP. To go back to the default configuration clik the "Default Vdef & Aimp" button.

Project Name	Description	Analysis Date	BMP or LID Type
Venue at Hopewell	Subdivision	06/13/25	Basin 58

Recharge BMP Input Parameters

Parameter	Symbol	Value	Unit
BMP Area	ABMP	3969.0	sq.ft
BMP Effective Depth, this is the design variable	dBMP	3.0	in
Upper level of the BMP surface (negative if above ground)	dBMPu	-3.0	in
Depth of lower surface of BMP, must be>=dBMPu	dEXC	0.0	in
Post-development Land Segment Location of BMP , Input Zero if Location is distributed or undetermined	SegBMP	2	unitless

Root Zone Water capacity Calculated Parameters

Parameter	Symbol	Value	Unit
Empty Portion of RWC under Post-D Natural Recharge	ERWC	1.18	in
ERWC Modified to consider dEXC	EDRWC	1.18	in
Empty Portion of RWC under Infilt. BMP	RERWC	0.92	in

Recharge Design Parameters

Parameter	Symbol	Value	Unit
Inches of Runoff to capture	Qdesign	0.68	in
Inches of Rainfall to capture	Pdesign	0.84	in
Recharge Provided Avg. over Imp. Area		23.4	in
Runoff Captured Avg. over imp. Area		26.5	in

BMP Calculated Size Parameters

ABMP/Aimp	Aratio	0.24	unitless
BMP Volume	VBMP	992	cu.ft

CALCULATION CHECK MESSAGES

Volume Balance-> Solve Problem to satisfy Annual Recharge
dBMP Check---> OK
dEXC Check---> OK
BMP Location---> OK

Parameters from Annual Recharge Worksheet

Post-D Deficit Recharge (or desired recharge volume)	Vdef	194,310	cu.ft
Post-D Impervious Area (or target Impervious Area)	Aimp	16,379	sq.ft
Root Zone Water Capacity	RWC	4.06	in
RWC Modified to consider dEXC	DRWC	4.06	in
Climatic Factor	C-factor	1.42	no units
Average Annual P	Pavg	44.6	in
Recharge Requirement over Imp. Area	dr	7.5	in

System Performance Calculated Parameters

Annual BMP Recharge Volume		182,891	cu.ft
Avg BMP Recharge Efficiency		88.3%	Represents % Infiltration Recharged
%Rainfall became Runoff		77.7%	%
%Runoff Infiltrated		437.8%	%
%Runoff Recharged		20.4%	%
%Rainfall Recharged		15.9%	%

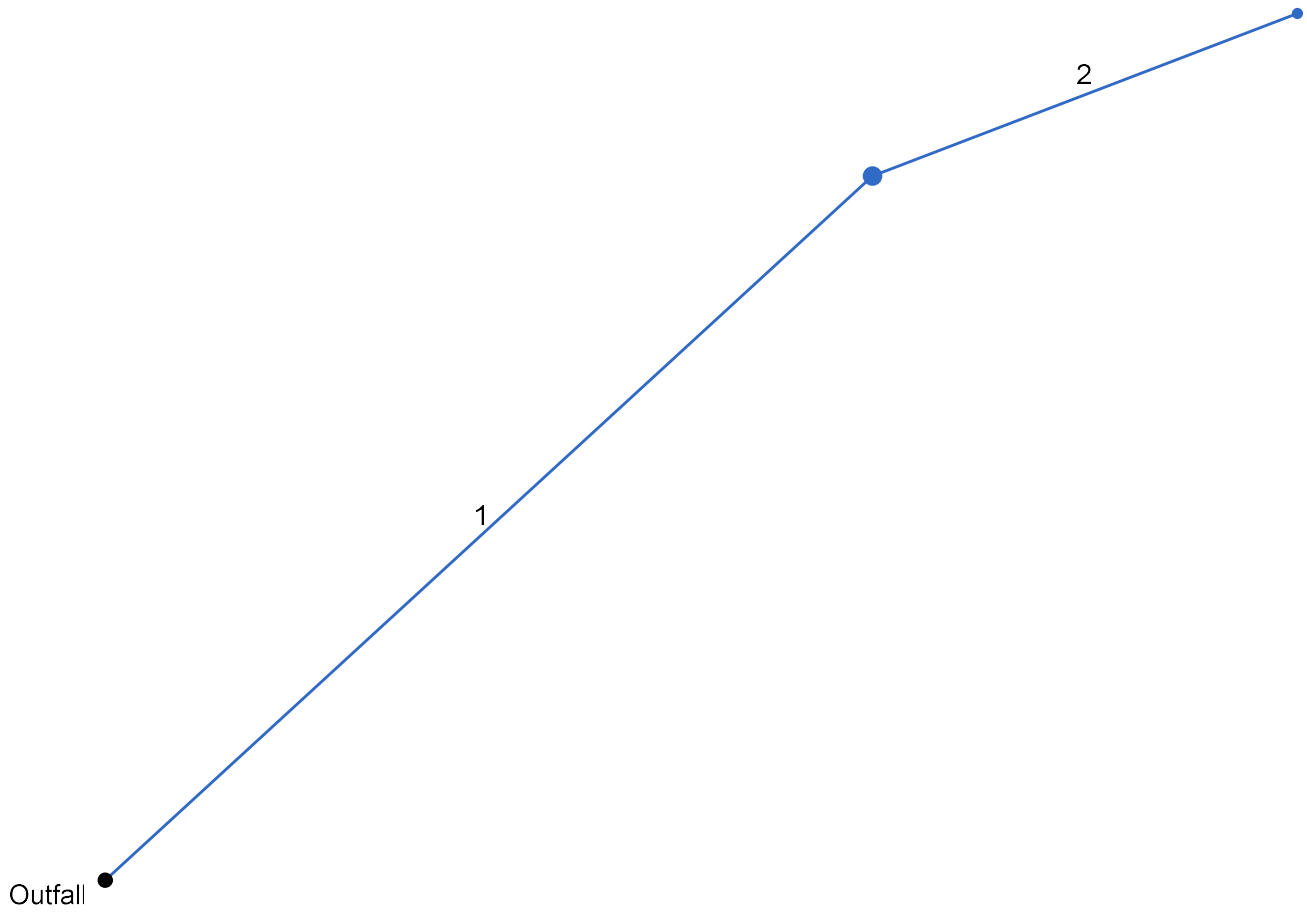
OTHER NOTES

Pdesign is accurate only after BMP dimensions are updated to make rech volume= deficit volume. The portion of BMP infiltration prior to filling and the area occupied by BMP are ignored in these calculations. Results are sensetive to dBMP, make sure dBMP selected is small enough for BMP to empty in less than 3 days. For land Segment Location of BMP if you select "impervious areas" RWC will be minimal but not zero as determined by the soil type and a shallow root zone for this Land Cover allowing consideration of lateral flow and other losses.

How to solve for different recharge volumes: By default the spreadsheet assigns the values of total deficit recharge volume "Vdef" and total proposed impervious area "Aimp" from the "Annual Recharge" sheet to "Vdef" and "Aimp" on this page. This allows solution for a single BMP to handle the entire recharge requirement assuming the runoff from entire impervious area is available to the BMP.
To solve for a smaller BMP or a LID-IMP to recharge only part of the recharge requirement, set Vdef to your target value and Aimp to impervious area directly connected to your infiltration facility and then solve for ABMP or dBMP. To go back to the default configuration clik the "Default Vdef & Aimp" button.

APPENDIX 5
STORM SEWER CONVEYANCE CALCULATIONS

Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Project File: 1-outflow.stm	Number of lines: 2	Date: 9/25/2025

Storm Sewer Tabulation

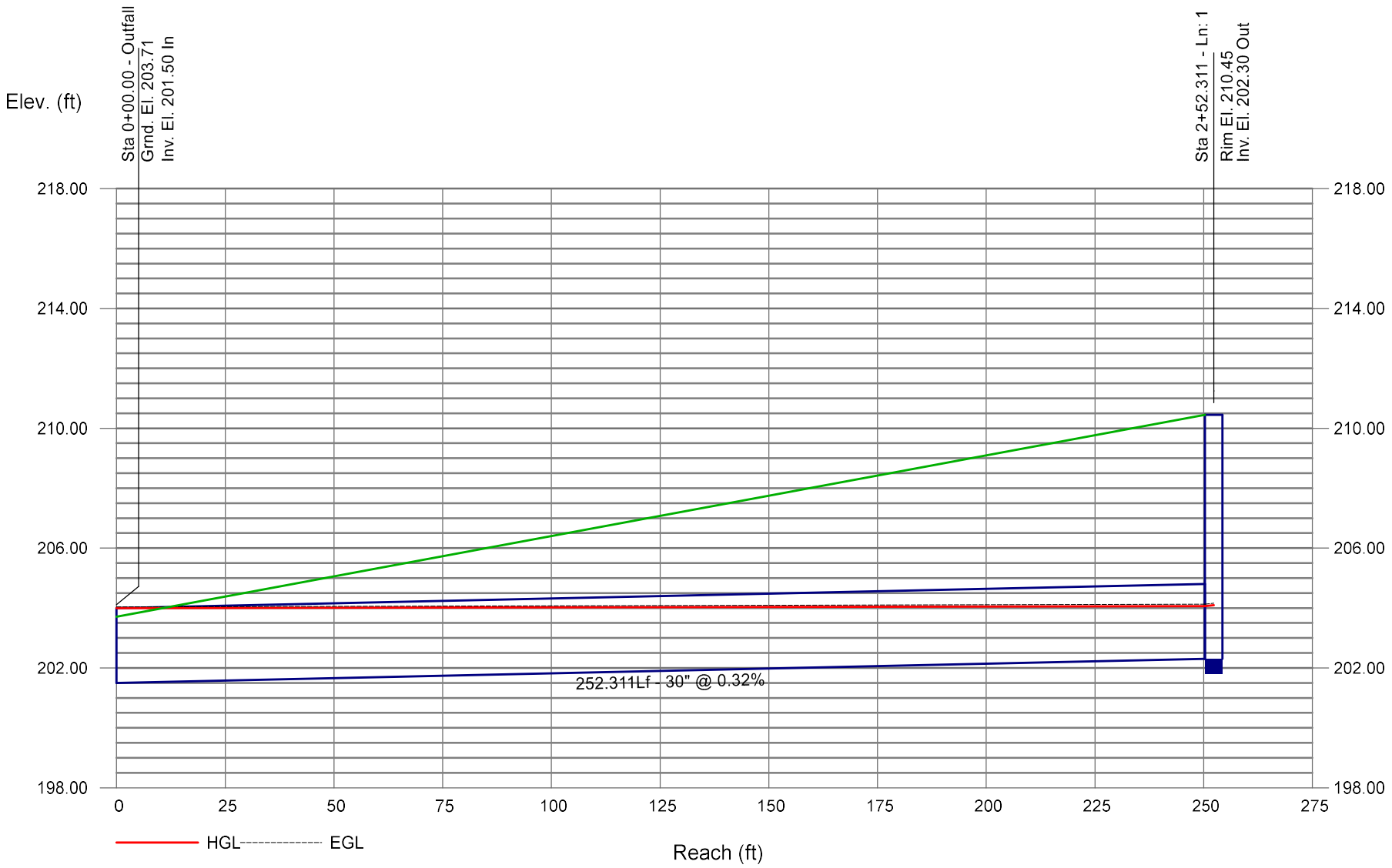
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	252.311	0.00	0.00	0.00	0.00	0.00	0.0	1.2	0.0	7.78	25.02	1.84	30	0.32	201.50	202.30	204.00	204.06	203.71	210.45	Pipe - (2)
2	1	110.084	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	7.78	89.43	3.45	30	4.05	202.40	206.86	204.09	207.79	210.45	210.86	Pipe - (1)

Project File: 1-outflow.stm | Number of lines: 2 | Run Date: 9/25/2025

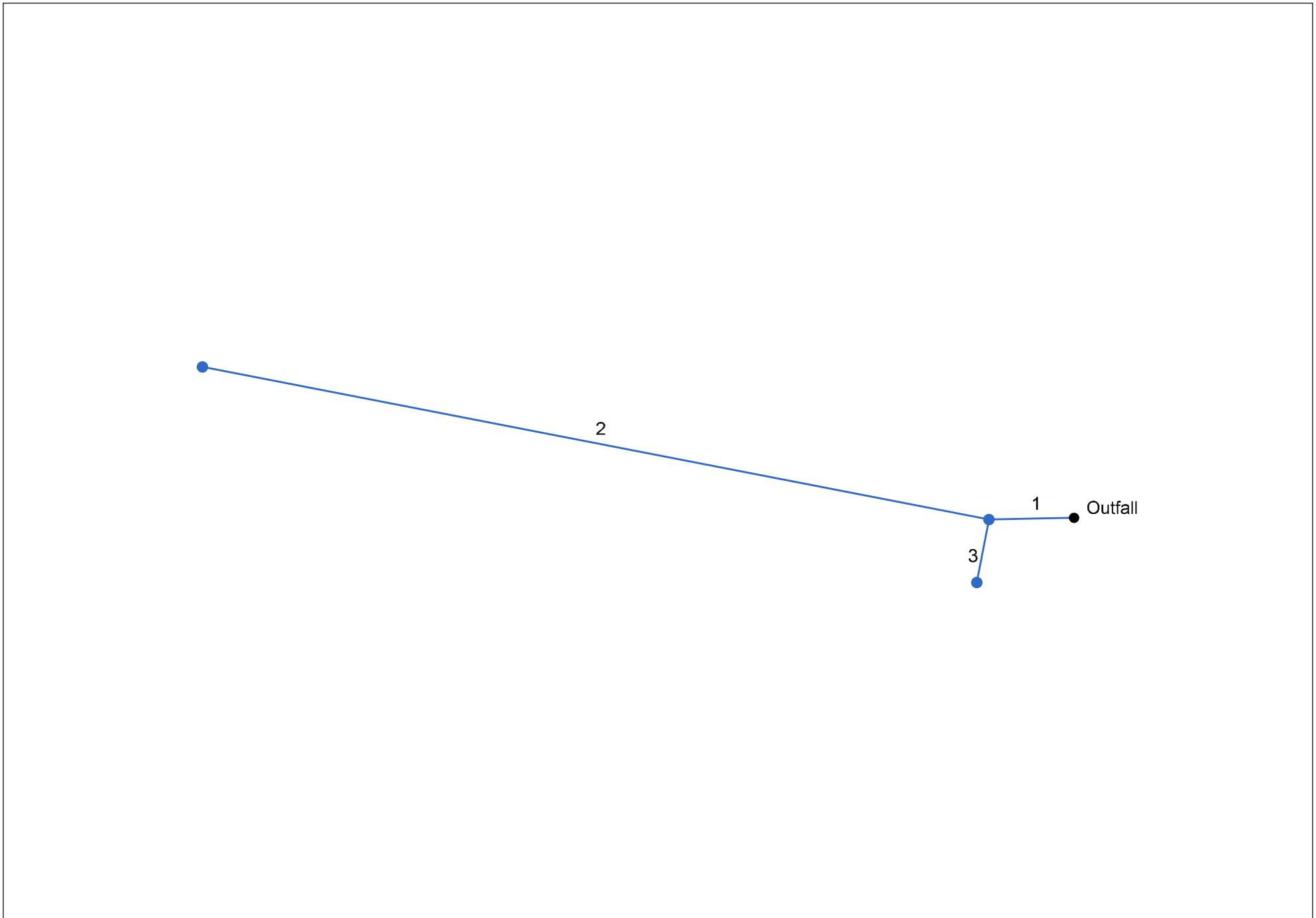
NOTES:Intensity = 127.16 / (Inlet time + 17.80) ^ 0.82; Return period =Yrs. 100 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 1-outflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Project File: 2-inflow.stm	Number of lines: 3	Date: 9/25/2025

Storm Sewer Tabulation

Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	31.266	0.71	0.97	0.98	0.70	0.95	10.0	16.4	5.8	5.53	9.76	4.82	18	0.74	209.00	209.23	209.95	210.14	210.94	212.78	Pipe - (5)
2	1	293.966	0.20	0.20	0.98	0.20	0.20	10.0	10.0	6.9	1.36	11.98	2.29	18	1.11	209.33	212.59	210.14	213.03	212.78	215.69	Pipe - (492)
3	1	23.655	0.06	0.06	0.98	0.06	0.06	10.0	10.0	6.9	0.41	4.98	1.43	15	0.51	209.33	209.45	210.14	209.70	212.78	212.79	Pipe - (4)

Project File: 2-inflow.stm

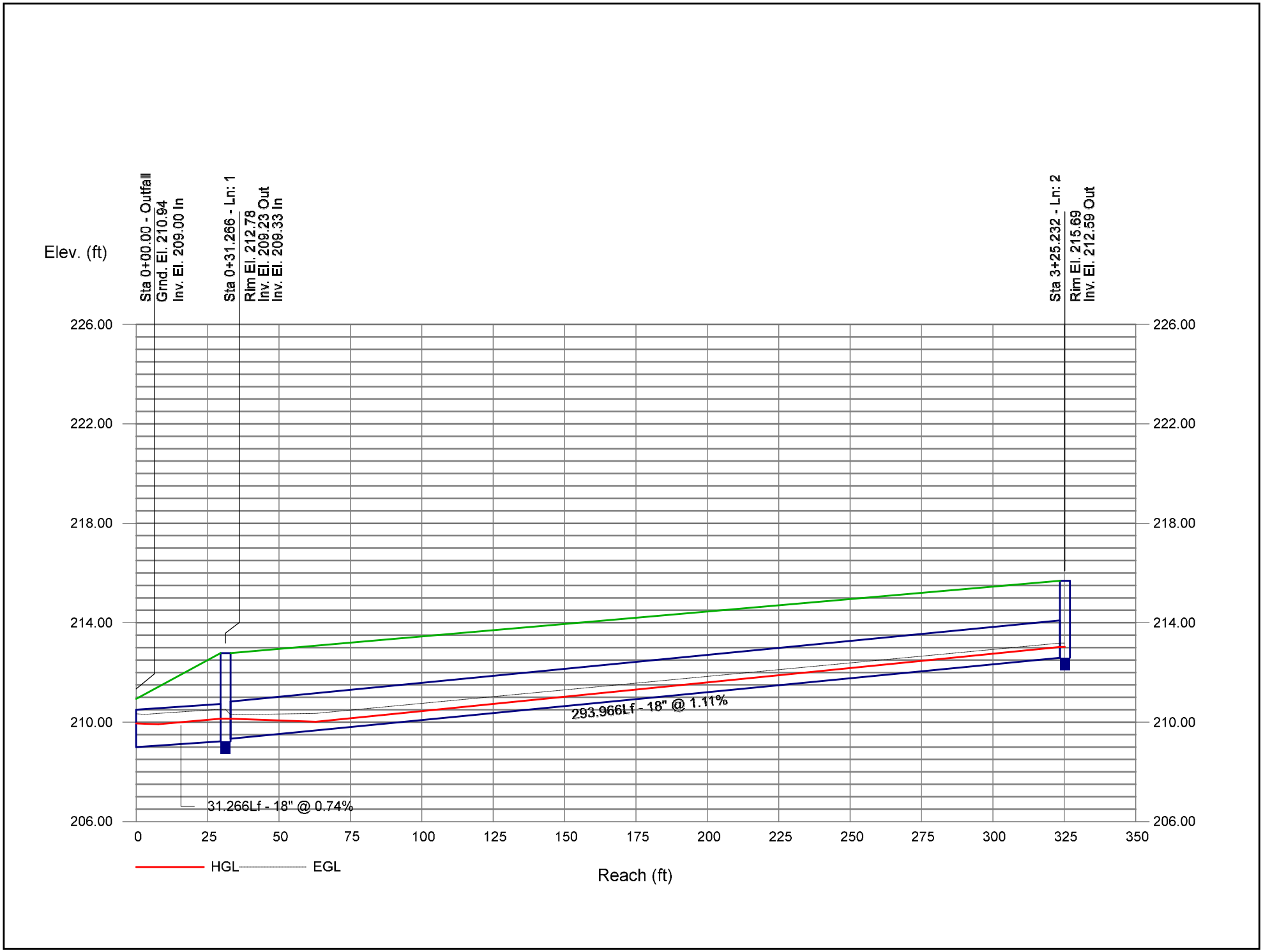
Number of lines: 3

Run Date: 9/25/2025

NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

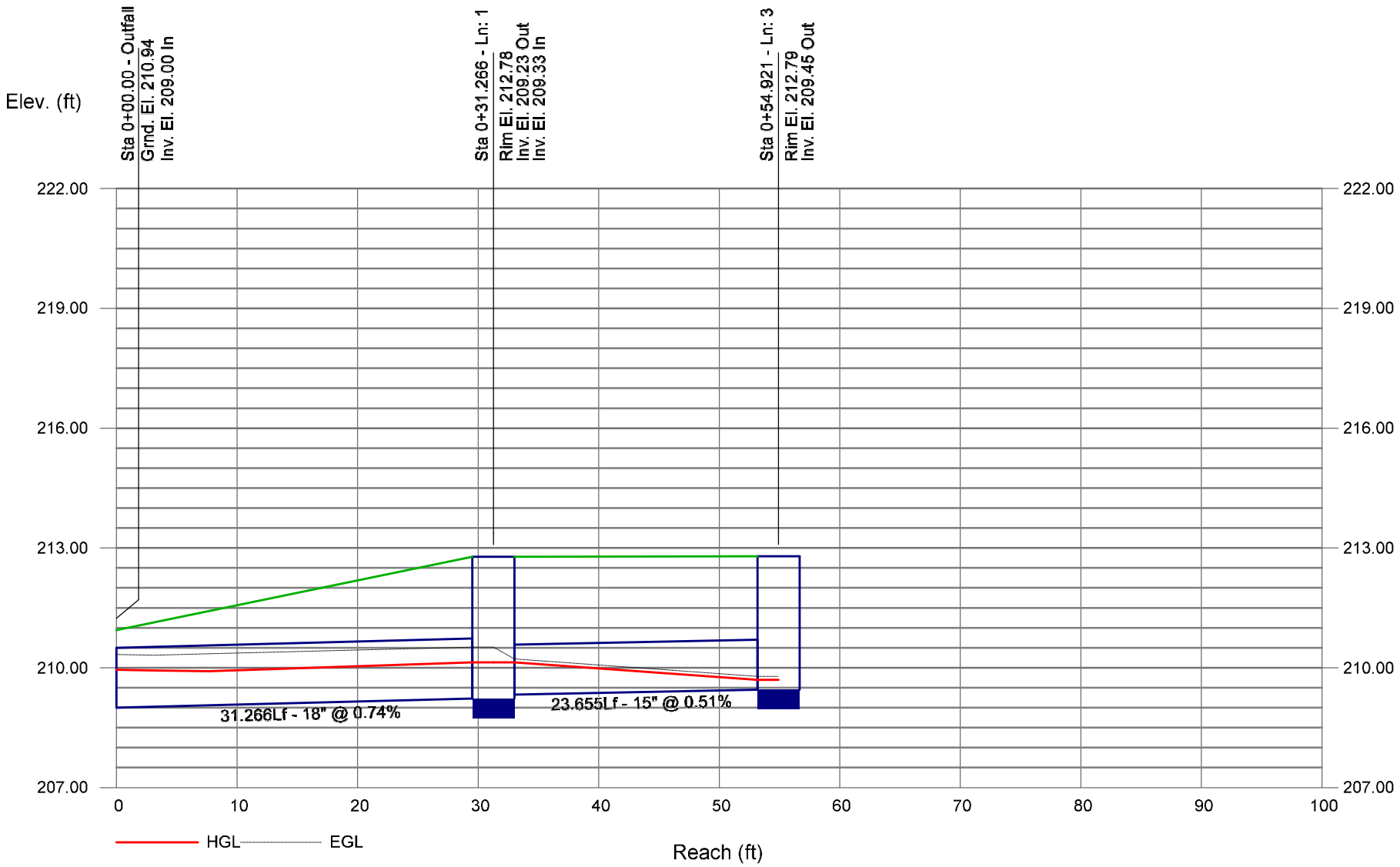
Storm Sewer Profile

Proj. file: 2-inflow.stm

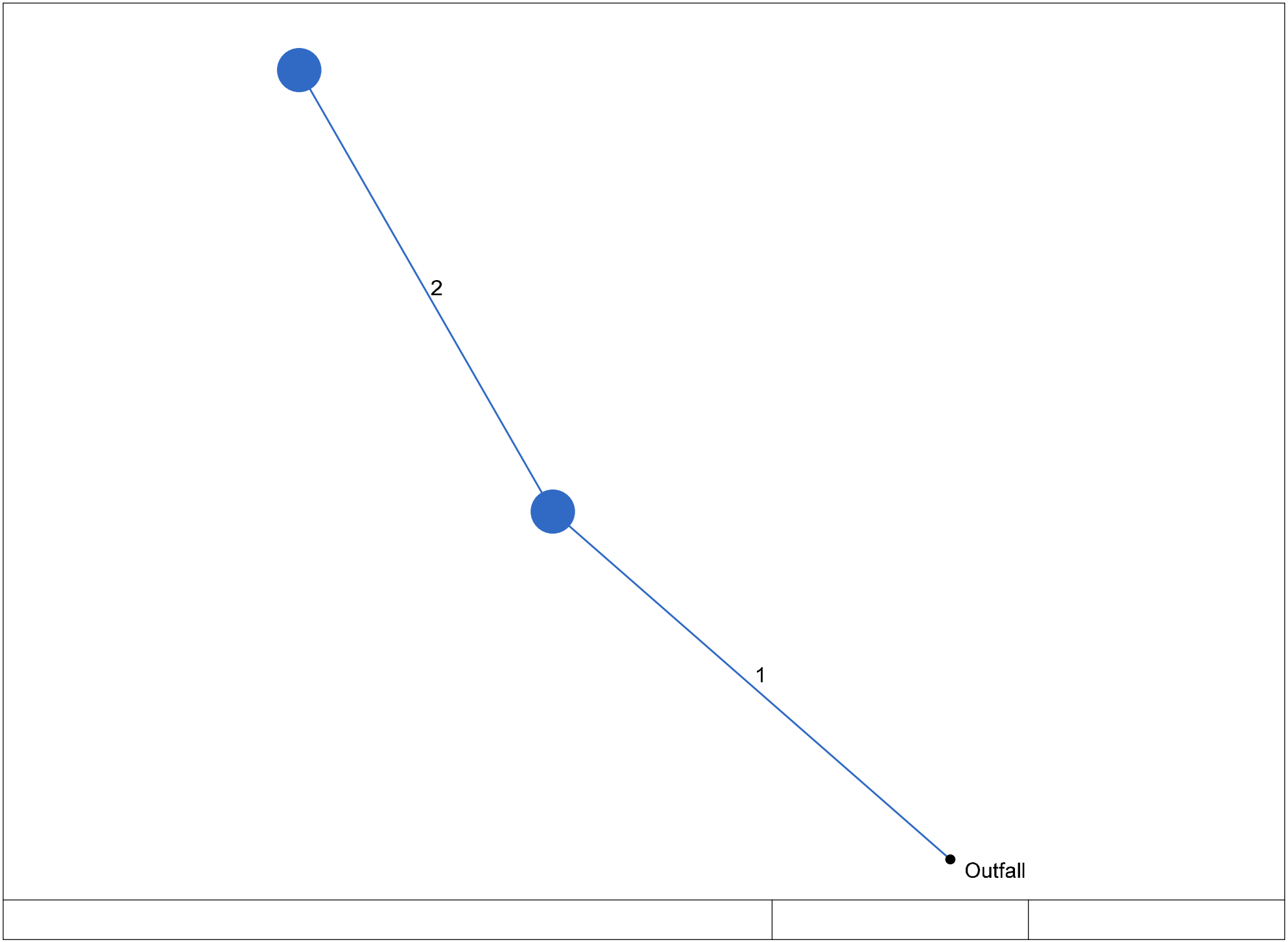


Storm Sewer Profile

Proj. file: 2-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Tabulation

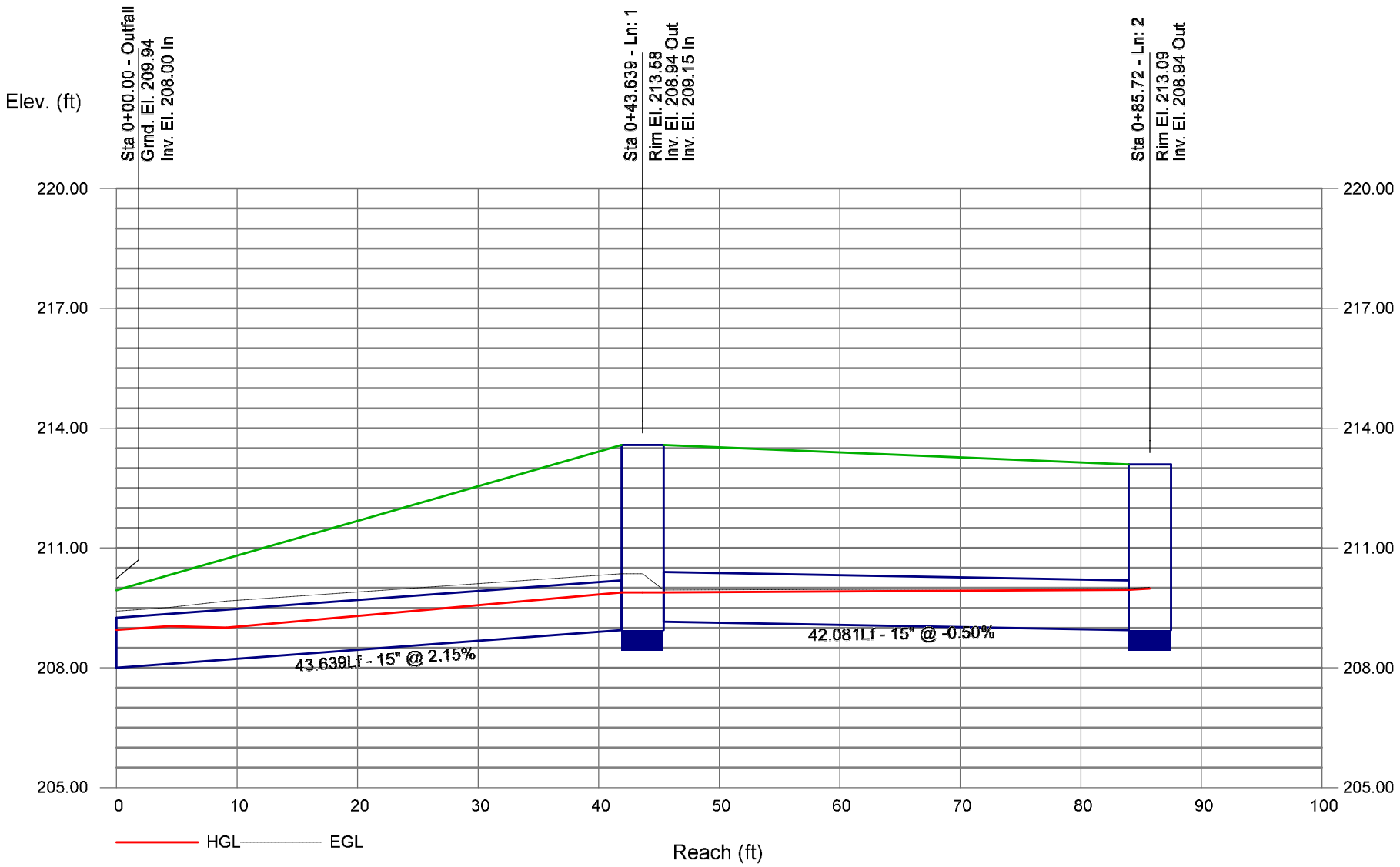
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	43.639	0.60	0.82	0.98	0.59	0.80	10.0	10.6	6.8	5.48	10.27	5.49	15	2.15	208.00	208.94	208.95	209.89	209.94	213.58	Pipe - (31)
2	1	42.081	0.22	0.22	0.98	0.22	0.22	10.0	10.0	6.9	1.50	0.00	1.70	15	-0.50	209.15	208.94	209.89	209.95	213.58	213.09	Pipe - (30)

Project File: 3-inflow.stm | Number of lines: 2 | Run Date: 9/25/2025

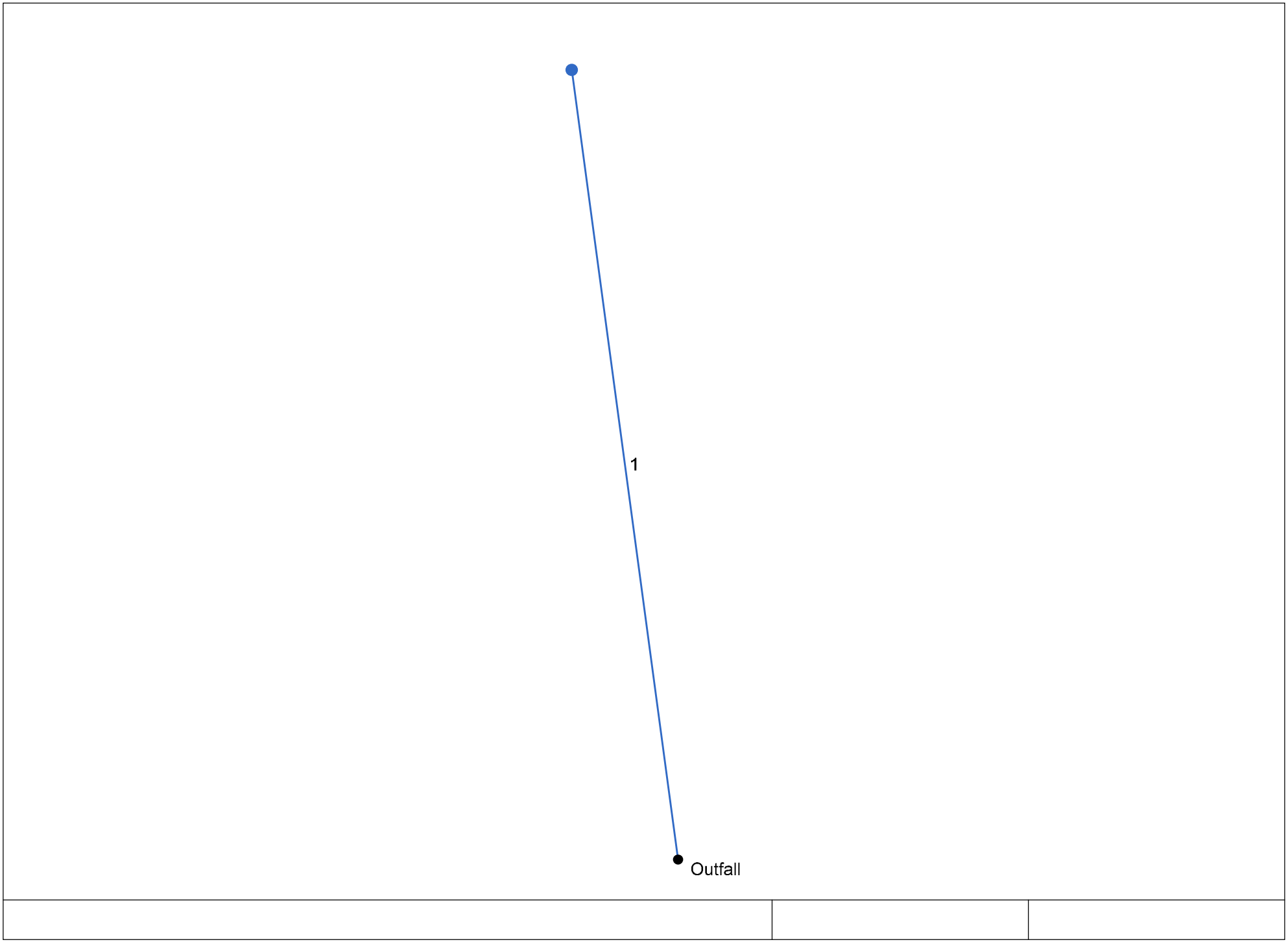
NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 3-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Tabulation

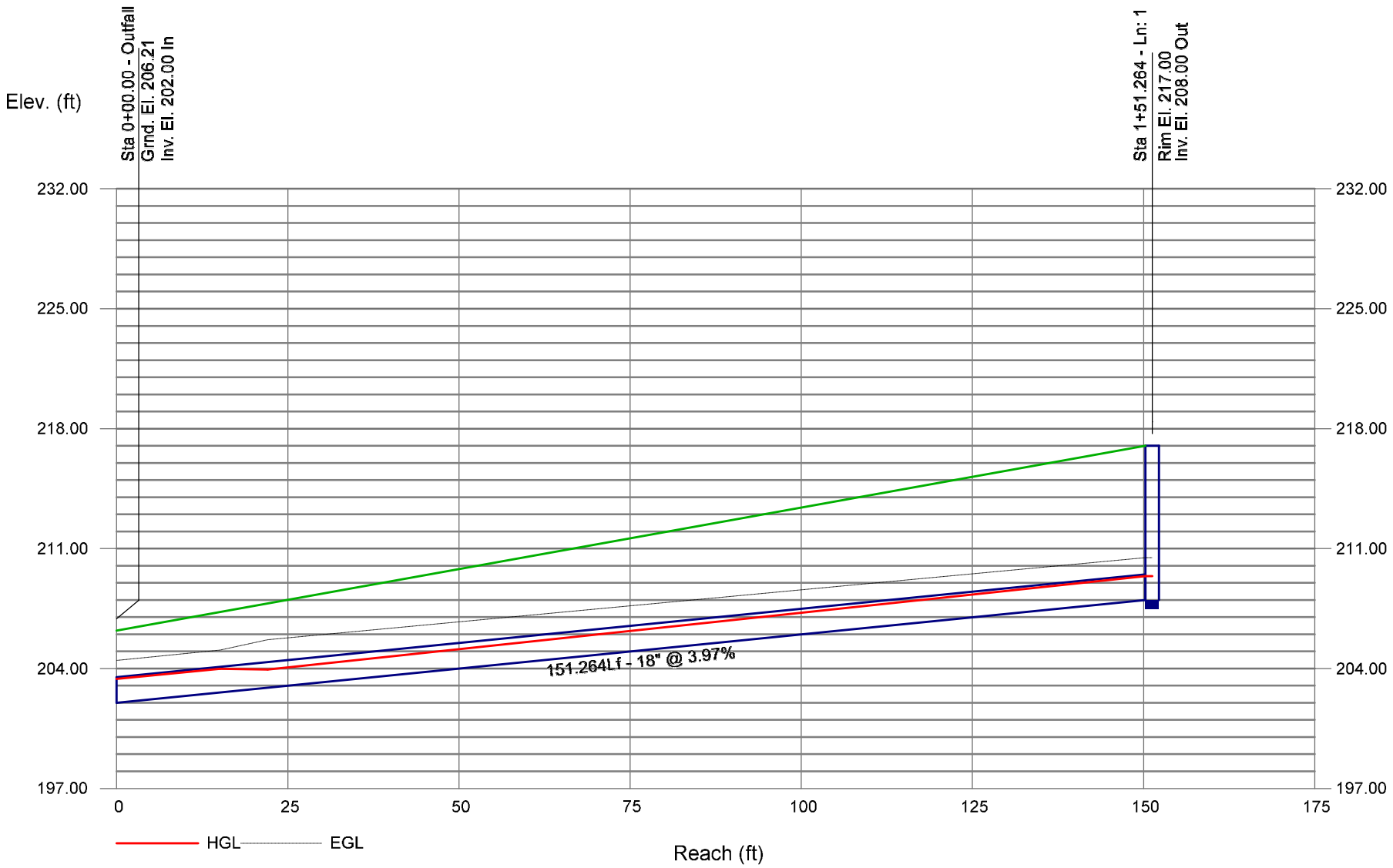
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	151.264	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	14.29	22.66	8.37	18	3.97	202.00	208.00	203.39	209.39	206.21	217.00	Pipe - (29)

Project File: 3-outflow.stm | Number of lines: 1 | Run Date: 9/25/2025

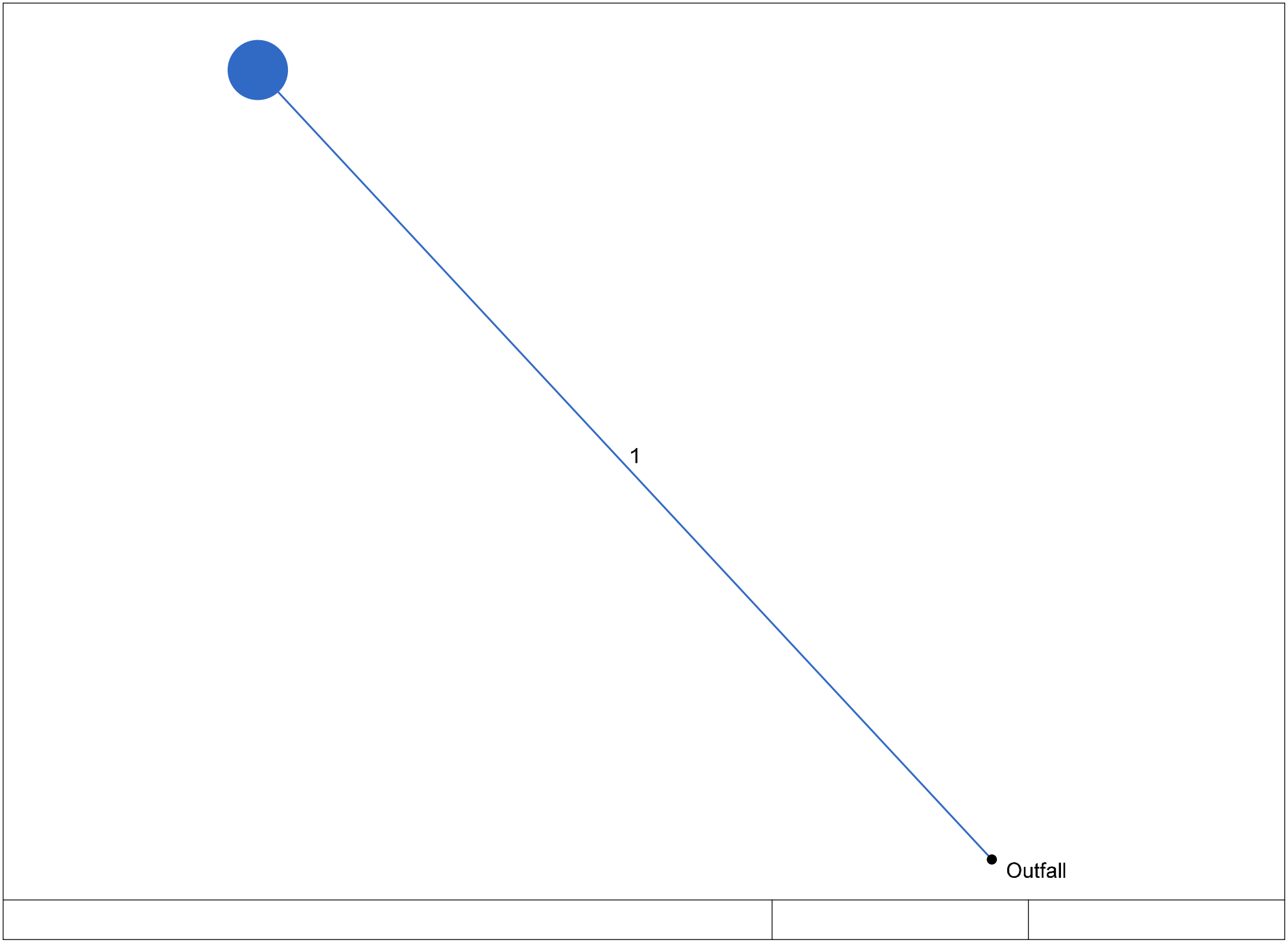
NOTES:Intensity = 127.16 / (Inlet time + 17.80) ^ 0.82; Return period =Yrs. 100 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 3-outflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Tabulation

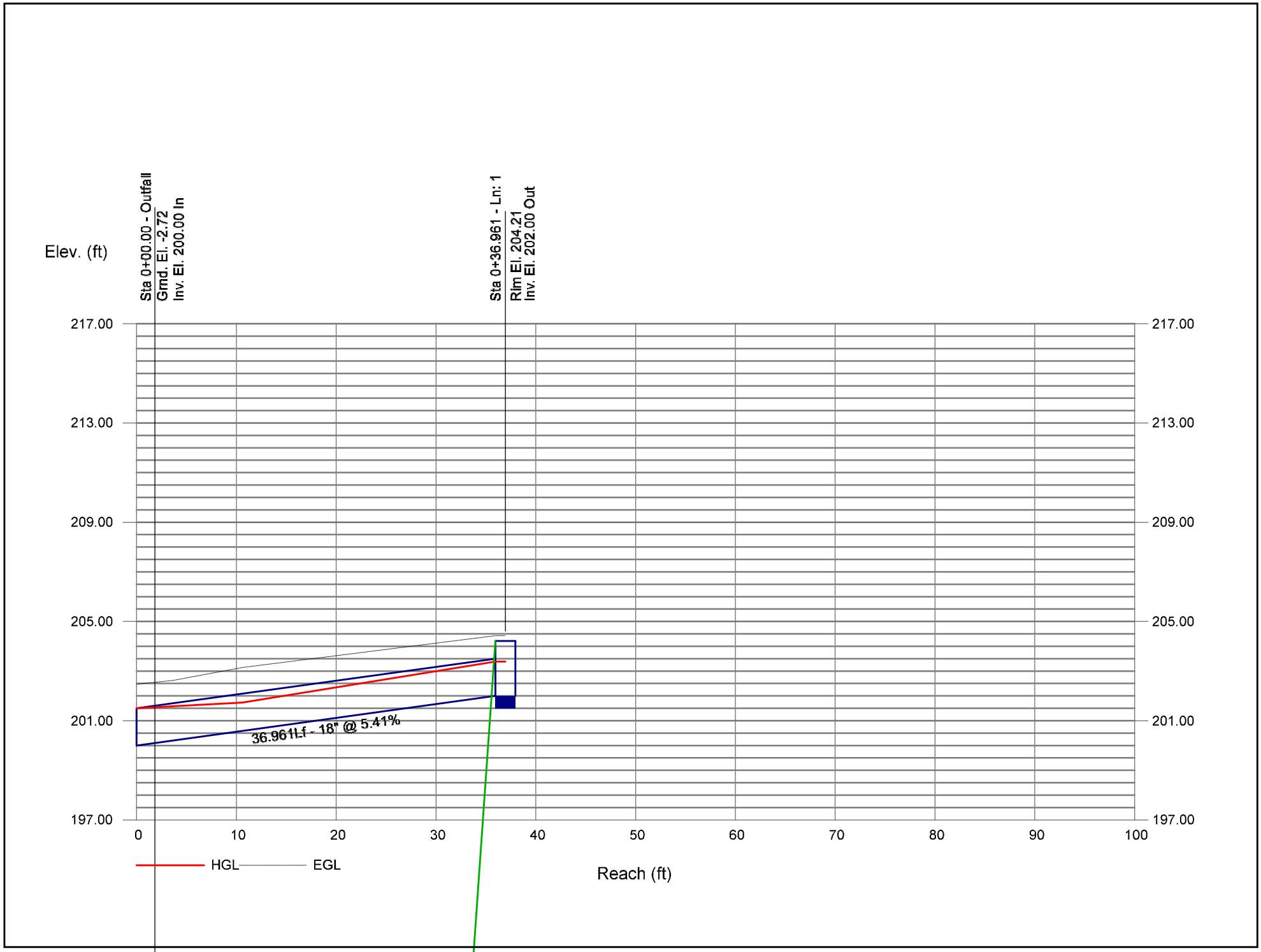
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	36.961	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	13.95	26.46	8.05	18	5.41	200.00	202.00	201.50	203.38	-2.72	204.21	Proposed Storm-P

Project File: 4A-outflow.stm | Number of lines: 1 | Run Date: 9/25/2025

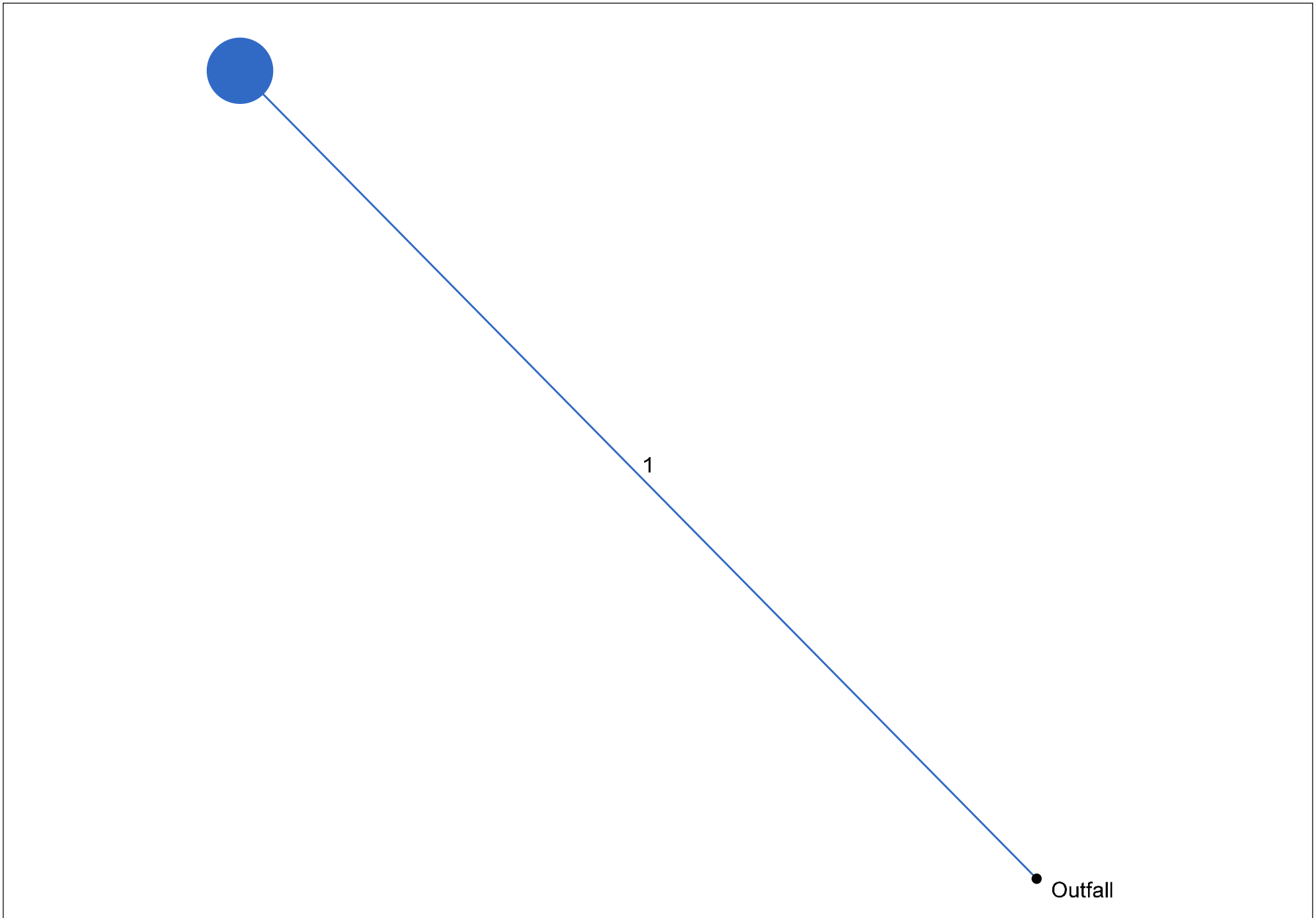
NOTES:Intensity = 127.16 / (Inlet time + 17.80) ^ 0.82; Return period =Yrs. 100 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 4A-outflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Project File: 4B-outflow.stm	Number of lines: 1	Date: 9/25/2025

Storm Sewer Tabulation

Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	35.170	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	13.95	27.13	8.05	18	5.69	200.00	202.00	201.50	203.38	-2.72	204.00	Proposed Storm-P

Project File: 4B-outflow.stm

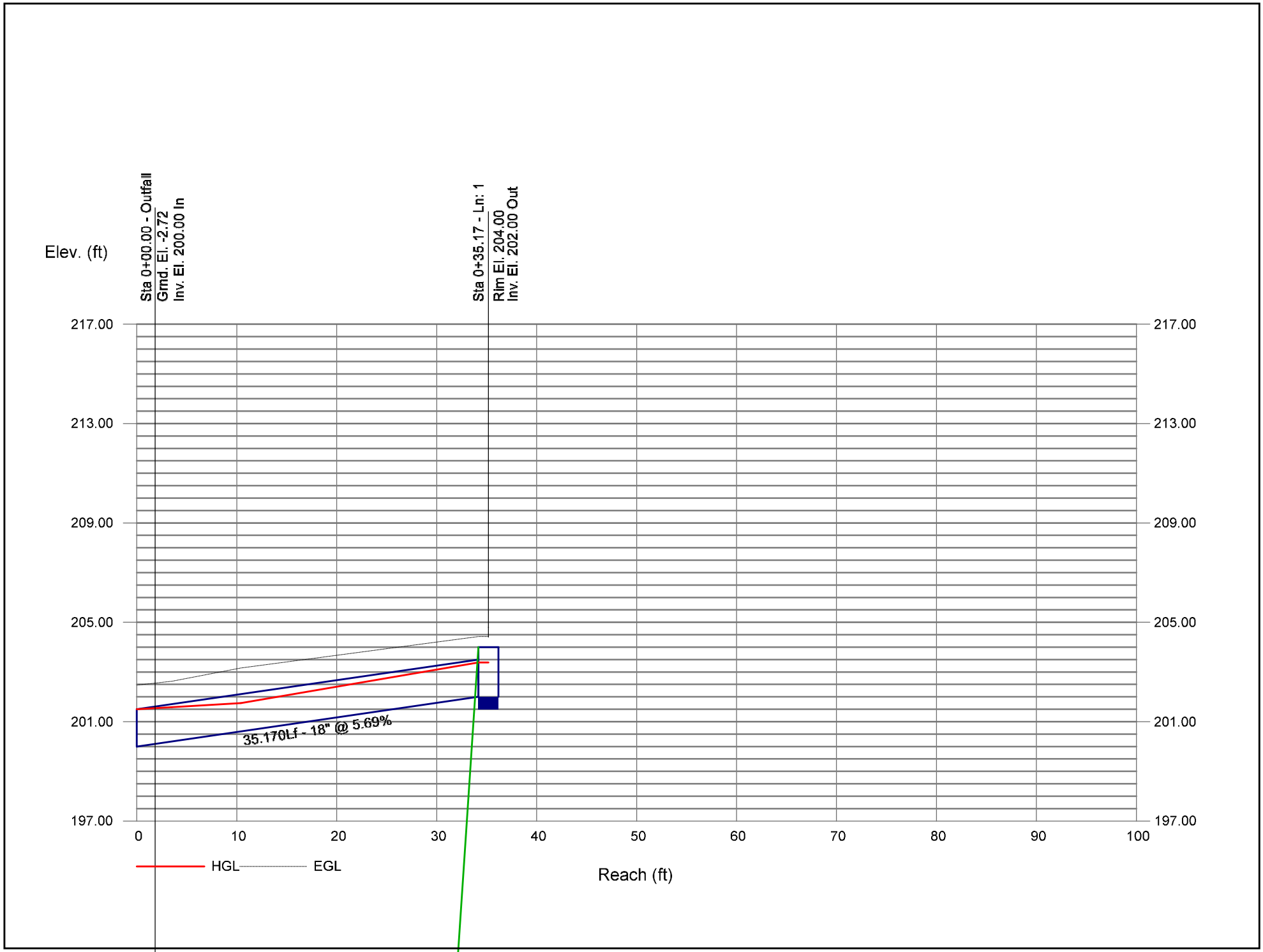
Number of lines: 1

Run Date: 9/25/2025

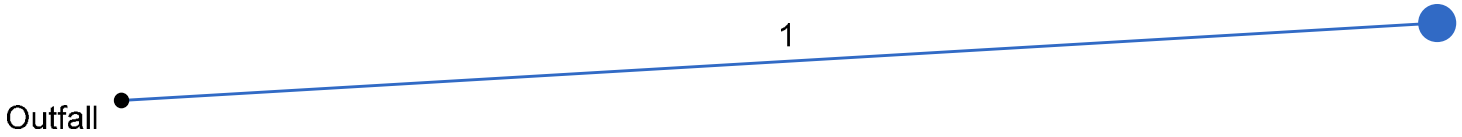
NOTES:Intensity = 127.16 / (Inlet time + 17.80) ^ 0.82; Return period =Yrs. 100 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 4B-outflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Project File: 5-outflow.stm	Number of lines: 1	Date: 9/25/2025

Storm Sewer Tabulation

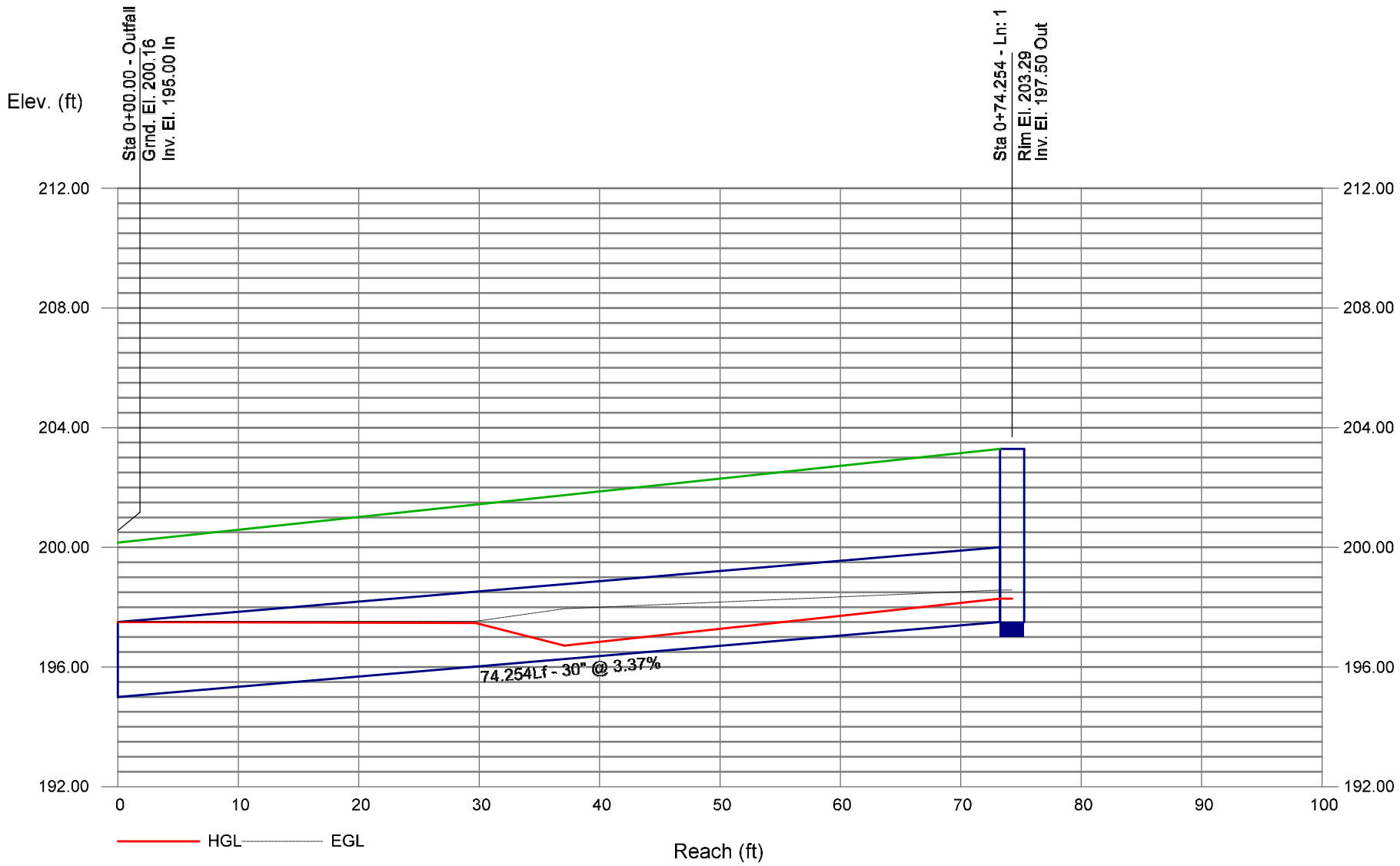
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	74.254	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	5.66	81.52	2.72	30	3.37	195.00	197.50	197.50	198.29	200.16	203.29	Pipe - (8)

Project File: 5-outflow.stm | Number of lines: 1 | Run Date: 9/25/2025

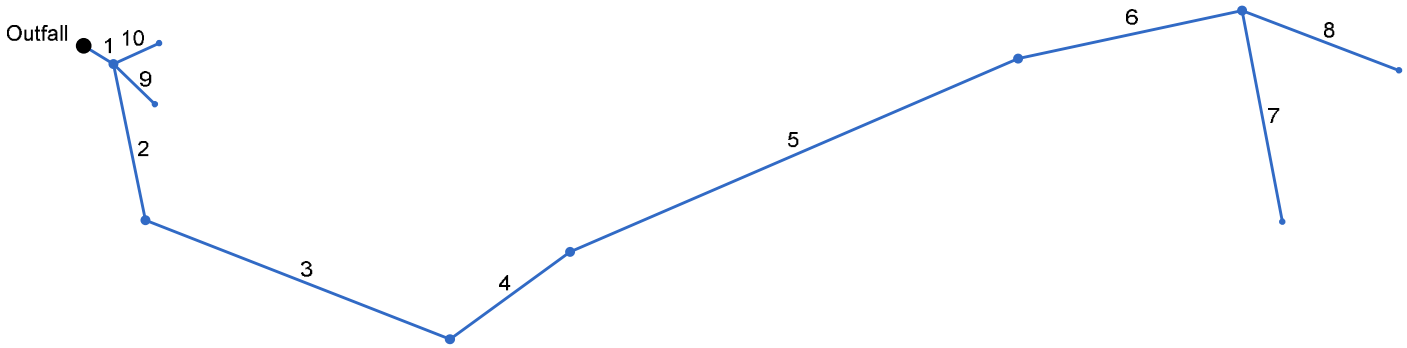
NOTES:Intensity = 127.16 / (Inlet time + 17.80) ^ 0.82; Return period =Yrs. 100 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 5-outflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Project File: 6-7-8-9-outflow.stm	Number of lines: 10	Date: 9/25/2025

Storm Sewer Tabulation

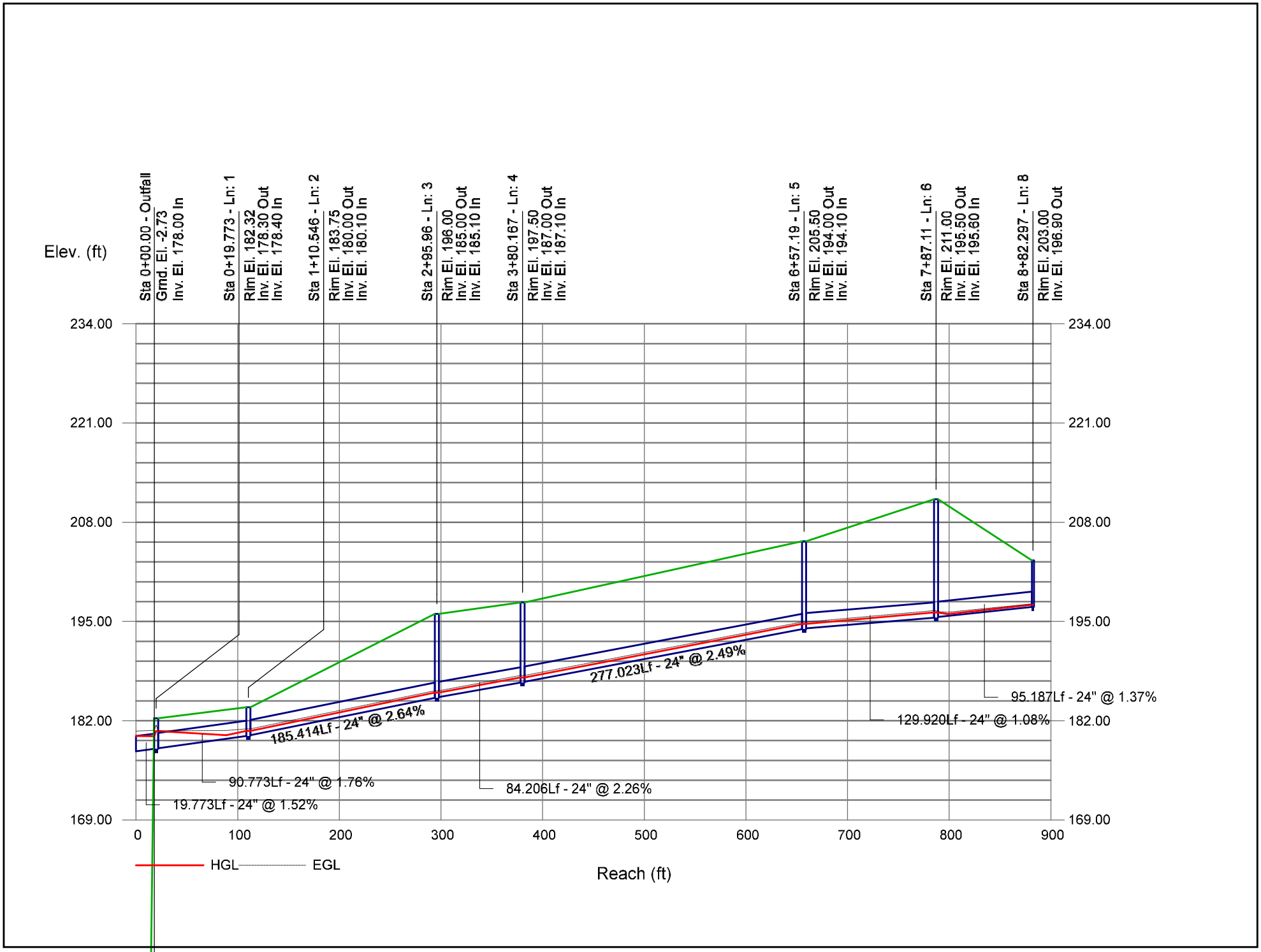
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	19.773	0.00	0.00	0.00	0.00	0.00	0.0	17.5	0.0	19.90	30.18	6.73	24	1.52	178.00	178.30	180.00	179.96	-2.73	182.32	Pipe - (26)
2	1	90.773	0.00	0.00	0.00	0.00	0.00	0.0	16.2	0.0	3.70	32.53	2.58	24	1.76	178.40	180.00	180.64	180.67	182.32	183.75	Proposed Storm-P
3	2	185.414	0.00	0.00	0.00	0.00	0.00	0.0	13.6	0.0	3.70	39.83	4.48	24	2.64	180.10	185.00	180.67	185.67	183.75	196.00	Proposed Storm-P
4	3	84.206	0.00	0.00	0.00	0.00	0.00	0.0	12.4	0.0	3.70	36.81	4.48	24	2.26	185.10	187.00	185.67	187.67	196.00	197.50	Proposed Storm-P
5	4	277.023	0.00	0.00	0.00	0.00	0.00	0.0	8.5	0.0	3.70	38.67	4.48	24	2.49	187.10	194.00	187.67	194.67	197.50	205.50	Proposed Storm-P
6	5	129.920	0.00	0.00	0.00	0.00	0.00	0.0	6.6	0.0	3.70	25.44	4.48	24	1.08	194.10	195.50	194.67	196.17	205.50	211.00	Proposed Storm-P
7	6	122.342	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	2.95	59.03	6.75	24	5.80	196.90	204.00	197.20	204.60	211.00	209.94	Pipe - (23) (1)
8	6	95.187	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.75	28.63	1.79	24	1.37	195.60	196.90	196.17	197.20	211.00	203.00	Pipe - (23)
9	1	32.763	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	10.25	21.40	3.26	24	0.76	178.40	178.65	180.64	180.65	182.32	183.00	Pipe - (27)
10	1	28.521	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	5.95	22.94	1.89	24	0.88	178.40	178.65	180.64	180.65	182.32	183.00	Pipe - (25)

Project File: 6-7-8-9-outflow.stm | Number of lines: 10 | Run Date: 9/25/2025

NOTES:Intensity = 127.16 / (Inlet time + 17.80) ^ 0.82; Return period =Yrs. 100 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 6-7-8-9-outflow.stm



Storm Sewer Profile

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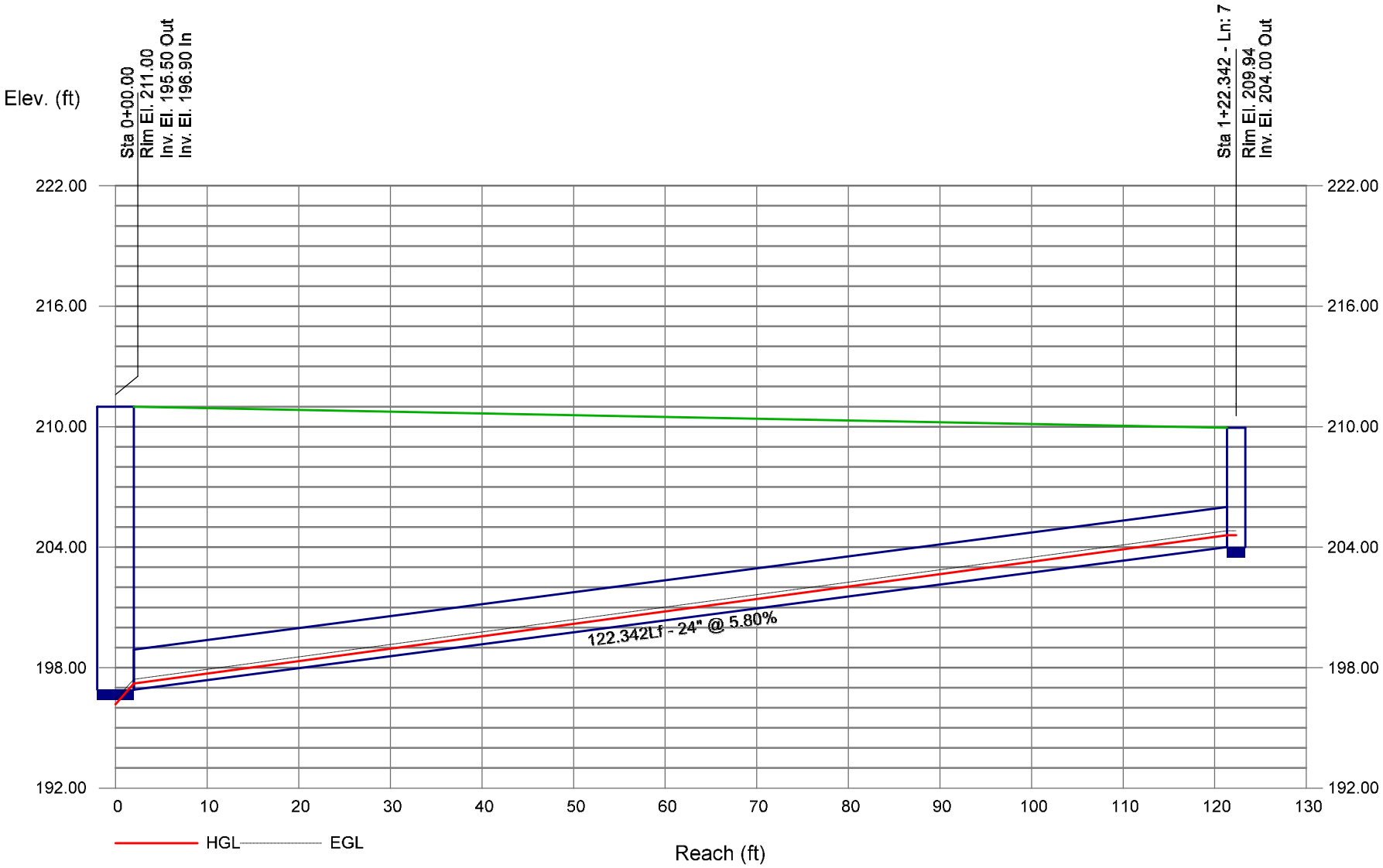

Storm Sewer Profile

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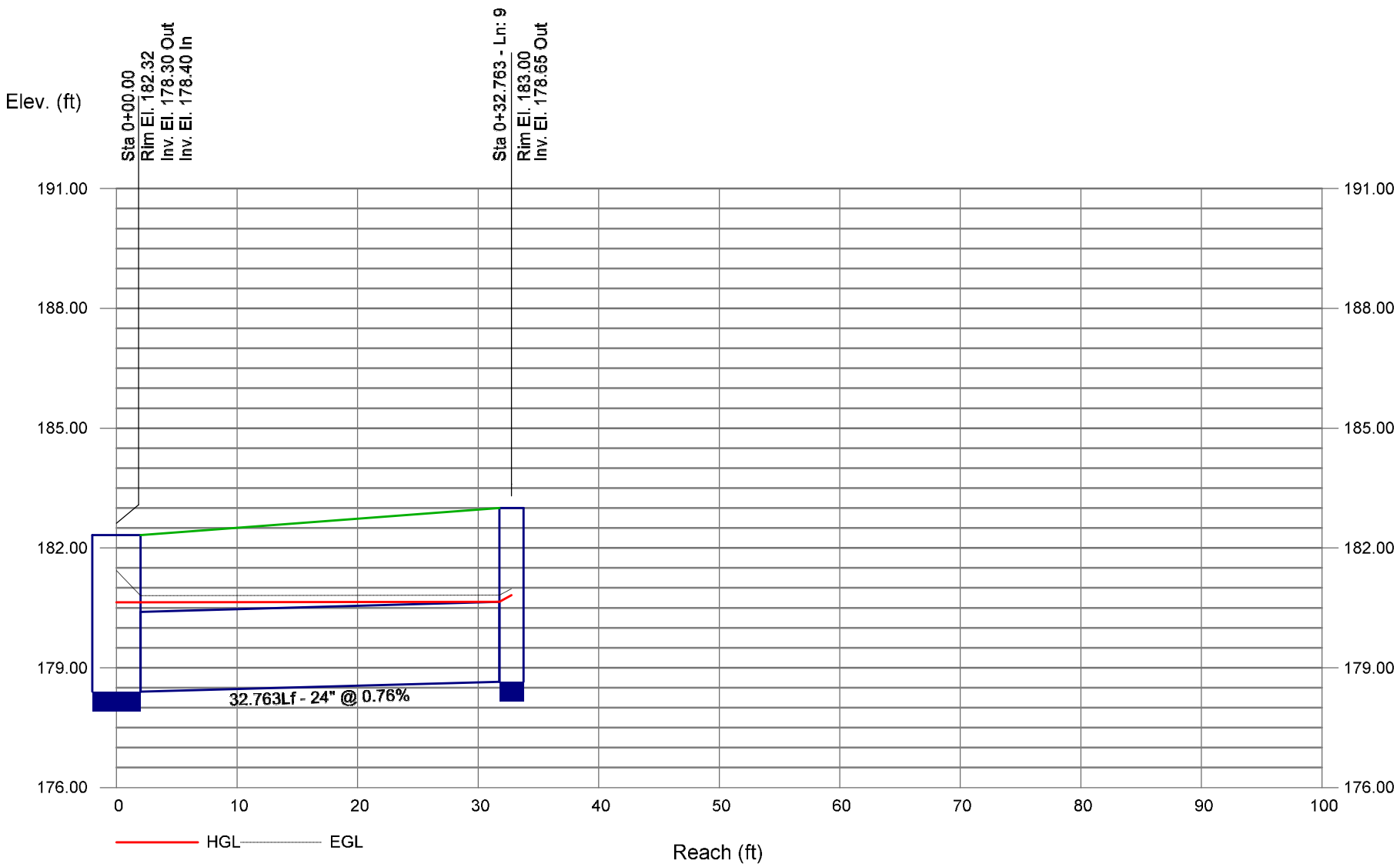
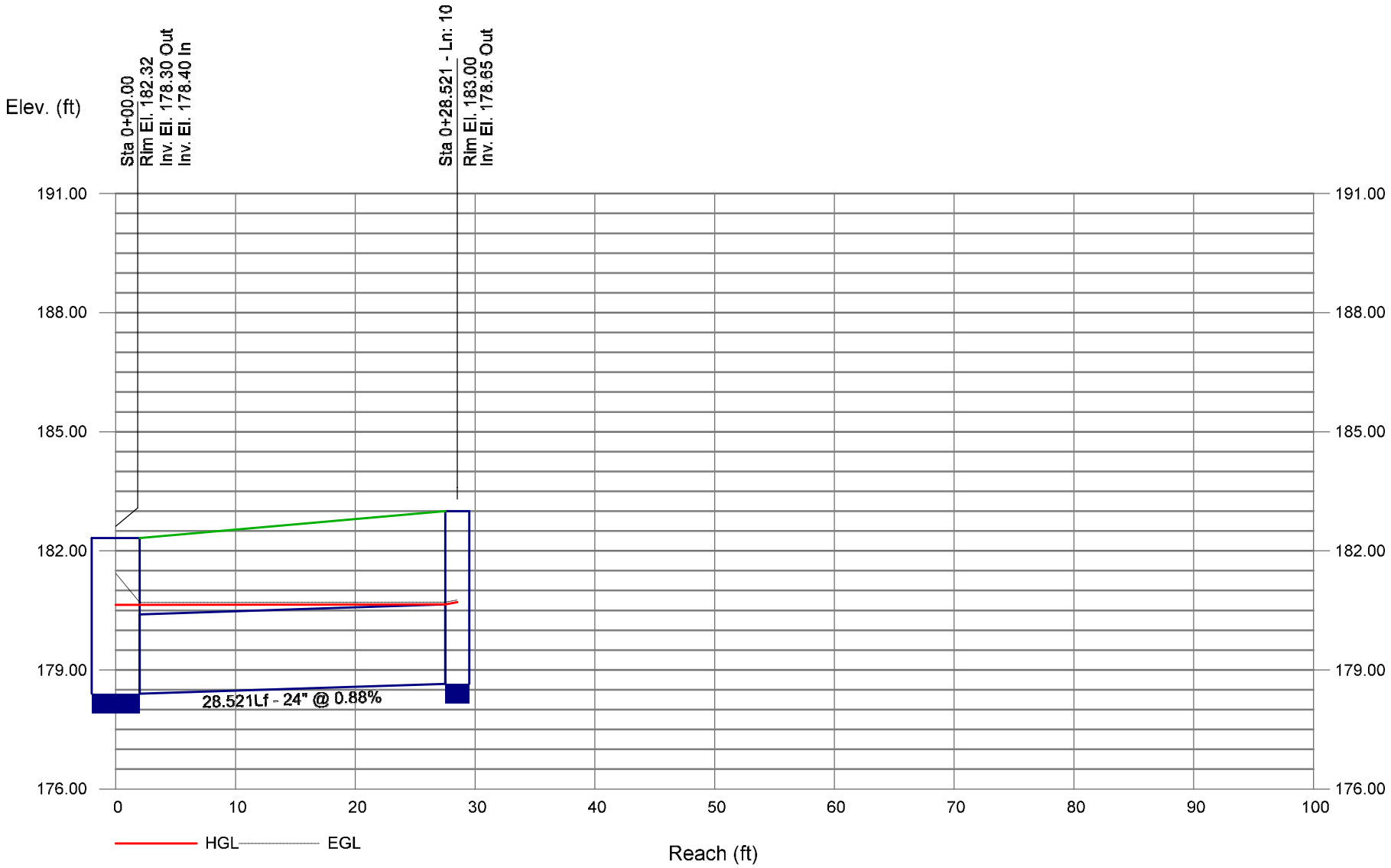
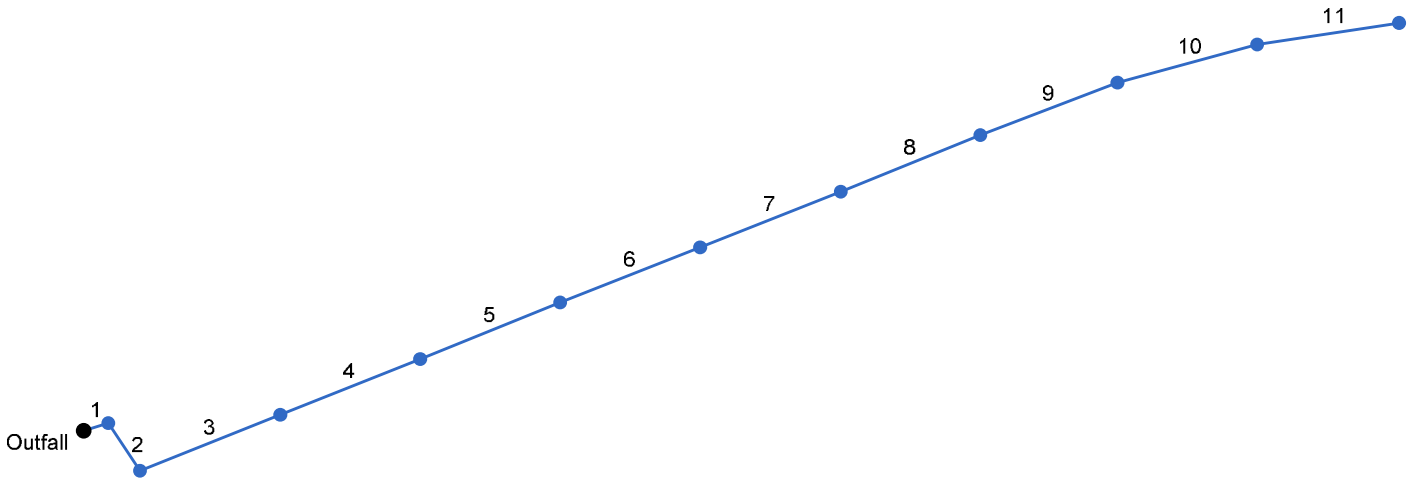


Storm Sewer Profile

Proj. file: 6-7-8-9-outflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Tabulation

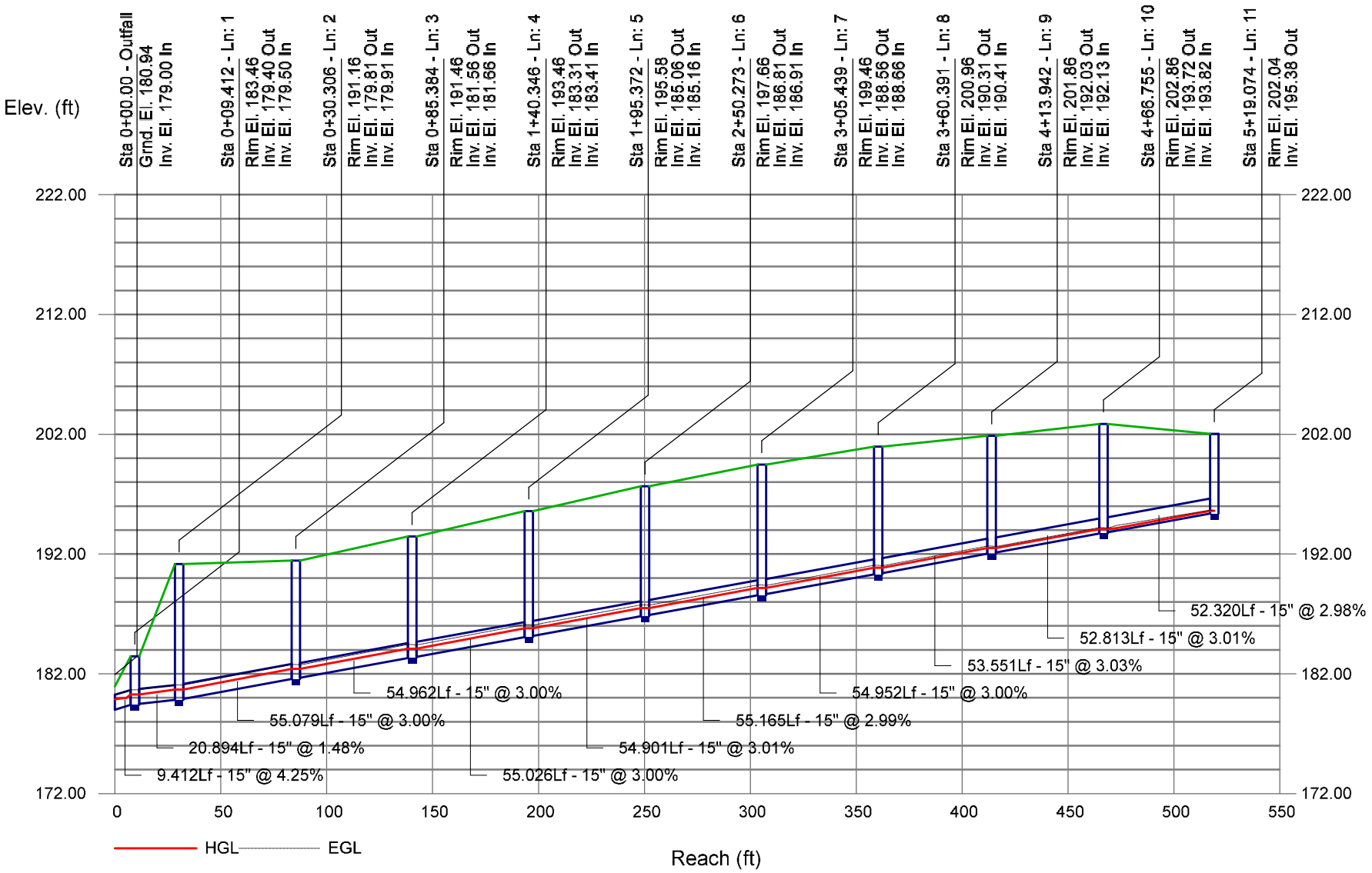
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	9.412	0.00	1.10	0.74	0.00	0.81	10.0	17.5	5.7	4.60	14.42	5.05	15	4.25	179.00	179.40	179.87	180.27	180.94	183.46	Pipe - (22)
2	1	20.894	0.08	1.10	0.74	0.06	0.81	10.0	17.5	5.7	4.61	8.52	5.44	15	1.48	179.50	179.81	180.27	180.68	183.46	191.16	Proposed Storm-P
3	2	55.079	0.12	1.02	0.74	0.09	0.75	10.0	17.2	5.7	4.30	12.11	5.17	15	3.00	179.91	181.56	180.68	182.40	191.16	191.46	Pipe - (21)
4	3	54.962	0.12	0.90	0.74	0.09	0.67	10.0	17.0	5.7	3.82	12.12	4.87	15	3.00	181.66	183.31	182.40	184.10	191.46	193.46	Pipe - (20)
5	4	55.026	0.12	0.78	0.74	0.09	0.58	10.0	16.7	5.8	3.33	12.11	4.62	15	3.00	183.41	185.06	184.10	185.80	193.46	195.58	Pipe - (19)
6	5	54.901	0.12	0.66	0.74	0.09	0.49	10.0	16.3	5.8	2.84	12.13	4.37	15	3.01	185.16	186.81	185.80	187.49	195.58	197.66	Pipe - (18)
7	6	55.165	0.12	0.54	0.74	0.09	0.40	10.0	15.9	5.9	2.35	12.10	4.09	15	2.99	186.91	188.56	187.49	189.17	197.66	199.46	Pipe - (17)
8	7	54.952	0.12	0.42	0.74	0.09	0.31	10.0	15.4	6.0	1.85	12.12	3.78	15	3.00	188.66	190.31	189.17	190.85	199.46	200.96	Pipe - (16)
9	8	53.551	0.12	0.30	0.74	0.09	0.22	10.0	14.6	6.1	1.35	12.17	3.40	15	3.03	190.41	192.03	190.85	192.49	200.96	201.86	Pipe - (15)
10	9	52.813	0.12	0.18	0.74	0.09	0.13	10.0	13.5	6.3	0.84	12.14	2.88	15	3.01	192.13	193.72	192.49	194.08	201.86	202.86	Pipe - (14)
11	10	52.320	0.06	0.06	0.74	0.04	0.04	10.0	10.0	6.9	0.31	12.08	1.94	15	2.98	193.82	195.38	194.08	195.59	202.86	202.04	Pipe - (13)

Project File: 8-inflow.stm | Number of lines: 11 | Run Date: 9/25/2025

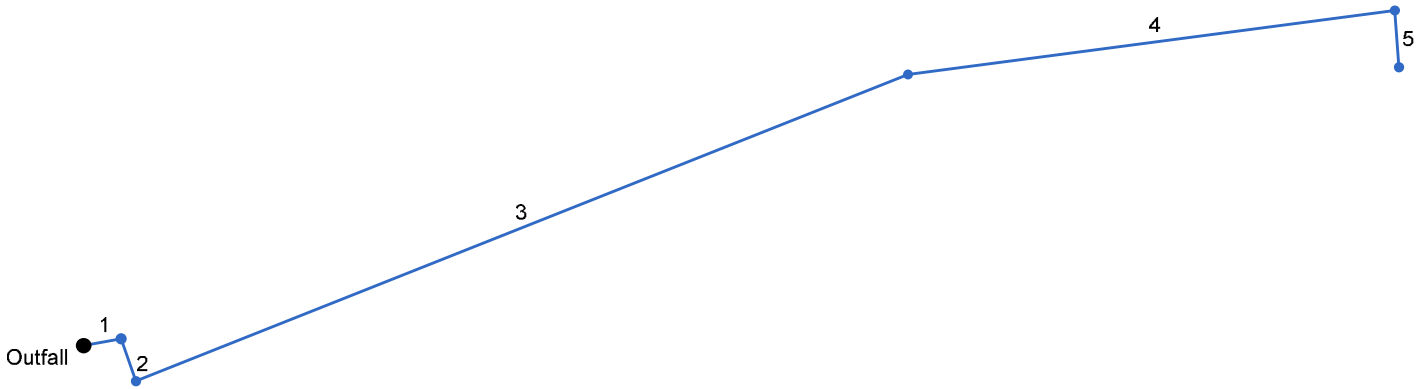
NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 8-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Tabulation

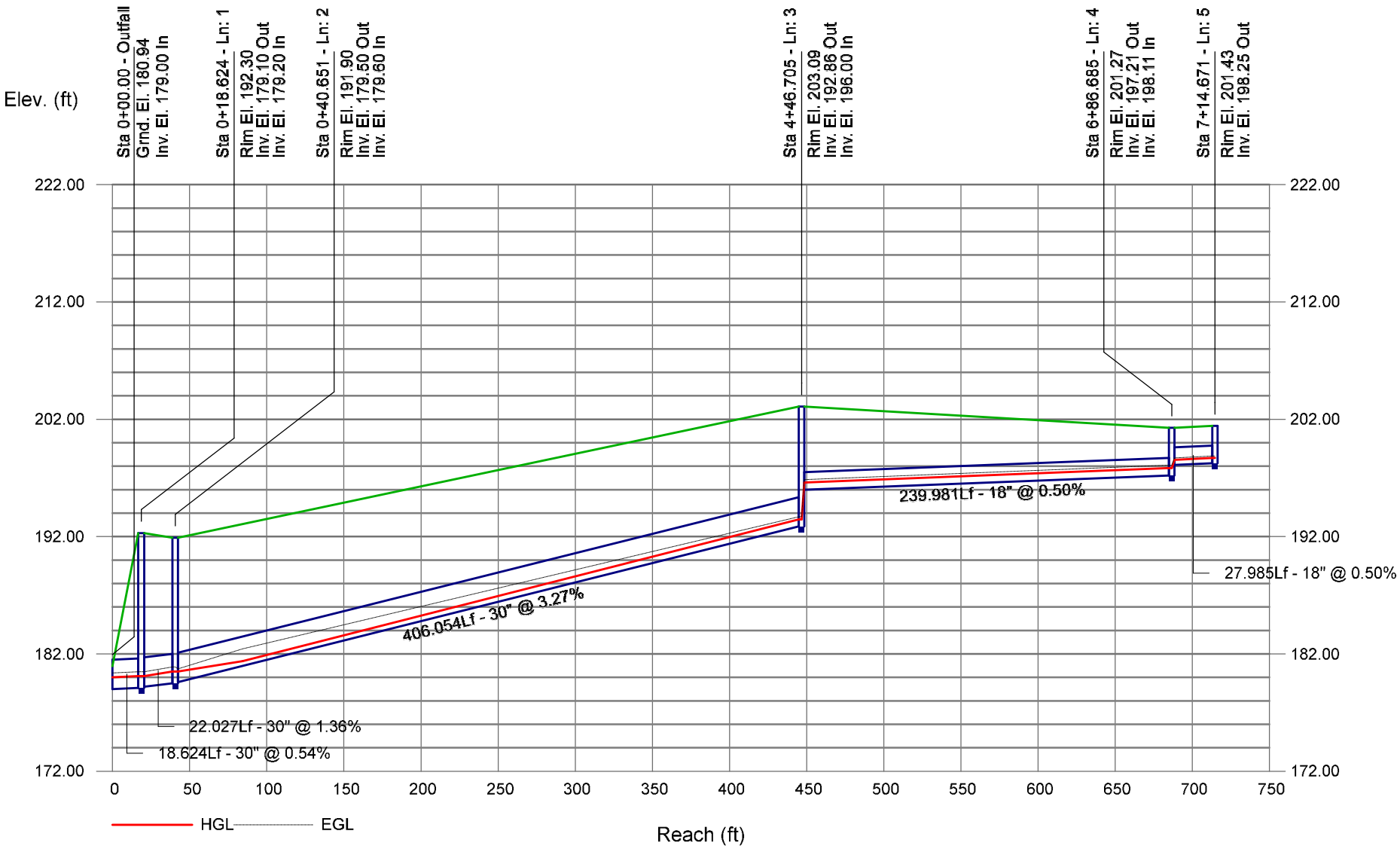
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	18.624	0.00	1.82	0.00	0.00	1.78	0.0	22.5	5.1	9.02	32.56	4.92	30	0.54	179.00	179.10	180.00	180.10	180.94	192.30	Pipe - (12)
2	1	22.027	1.27	1.82	0.98	1.24	1.78	10.0	22.3	5.1	9.05	51.85	5.30	30	1.36	179.20	179.50	180.10	180.50	192.30	191.90	Proposed Storm-P
3	2	406.054	0.13	0.55	0.98	0.13	0.54	10.0	13.1	6.3	3.42	80.29	2.93	30	3.27	179.60	192.86	180.50	193.47	191.90	203.09	Pipe - (11)
4	3	239.981	0.21	0.42	0.98	0.21	0.41	10.0	10.6	6.8	2.81	8.08	4.05	18	0.50	196.00	197.21	196.61	197.85	203.09	201.27	Pipe - (10)
5	4	27.985	0.21	0.21	0.98	0.21	0.21	10.0	10.0	6.9	1.43	8.05	3.33	18	0.50	198.11	198.25	198.54	198.70	201.27	201.43	Pipe - (9)

Project File: 9-inflow.stm | Number of lines: 5 | Run Date: 9/25/2025

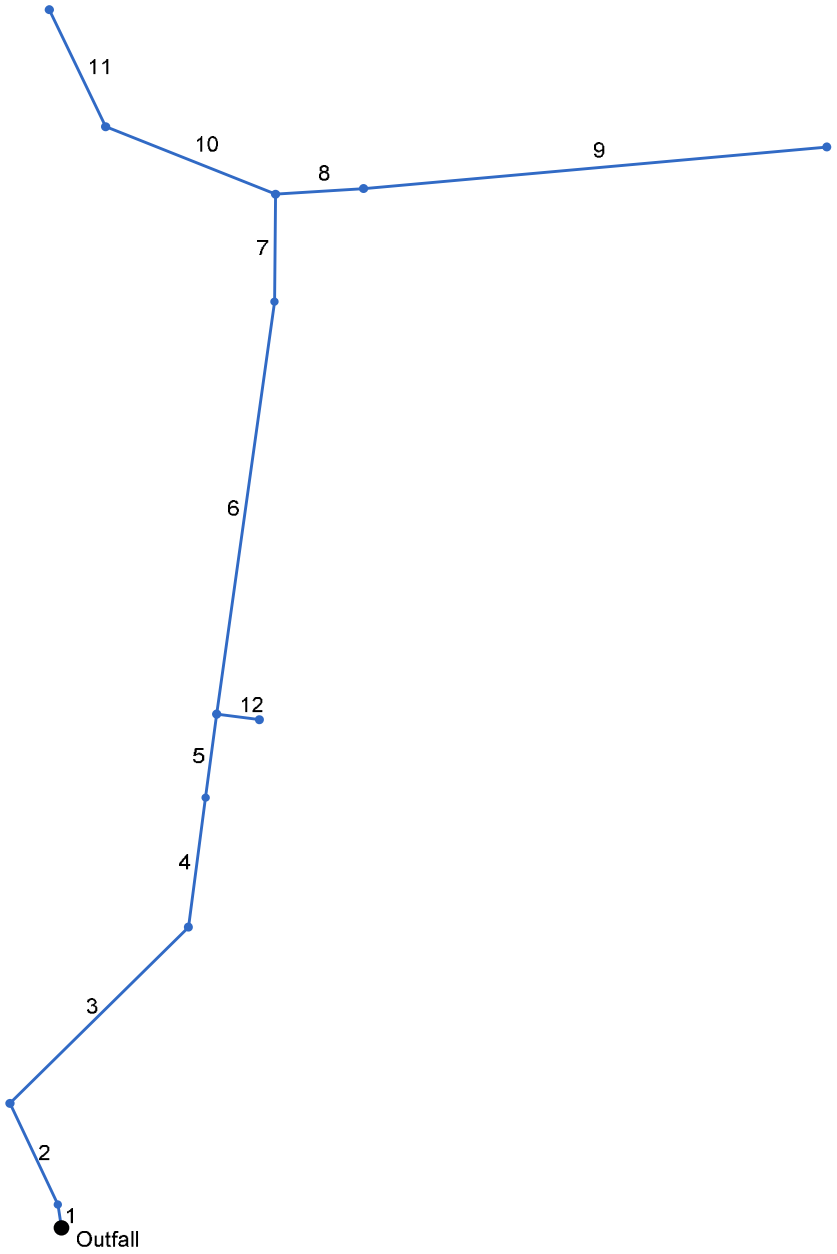
NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 9-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Tabulation

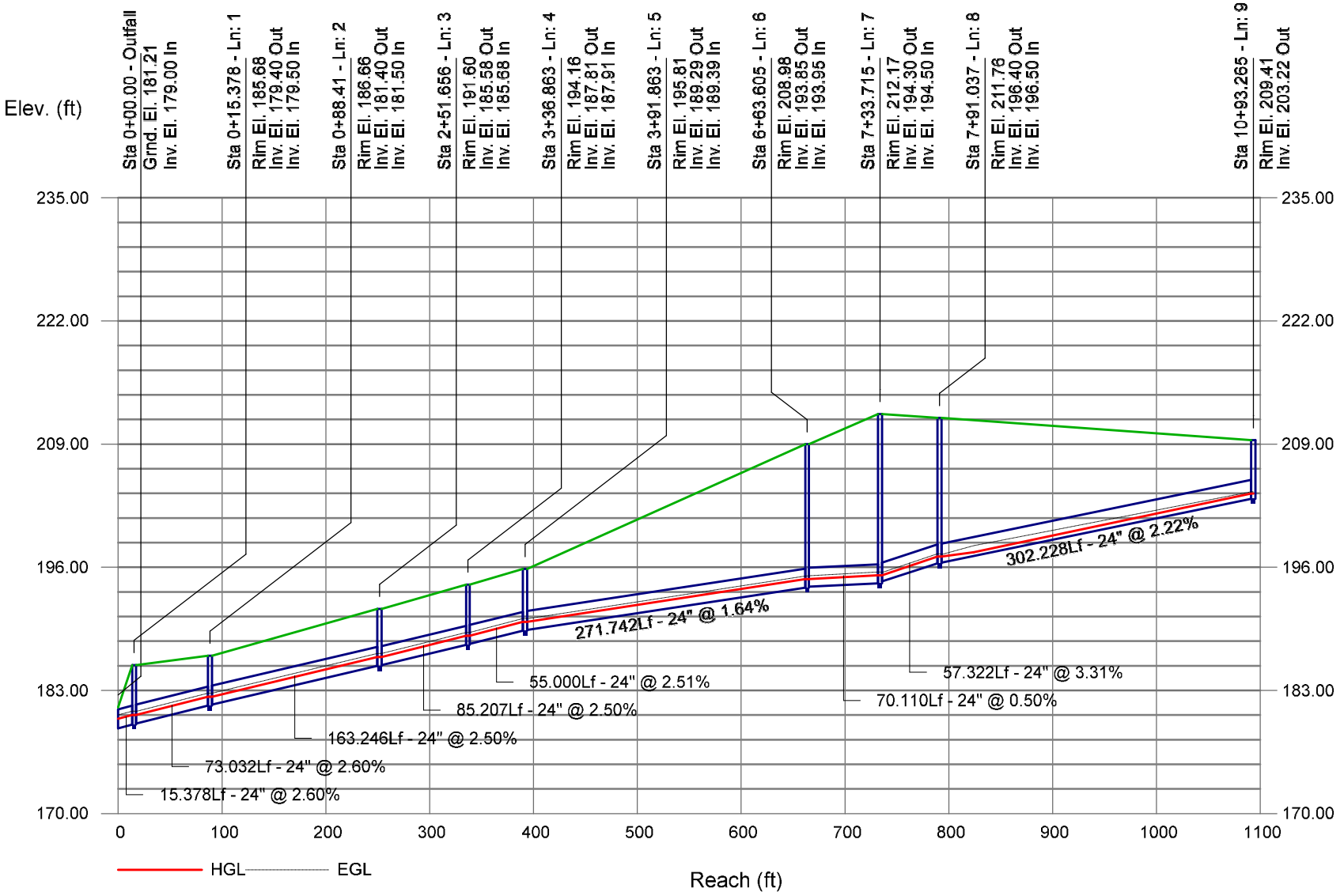
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	15.378	0.25	1.61	0.98	0.25	1.58	10.0	21.8	5.1	8.09	39.52	5.08	24	2.60	179.00	179.40	180.01	180.41	181.21	185.68	Pipe - (40)
2	1	73.032	0.00	1.36	0.00	0.00	1.33	0.0	21.3	5.2	6.91	39.52	4.88	24	2.60	179.50	181.40	180.41	182.33	185.68	186.66	Pipe - (39)
3	2	163.246	0.00	1.36	0.00	0.00	1.33	0.0	20.3	5.3	7.07	38.74	5.29	24	2.50	181.50	185.58	182.33	186.52	186.66	191.60	Pipe - (38)
4	3	85.207	0.04	1.36	0.98	0.04	1.33	10.0	19.7	5.4	7.16	38.74	5.28	24	2.50	185.68	187.81	186.52	188.76	191.60	194.16	Pipe - (37)
5	4	55.000	0.00	1.32	0.00	0.00	1.29	0.0	19.4	5.4	7.00	38.81	5.18	24	2.51	187.91	189.29	188.76	190.23	194.16	195.81	Pipe - (36)
6	5	271.742	0.08	1.14	0.98	0.08	1.12	10.0	17.4	5.7	6.34	31.39	4.88	24	1.64	189.39	193.85	190.23	194.74	195.81	208.98	Pipe - (35)
7	6	70.110	0.00	1.06	0.00	0.00	1.04	0.0	16.9	5.7	5.97	17.31	4.80	24	0.50	193.95	194.30	194.76	195.16	208.98	212.17	Pipe - (34)
8	7	57.322	0.41	0.78	0.98	0.40	0.76	10.0	16.3	5.8	4.46	44.61	4.55	24	3.31	194.50	196.40	195.16	197.14	212.17	211.76	Pipe - (42)
9	8	302.228	0.37	0.37	0.98	0.36	0.36	10.0	10.0	6.9	2.52	36.54	3.23	24	2.22	196.50	203.22	197.14	203.77	211.76	209.41	Pipe - (41)
10	7	118.868	0.00	0.28	0.00	0.00	0.27	0.0	12.3	6.5	1.78	24.41	3.88	24	0.99	196.90	198.08	197.27	198.54	212.17	212.86	Pipe - (33)
11	10	84.585	0.28	0.28	0.98	0.27	0.27	10.0	10.0	6.9	1.91	24.13	3.94	24	0.97	198.18	199.00	198.56	199.48	212.86	213.48	Pipe - (32)
12	5	28.000	0.18	0.18	0.98	0.18	0.18	10.0	10.0	6.9	1.23	25.36	3.54	24	1.07	192.00	192.30	192.30	192.68	195.81	195.81	Pipe - (43)

Project File: 10-inflow.stm | Number of lines: 12 | Run Date: 9/25/2025

NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

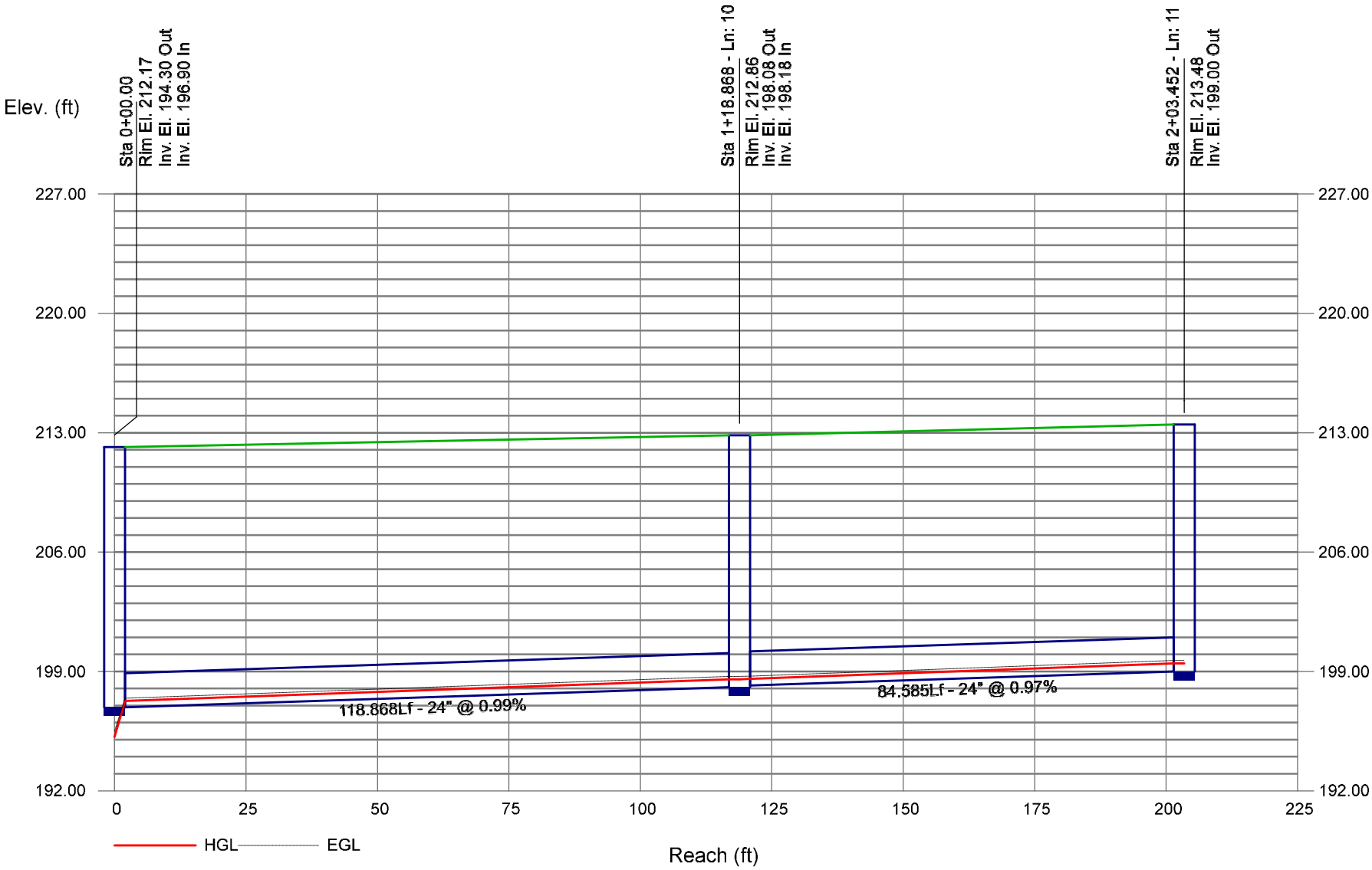
Storm Sewer Profile

Proj. file: 10-inflow.stm



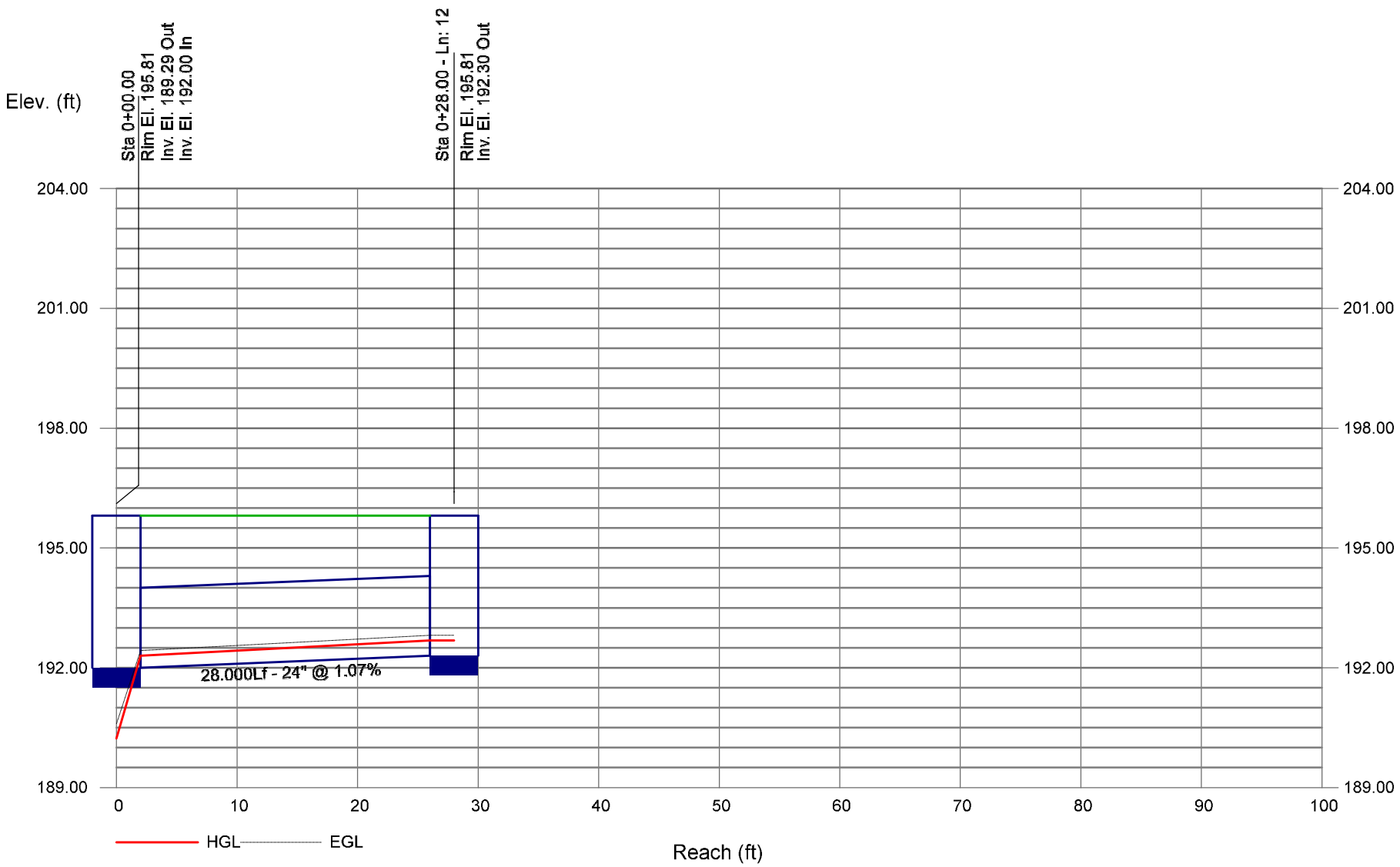
Storm Sewer Profile

Proj. file: 10-inflow.stm

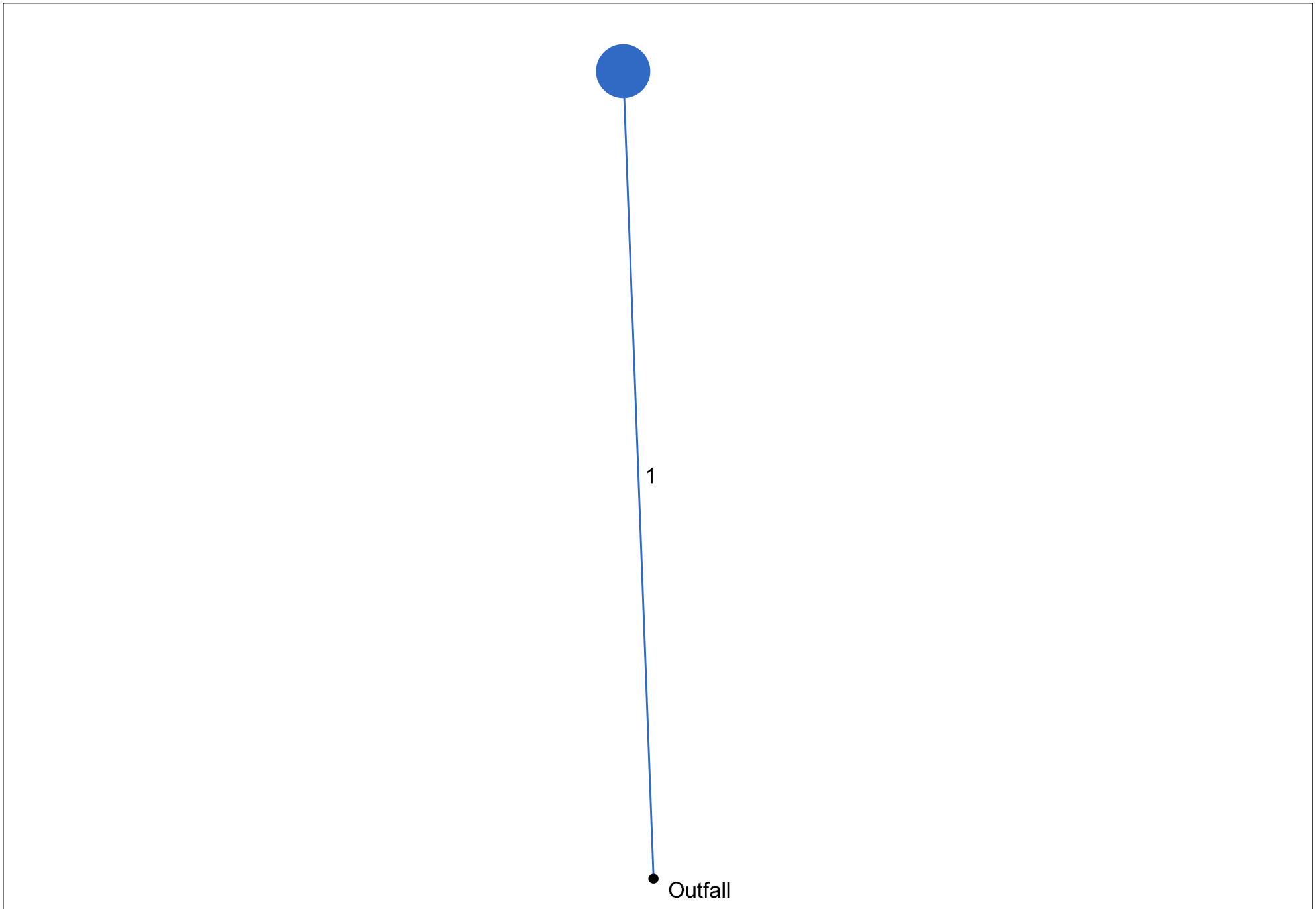


Storm Sewer Profile

Proj. file: 10-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Project File: 10-outflow.stm	Number of lines: 1	Date: 9/25/2025

Storm Sewer Tabulation

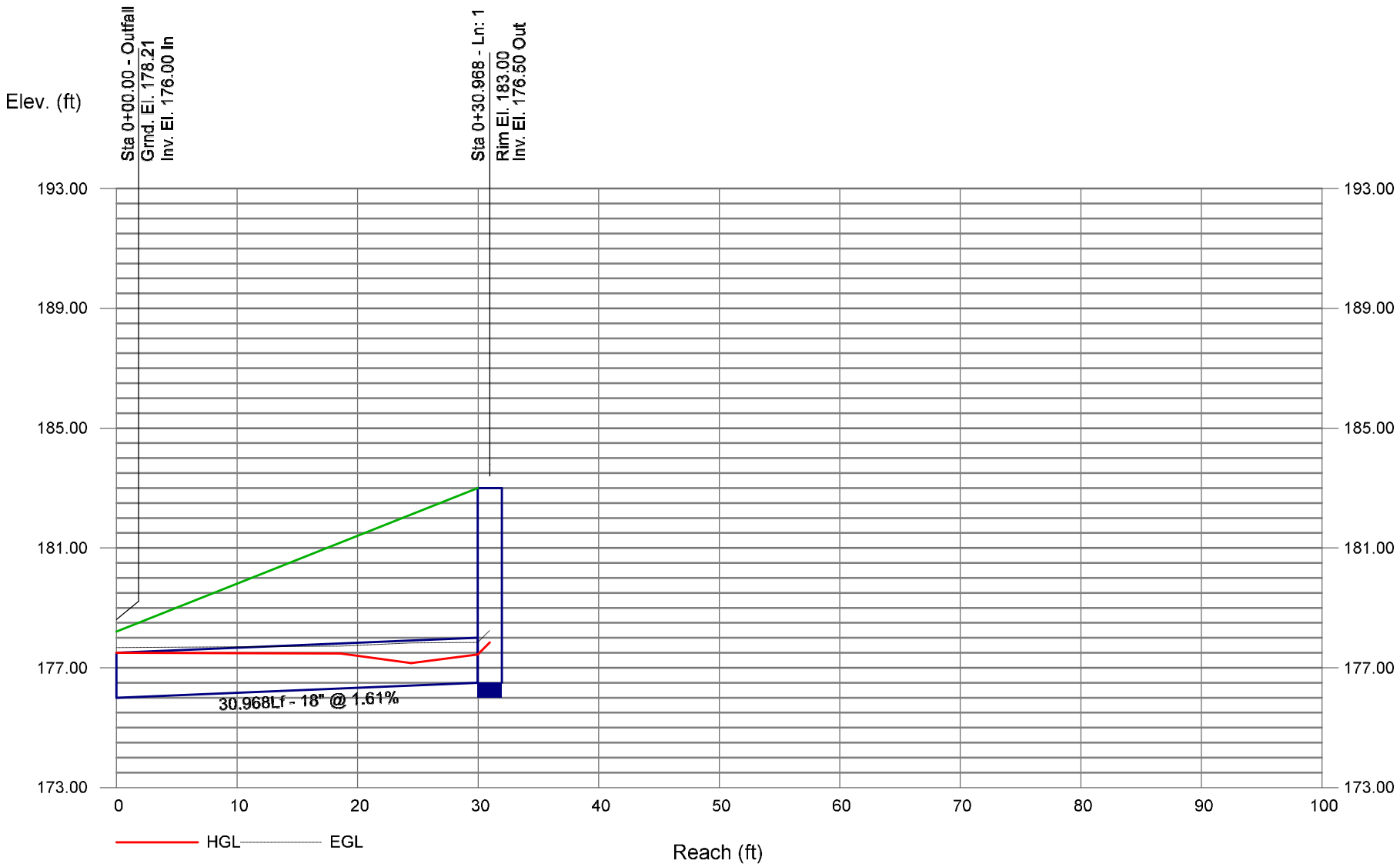
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	30.968	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	5.95	14.46	4.22	18	1.61	176.00	176.50	177.50	177.44	178.21	183.00	Pipe - (483)

Project File: 10-outflow.stm | Number of lines: 1 | Run Date: 9/25/2025

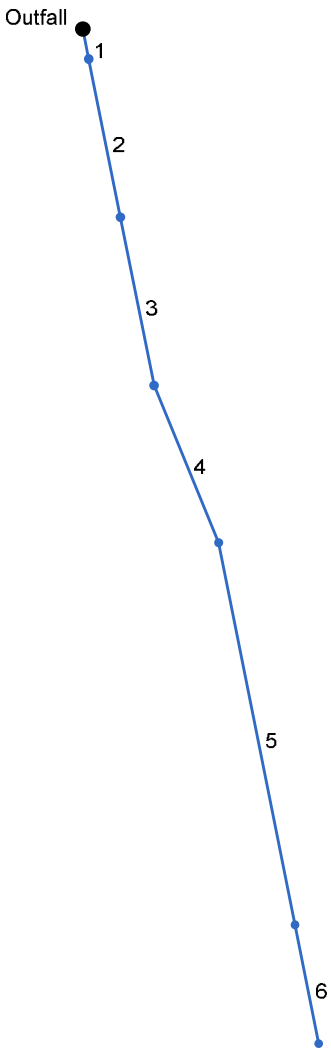
NOTES:Intensity = 127.16 / (Inlet time + 17.80) ^ 0.82; Return period =Yrs. 100 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 10-outflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Tabulation

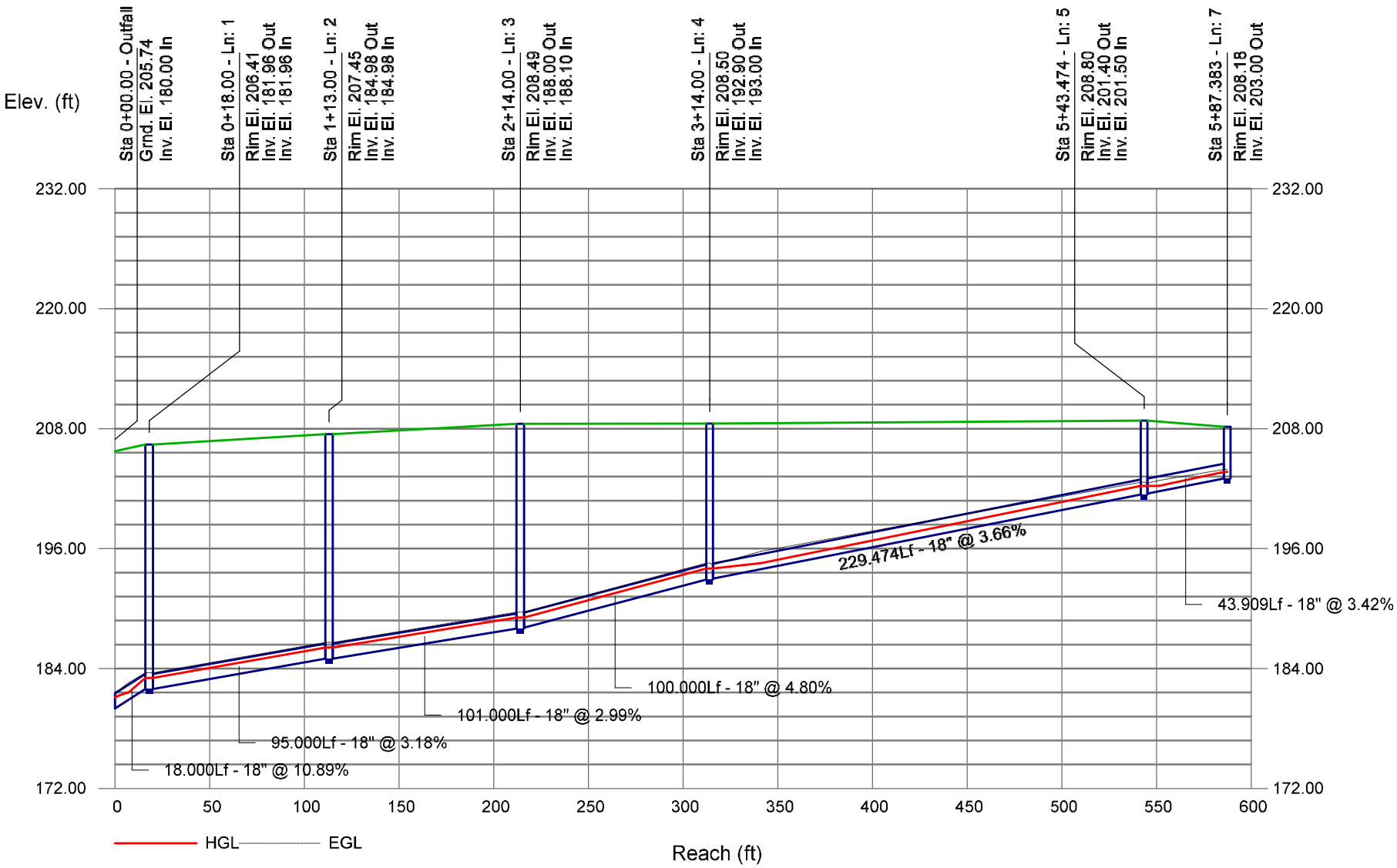
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	18.000	0.00	1.32	0.00	0.00	1.29	0.0	13.8	6.2	8.05	37.54	5.78	18	10.89	180.00	181.96	181.11	183.06	205.74	206.41	Proposed Storm-P
2	1	95.000	0.00	1.32	0.00	0.00	1.29	0.0	13.4	6.3	8.13	20.28	5.85	18	3.18	181.96	184.98	183.06	186.08	206.41	207.45	Proposed Storm-P
3	2	101.000	0.00	1.32	0.98	0.00	1.29	10.0	13.1	6.3	8.21	19.67	5.88	18	2.99	184.98	188.00	186.08	189.11	207.45	208.49	Proposed Storm-P
4	3	100.000	0.33	1.32	0.98	0.32	1.29	10.0	12.7	6.4	8.29	24.92	6.22	18	4.80	188.10	192.90	189.11	194.01	208.49	208.50	Proposed Storm-P
5	4	229.474	0.12	0.79	0.98	0.12	0.77	10.0	11.5	6.6	5.14	21.77	4.43	18	3.66	193.00	201.40	194.01	202.27	208.50	208.80	Pipe - (130)
6	5	71.290	0.21	0.21	0.98	0.21	0.21	10.0	10.0	6.9	1.43	21.30	2.39	18	3.51	201.50	204.00	202.27	204.45	208.80	210.00	Pipe - (136)

Project File: 11-inflow.stm | Number of lines: 6 | Run Date: 9/25/2025

NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

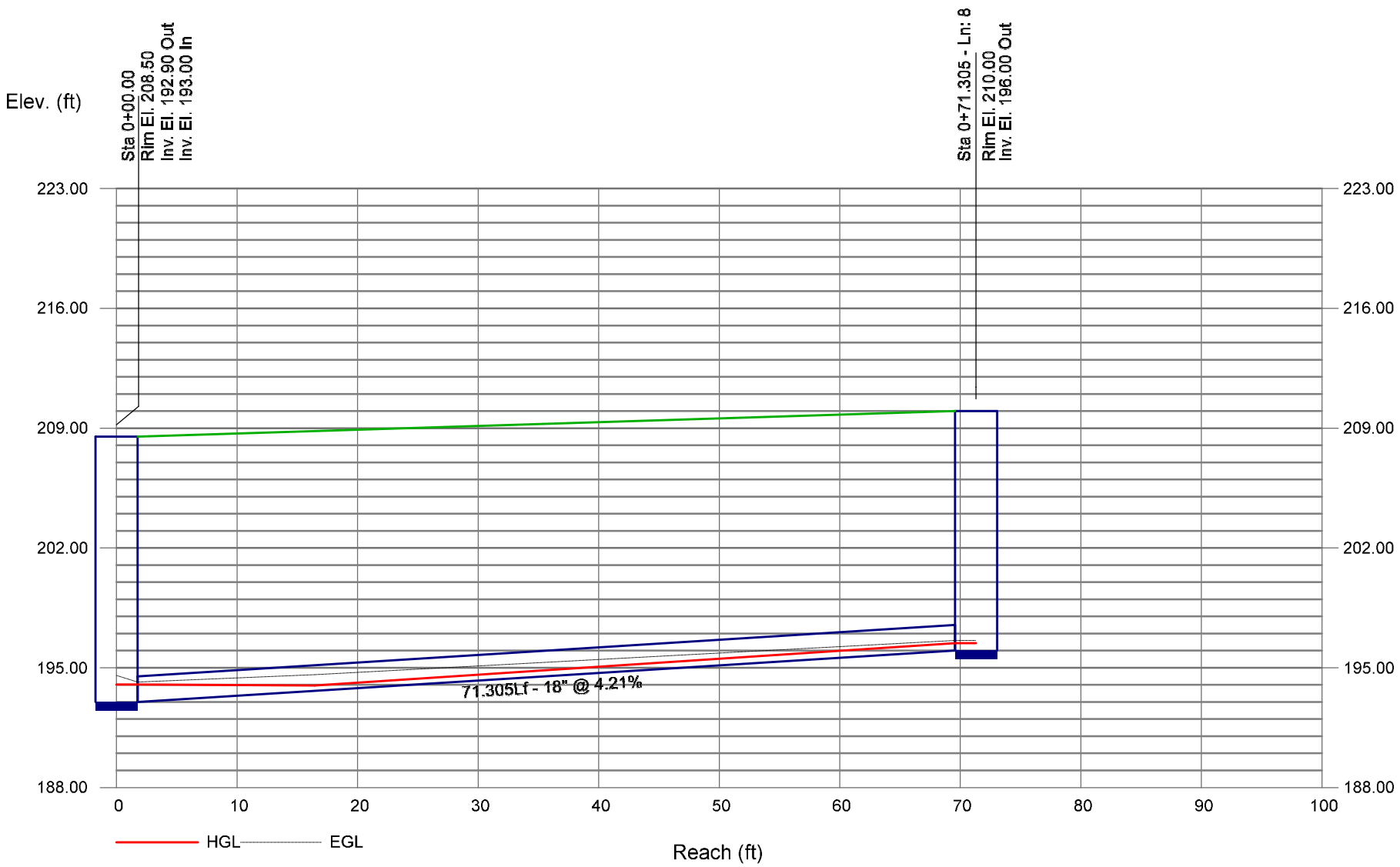
Storm Sewer Profile

Proj. file: 11-inflow.stm

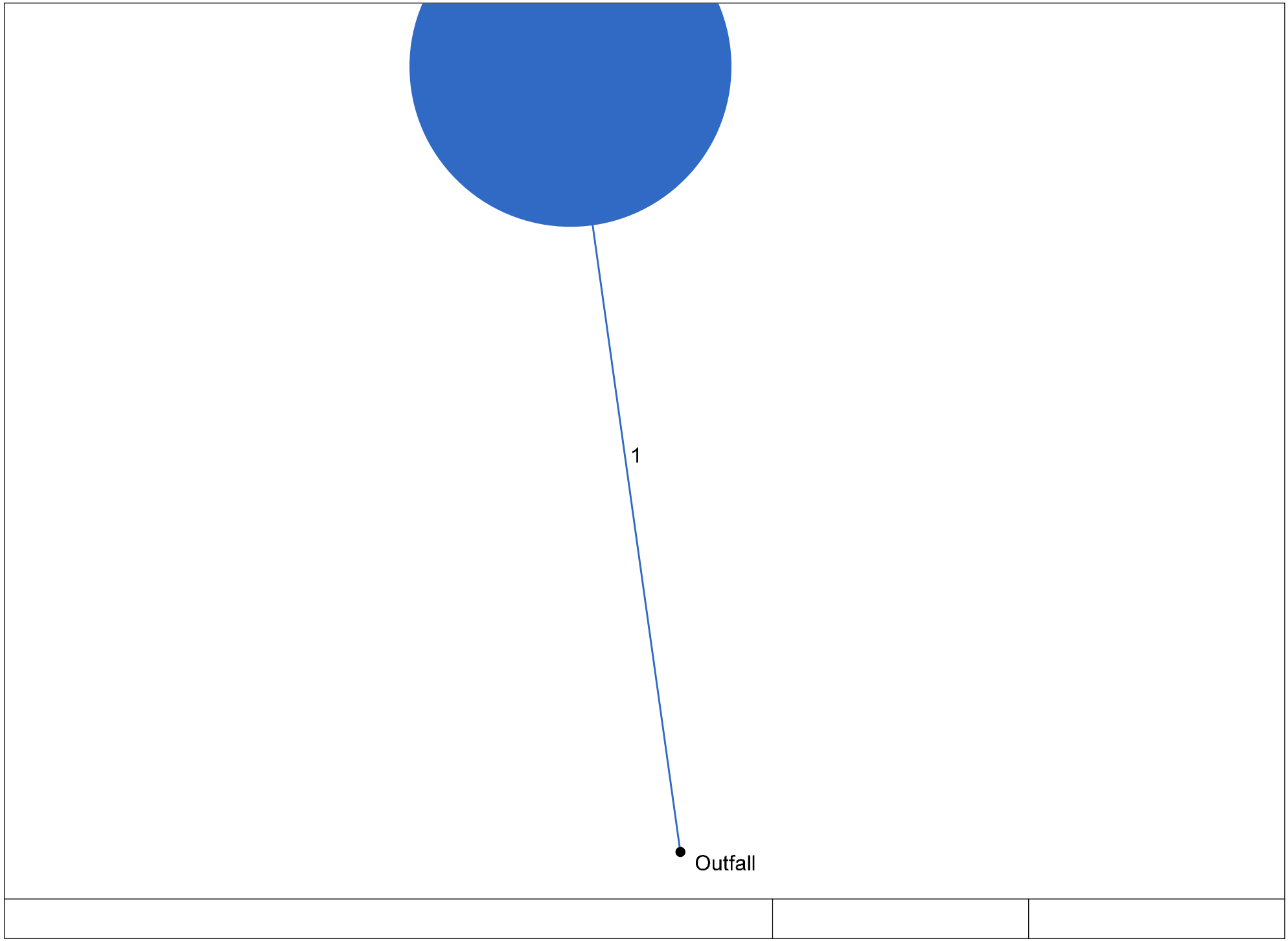


Storm Sewer Profile

Proj. file: 11-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Tabulation

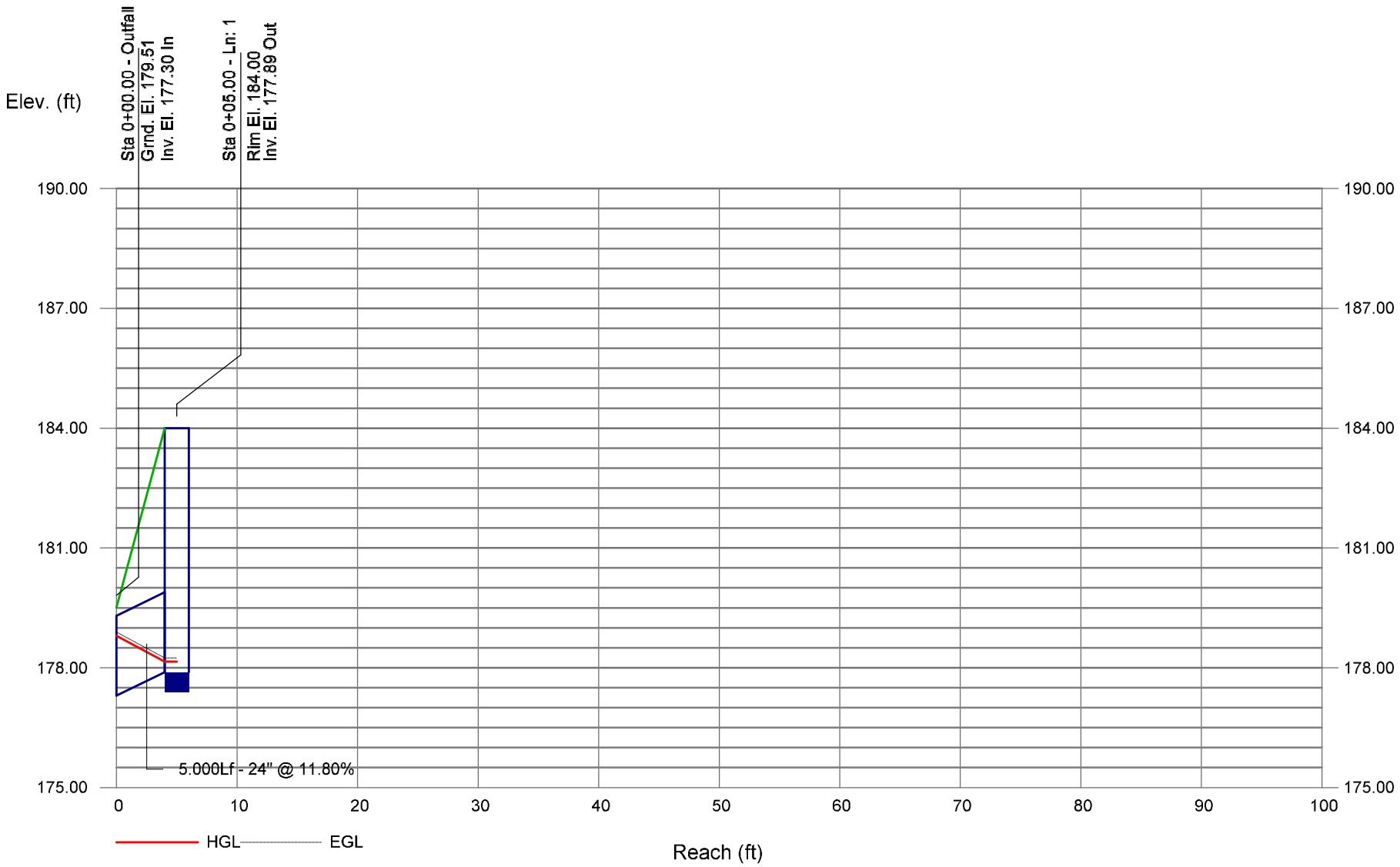
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	5.000	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.59	84.17	1.32	24	11.80	177.30	177.89	178.80	178.15	179.51	184.00	Pipe - (44)

Project File: 11-outflow.stm | Number of lines: 1 | Run Date: 9/25/2025

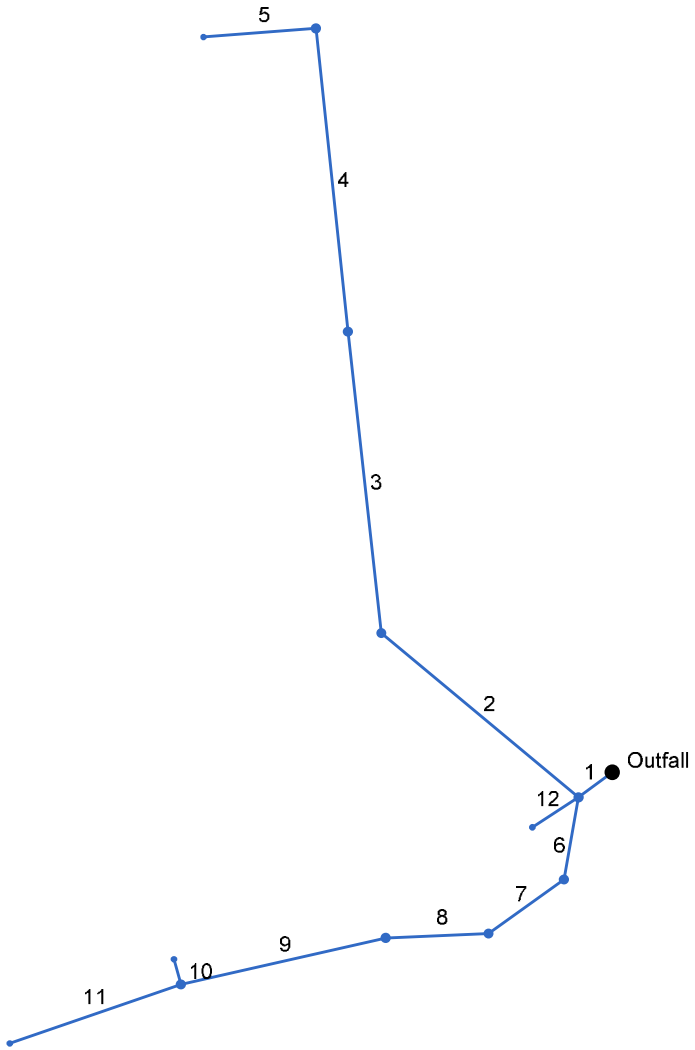
NOTES:Intensity = 127.16 / (Inlet time + 17.80) ^ 0.82; Return period =Yrs. 100 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 11-outflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Project File: 12-15-outflow.stm	Number of lines: 12	Date: 9/25/2025

Storm Sewer Tabulation

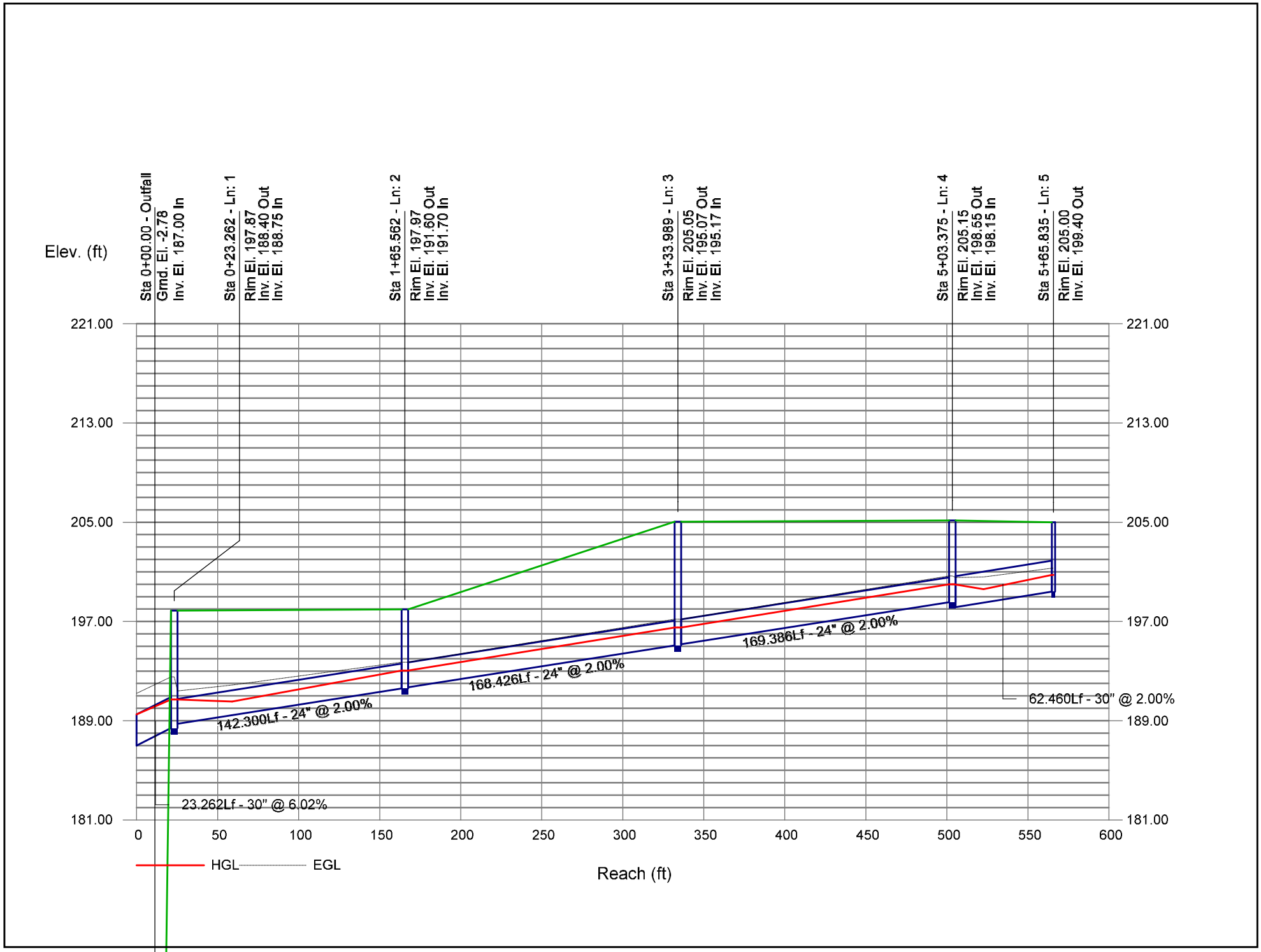
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	23.262	0.00	0.00	0.00	0.00	0.00	0.0	1.9	0.0	51.39	109.0	10.65	30	6.02	187.00	188.40	189.50	190.72	-2.78	197.87	Pipe - (68) (1)
2	1	142.300	0.00	0.00	0.00	0.00	0.00	0.0	1.4	0.0	15.97	34.68	5.85	24	2.00	188.75	191.60	190.72	193.04	197.87	197.97	Proposed Storm-P
3	2	168.426	0.00	0.00	0.00	0.00	0.00	0.0	0.9	0.0	15.97	34.66	6.87	24	2.00	191.70	195.07	193.04	196.51	197.97	205.05	Proposed Storm-P
4	3	169.386	0.00	0.00	0.00	0.00	0.00	0.0	0.3	0.0	15.97	34.61	6.87	24	2.00	195.17	198.55	196.51	199.99	205.05	205.15	Proposed Storm-P
5	4	62.460	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	15.97	62.85	5.02	30	2.00	198.15	199.40	199.99	200.75	205.15	205.00	Pipe - (72)
6	1	46.345	0.00	0.00	0.00	0.00	0.00	0.0	1.7	0.0	22.93	75.05	4.84	36	1.08	188.00	188.50	190.72	190.04	197.87	198.18	Proposed Storm-P
7	6	51.418	0.00	0.00	0.00	0.00	0.00	0.0	1.4	0.0	22.93	63.73	6.56	36	0.78	188.60	189.00	190.04	190.54	198.18	198.53	Proposed Storm-P
8	7	56.982	0.00	0.00	0.00	0.00	0.00	0.0	1.1	0.0	22.93	60.54	6.56	36	0.70	189.10	189.50	190.54	191.04	198.53	198.92	Proposed Storm-P
9	8	116.315	0.00	0.00	0.00	0.00	0.00	0.0	0.5	0.0	22.93	56.05	6.56	36	0.60	189.60	190.30	191.04	191.84	198.92	200.25	Pipe - (81)
10	9	14.501	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	7.86	20.35	5.54	24	0.69	191.40	191.50	192.26	192.50	200.25	194.21	Pipe - (84)
11	9	100.237	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	15.07	81.83	7.36	30	3.39	190.90	194.30	191.84	195.61	200.25	197.86	Pipe - (85)
12	1	30.526	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	12.49	27.63	7.84	18	5.90	189.50	191.30	190.72	192.63	197.87	196.00	Pipe - (68)

Project File: 12-15-outflow.stm | Number of lines: 12 | Run Date: 9/25/2025

NOTES:Intensity = 127.16 / (Inlet time + 17.80) ^ 0.82; Return period =Yrs. 100 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 12-15-outflow.stm



Storm Sewer Profile

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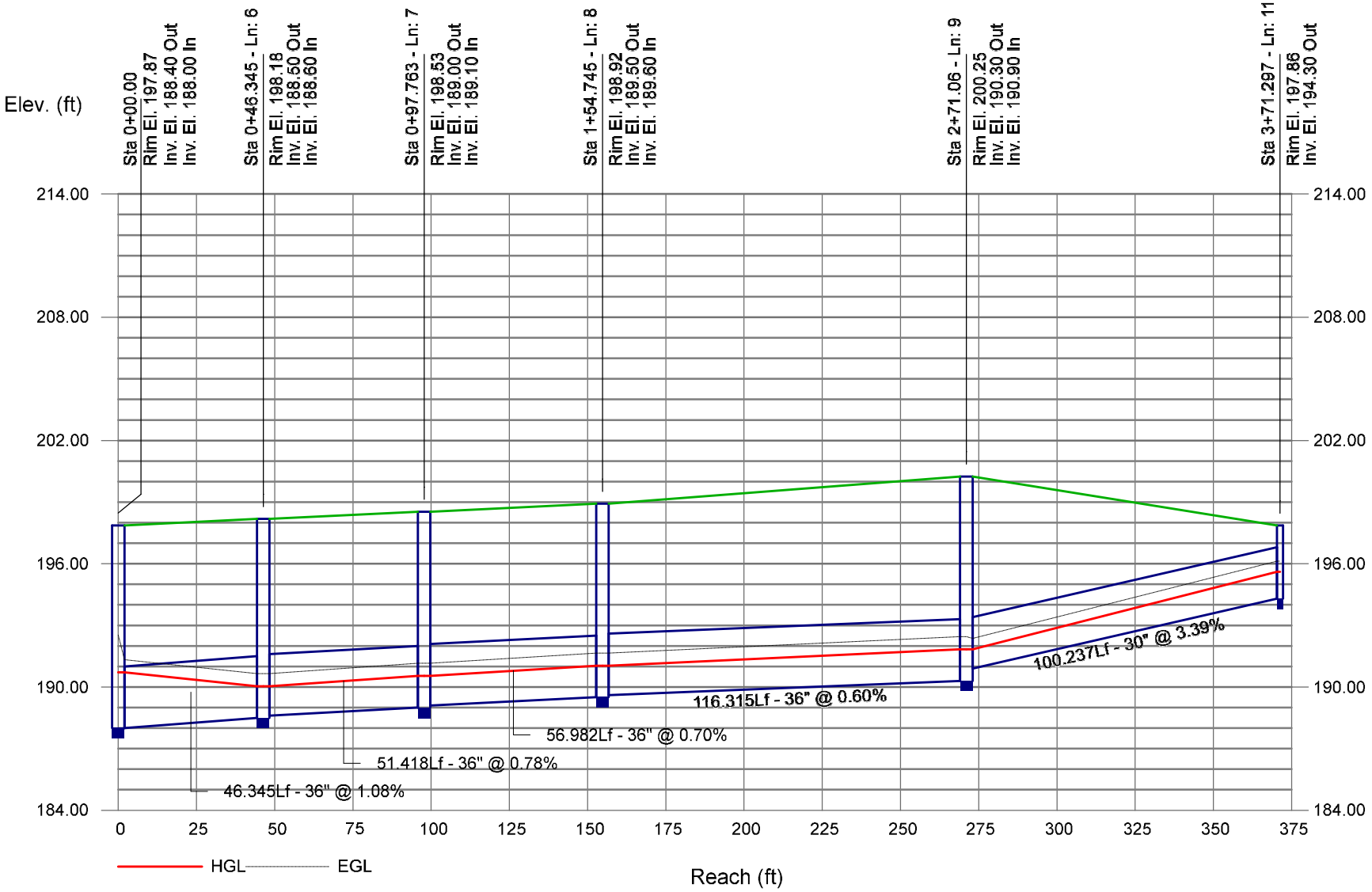
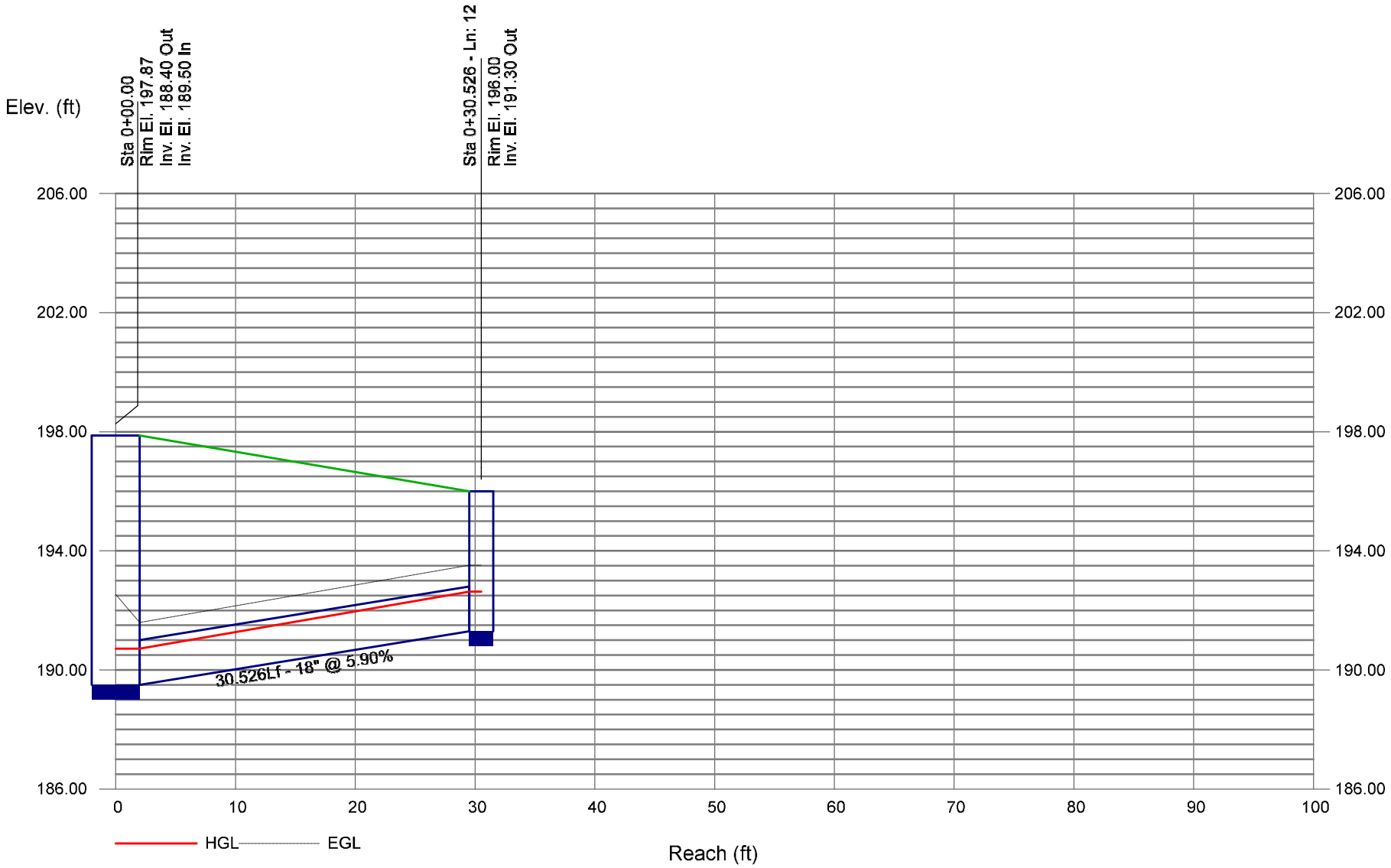
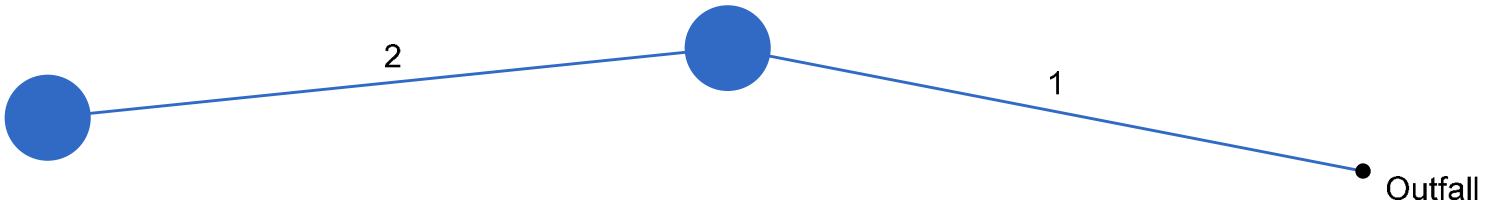


Storm Sewer Profile

Proj. file: 12-15-outflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Tabulation

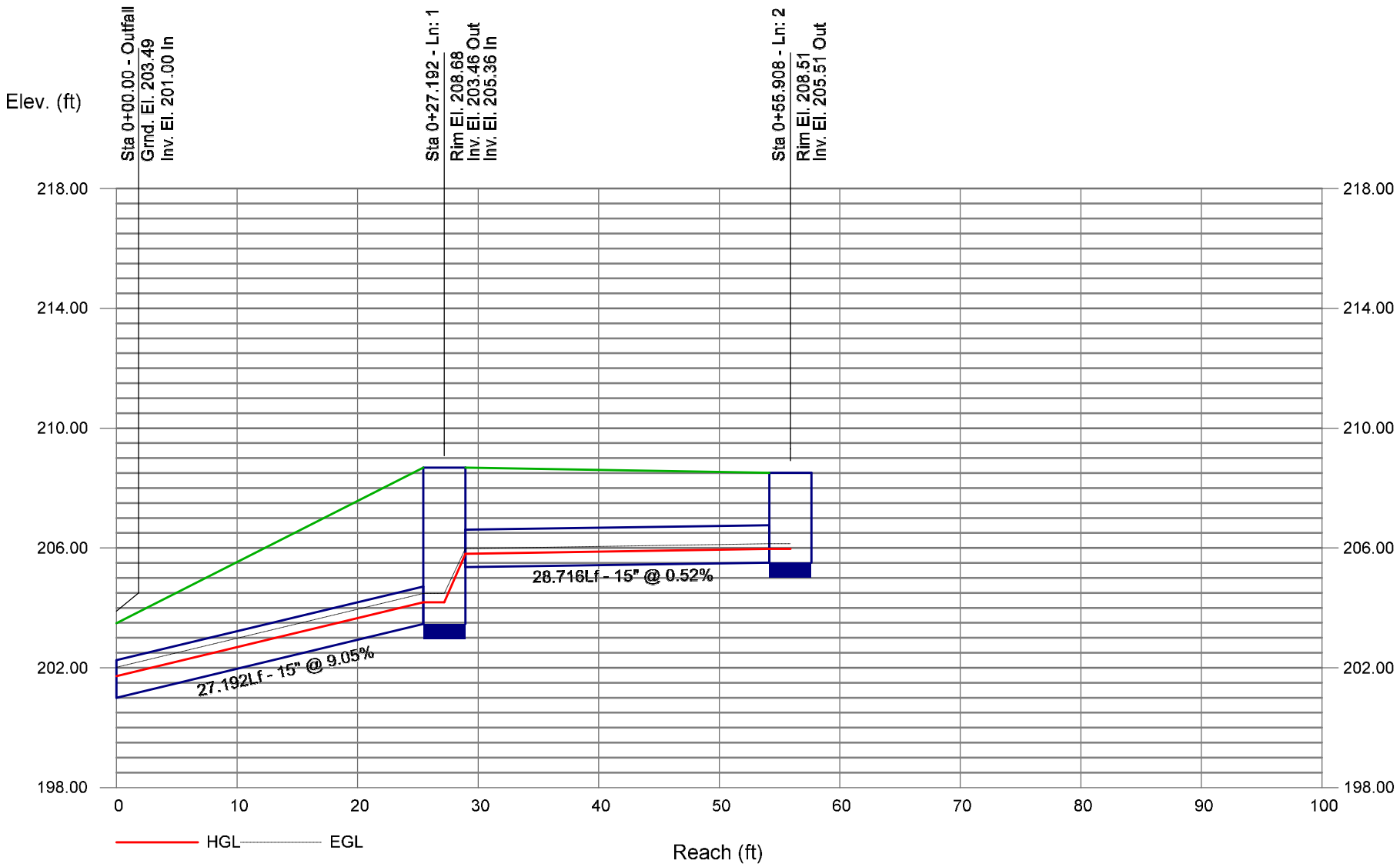
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	27.192	0.28	0.48	0.98	0.27	0.47	10.0	10.4	6.9	3.22	21.04	4.39	15	9.05	201.00	203.46	201.72	204.18	203.49	208.68	Pipe - (124)
2	1	28.716	0.20	0.20	0.98	0.20	0.20	10.0	10.0	6.9	1.36	5.06	3.40	15	0.52	205.36	205.51	205.80	205.97	208.68	208.51	Pipe - (123)

Project File: 12A-inflow.stm | Number of lines: 2 | Run Date: 9/25/2025

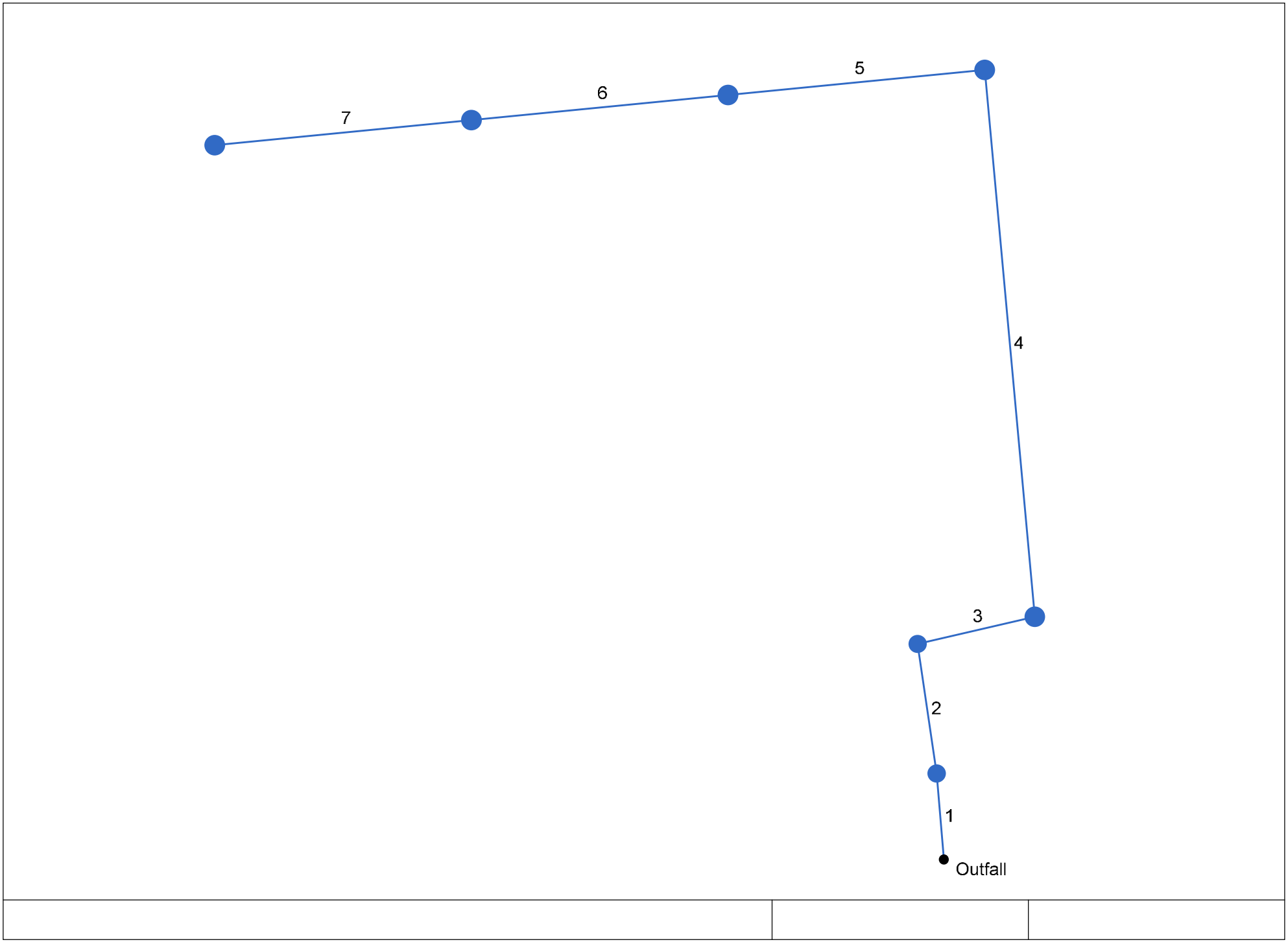
NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 12A-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Tabulation

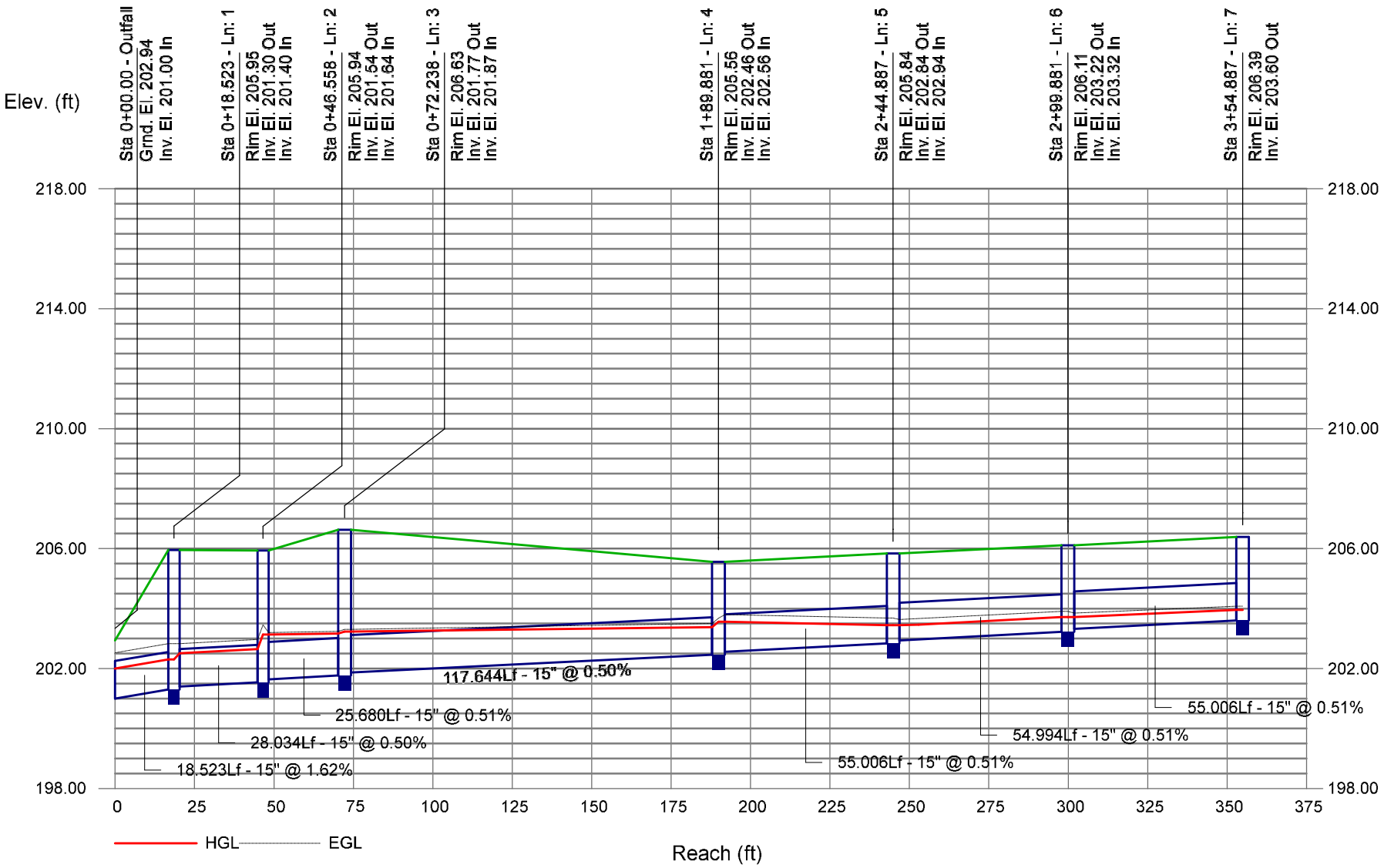
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	18.523	0.15	1.14	0.98	0.15	0.98	10.0	13.7	6.2	6.13	8.90	5.83	15	1.62	201.00	201.30	202.00	202.30	202.94	205.95	Pipe - (71)
2	1	28.034	0.43	0.99	0.98	0.42	0.84	10.0	13.6	6.3	5.23	4.94	4.55	15	0.50	201.40	201.54	202.51	202.65	205.95	205.94	Pipe - (70)
3	2	25.680	0.00	0.56	0.00	0.00	0.41	10.0	13.4	6.3	2.61	4.98	2.13	15	0.51	201.64	201.77	203.13	203.17	205.94	206.63	Proposed Storm-P
4	3	117.644	0.08	0.56	0.74	0.06	0.41	10.0	12.5	6.4	2.67	4.95	2.46	15	0.50	201.87	202.46	203.24	203.38	206.63	205.56	Pipe - (145)
5	4	55.006	0.16	0.48	0.74	0.12	0.36	10.0	12.1	6.5	2.32	4.99	3.06	15	0.51	202.56	202.84	203.56	203.45	205.56	205.84	Pipe - (144)
6	5	54.994	0.16	0.32	0.74	0.12	0.24	10.0	11.4	6.7	1.58	4.99	3.42	15	0.51	202.94	203.22	203.45	203.72	205.84	206.11	Pipe - (143)
7	6	55.006	0.16	0.16	0.74	0.12	0.12	10.0	10.0	6.9	0.82	4.99	2.66	15	0.51	203.32	203.60	203.72	203.96	206.11	206.39	Pipe - (142)

Project File: 12B-inflow.stm | Number of lines: 7 | Run Date: 9/25/2025

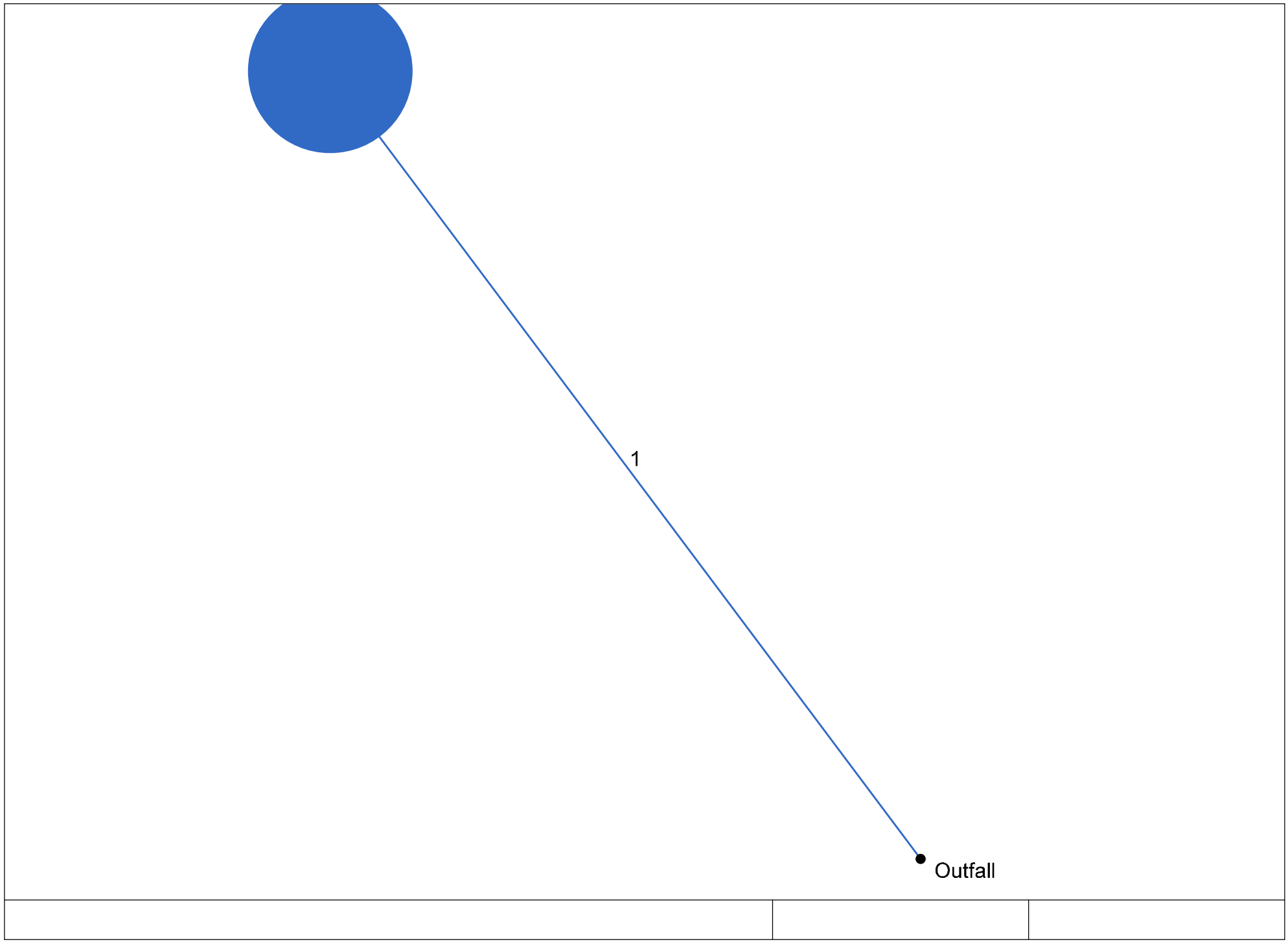
NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 12B-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Tabulation

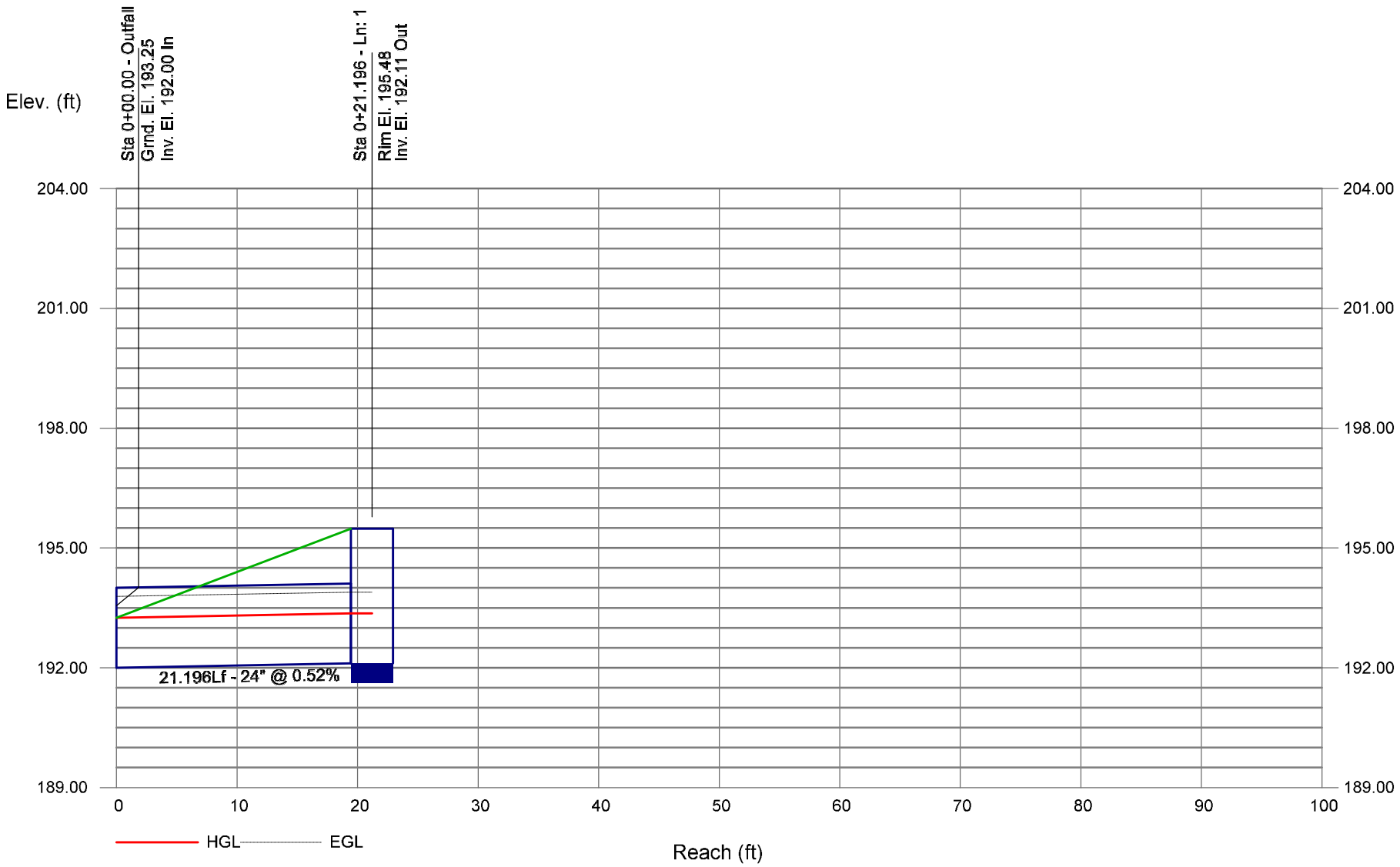
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	21.196	1.78	1.78	0.98	1.74	1.74	10.0	10.0	6.9	12.12	17.65	5.87	24	0.52	192.00	192.11	193.25	193.36	193.25	195.48	Pipe - (69)

Project File: 13-inflow.stm | Number of lines: 1 | Run Date: 9/25/2025

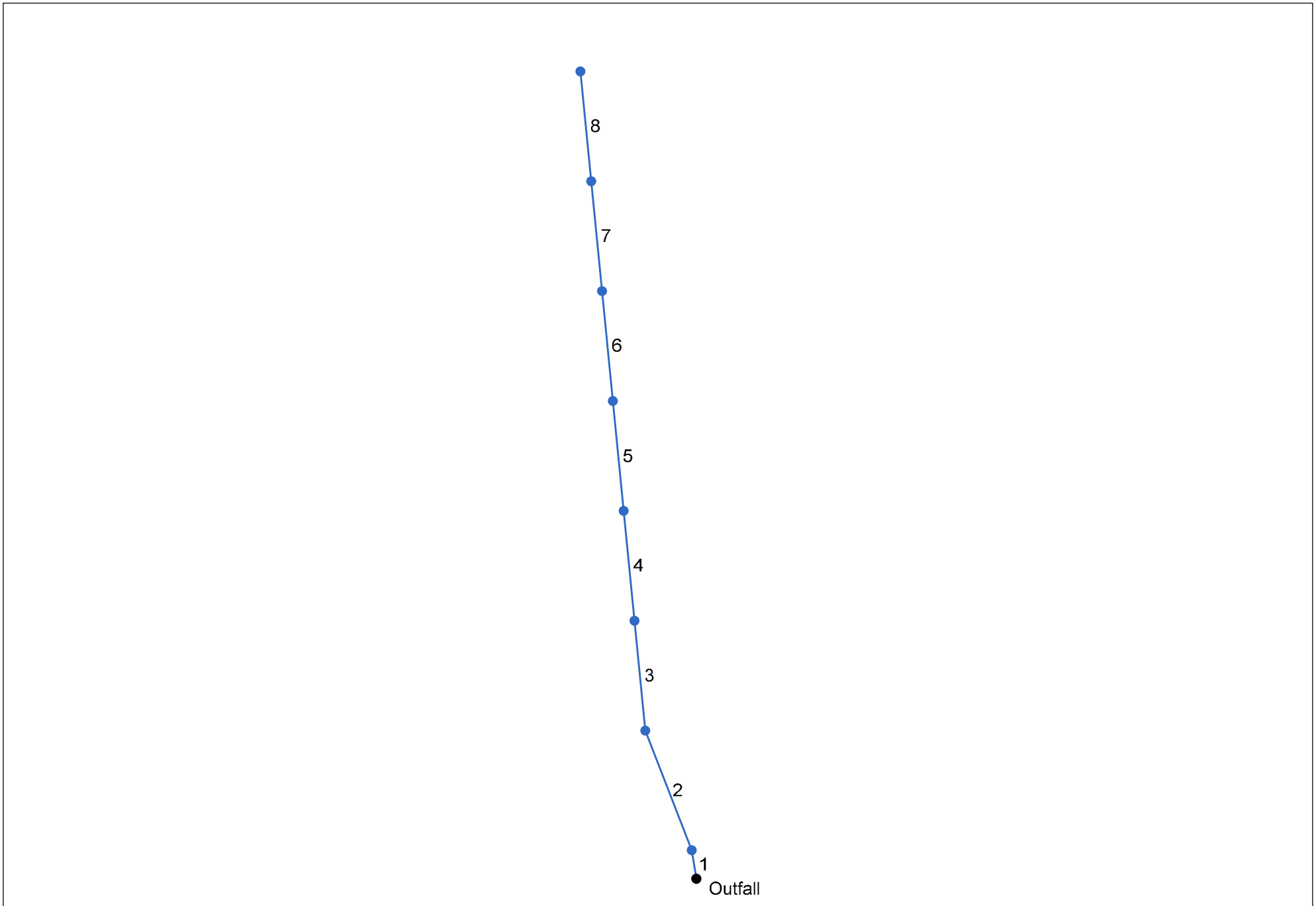
NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 13-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Tabulation

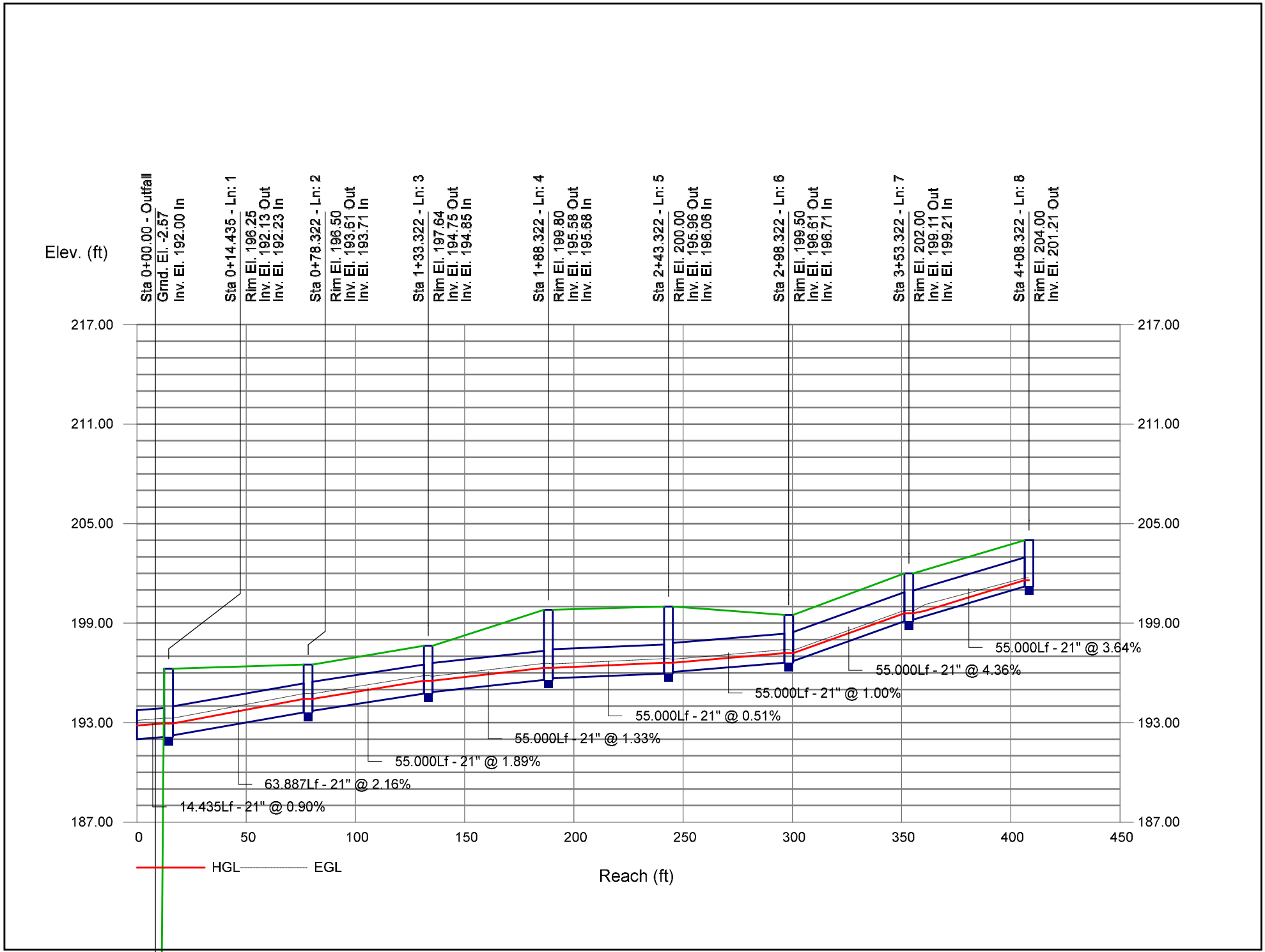
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	14.435	0.00	1.15	0.00	0.00	0.85	10.0	15.9	5.9	5.00	16.29	4.52	21	0.90	192.00	192.13	192.82	192.95	-2.57	196.25	Pipe - (83)
2	1	63.887	0.13	1.15	0.74	0.10	0.85	10.0	15.5	6.0	5.06	25.22	4.98	21	2.16	192.23	193.61	192.95	194.43	196.25	196.50	Pipe - (82)
3	2	55.000	0.16	1.02	0.74	0.12	0.75	10.0	15.0	6.0	4.54	23.60	4.61	21	1.89	193.71	194.75	194.43	195.53	196.50	197.64	Pipe - (78)
4	3	55.000	0.16	0.86	0.74	0.12	0.64	10.0	14.5	6.1	3.88	19.77	4.34	21	1.33	194.85	195.58	195.53	196.30	197.64	199.80	Pipe - (77)
5	4	55.000	0.16	0.70	0.74	0.12	0.52	10.0	13.9	6.2	3.21	12.24	4.09	21	0.51	195.68	195.96	196.30	196.61	199.80	200.00	Pipe - (76)
6	5	55.000	0.16	0.54	0.74	0.12	0.40	10.0	13.1	6.3	2.53	17.16	3.79	21	1.00	196.06	196.61	196.61	197.19	200.00	199.50	Pipe - (75)
7	6	55.000	0.16	0.38	0.74	0.12	0.28	10.0	11.9	6.6	1.84	35.85	3.42	21	4.36	196.71	199.11	197.19	199.60	199.50	202.00	Pipe - (74)
8	7	55.000	0.22	0.22	0.74	0.16	0.16	10.0	10.0	6.9	1.13	32.73	2.89	21	3.64	199.21	201.21	199.60	201.59	202.00	204.00	Pipe - (73)

Project File: 14-inflow.stm | Number of lines: 8 | Run Date: 9/25/2025

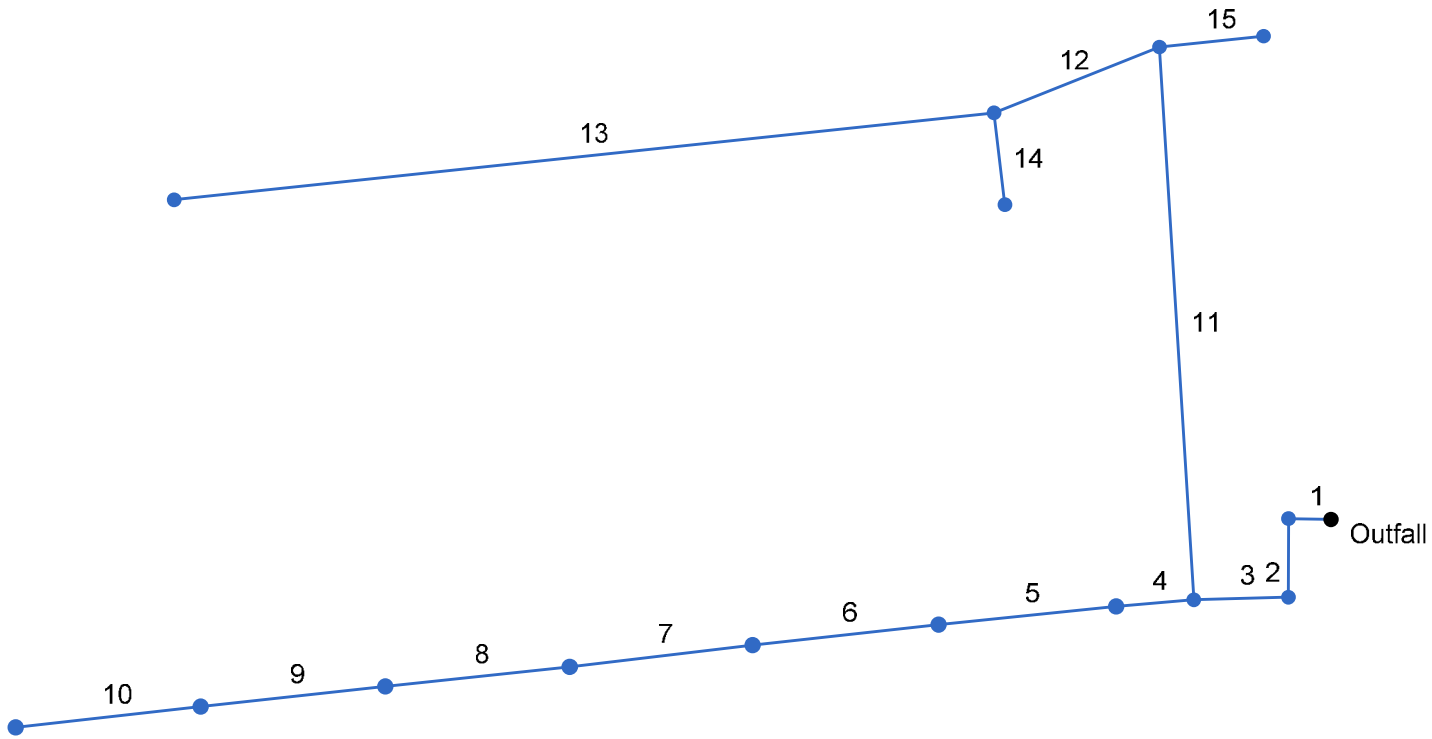
NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 14-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Tabulation

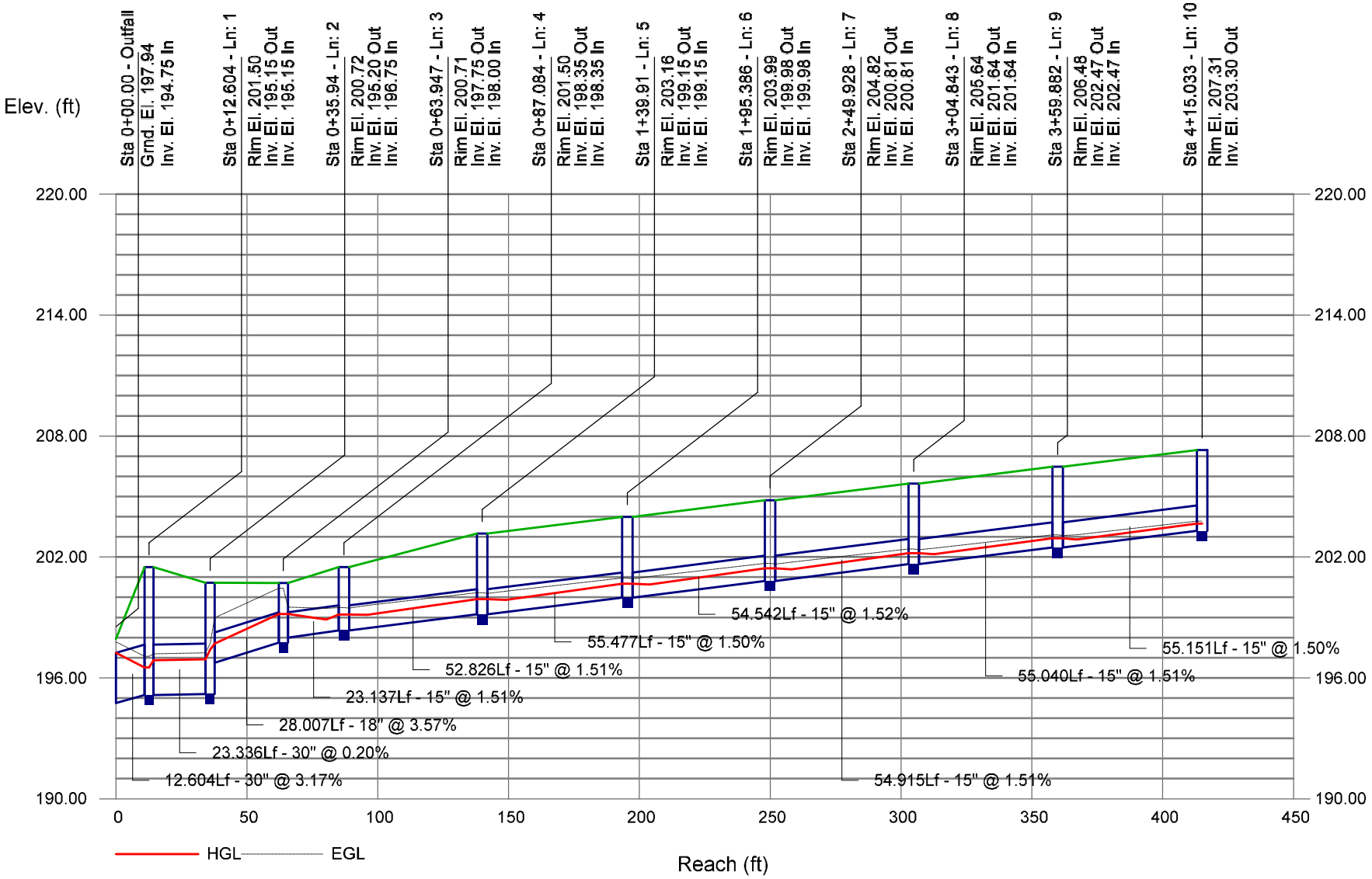
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	12.604	0.12	3.01	0.00	0.00	2.83	10.0	16.8	5.8	16.31	79.15	4.64	30	3.17	194.75	195.15	197.24	196.51	197.94	201.50	Pipe - (90) (1)
2	1	23.336	0.12	2.89	0.98	0.12	2.83	10.0	16.7	5.8	16.35	19.88	4.52	30	0.20	195.15	195.20	196.88	196.92	201.50	200.72	Pipe - (90)
3	2	28.007	0.19	2.77	0.98	0.19	2.71	10.0	16.6	5.8	15.69	21.50	11.17	18	3.57	196.75	197.75	197.70	199.17	200.72	200.71	Pipe - (89)
4	3	23.137	0.06	0.63	0.98	0.06	0.62	10.0	13.8	6.2	3.84	8.60	3.95	15	1.51	198.00	198.35	199.17	199.14	200.71	201.50	Pipe - (99)
5	4	52.826	0.09	0.57	0.98	0.09	0.56	10.0	13.5	6.3	3.50	8.61	4.40	15	1.51	198.35	199.15	199.14	199.90	201.50	203.16	Pipe - (98)
6	5	55.477	0.09	0.48	0.98	0.09	0.47	10.0	13.2	6.3	2.98	8.56	4.05	15	1.50	199.15	199.98	199.90	200.67	203.16	203.99	Pipe - (97)
7	6	54.542	0.09	0.39	0.98	0.09	0.38	10.0	12.7	6.4	2.45	8.63	3.74	15	1.52	199.98	200.81	200.67	201.44	203.99	204.82	Pipe - (96)
8	7	54.915	0.09	0.30	0.98	0.09	0.29	10.0	12.2	6.5	1.91	8.60	3.40	15	1.51	200.81	201.64	201.44	202.19	204.82	205.64	Pipe - (95)
9	8	55.040	0.09	0.21	0.98	0.09	0.21	10.0	11.4	6.7	1.37	8.59	2.98	15	1.51	201.64	202.47	202.19	202.93	205.64	206.48	Pipe - (94)
10	9	55.151	0.12	0.12	0.98	0.12	0.12	10.0	10.0	6.9	0.82	8.58	2.42	15	1.50	202.47	203.30	202.93	203.65	206.48	207.31	Pipe - (93)
11	3	164.647	0.26	1.95	0.98	0.25	1.91	10.0	16.2	5.8	11.15	13.96	6.70	18	1.51	197.75	200.23	199.17	201.51	200.71	204.63	Pipe - (88)
12	11	52.769	0.54	1.25	0.98	0.53	1.23	10.0	16.1	5.9	7.17	8.45	6.53	15	1.46	200.48	201.25	201.51	202.32	204.63	204.25	Pipe - (87)
13	12	244.226	0.12	0.12	0.98	0.12	0.12	10.0	10.0	6.9	0.82	8.56	1.80	15	1.50	201.25	204.91	202.32	205.26	204.25	207.92	Pipe - (86)
14	12	27.495	0.59	0.59	0.98	0.58	0.58	10.0	10.0	6.9	4.02	6.40	4.18	15	0.84	201.25	201.48	202.32	202.29	204.25	204.24	Pipe - (91)
15	11	31.054	0.44	0.44	0.98	0.43	0.43	10.0	10.0	6.9	2.99	8.61	3.52	15	1.51	200.48	200.95	201.51	201.65	204.63	204.41	Pipe - (92)

Project File: 15-inflow.stm | Number of lines: 15 | Run Date: 9/25/2025

NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 15-inflow.stm



Storm Sewer Profile

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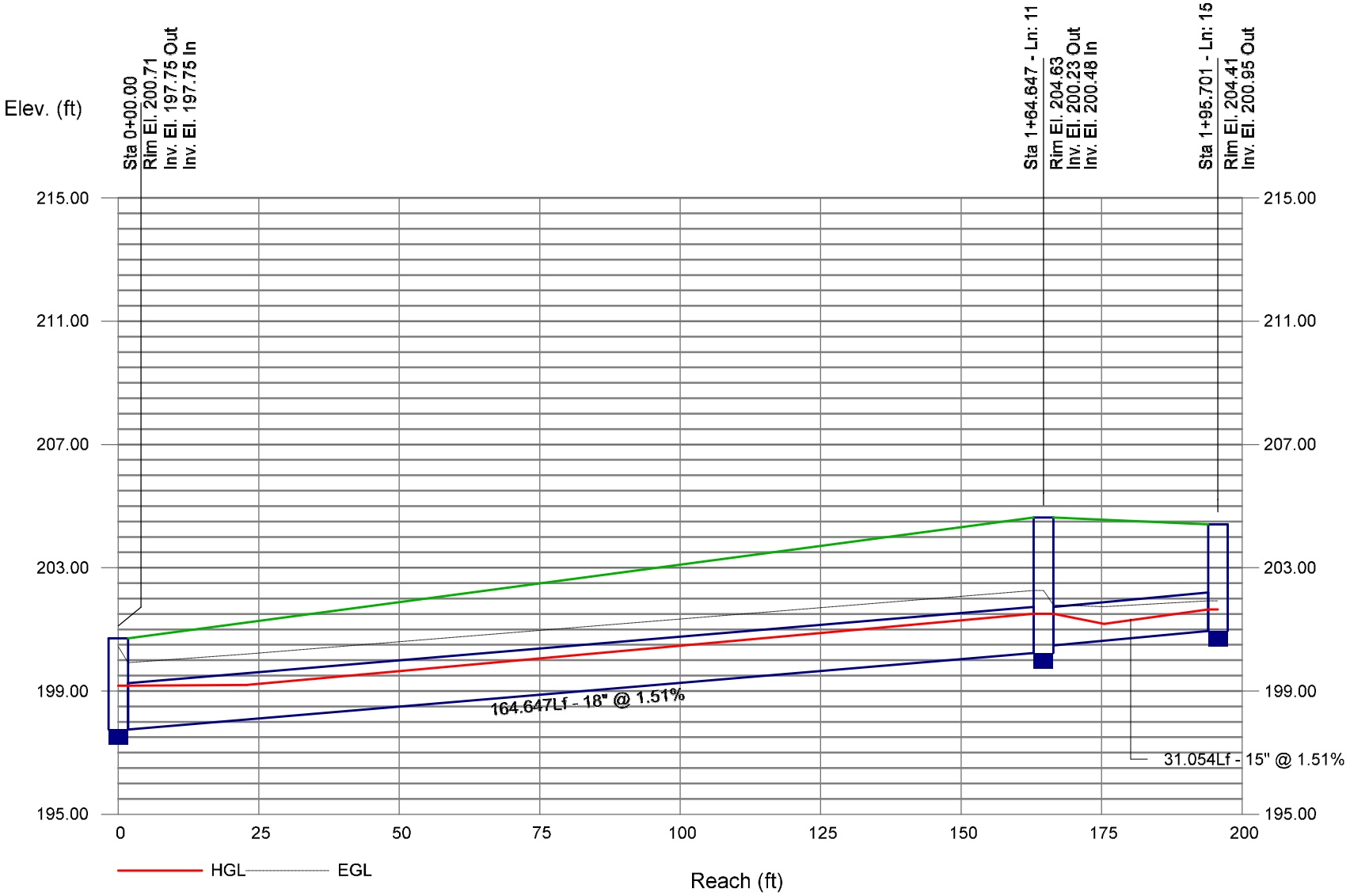

Storm Sewer Profile

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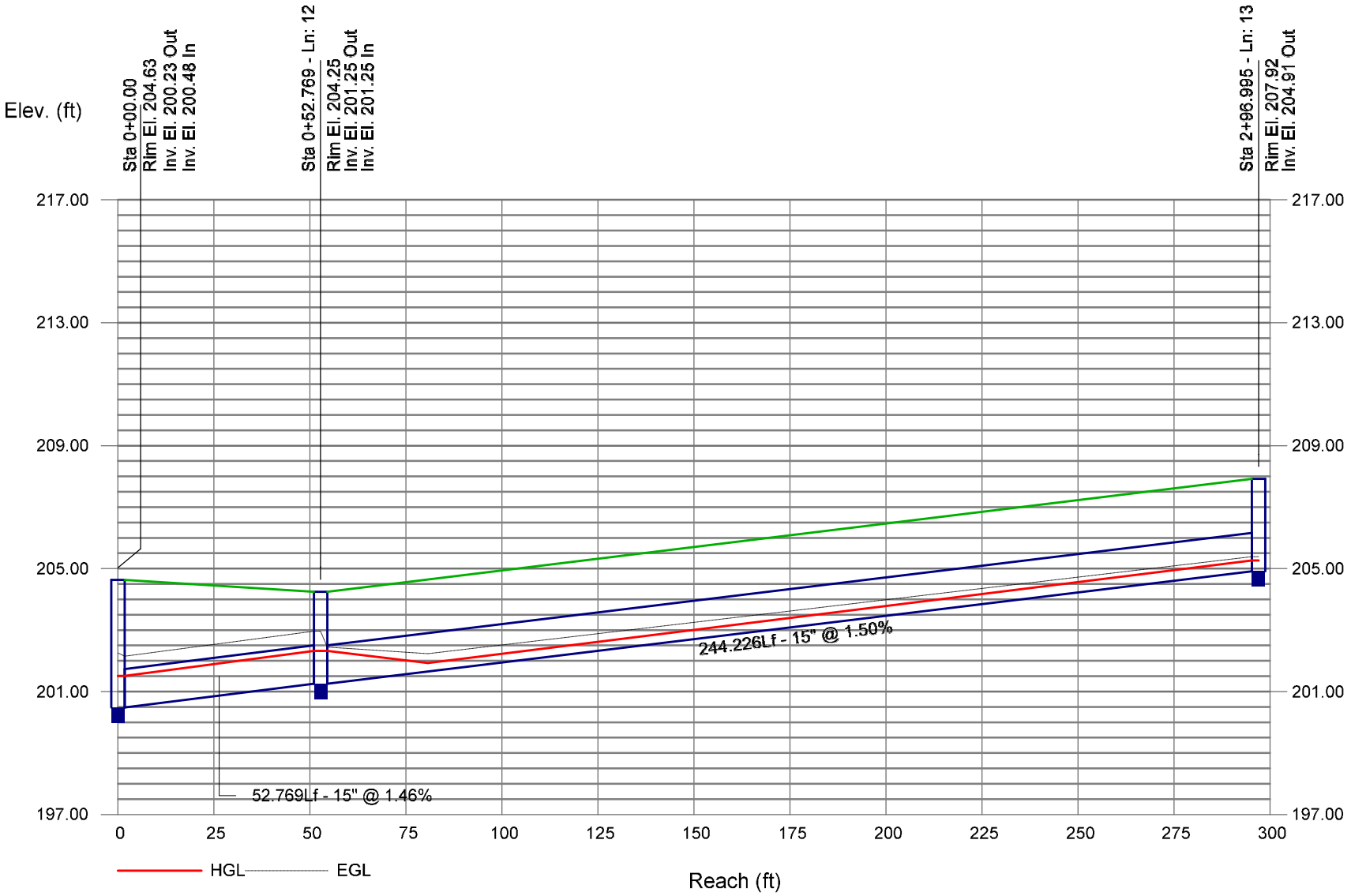
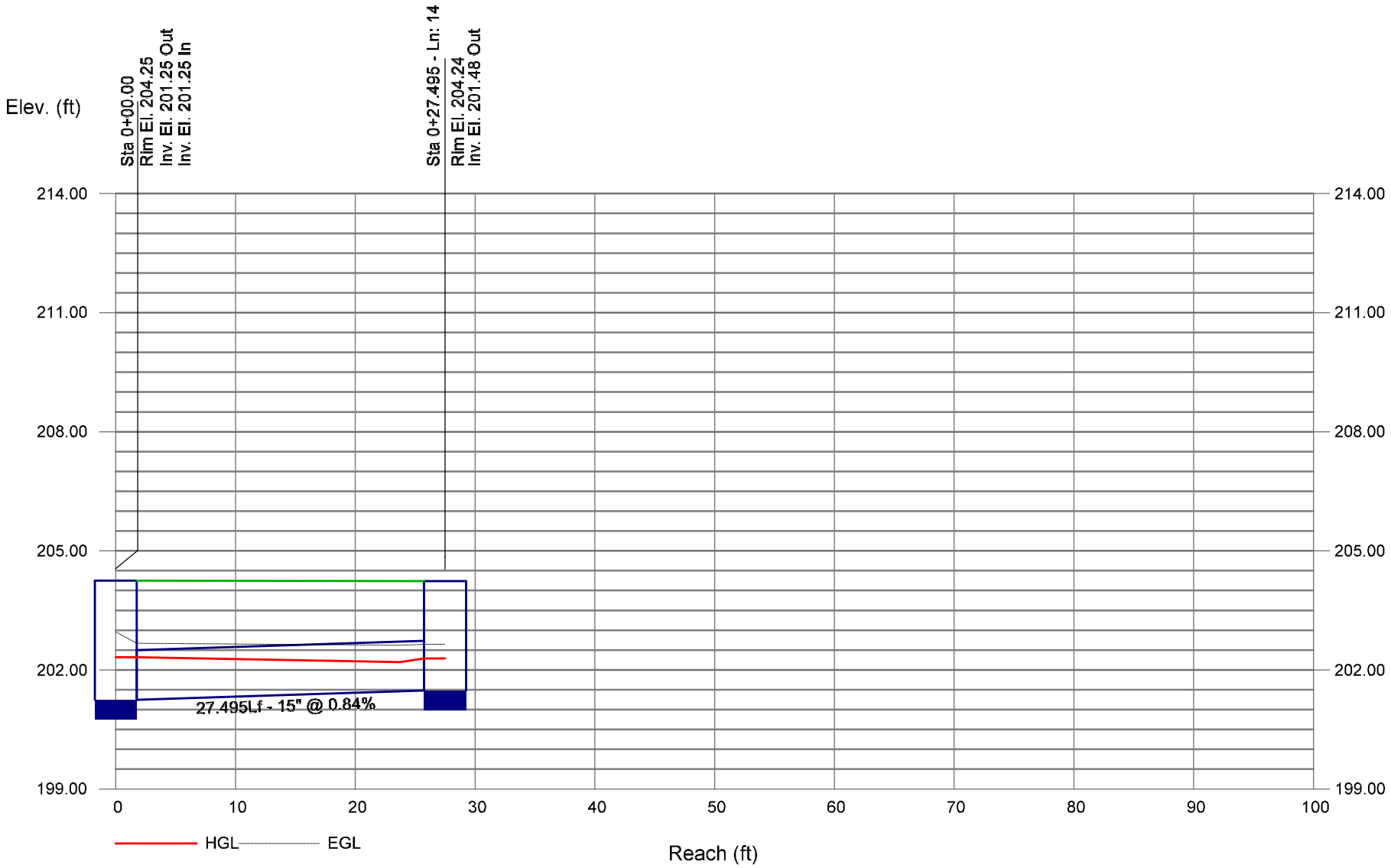
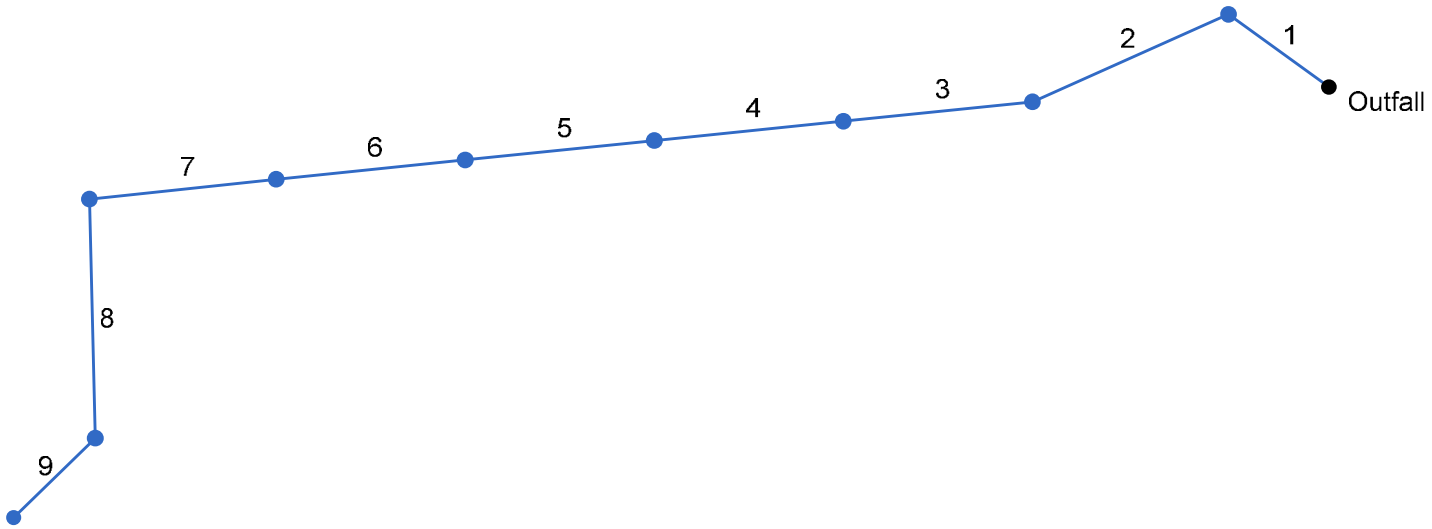


Storm Sewer Profile

Proj. file: 15-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Tabulation

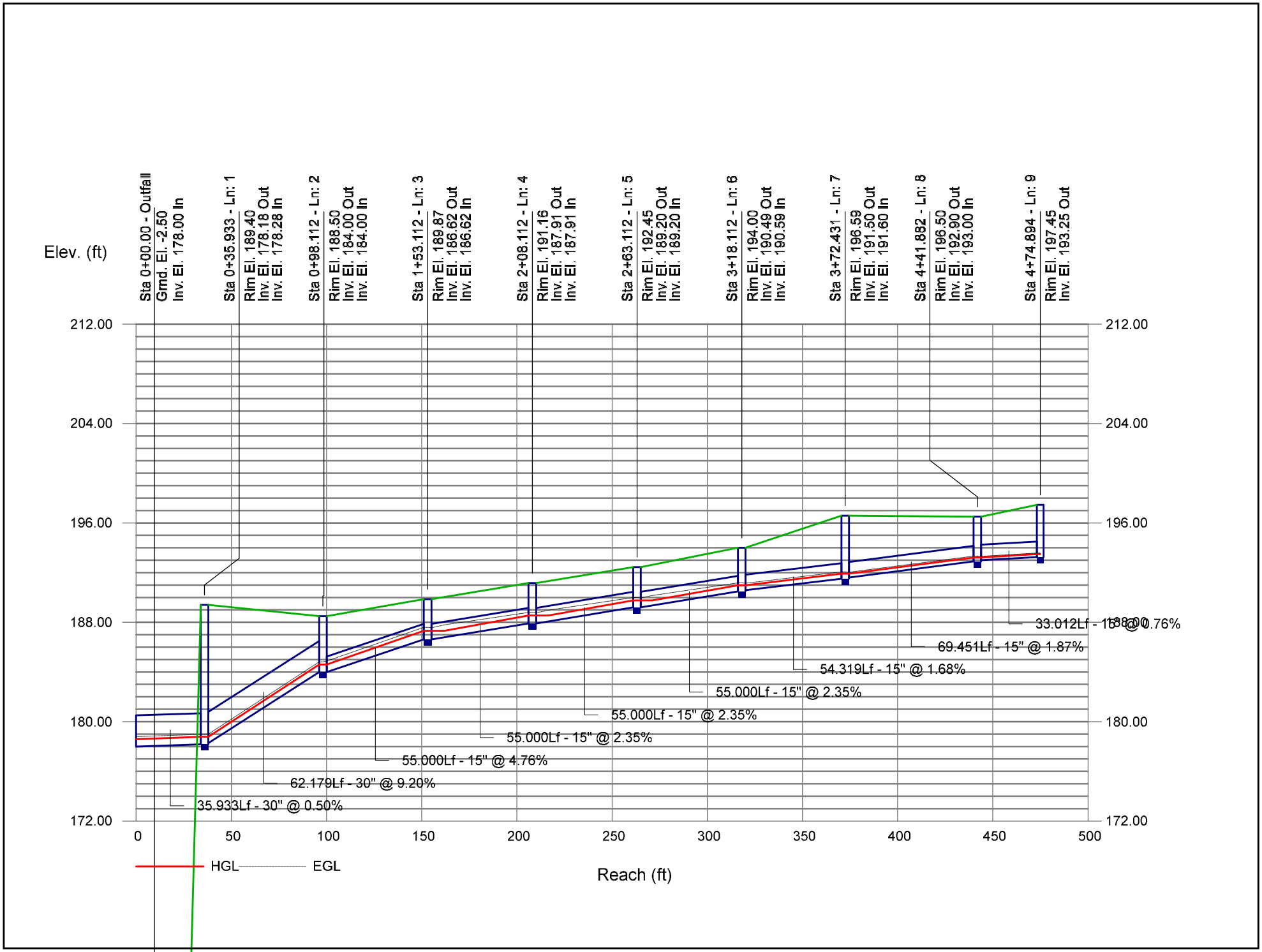
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	35.933	0.00	0.77	0.00	0.00	0.58	0.0	17.8	5.6	3.28	31.44	3.70	30	0.50	178.00	178.18	178.59	178.77	-2.50	189.40	Pipe - (51)
2	1	62.179	0.11	0.77	0.74	0.08	0.58	10.0	16.4	5.8	3.39	134.8	4.33	30	9.20	178.28	184.00	178.77	184.60	189.40	188.50	Pipe - (50)
3	2	55.000	0.11	0.66	0.74	0.08	0.50	10.0	16.1	5.9	2.95	15.27	4.63	15	4.76	184.00	186.62	184.60	187.31	188.50	189.87	Pipe - (49)
4	3	55.000	0.11	0.55	0.74	0.08	0.42	10.0	15.7	5.9	2.49	10.71	3.80	15	2.35	186.62	187.91	187.31	188.54	189.87	191.16	Pipe - (48)
5	4	55.000	0.11	0.44	0.74	0.08	0.34	10.0	15.2	6.0	2.04	10.71	3.52	15	2.35	187.91	189.20	188.54	189.77	191.16	192.45	Pipe - (47)
6	5	55.000	0.11	0.33	0.74	0.08	0.26	10.0	14.6	6.1	1.58	10.71	3.18	15	2.35	189.20	190.49	189.77	190.99	192.45	194.00	Pipe - (46)
7	6	54.319	0.10	0.22	0.74	0.07	0.18	10.0	13.6	6.2	1.11	9.05	3.21	15	1.68	190.59	191.50	190.99	191.91	194.00	196.59	Proposed Storm-P
8	7	69.451	0.06	0.12	0.74	0.04	0.10	10.0	11.7	6.6	0.68	9.57	2.77	15	1.87	191.60	192.90	191.91	193.22	196.59	196.50	Pipe - (64)
9	8	33.012	0.06	0.06	0.98	0.06	0.06	10.0	10.0	6.9	0.41	6.09	2.56	15	0.76	193.00	193.25	193.22	193.50	196.50	197.45	Pipe - (63)

Project File: 16A-inflow.stm | Number of lines: 9 | Run Date: 9/25/2025

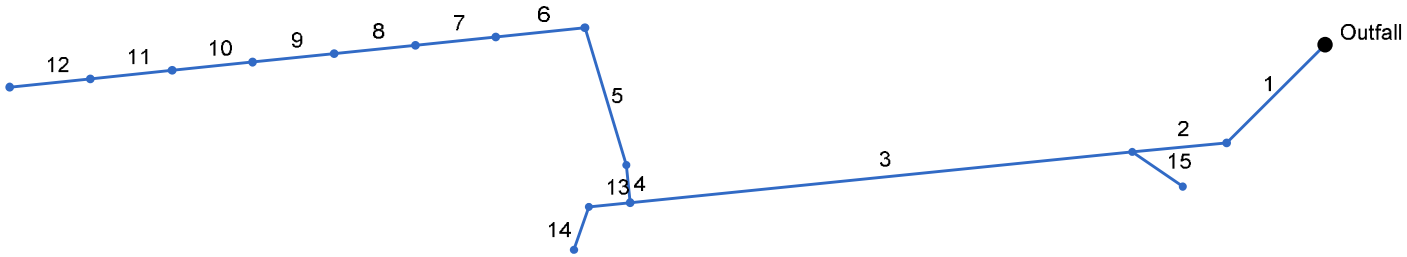
NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 16A-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Tabulation

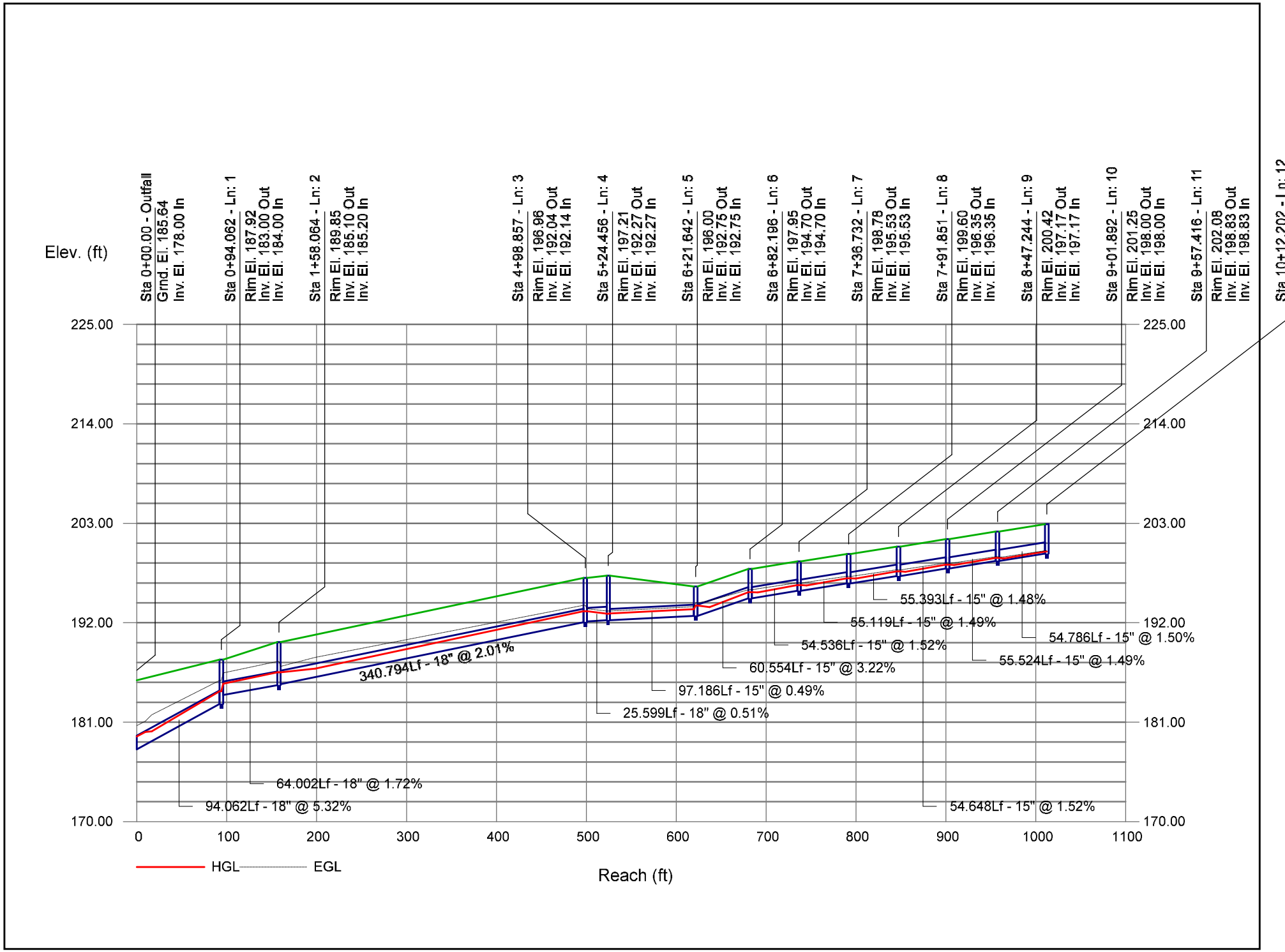
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	94.062	0.00	3.00	0.00	0.00	2.76	10.0	18.8	5.5	15.11	26.23	8.77	18	5.32	178.00	183.00	179.41	184.41	185.64	187.92	Proposed Storm-P
2	1	64.002	0.54	3.00	0.98	0.53	2.76	10.0	18.7	5.5	15.15	14.91	9.20	18	1.72	184.00	185.10	185.25	186.51	187.92	189.85	Pipe - (62)
3	2	340.794	0.00	2.03	0.98	0.00	1.80	10.0	17.8	5.6	10.13	16.12	6.38	18	2.01	185.20	192.04	186.51	193.26	189.85	196.96	Pipe - (61)
4	3	25.599	0.08	0.85	0.98	0.08	0.65	10.0	17.7	5.6	3.65	8.11	3.43	18	0.51	192.14	192.27	193.26	193.00	196.96	197.21	Pipe - (60)
5	4	97.186	0.10	0.77	0.74	0.07	0.57	10.0	17.1	5.7	3.25	4.92	4.29	15	0.49	192.27	192.75	193.01	193.49	197.21	196.00	Pipe - (59)
6	5	60.554	0.10	0.67	0.74	0.07	0.50	10.0	16.7	5.8	2.86	12.55	3.30	15	3.22	192.75	194.70	193.92	195.38	196.00	197.95	Pipe - (58)
7	6	54.536	0.10	0.57	0.74	0.07	0.42	10.0	16.3	5.8	2.46	8.63	3.80	15	1.52	194.70	195.53	195.38	196.16	197.95	198.78	Pipe - (57)
8	7	55.119	0.10	0.47	0.74	0.07	0.35	10.0	15.9	5.9	2.05	8.53	3.54	15	1.49	195.53	196.35	196.16	196.92	198.78	199.60	Pipe - (56)
9	8	55.393	0.10	0.37	0.74	0.07	0.27	10.0	15.2	6.0	1.64	8.51	3.26	15	1.48	196.35	197.17	196.92	197.68	199.60	200.42	Pipe - (55)
10	9	54.648	0.10	0.27	0.74	0.07	0.20	10.0	14.4	6.1	1.22	8.62	2.91	15	1.52	197.17	198.00	197.68	198.44	200.42	201.25	Pipe - (54)
11	10	55.524	0.10	0.17	0.74	0.07	0.13	10.0	13.1	6.3	0.80	8.55	2.47	15	1.49	198.00	198.83	198.44	199.18	201.25	202.08	Pipe - (53)
12	11	54.786	0.07	0.07	0.74	0.05	0.05	10.0	10.0	6.9	0.36	8.56	1.78	15	1.50	198.83	199.65	199.18	199.88	202.08	202.90	Pipe - (52)
13	3	28.063	0.62	1.18	0.98	0.61	1.16	10.0	10.2	6.9	7.99	29.83	5.70	18	6.88	192.14	194.07	193.26	195.16	196.96	197.56	Pipe - (66)
14	13	30.865	0.56	0.56	0.98	0.55	0.55	10.0	10.0	6.9	3.81	8.81	4.01	15	1.59	194.07	194.56	195.16	195.35	197.56	197.84	Pipe - (65)
15	2	41.433	0.43	0.43	0.98	0.42	0.42	10.0	10.0	6.9	2.93	17.23	2.89	18	2.29	185.20	186.15	186.51	186.80	189.85	189.25	Pipe - (67)

Project File: 16B-inflow.stm | Number of lines: 15 | Run Date: 9/25/2025

NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

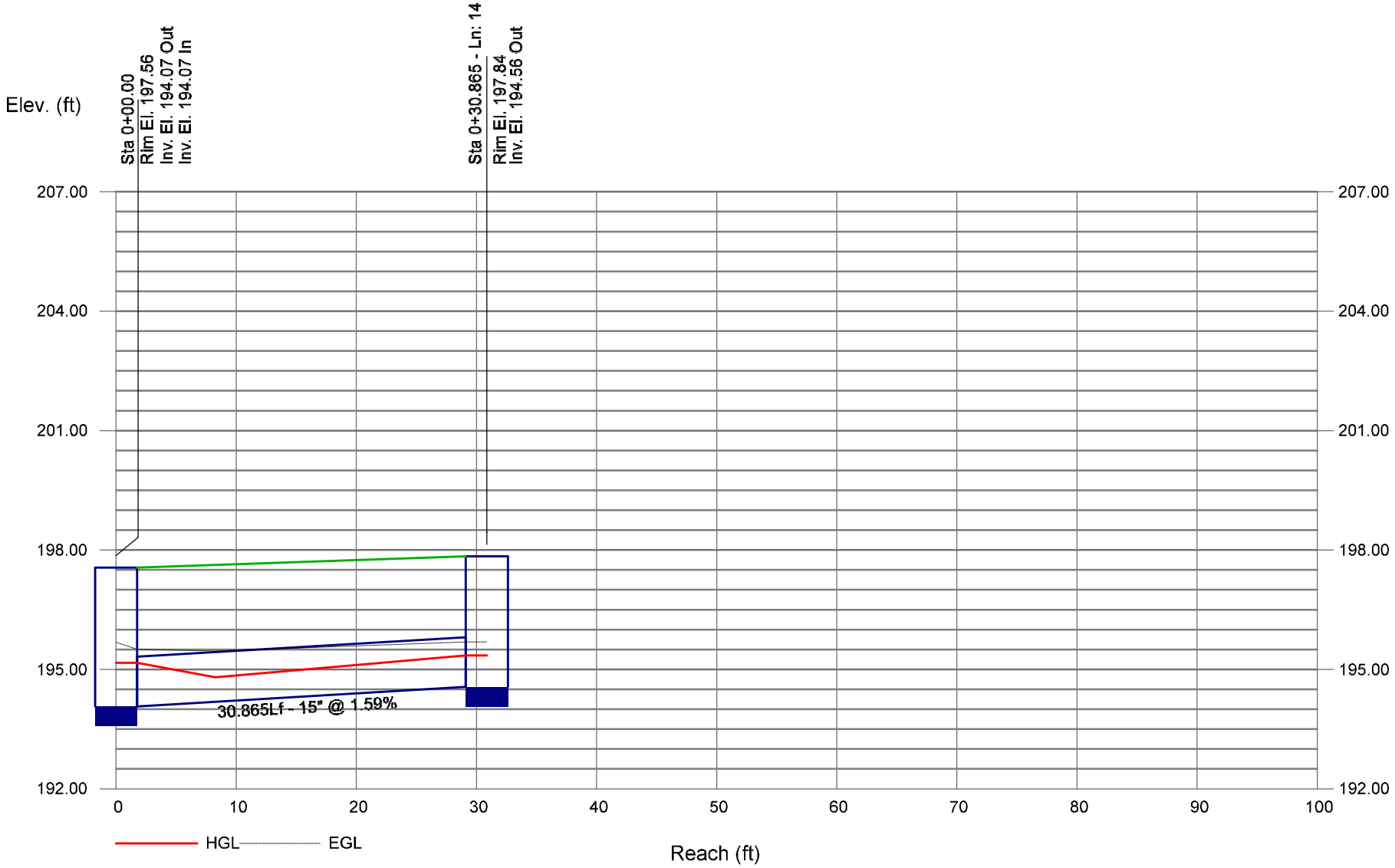
Storm Sewer Profile

Proj. file: 16B-inflow.stm



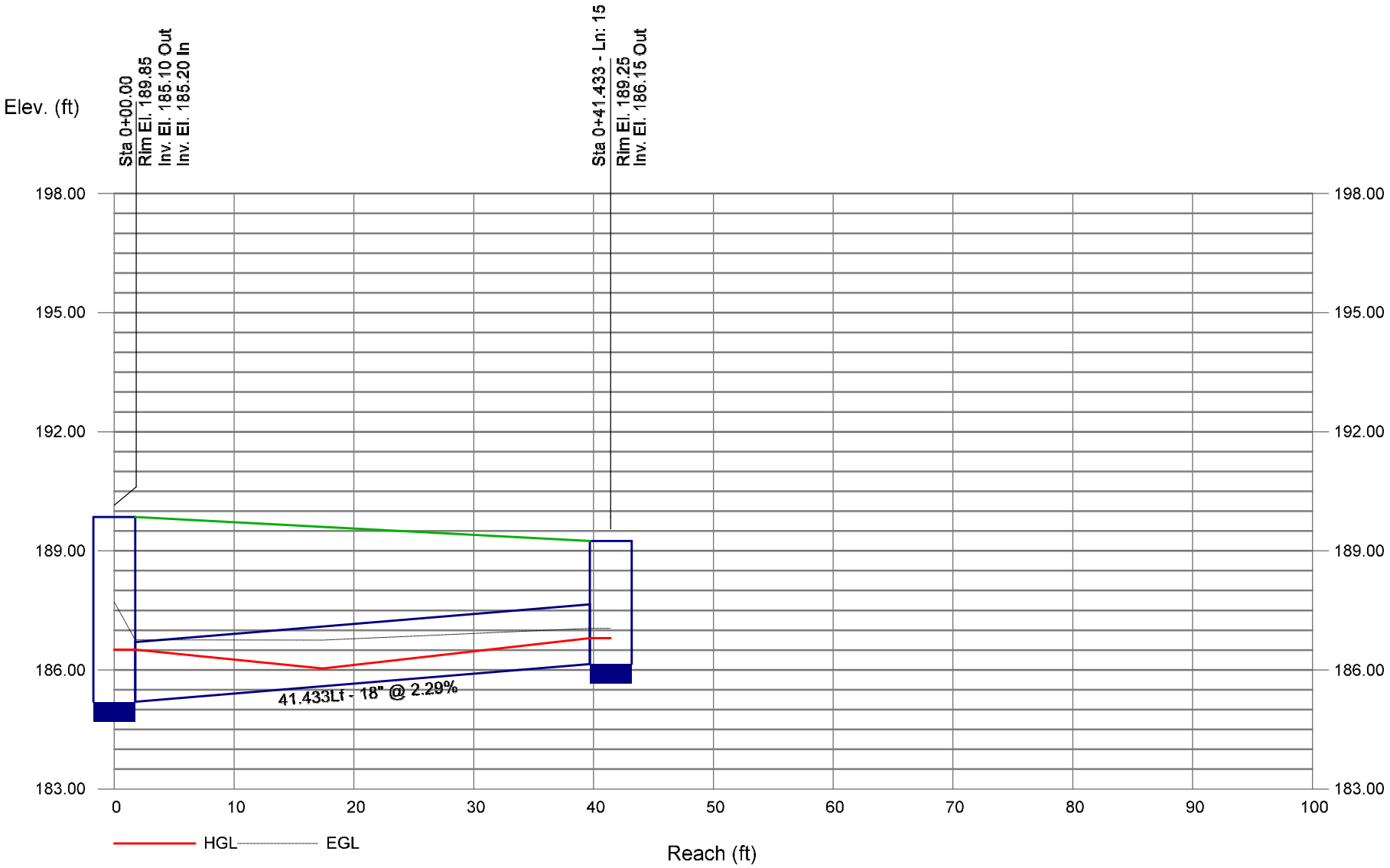
Storm Sewer Profile

Proj. file: 16B-inflow.stm

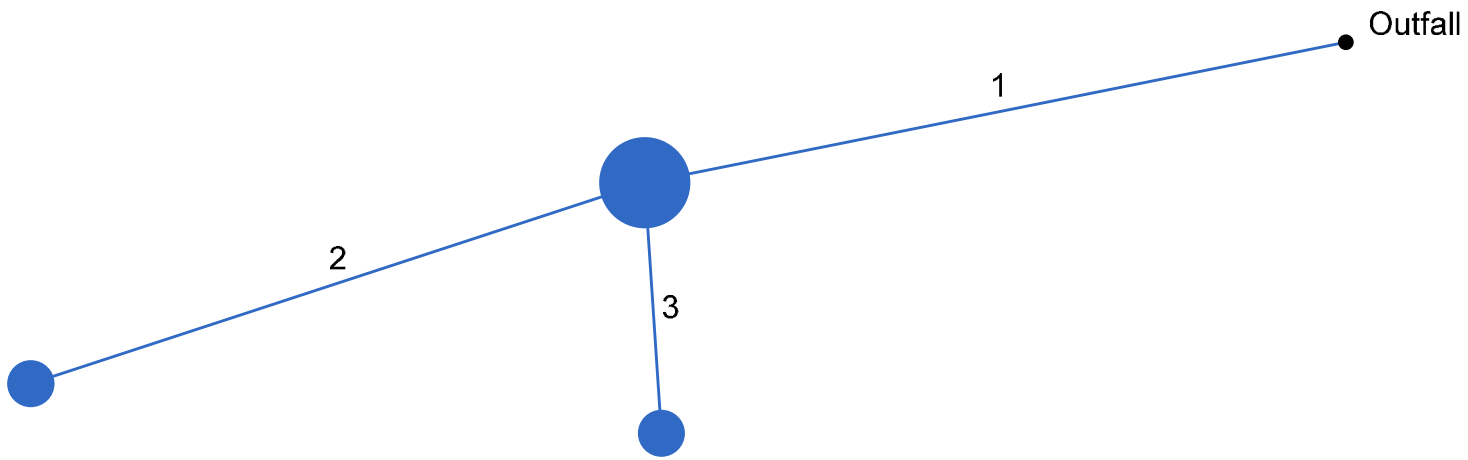


Storm Sewer Profile

Proj. file: 16B-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Project File: 16-outflow.stm	Number of lines: 3	Date: 9/25/2025

Storm Sewer Tabulation

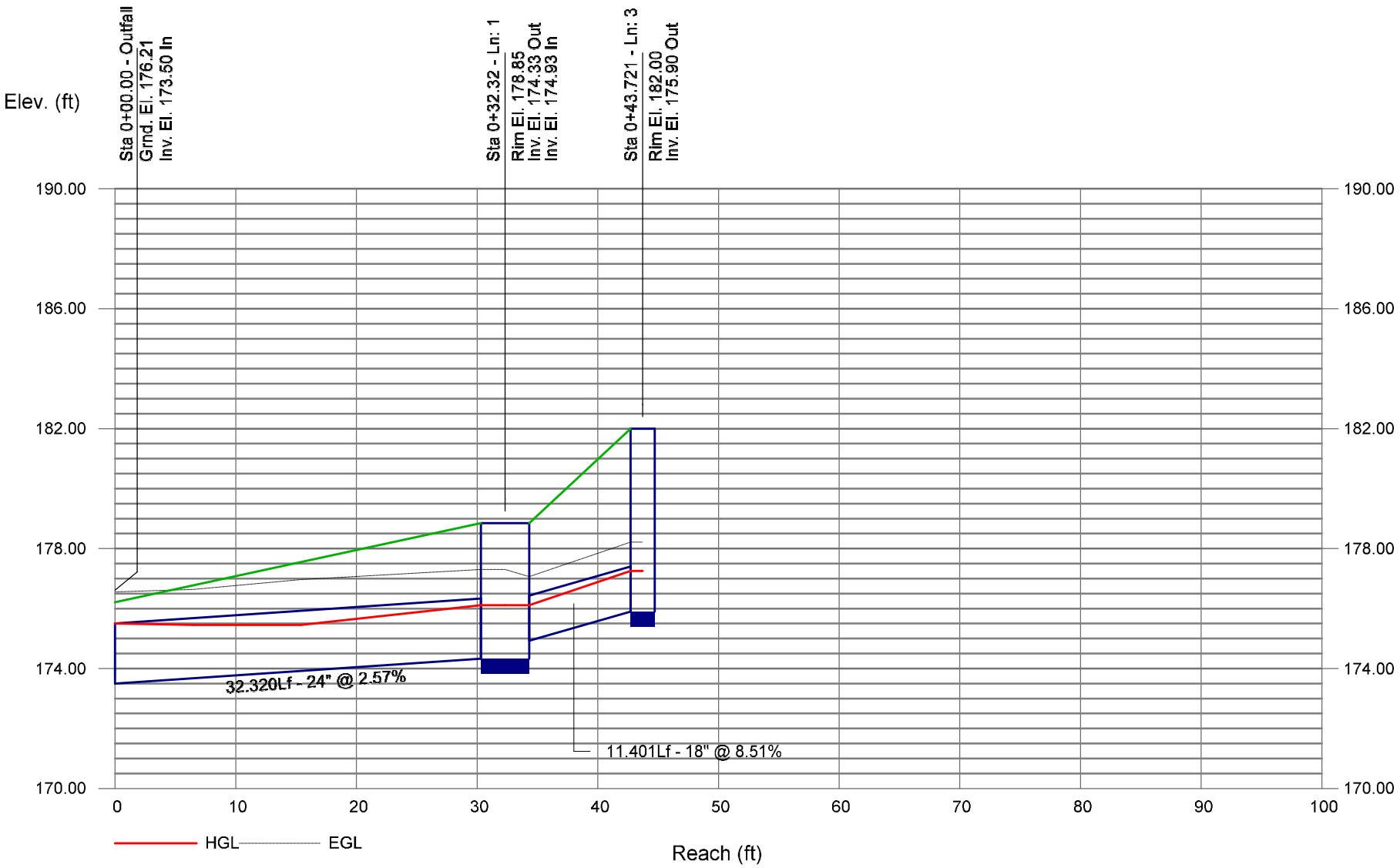
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	32.320	0.00	0.00	0.00	0.00	0.00	0.0	0.1	0.0	25.90	39.27	8.50	24	2.57	173.50	174.33	175.50	176.11	176.21	178.85	Pipe - (45) (1)
2	1	29.185	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	12.72	11.53	7.20	18	1.03	174.93	175.23	176.43	176.80	178.85	186.00	Proposed Storm-P
3	1	11.401	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	13.18	33.18	8.33	18	8.51	174.93	175.90	176.11	177.26	178.85	182.00	Pipe - (45)

Project File: 16-outflow.stm | Number of lines: 3 | Run Date: 9/25/2025

NOTES:Intensity = 127.16 / (Inlet time + 17.80) ^ 0.82; Return period =Yrs. 100 ; c = cir e = ellip b = box

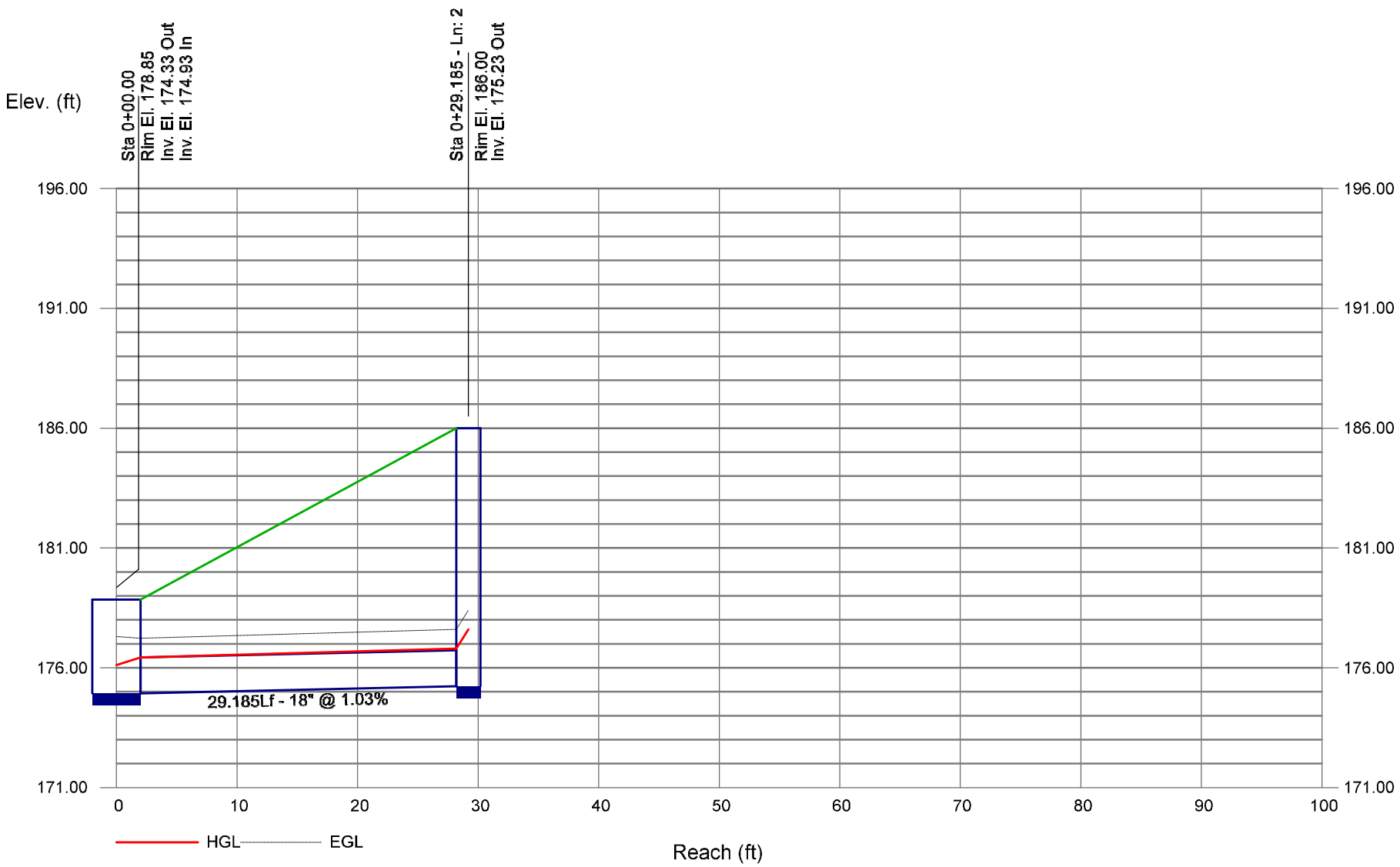
Storm Sewer Profile

Proj. file: 16-outflow.stm

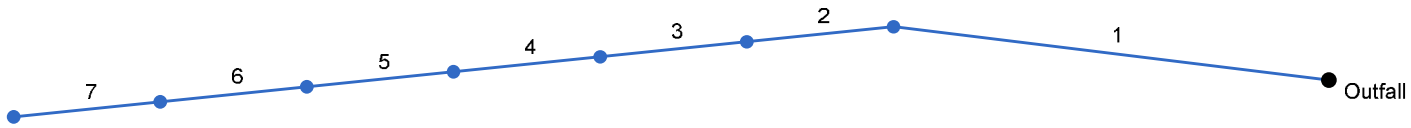


Storm Sewer Profile

Proj. file: 16-outflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Tabulation

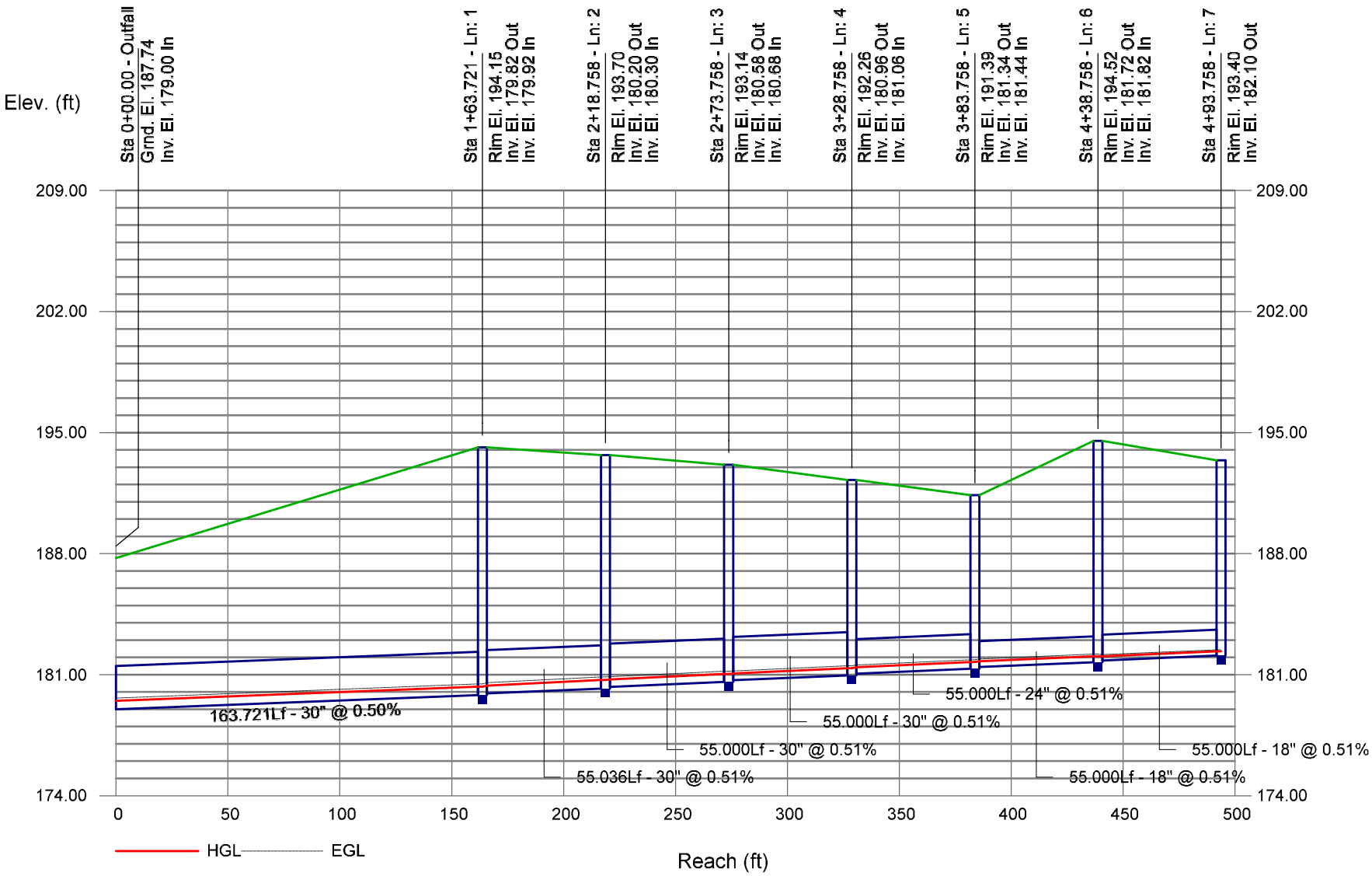
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	163.721	0.00	0.59	0.74	0.00	0.44	10.0	22.9	5.0	2.19	31.44	3.30	30	0.50	179.00	179.82	179.48	180.30	187.74	194.15	Pipe - (110)
2	1	55.036	0.10	0.59	0.74	0.07	0.44	10.0	21.3	5.2	2.26	31.69	3.53	30	0.51	179.92	180.20	180.37	180.69	194.15	193.70	Pipe - (109)
3	2	55.000	0.10	0.49	0.74	0.07	0.36	10.0	19.5	5.4	1.96	31.70	3.39	30	0.51	180.30	180.58	180.72	181.04	193.70	193.14	Pipe - (108)
4	3	55.000	0.10	0.39	0.74	0.07	0.29	10.0	17.1	5.7	1.65	31.70	3.23	30	0.51	180.68	180.96	181.07	181.38	193.14	192.26	Pipe - (107)
5	4	55.000	0.10	0.29	0.74	0.07	0.21	10.0	15.2	6.0	1.29	17.48	3.11	24	0.51	181.06	181.34	181.43	181.73	192.26	191.39	Pipe - (106)
6	5	55.000	0.10	0.19	0.74	0.07	0.14	10.0	13.5	6.3	0.88	8.12	2.91	18	0.51	181.44	181.72	181.77	182.07	191.39	194.52	Pipe - (105)
7	6	55.000	0.09	0.09	0.74	0.07	0.07	10.0	10.0	6.9	0.46	8.12	2.38	18	0.51	181.82	182.10	182.07	182.35	194.52	193.40	Pipe - (104)

Project File: 17A-inflow.stm | Number of lines: 7 | Run Date: 9/25/2025

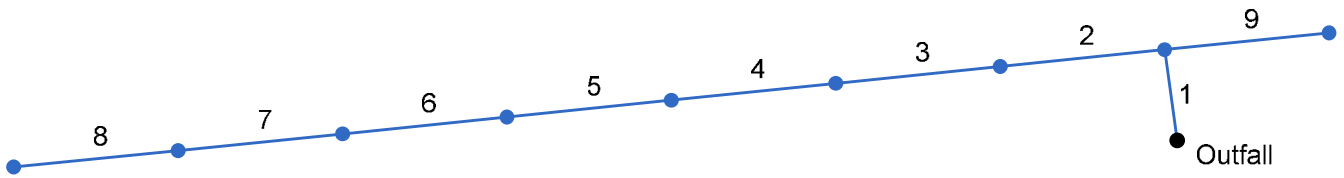
NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 17A-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Tabulation

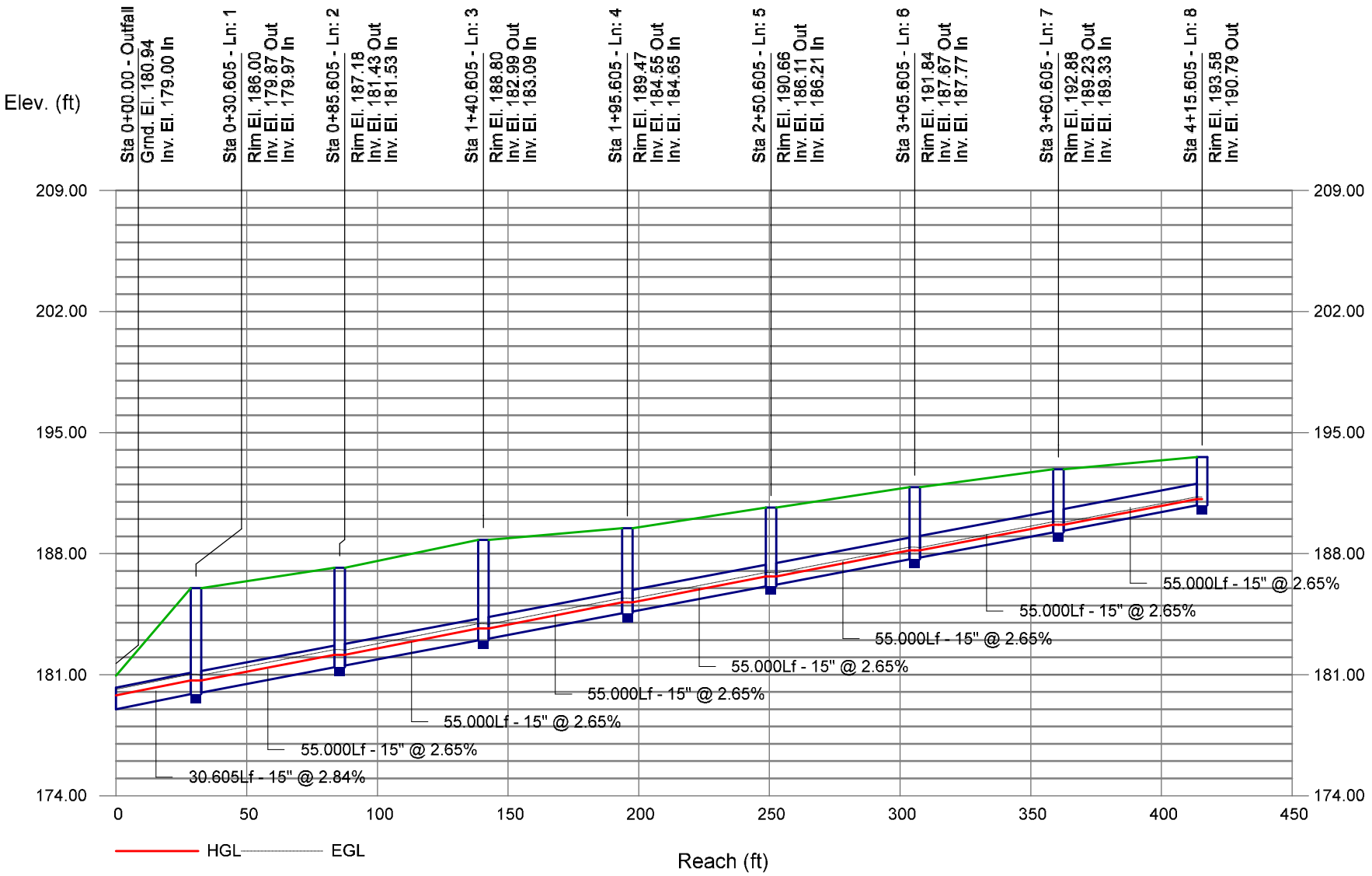
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	30.605	0.00	0.87	0.74	0.00	0.64	10.0	14.4	6.1	3.94	11.79	4.74	15	2.84	179.00	179.87	179.80	180.67	180.94	186.00	Pipe - (118)
2	1	55.000	0.09	0.71	0.74	0.07	0.53	10.0	14.1	6.2	3.24	11.40	4.48	15	2.65	179.97	181.43	180.67	182.16	186.00	187.18	Pipe - (117)
3	2	55.000	0.09	0.62	0.74	0.07	0.46	10.0	13.7	6.2	2.86	11.40	4.43	15	2.65	181.53	182.99	182.16	183.67	187.18	188.80	Pipe - (116)
4	3	55.000	0.09	0.53	0.74	0.07	0.39	10.0	13.3	6.3	2.47	11.40	4.23	15	2.65	183.09	184.55	183.67	185.18	188.80	189.47	Pipe - (115)
5	4	55.000	0.09	0.44	0.74	0.07	0.33	10.0	12.8	6.4	2.08	11.40	4.00	15	2.65	184.65	186.11	185.18	186.69	189.47	190.66	Pipe - (114)
6	5	55.000	0.09	0.35	0.74	0.07	0.26	10.0	12.1	6.5	1.69	11.40	3.74	15	2.65	186.21	187.67	186.69	188.19	190.66	191.84	Pipe - (113)
7	6	55.000	0.09	0.26	0.74	0.07	0.19	10.0	11.3	6.7	1.29	11.40	3.43	15	2.65	187.77	189.23	188.19	189.68	191.84	192.88	Pipe - (112)
8	7	55.000	0.17	0.17	0.74	0.13	0.13	10.0	10.0	6.9	0.87	11.40	3.03	15	2.65	189.33	190.79	189.68	191.16	192.88	193.58	Pipe - (111)
9	1	55.000	0.16	0.16	0.74	0.12	0.12	10.0	10.0	6.9	0.82	13.93	2.01	15	3.96	179.97	182.15	180.67	182.50	186.00	184.94	Pipe - (119)

Project File: 17B-inflow.stm | Number of lines: 9 | Run Date: 9/25/2025

NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

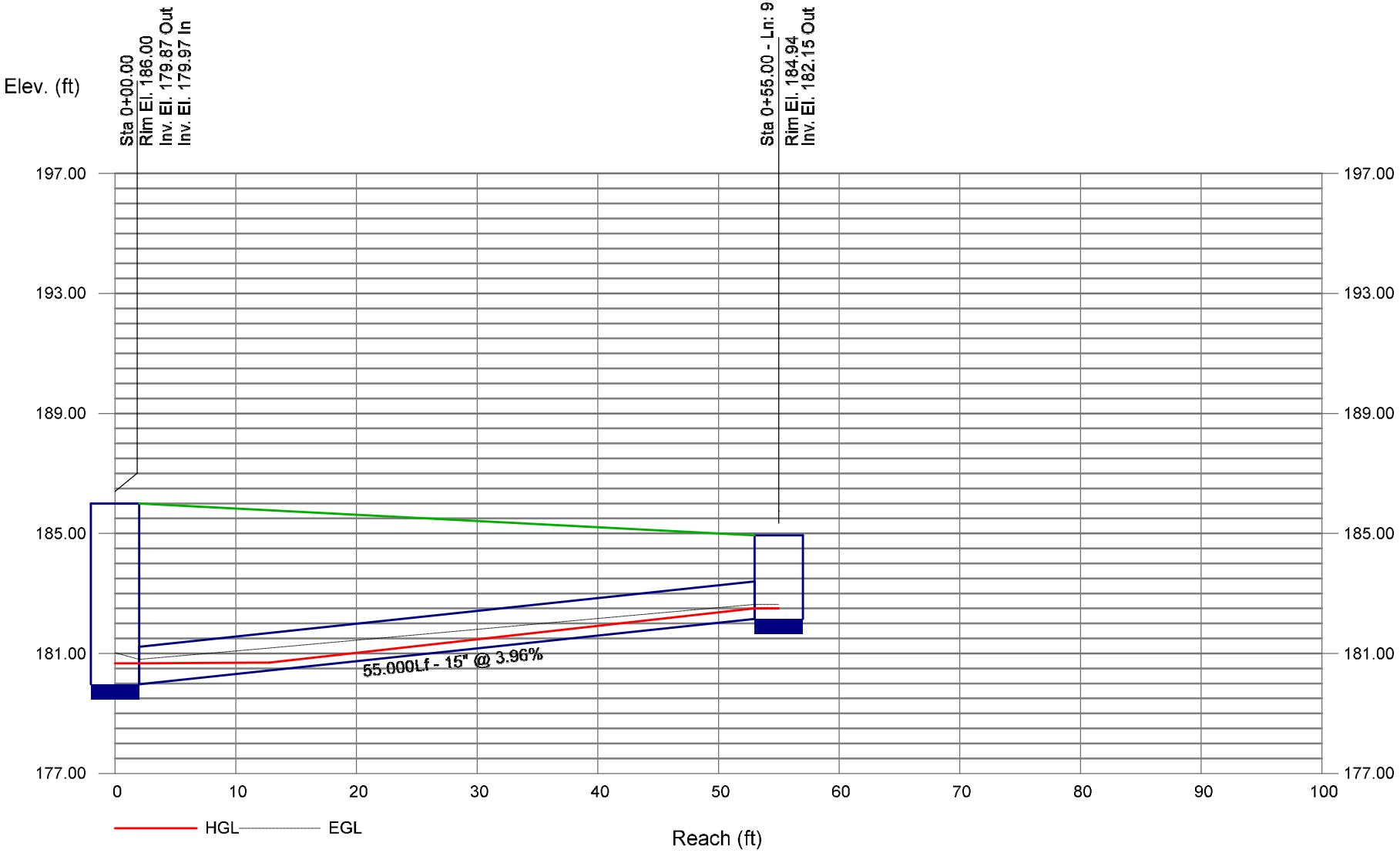
Storm Sewer Profile

Proj. file: 17B-inflow.stm

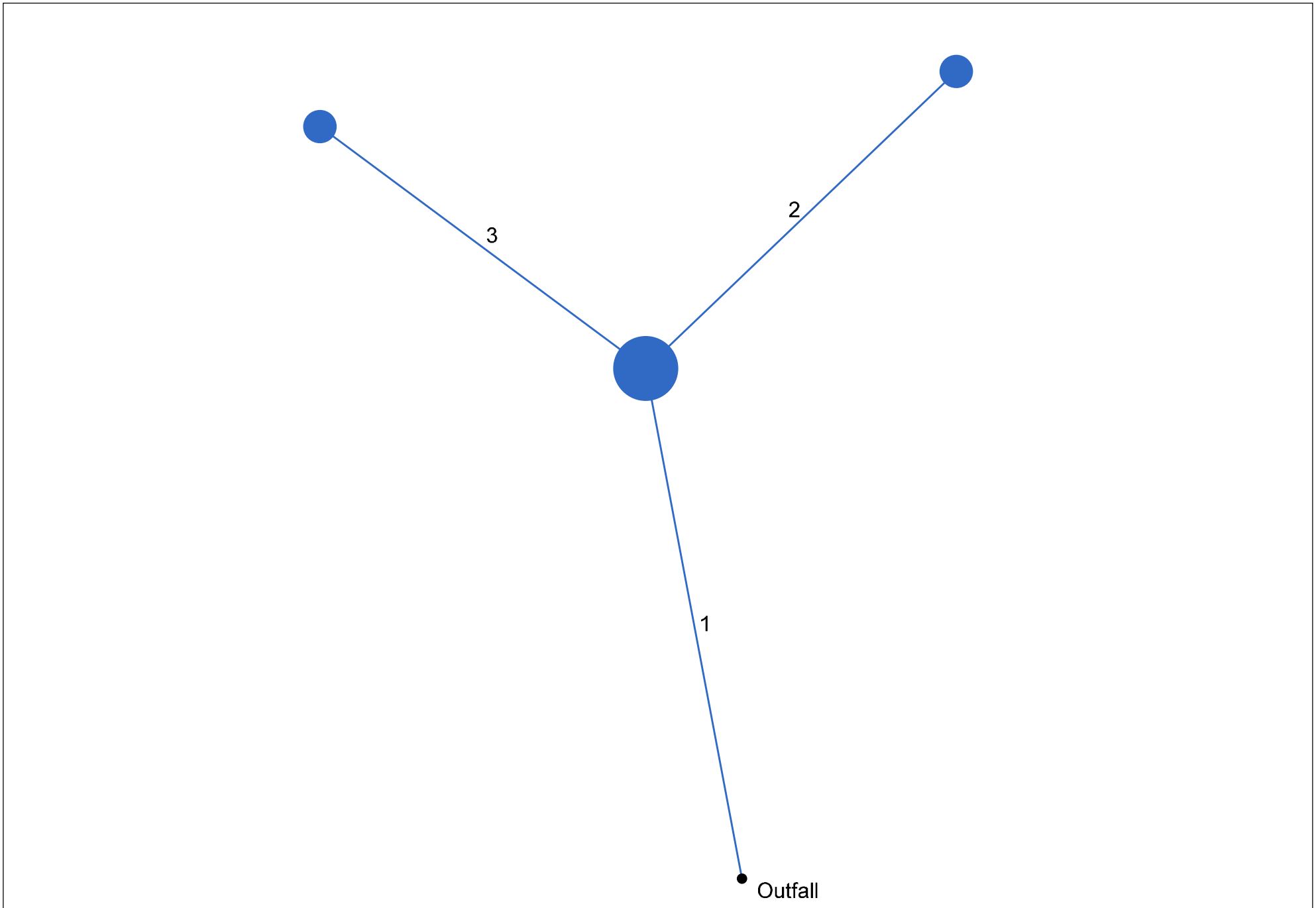


Storm Sewer Profile

Proj. file: 17B-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Project File: 17-outflow.stm	Number of lines: 3	Date: 9/25/2025

Storm Sewer Tabulation

Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	33.005	0.00	2.65	0.00	0.00	0.00	0.0	0.5	0.0	4.30	38.39	2.82	24	2.45	176.50	177.31	178.24	178.04	179.21	181.83	Pipe - (120) (1)
2	1	27.245	1.30	1.30	0.00	0.00	0.00	0.0	0.0	0.0	2.77	22.75	6.32	18	4.00	177.91	179.00	178.26	179.63	181.83	183.00	Pipe - (120)
3	1	25.723	1.35	1.35	0.00	0.00	0.00	0.0	0.0	0.0	1.53	19.30	4.90	18	2.88	177.91	178.65	178.20	179.11	181.83	183.00	Proposed Storm-P

Project File: 17-outflow.stm

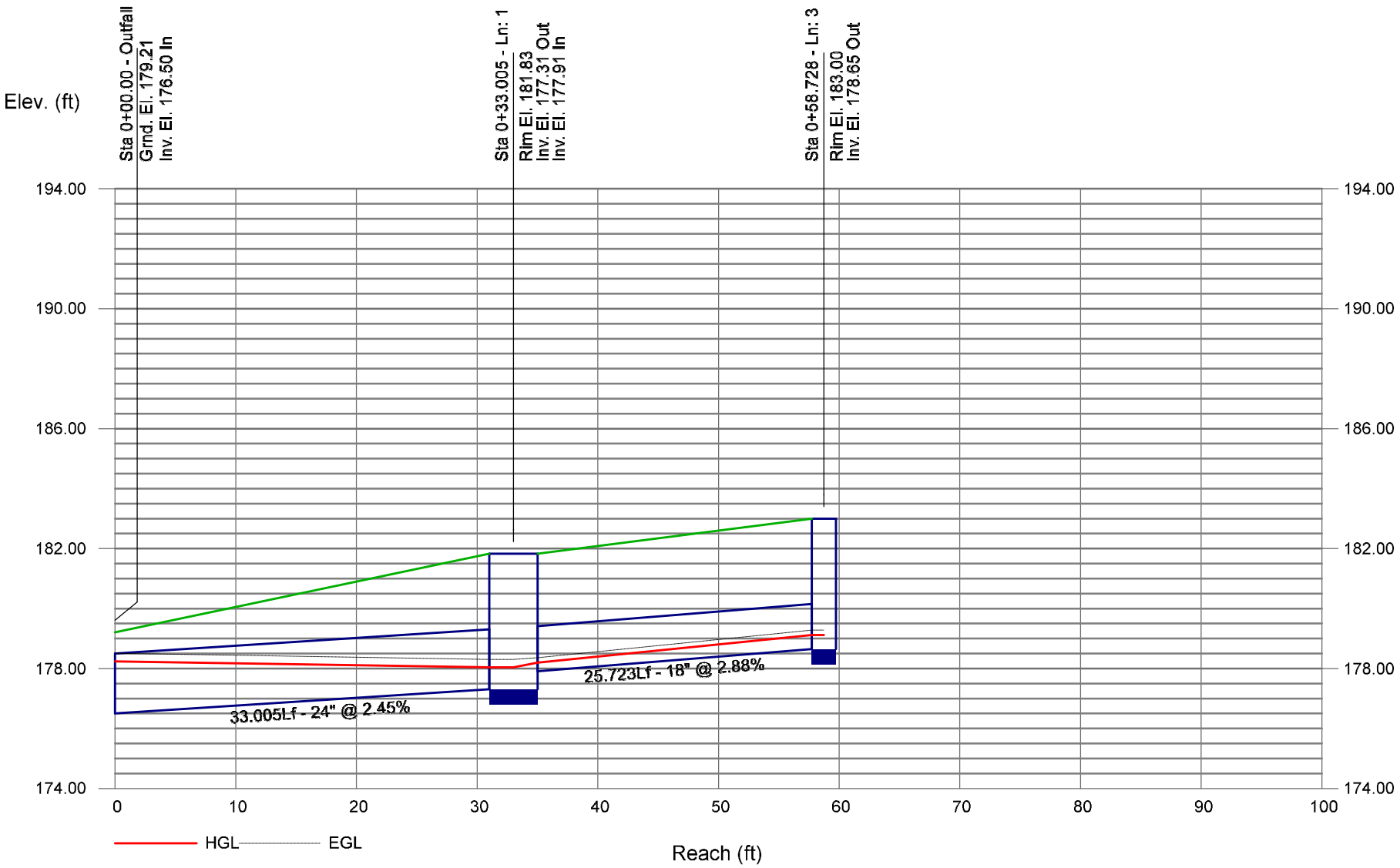
Number of lines: 3

Run Date: 9/25/2025

NOTES:Intensity = 127.16 / (Inlet time + 17.80) ^ 0.82; Return period =Yrs. 100 ; c = cir e = ellip b = box

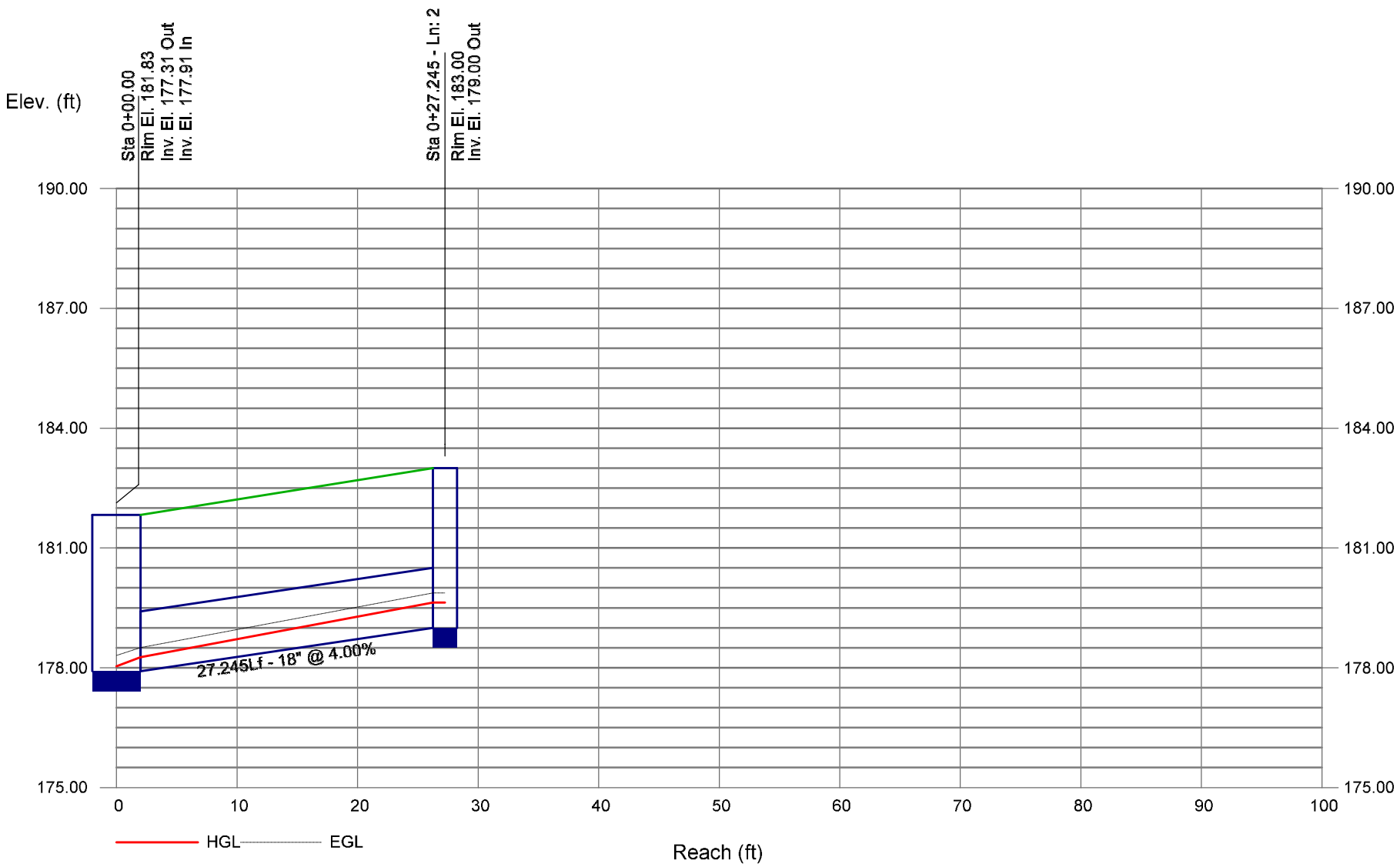
Storm Sewer Profile

Proj. file: 17-outflow.stm

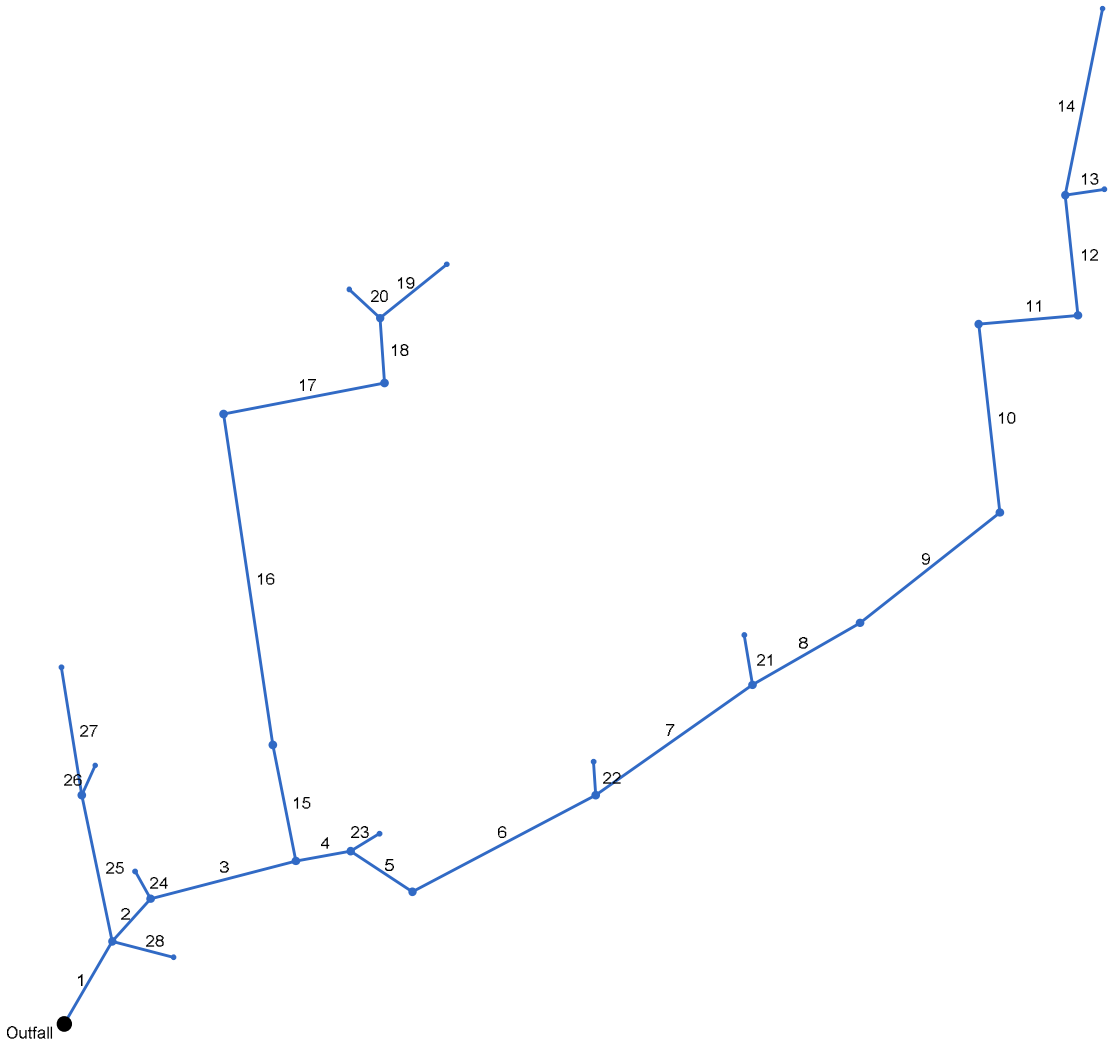


Storm Sewer Profile

Proj. file: 17-outflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Project File: 18-28-outflow.stm	Number of lines: 28	Date: 9/25/2025

Storm Sewer Tabulation

Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	68.214	0.00	0.00	0.00	0.00	0.00	0.0	1.6	0.0	226.7	324.0	9.50	72	0.50	137.00	137.34	142.90	141.46	143.21	146.92	Proposed Storm-P
2	1	40.916	0.00	0.00	0.00	0.00	0.00	0.0	1.6	0.0	159.7	208.7	20.30	42	3.67	139.44	140.94	141.73	144.35	146.92	149.25	Proposed Storm-P
3	2	106.964	0.00	0.00	0.00	0.00	0.00	0.0	1.4	0.0	137.6	179.6	9.65	54	0.71	140.04	140.80	144.35	144.25	149.25	149.50	Proposed Storm-P
4	3	39.623	0.00	0.00	0.00	0.00	0.00	0.0	1.4	0.0	96.94	104.7	21.99	30	5.55	142.90	145.10	144.80	147.58	149.50	153.15	Proposed Storm-P
5	4	52.697	0.00	0.00	0.00	0.00	0.00	0.0	1.3	0.0	74.54	71.77	10.89	36	0.99	144.70	145.22	147.58	147.93	153.15	153.15	Proposed Storm-P
6	5	147.619	0.00	0.00	0.00	0.00	0.00	0.0	1.1	0.0	74.54	70.36	11.16	36	0.95	145.32	146.72	147.98	149.43	153.15	155.25	Proposed Storm-P
7	6	136.747	0.00	0.00	0.00	0.00	0.00	0.0	0.8	0.0	51.67	57.49	11.28	30	1.67	147.32	149.61	149.43	151.93	155.25	155.40	Proposed Storm-P
8	7	88.445	0.00	0.00	0.00	0.00	0.00	0.0	0.7	0.0	28.78	53.96	9.77	24	4.85	150.21	154.50	151.93	156.34	155.40	160.10	Proposed Storm-P
9	8	127.115	0.00	0.00	0.00	0.00	0.00	0.0	0.5	0.0	28.78	30.10	16.30	18	7.00	154.85	163.75	156.34	165.24	160.10	168.50	Proposed Storm-P
10	9	135.540	0.00	0.00	0.00	0.00	0.00	0.0	0.4	0.0	28.78	32.26	16.56	18	8.04	163.85	174.75	165.24	176.24	168.50	185.50	Proposed Storm-P
11	10	71.026	0.00	0.00	0.00	0.00	0.00	0.0	0.3	0.0	28.78	32.79	16.30	18	8.31	174.75	180.65	176.24	182.14	185.50	189.50	Proposed Storm-P
12	11	86.345	0.00	0.00	0.00	0.00	0.00	0.0	0.2	0.0	28.78	57.53	9.97	24	5.51	180.50	185.26	182.14	187.10	189.50	191.15	Pipe - (101)
13	12	28.208	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	12.81	17.26	5.21	24	0.50	185.36	185.50	187.10	186.79	191.15	190.00	Pipe - (100)
14	12	136.008	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	15.97	17.43	14.16	15	6.21	186.11	194.55	187.10	195.79	191.15	199.00	Pipe - (316) (1)
15	3	84.624	0.00	0.00	0.00	0.00	0.00	0.0	0.8	0.0	40.63	53.93	15.93	24	4.84	143.15	147.25	144.45	149.20	149.50	151.50	Proposed Storm-P
16	15	239.076	0.00	0.00	0.00	0.00	0.00	0.0	0.5	0.0	40.63	59.08	13.19	24	5.81	147.35	161.25	149.20	163.20	151.50	166.60	Proposed Storm-P
17	16	116.720	0.00	0.00	0.00	0.00	0.00	0.0	0.2	0.0	40.63	61.00	8.78	30	1.88	160.85	163.05	163.20	165.19	166.60	168.85	Proposed Storm-P
18	17	46.451	0.00	0.00	0.00	0.00	0.00	0.0	0.1	0.0	40.63	33.52	5.75	36	0.22	162.65	162.75	165.65	165.75	168.85	168.69	Proposed Storm-P
19	18	61.143	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	19.31	22.96	11.53	18	4.07	164.91	167.40	166.19	168.86	168.69	172.00	Proposed Storm-P
20	18	30.071	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	21.32	31.28	7.46	24	1.63	164.41	164.90	166.19	166.55	168.69	170.00	Proposed Storm-P
21	7	36.093	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	22.89	39.82	5.87	30	0.80	149.71	150.00	151.93	151.63	155.40	154.00	Proposed Storm-P
22	6	24.047	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	22.87	49.46	8.23	24	4.08	147.82	148.80	149.43	150.50	155.25	154.00	Pipe - (367)

Project File: 18-28-outflow.stm | Number of lines: 28 | Run Date: 9/25/2025

NOTES:Intensity = 127.16 / (Inlet time + 17.80) ^ 0.82; Return period =Yrs. 100 ; c = cir e = ellip b = box

Storm Sewer Tabulation

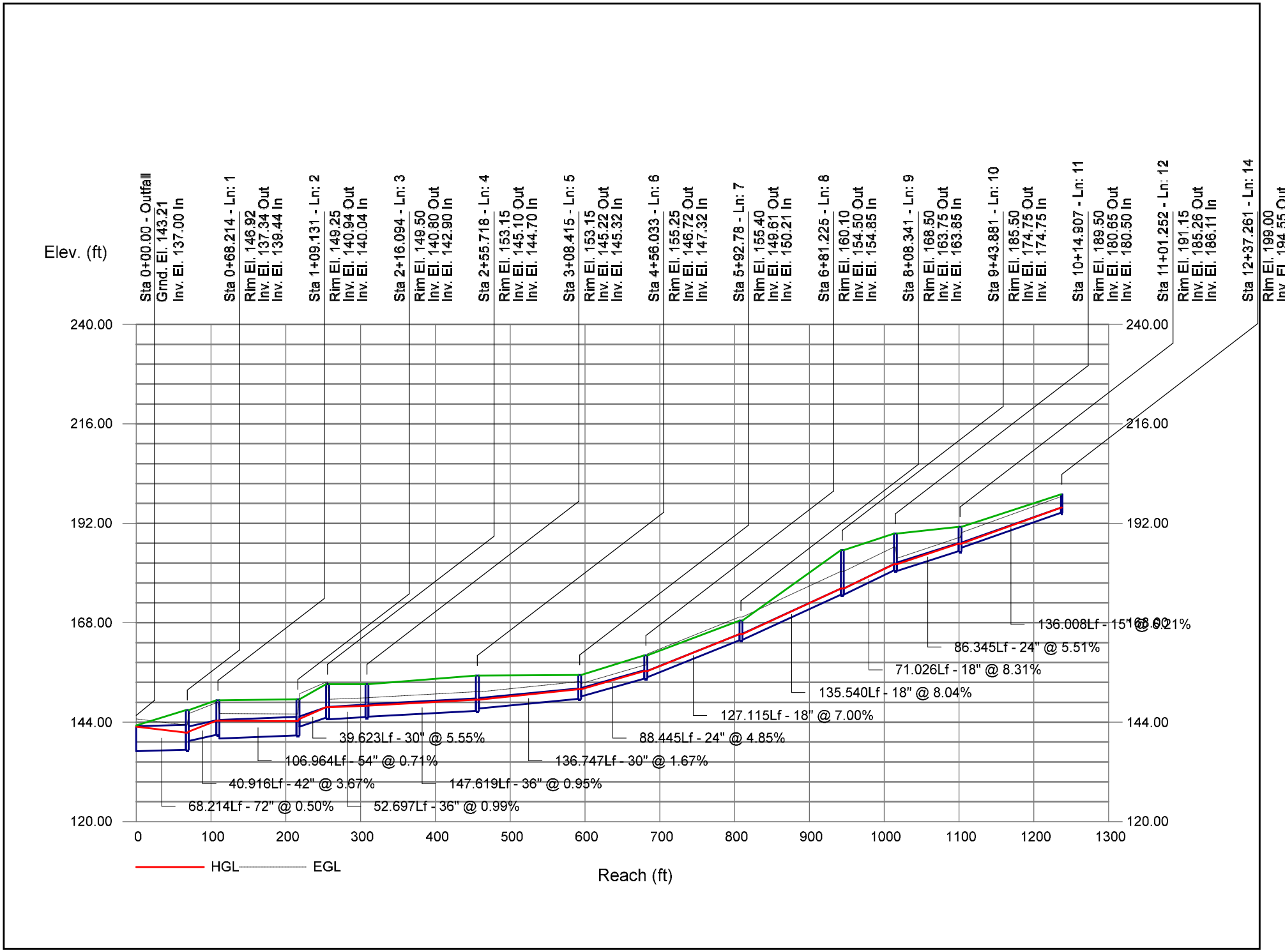
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
23	4	24.010	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	22.40	24.35	12.93	18	4.58	146.20	147.30	147.58	148.78	153.15	152.00	Proposed Storm-P
24	2	22.389	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	22.11	26.99	13.03	18	5.63	143.04	144.30	144.35	145.78	149.25	149.00	Pipe - (452)
25	1	106.733	0.00	0.00	0.00	0.00	0.00	0.0	0.2	0.0	44.67	44.48	10.02	30	1.00	140.44	141.51	142.50	143.73	146.92	145.77	Proposed Storm-P
26	25	23.363	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	22.85	27.75	14.57	18	5.95	142.61	144.00	143.73	145.48	145.77	148.00	Pipe - (451)
27	25	92.642	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	21.82	25.96	7.47	24	1.12	141.86	142.90	143.73	144.57	145.77	148.00	Proposed Storm-P
28	1	45.088	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	22.32	28.65	15.29	18	6.34	141.44	144.30	142.44	145.78	146.92	149.00	Pipe - (453)

Project File: 18-28-outflow.stm | Number of lines: 28 | Run Date: 9/25/2025

NOTES:Intensity = 127.16 / (Inlet time + 17.80) ^ 0.82; Return period =Yrs. 100 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 18-28-outflow.stm



Storm Sewer Profile

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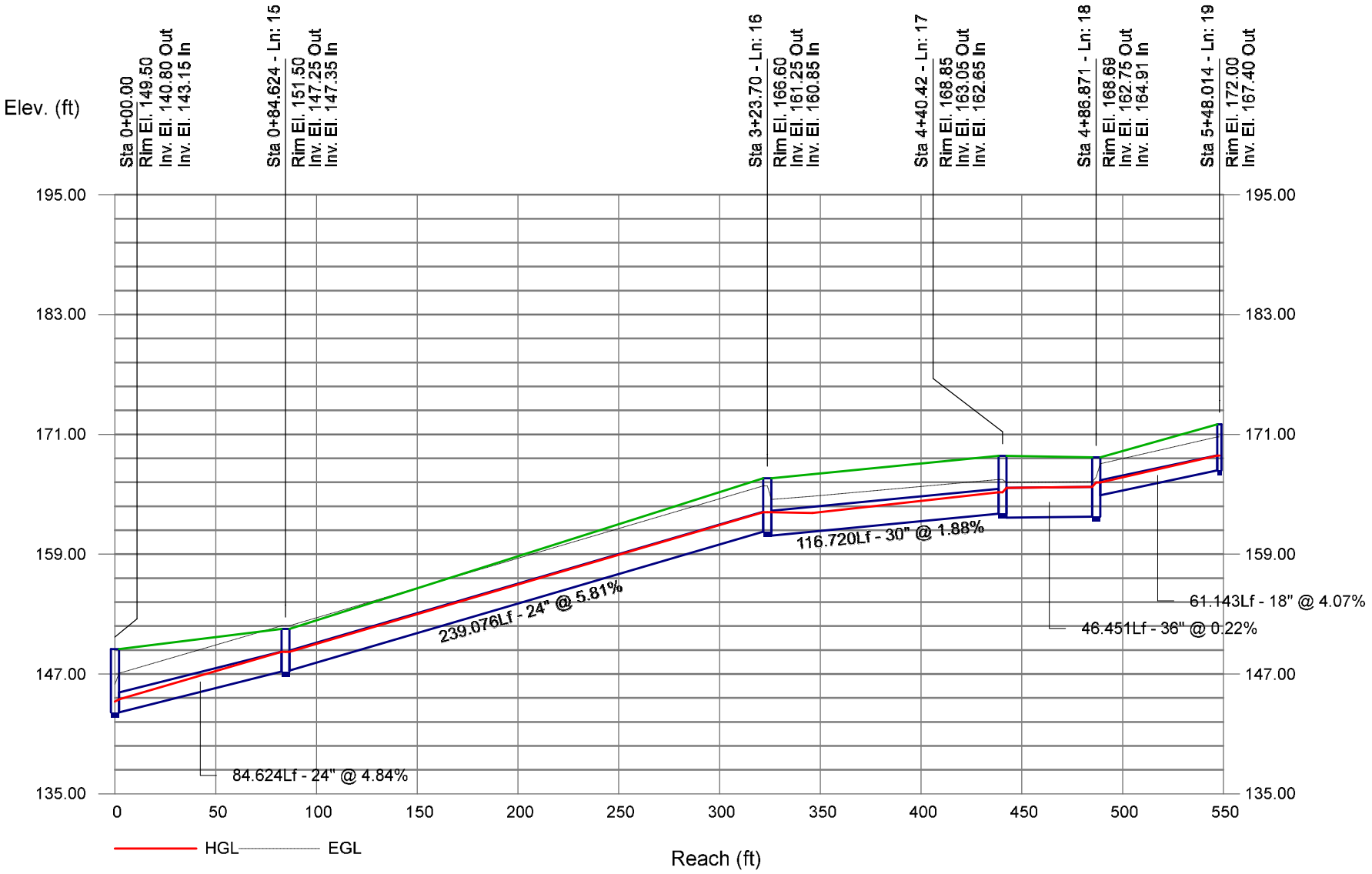

Storm Sewer Profile

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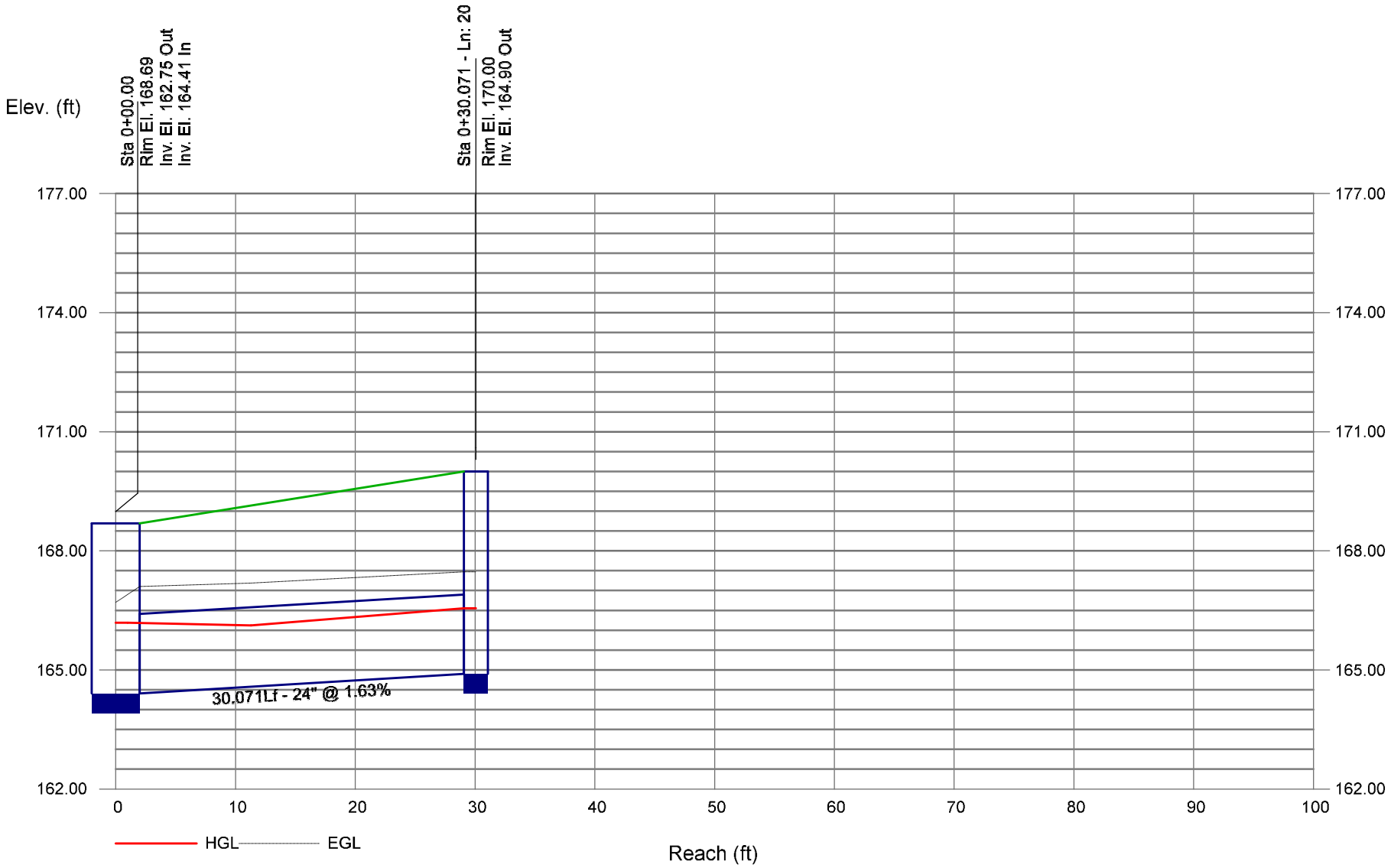

Storm Sewer Profile

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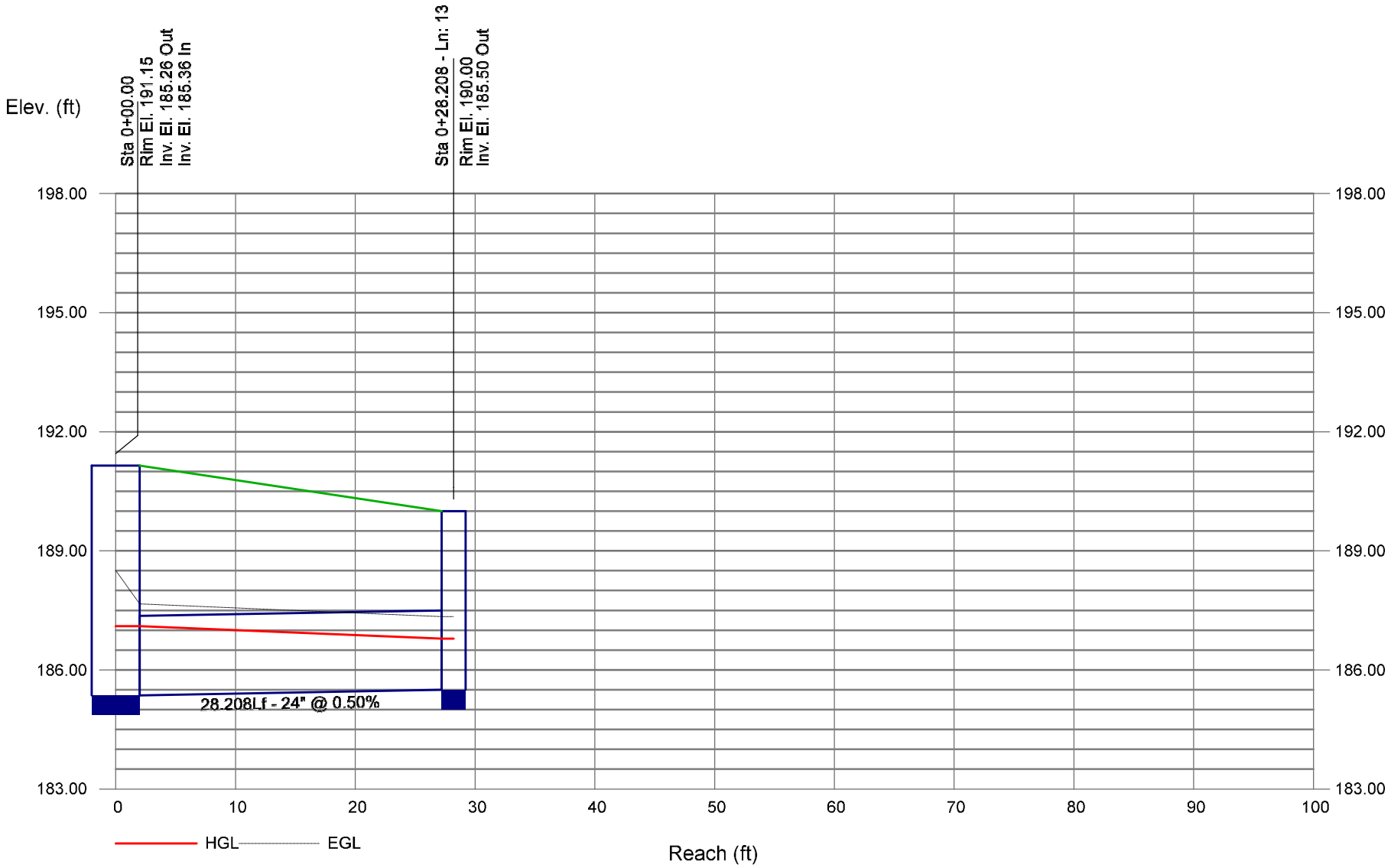

Storm Sewer Profile

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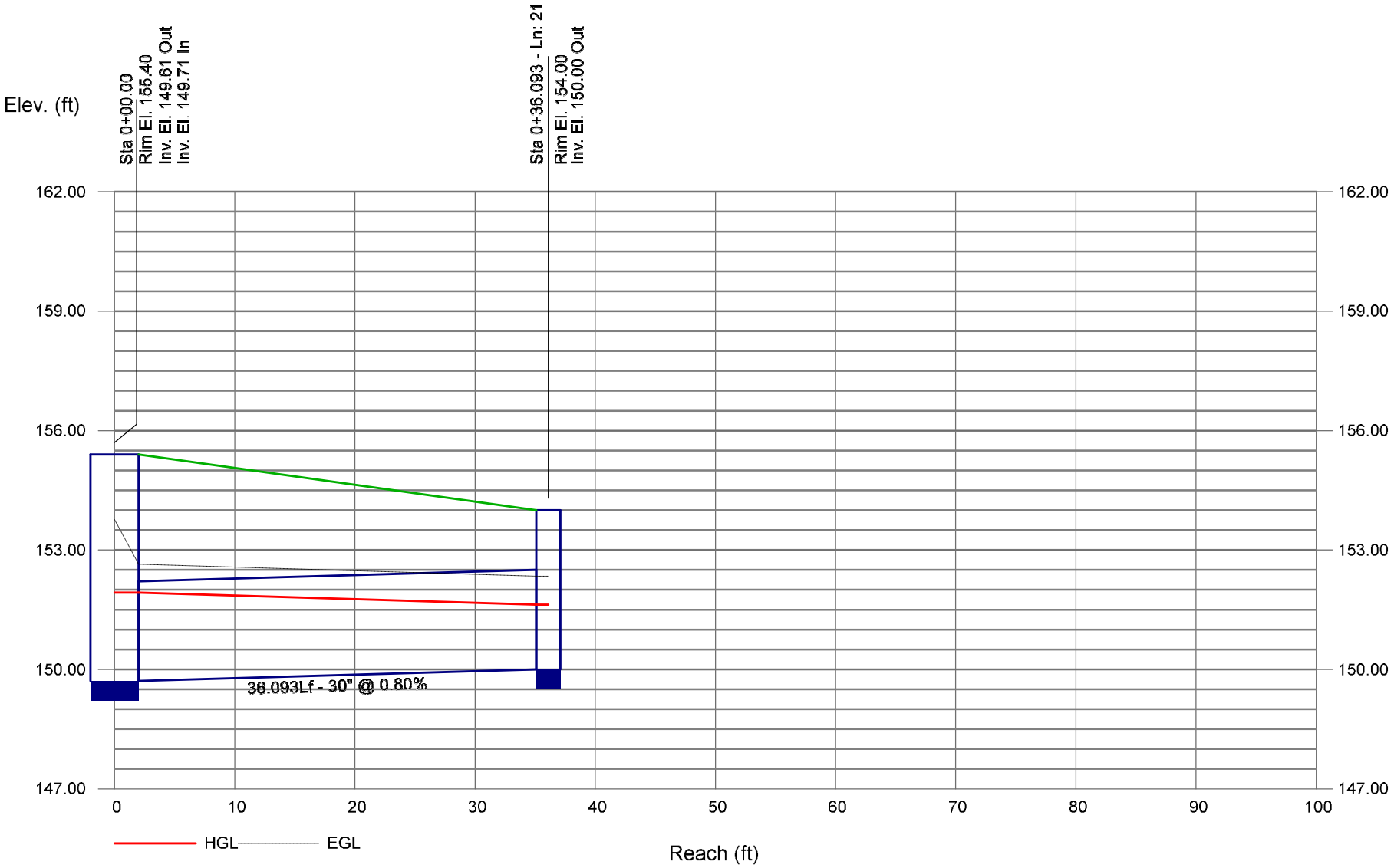

Storm Sewer Profile

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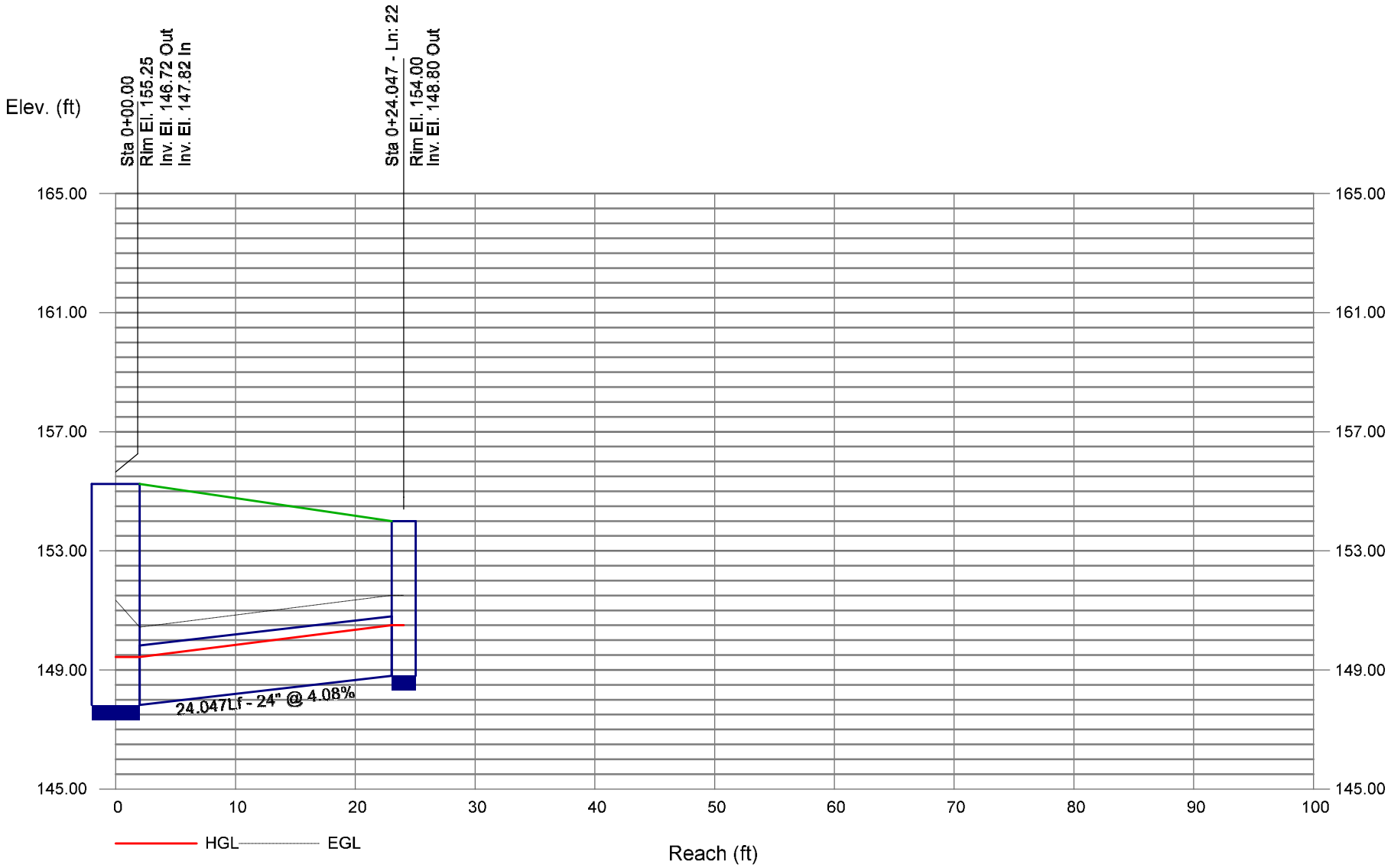

Storm Sewer Profile

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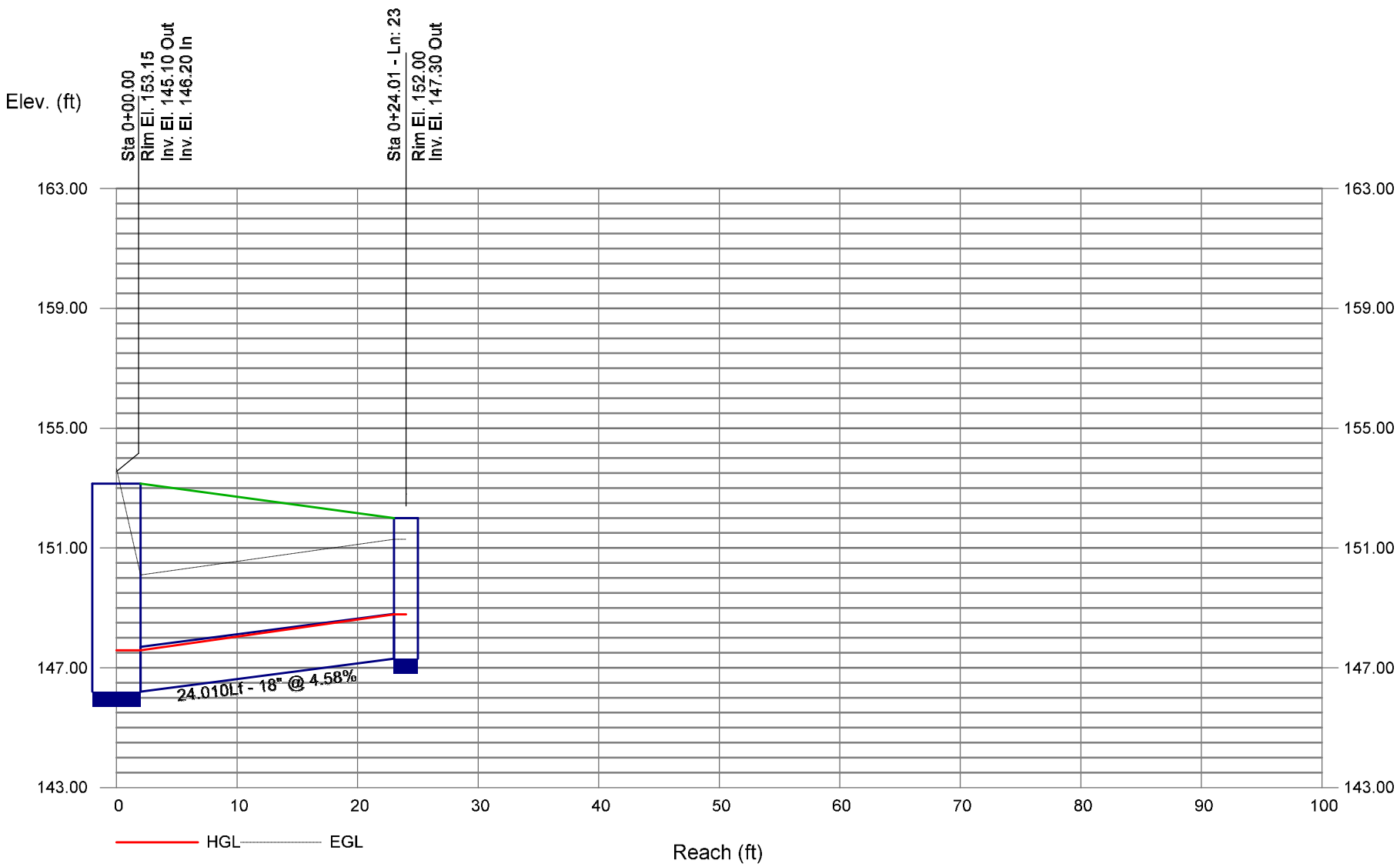

Storm Sewer Profile

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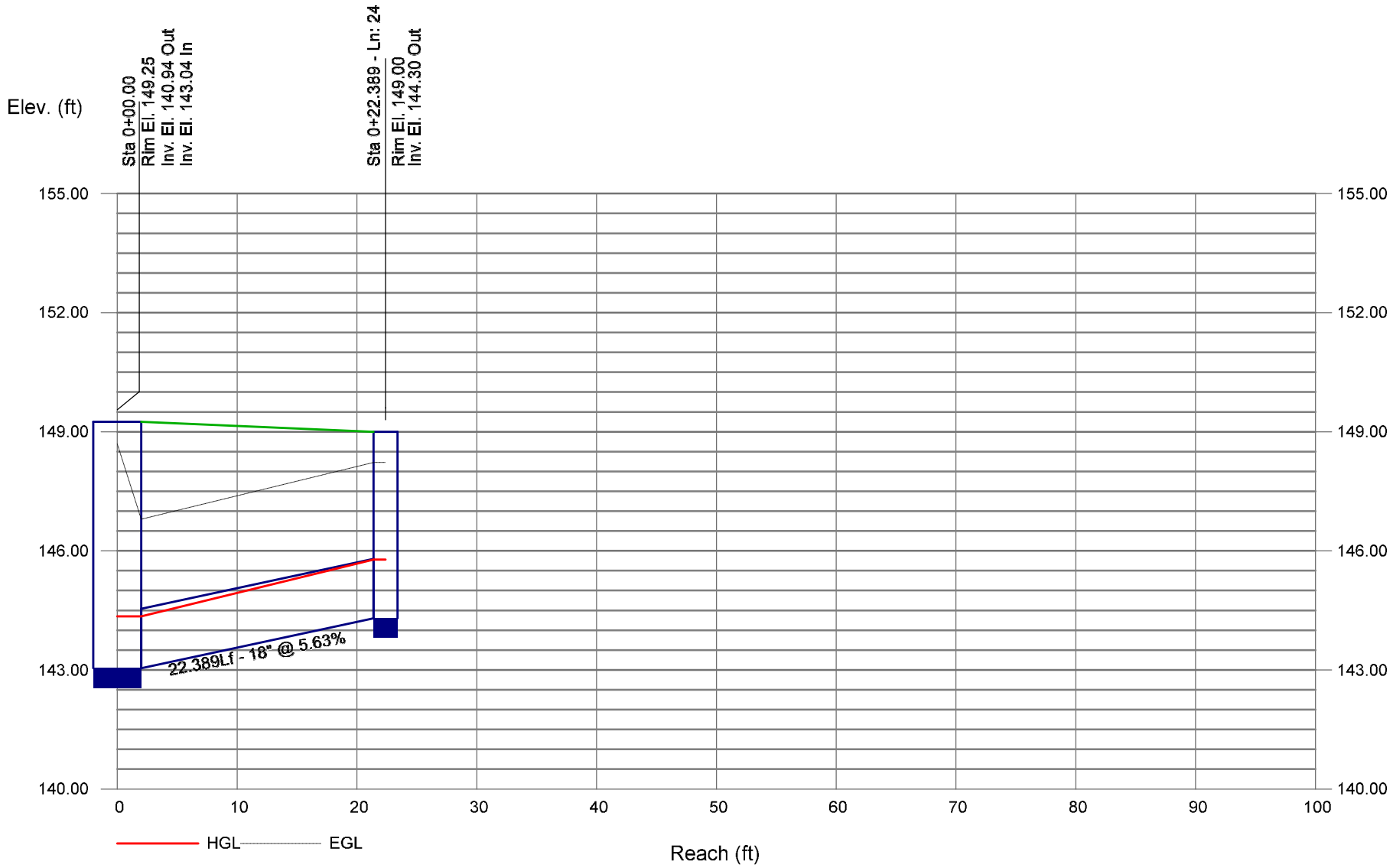

Storm Sewer Profile

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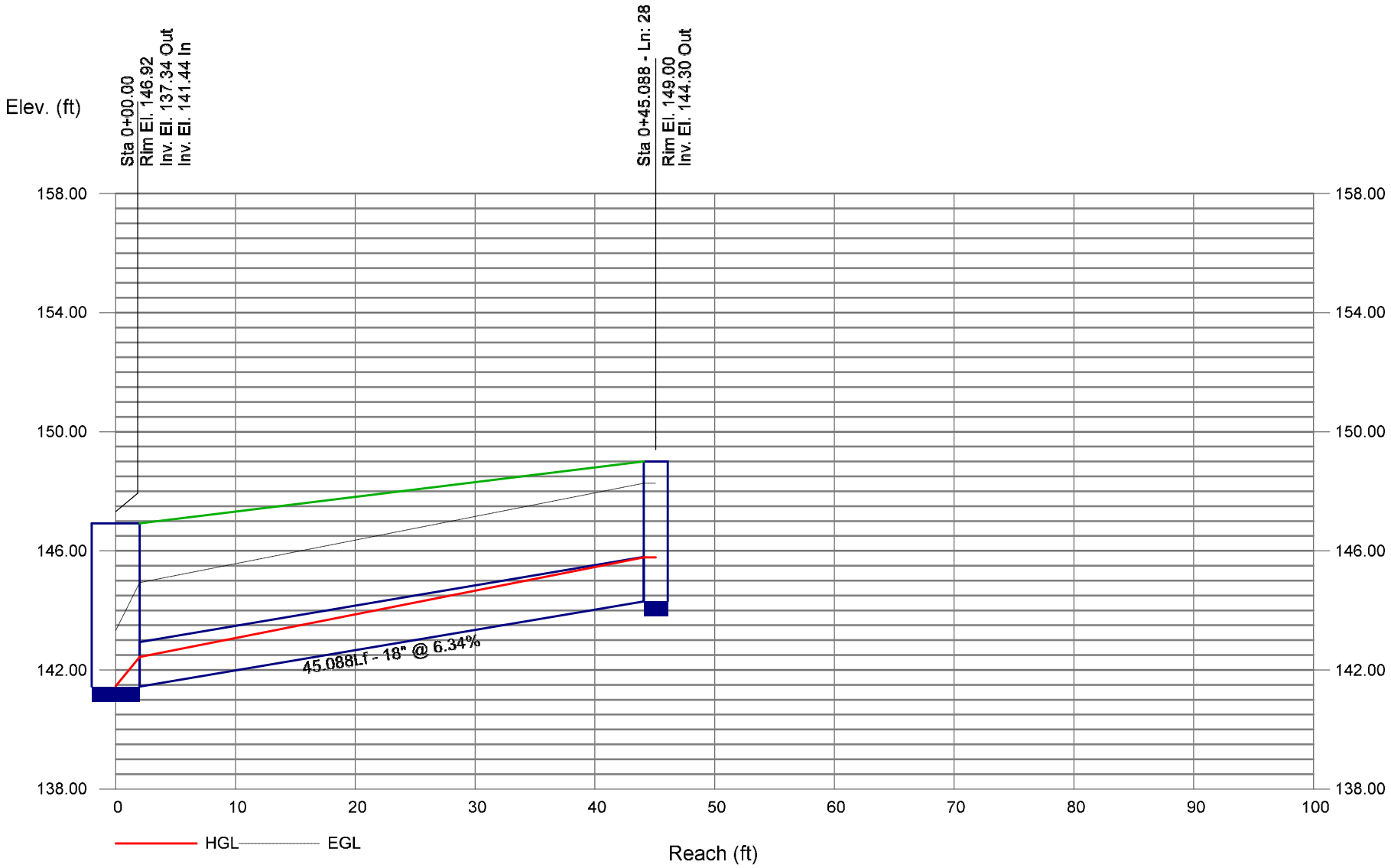

Storm Sewer Profile

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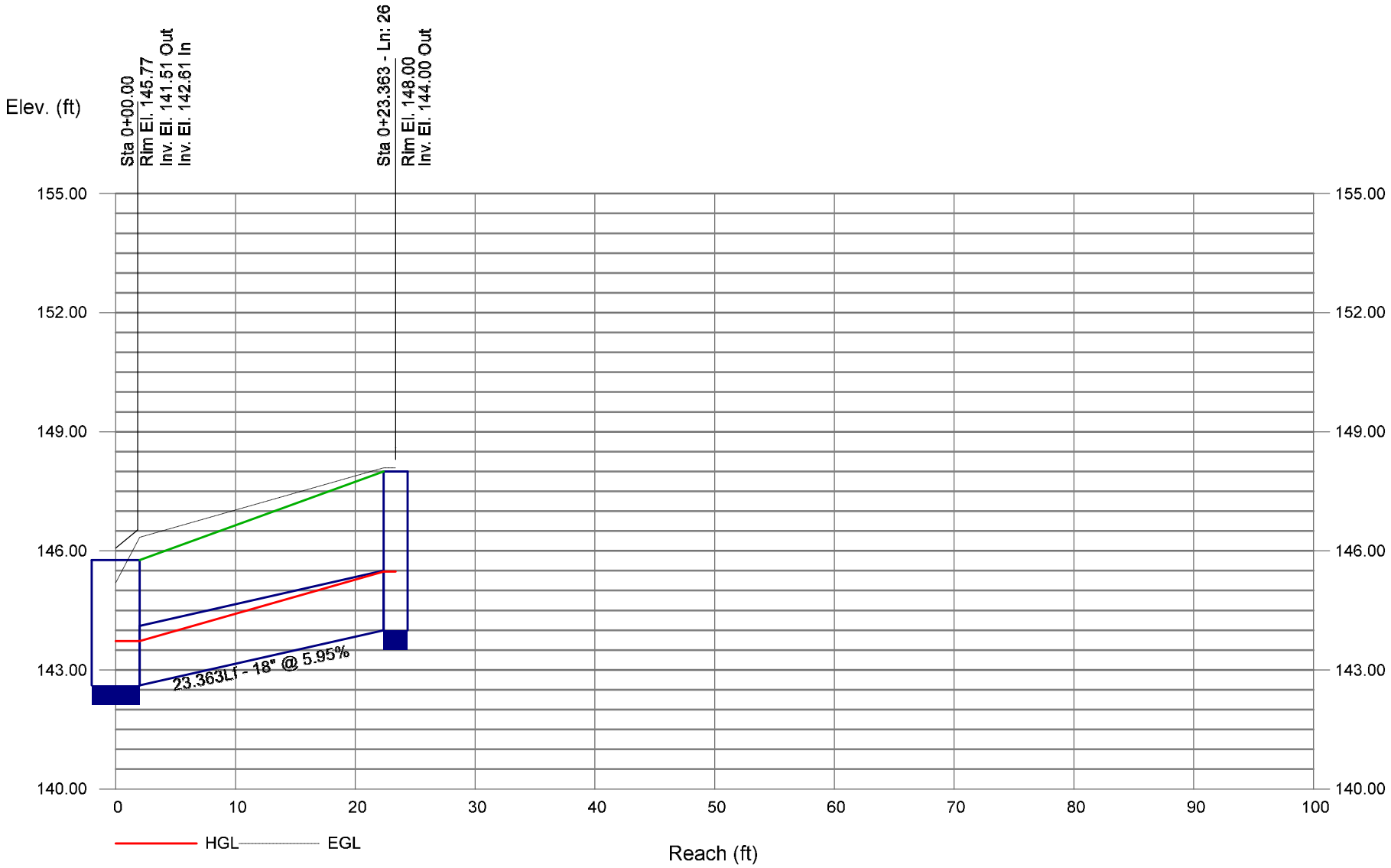
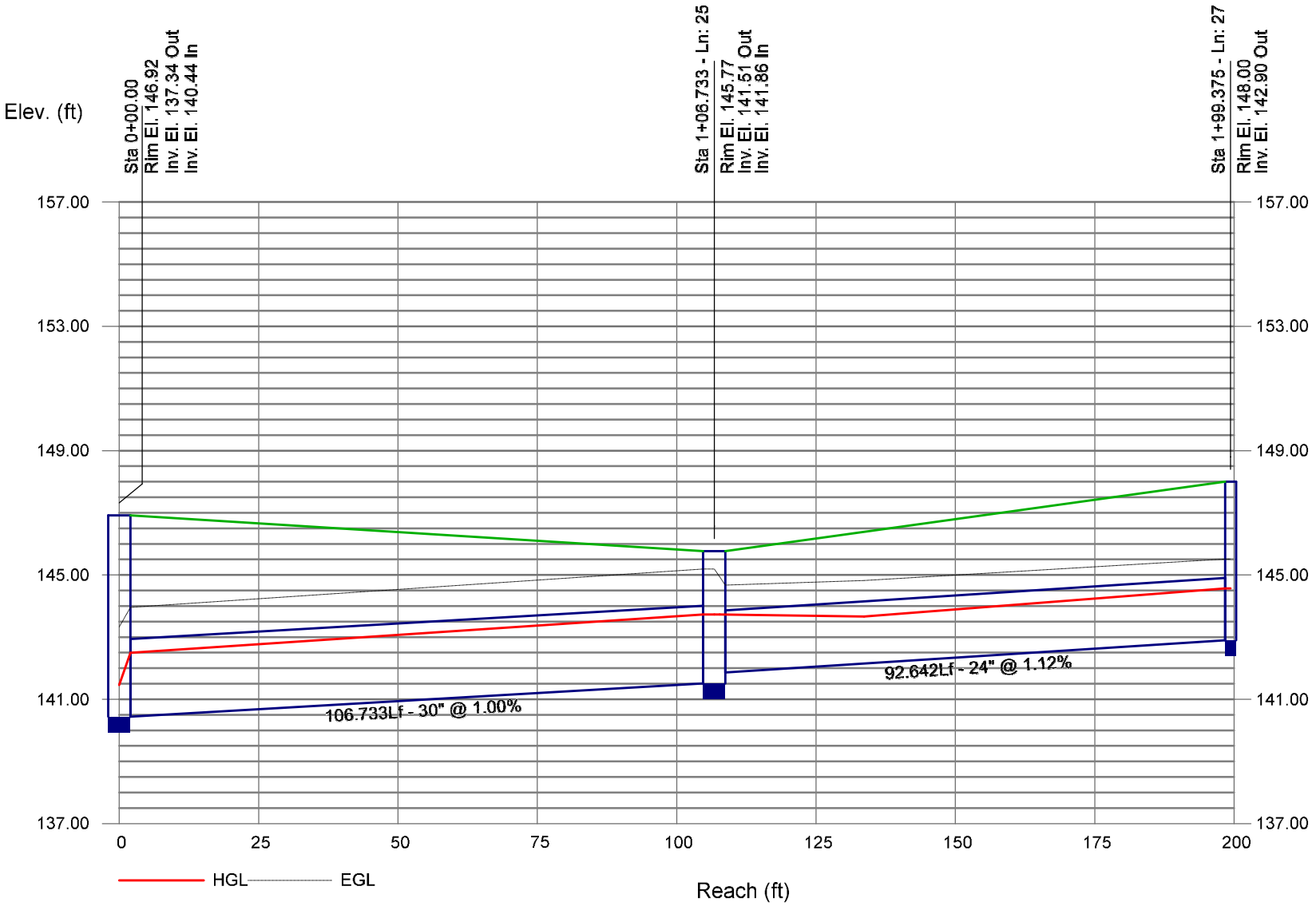


Storm Sewer Profile

Proj. file: 18-28-outflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan

Project File: 18-inflow.stm	Number of lines: 11	Date: 9/25/2025

Storm Sewer Tabulation

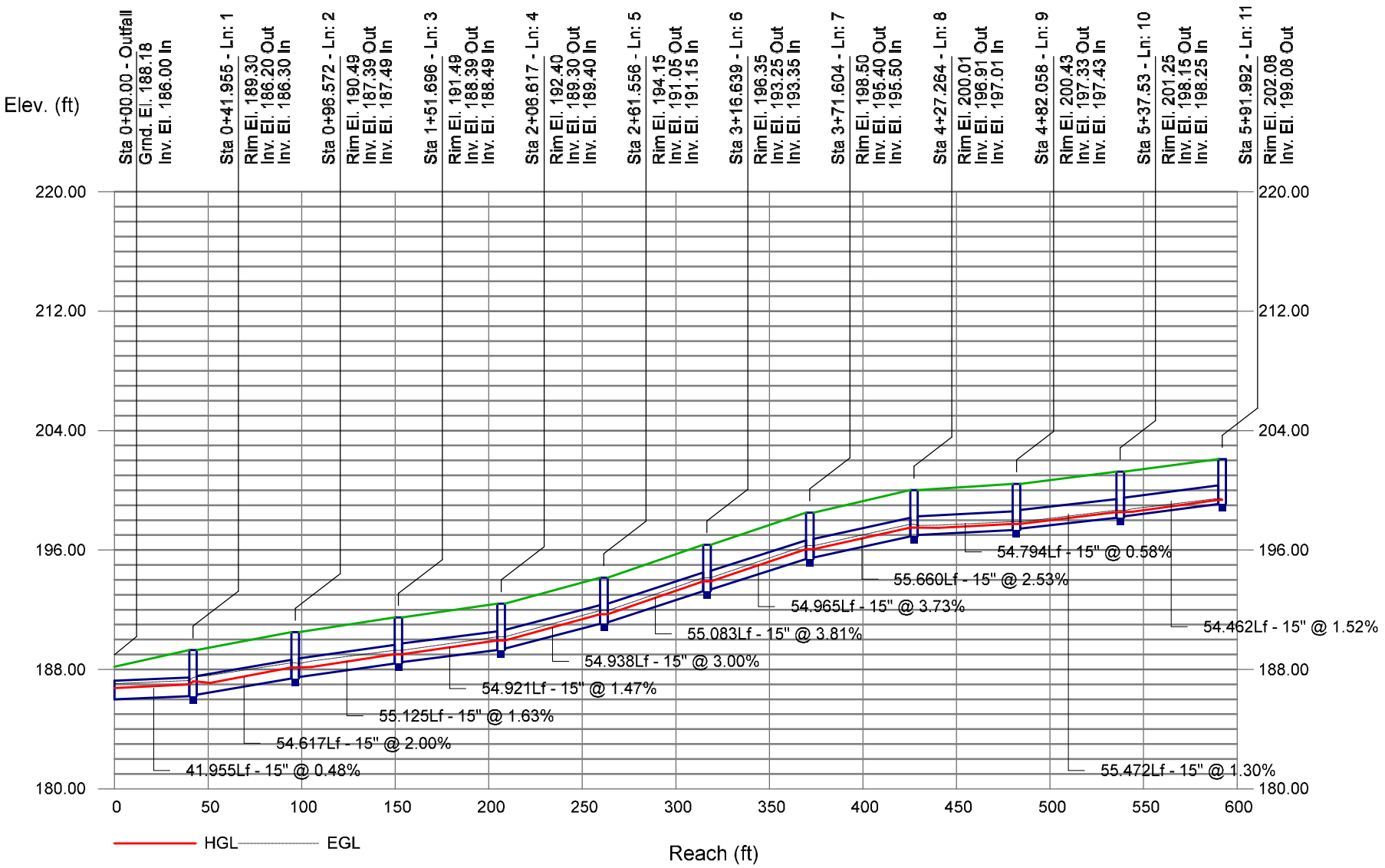
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	41.955	0.00	0.80	0.74	0.00	0.59	10.0	17.0	5.7	3.39	4.83	4.30	15	0.48	186.00	186.20	186.74	186.99	188.18	189.30	Proposed Storm-P
2	1	54.617	0.22	0.80	0.74	0.16	0.59	10.0	16.7	5.8	3.42	9.88	4.07	15	2.00	186.30	187.39	187.19	188.14	189.30	190.49	Pipe - (323)
3	2	55.125	0.00	0.58	0.74	0.00	0.43	10.0	16.3	5.8	2.50	8.94	3.97	15	1.63	187.49	188.39	188.14	189.02	190.49	191.49	Pipe - (322)
4	3	54.921	0.00	0.58	0.74	0.00	0.43	10.0	15.9	5.9	2.53	8.50	4.55	15	1.47	188.49	189.30	189.02	189.94	191.49	192.40	Pipe - (321)
5	4	54.938	0.00	0.58	0.74	0.00	0.43	10.0	15.5	6.0	2.56	12.12	4.56	15	3.00	189.40	191.05	189.94	191.69	192.40	194.15	Pipe - (320)
6	5	55.083	0.00	0.58	0.74	0.00	0.43	10.0	15.1	6.0	2.58	13.66	4.57	15	3.81	191.15	193.25	191.69	193.89	194.15	196.35	Pipe - (319)
7	6	54.965	0.10	0.58	0.74	0.07	0.43	10.0	14.7	6.1	2.61	13.51	4.58	15	3.73	193.35	195.40	193.89	196.05	196.35	198.50	Pipe - (318)
8	7	55.660	0.24	0.48	0.74	0.18	0.36	10.0	14.2	6.2	2.19	11.13	4.04	15	2.53	195.50	196.91	196.05	197.50	198.50	200.01	Pipe - (317)
9	8	54.794	0.04	0.24	0.74	0.03	0.18	10.0	13.3	6.3	1.12	5.35	2.82	15	0.58	197.01	197.33	197.50	197.75	200.01	200.43	Pipe - (315)
10	9	55.472	0.10	0.20	0.74	0.07	0.15	10.0	12.2	6.5	0.96	7.97	3.47	15	1.30	197.43	198.15	197.75	198.54	200.43	201.25	Pipe - (314)
11	10	54.462	0.10	0.10	0.74	0.07	0.07	10.0	10.0	6.9	0.51	8.64	2.48	15	1.52	198.25	199.08	198.54	199.36	201.25	202.08	Pipe - (313)

Project File: 18-inflow.stm | Number of lines: 11 | Run Date: 9/25/2025

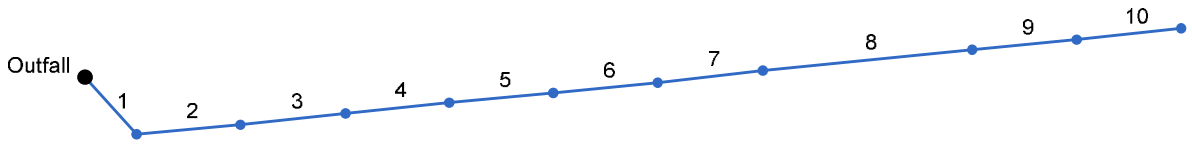
NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 18-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Project File: 19A-inflow.stm	Number of lines: 10	Date: 9/25/2025

Storm Sewer Tabulation

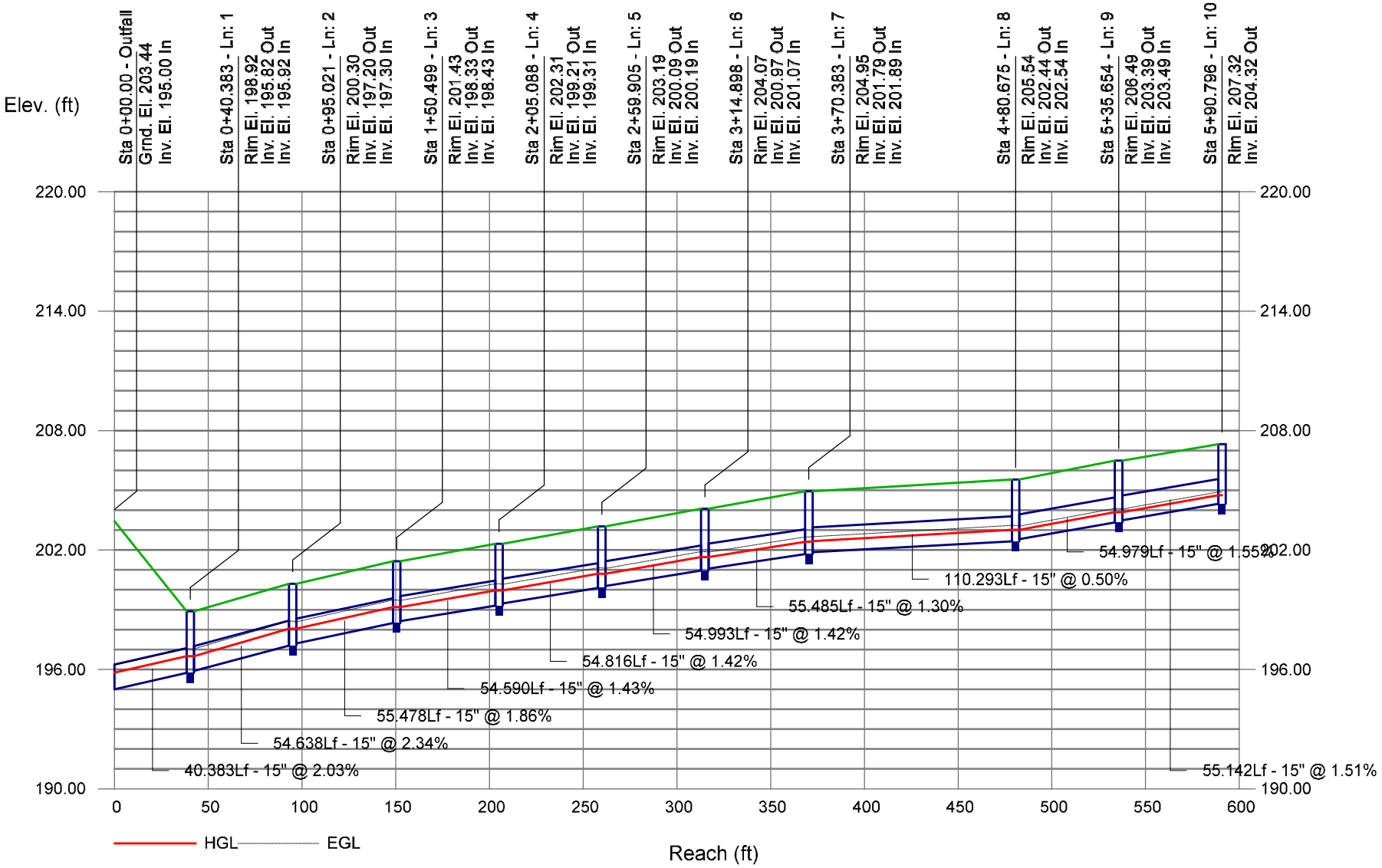
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	40.383	0.00	0.96	0.00	0.00	0.71	10.0	14.6	6.1	4.32	9.97	4.92	15	2.03	195.00	195.82	195.84	196.66	203.44	198.92	Pipe - (337)
2	1	54.638	0.09	0.96	0.74	0.07	0.71	10.0	14.4	6.1	4.35	10.71	5.33	15	2.34	195.92	197.20	196.66	198.04	198.92	200.30	Pipe - (336)
3	2	55.478	0.09	0.87	0.74	0.07	0.64	10.0	14.1	6.2	3.97	9.53	4.98	15	1.86	197.30	198.33	198.04	199.14	200.30	201.43	Pipe - (335)
4	3	54.590	0.09	0.78	0.74	0.07	0.58	10.0	13.8	6.2	3.59	8.36	4.80	15	1.43	198.43	199.21	199.14	199.97	201.43	202.31	Pipe - (334)
5	4	54.816	0.09	0.69	0.74	0.07	0.51	10.0	13.5	6.3	3.20	8.34	4.61	15	1.42	199.31	200.09	199.97	200.81	202.31	203.19	Pipe - (333)
6	5	54.993	0.09	0.60	0.74	0.07	0.44	10.0	13.1	6.3	2.82	8.33	4.41	15	1.42	200.19	200.97	200.81	201.64	203.19	204.07	Pipe - (332)
7	6	55.485	0.09	0.51	0.74	0.07	0.38	10.0	12.6	6.4	2.42	7.97	4.19	15	1.30	201.07	201.79	201.64	202.41	204.07	204.95	Pipe - (331)
8	7	110.293	0.09	0.42	0.74	0.07	0.31	10.0	11.6	6.6	2.06	4.94	3.80	15	0.50	201.89	202.44	202.45	203.01	204.95	205.54	Pipe - (312)
9	8	54.979	0.09	0.33	0.74	0.07	0.24	10.0	10.9	6.8	1.65	8.70	3.70	15	1.55	202.54	203.39	203.01	203.90	205.54	206.49	Pipe - (311)
10	9	55.142	0.24	0.24	0.74	0.18	0.18	10.0	10.0	6.9	1.23	8.58	3.38	15	1.51	203.49	204.32	203.90	204.76	206.49	207.32	Pipe - (310)

Project File: 19A-inflow.stm | Number of lines: 10 | Run Date: 9/25/2025

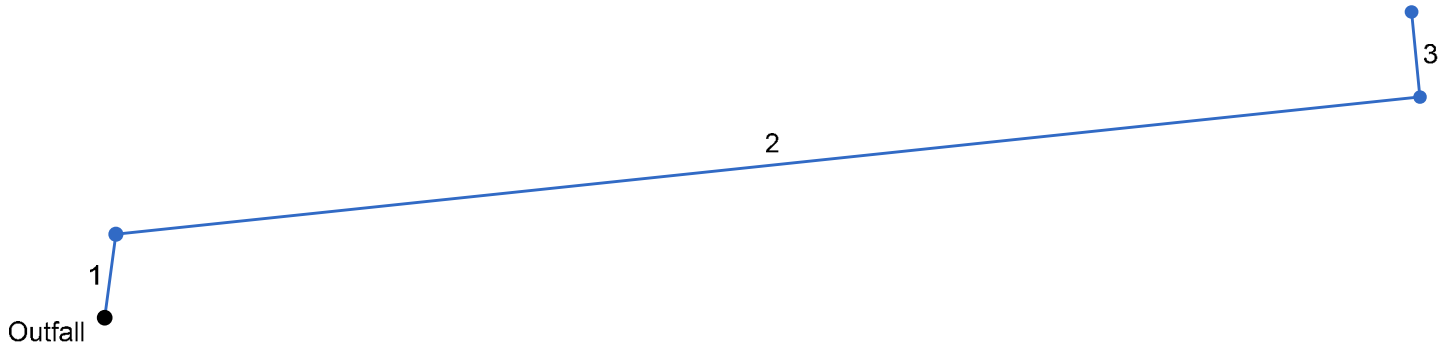
NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 19A-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Tabulation

Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	27.561	0.00	1.56	0.00	0.00	1.53	0.0	11.3	6.7	10.21	16.22	6.59	18	2.03	194.75	195.31	195.98	196.54	196.94	205.67	Pipe - (309) (1)
2	1	427.799	0.72	1.56	0.98	0.71	1.53	10.0	10.1	6.9	10.59	15.52	7.07	18	1.86	195.41	203.37	196.54	204.62	205.67	207.00	Pipe - (309)
3	2	28.000	0.84	0.84	0.98	0.82	0.82	10.0	10.0	6.9	5.72	7.00	5.83	15	1.00	203.72	204.00	204.62	204.97	207.00	207.00	Pipe - (308)

Project File: 19b-inflow.stm

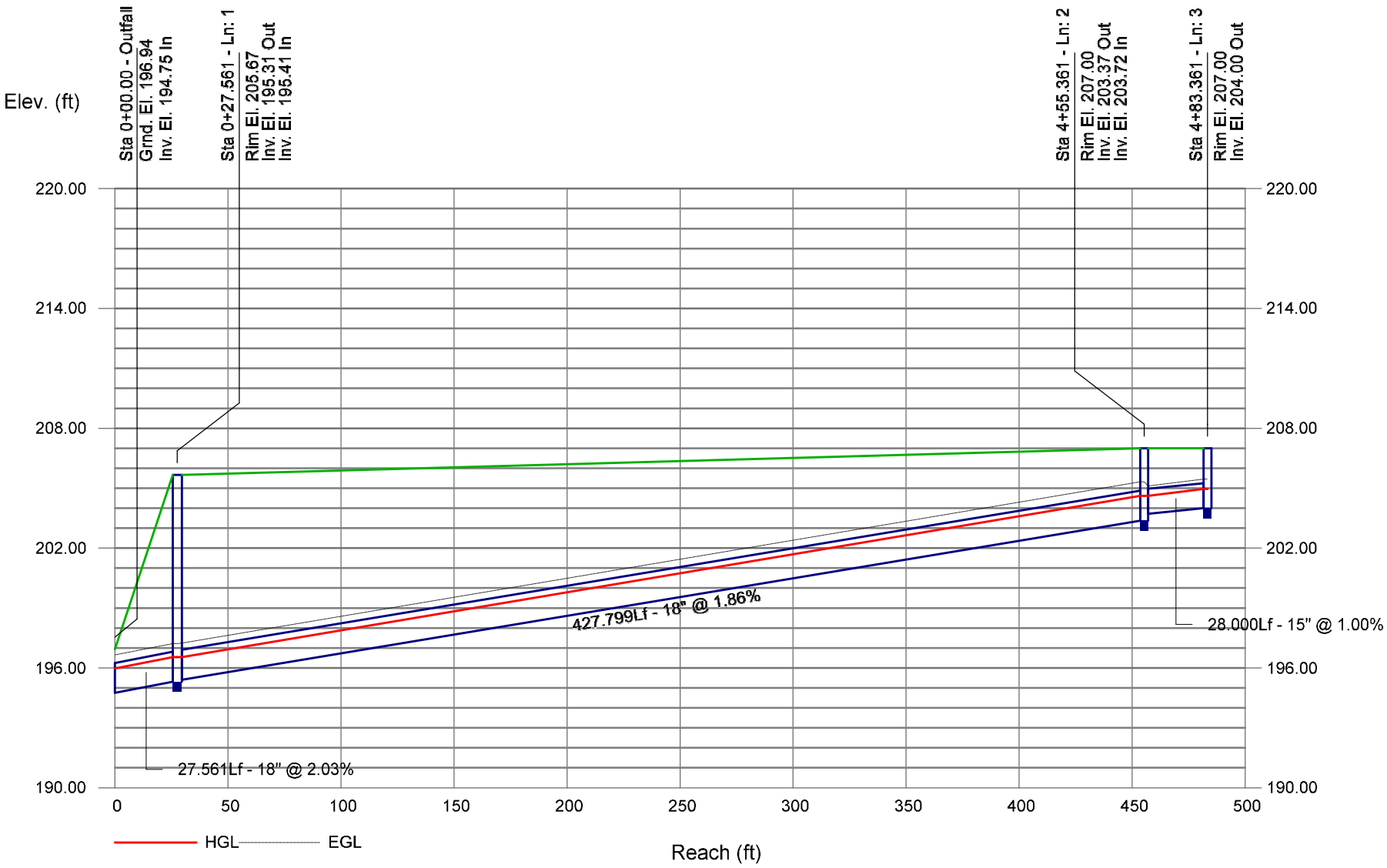
Number of lines: 3

Run Date: 9/25/2025

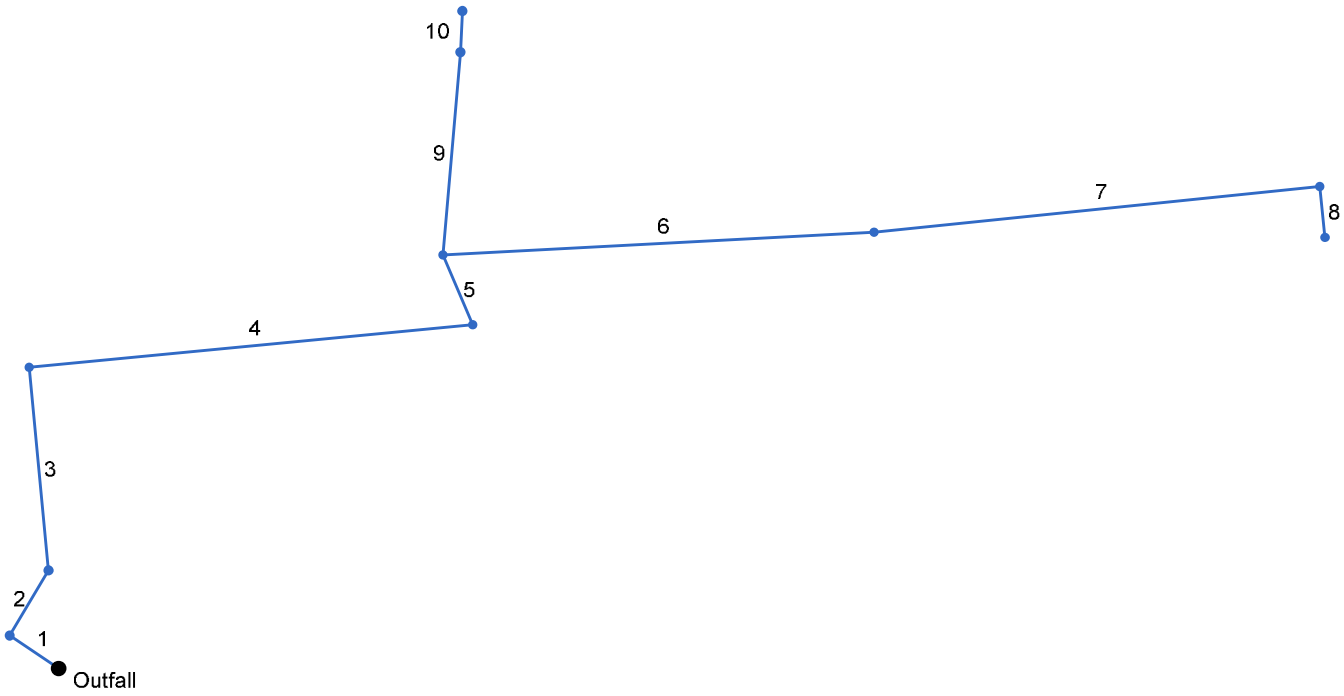
NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 19b-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Project File: 20-inflow.stm	Number of lines: 10	Date: 9/25/2025

Storm Sewer Tabulation

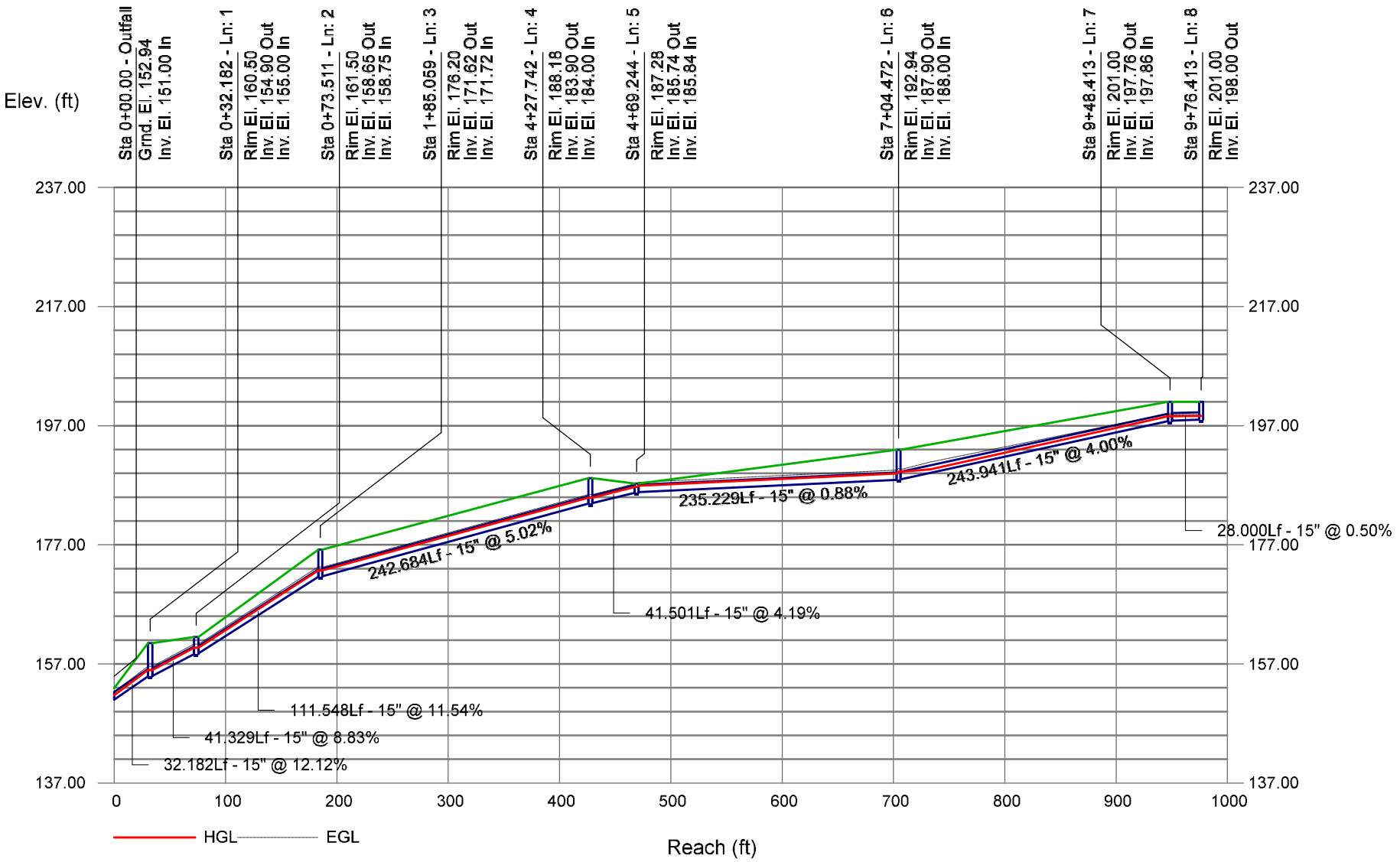
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	32.182	0.00	1.96	0.00	0.00	1.92	0.0	42.0	3.6	6.94	24.35	7.81	15	12.12	151.00	154.90	151.73	155.96	152.94	160.50	Pipe - (330)
2	1	41.329	0.00	1.96	0.00	0.00	1.92	0.0	41.9	3.6	6.95	20.79	6.59	15	8.83	155.00	158.65	155.96	159.71	160.50	161.50	Pipe - (329)
3	2	111.548	0.21	1.96	0.98	0.21	1.92	0.0	41.7	3.6	6.97	23.76	6.61	15	11.54	158.75	171.62	159.71	172.68	161.50	176.20	Pipe - (328)
4	3	242.684	0.08	1.75	0.98	0.08	1.71	10.0	41.2	3.7	6.26	15.67	6.05	15	5.02	171.72	183.90	172.68	184.91	176.20	188.18	Pipe - (327)
5	4	41.501	0.62	1.67	0.98	0.61	1.63	10.0	41.2	3.7	5.98	14.32	6.00	15	4.19	184.00	185.74	184.91	186.73	188.18	187.28	Pipe - (326)
6	5	235.229	0.39	1.03	0.98	0.38	1.01	10.0	11.4	6.7	6.72	6.55	6.07	15	0.88	185.84	187.90	186.90	188.96	187.28	192.94	Pipe - (342)
7	6	243.941	0.29	0.64	0.98	0.28	0.63	10.0	10.2	6.9	4.32	13.99	4.22	15	4.00	188.00	197.76	189.24	198.60	192.94	201.00	Pipe - (102)
8	7	28.000	0.35	0.35	0.98	0.34	0.34	10.0	10.0	6.9	2.38	4.95	3.54	15	0.50	197.86	198.00	198.60	198.62	201.00	201.00	Pipe - (103)
9	5	111.328	0.01	0.02	0.74	0.01	0.01	10.0	18.9	5.5	0.08	13.14	0.82	15	3.53	185.84	189.77	186.73	189.88	187.28	192.87	Pipe - (325)
10	9	22.439	0.01	0.01	0.74	0.01	0.01	10.0	10.0	6.9	0.05	15.63	2.14	15	4.99	189.87	190.99	189.92	191.08	192.87	193.99	Pipe - (340)

Project File: 20-inflow.stm | Number of lines: 10 | Run Date: 9/25/2025

NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

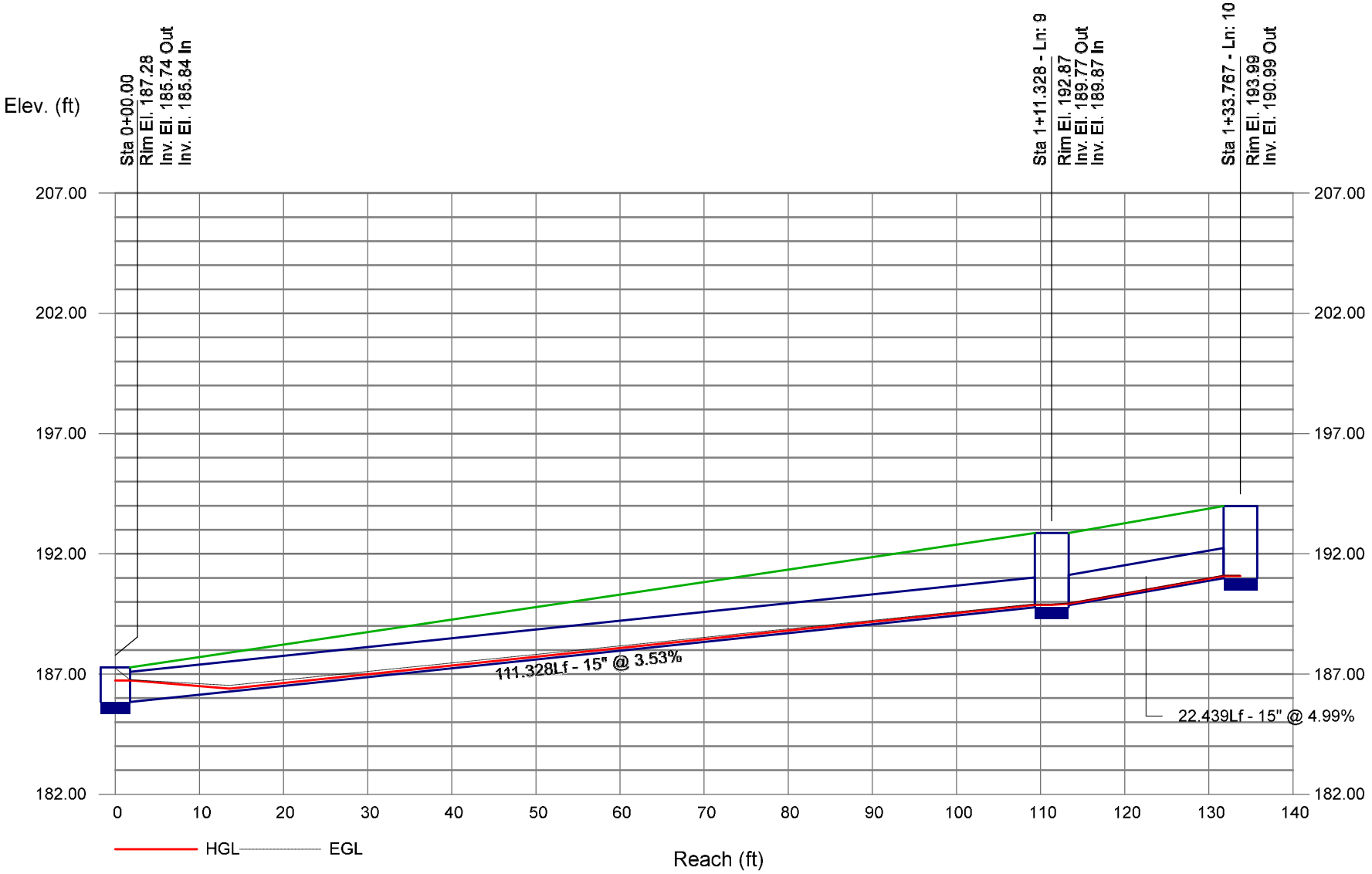
Storm Sewer Profile

Proj. file: 20-inflow.stm

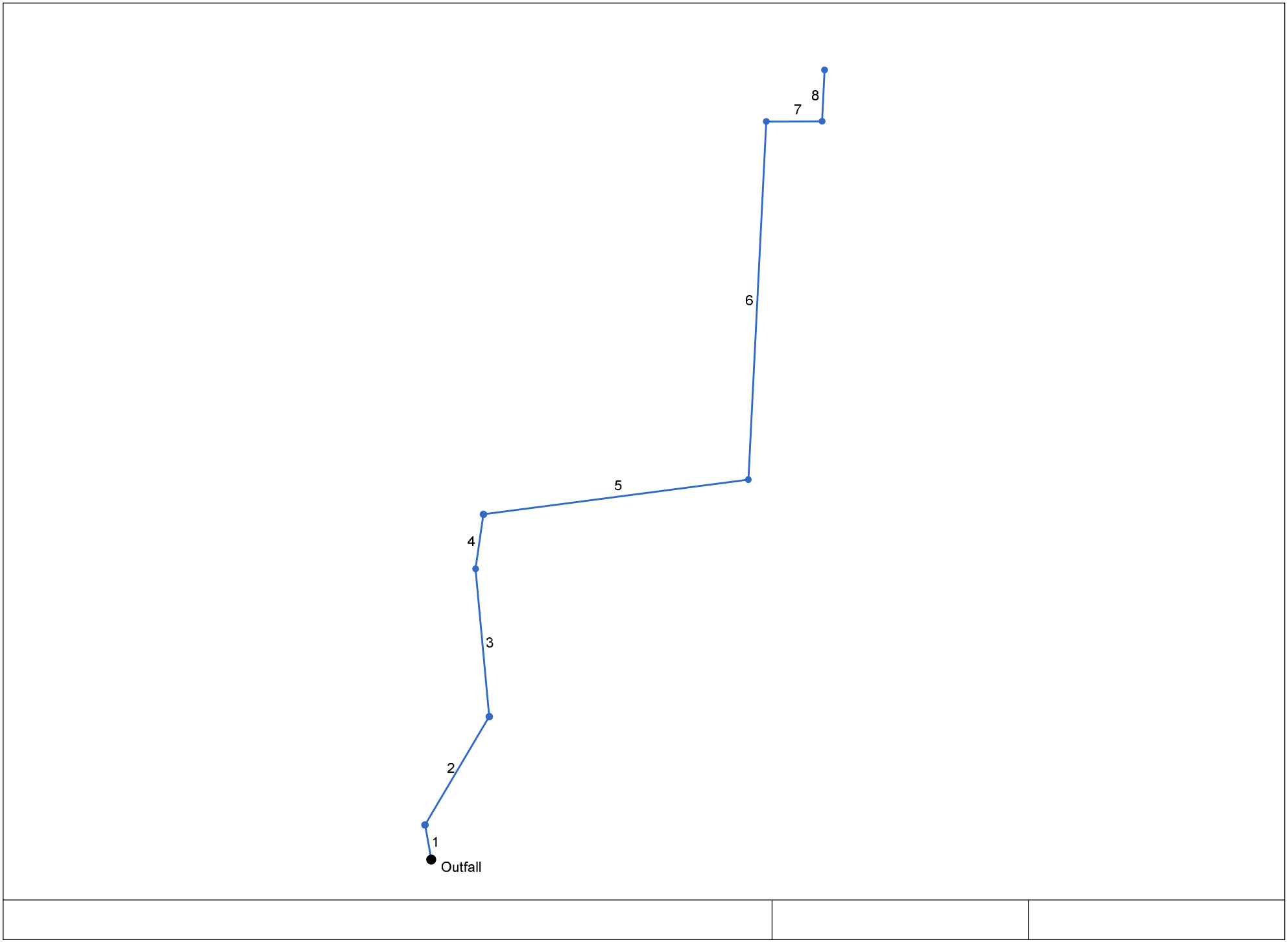


Storm Sewer Profile

Proj. file: 20-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Tabulation

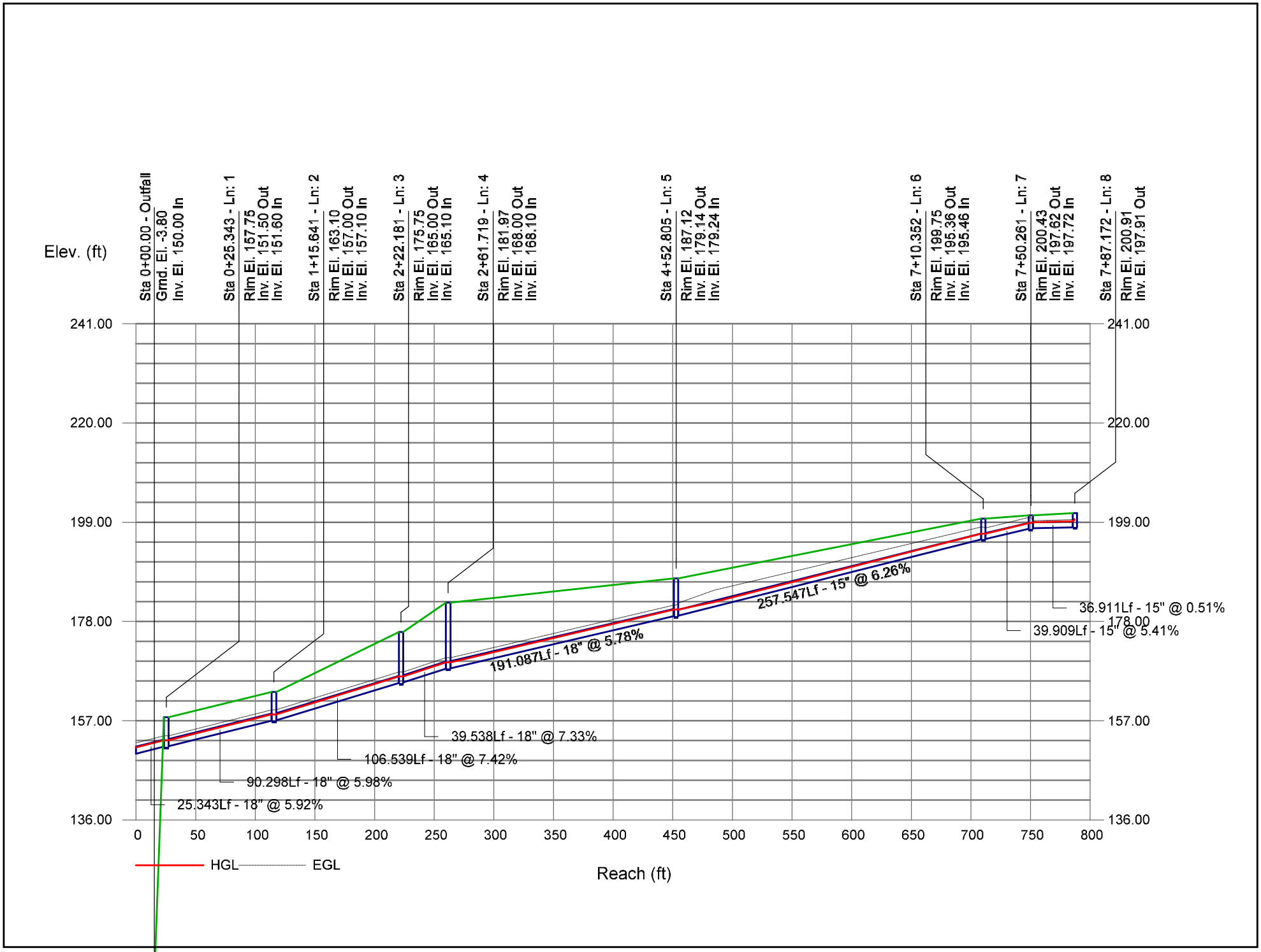
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	25.343	0.00	2.01	0.00	0.00	1.97	0.0	11.7	6.6	13.01	27.68	7.77	18	5.92	150.00	151.50	151.35	152.85	-3.80	157.75	Proposed Storm-P
2	1	90.298	0.00	2.01	0.00	0.00	1.97	0.0	11.4	6.6	13.10	27.82	8.06	18	5.98	151.60	157.00	152.85	158.35	157.75	163.10	Proposed Storm-P
3	2	106.539	0.01	2.01	0.98	0.01	1.97	10.0	11.2	6.7	13.19	30.98	8.11	18	7.42	157.10	165.00	158.35	166.36	163.10	175.75	Proposed Storm-P
4	3	39.538	0.00	2.00	0.00	0.00	1.96	0.0	11.1	6.7	13.16	30.81	8.08	18	7.33	165.10	168.00	166.36	169.36	175.75	181.97	Proposed Storm-P
5	4	191.087	0.29	2.00	0.98	0.28	1.96	10.0	10.7	6.8	13.34	27.34	8.18	18	5.78	168.10	179.14	169.36	180.50	181.97	187.12	Pipe - (343)
6	5	257.547	0.15	1.71	0.98	0.15	1.68	10.0	10.2	6.9	11.56	17.50	9.47	15	6.26	179.24	195.36	180.50	196.57	187.12	199.75	Pipe - (339)
7	6	39.909	0.72	1.56	0.98	0.71	1.53	10.0	10.1	6.9	10.57	16.27	8.96	15	5.41	195.46	197.62	196.57	198.82	199.75	200.43	Pipe - (341)
8	7	36.911	0.84	0.84	0.98	0.82	0.82	10.0	10.0	6.9	5.72	5.02	4.66	15	0.51	197.72	197.91	198.97	199.22	200.43	200.91	Pipe - (338)

Project File: 21-inflow.stm | Number of lines: 8 | Run Date: 9/25/2025

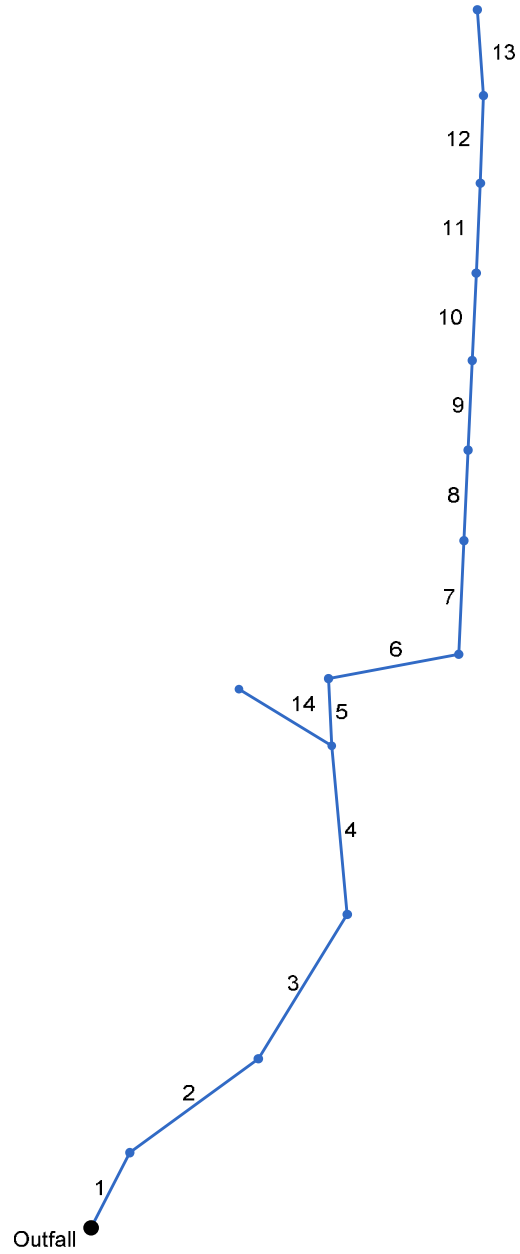
NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 21-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Project File: 22-inflow.stm	Number of lines: 14	Date: 9/25/2025

Storm Sewer Tabulation

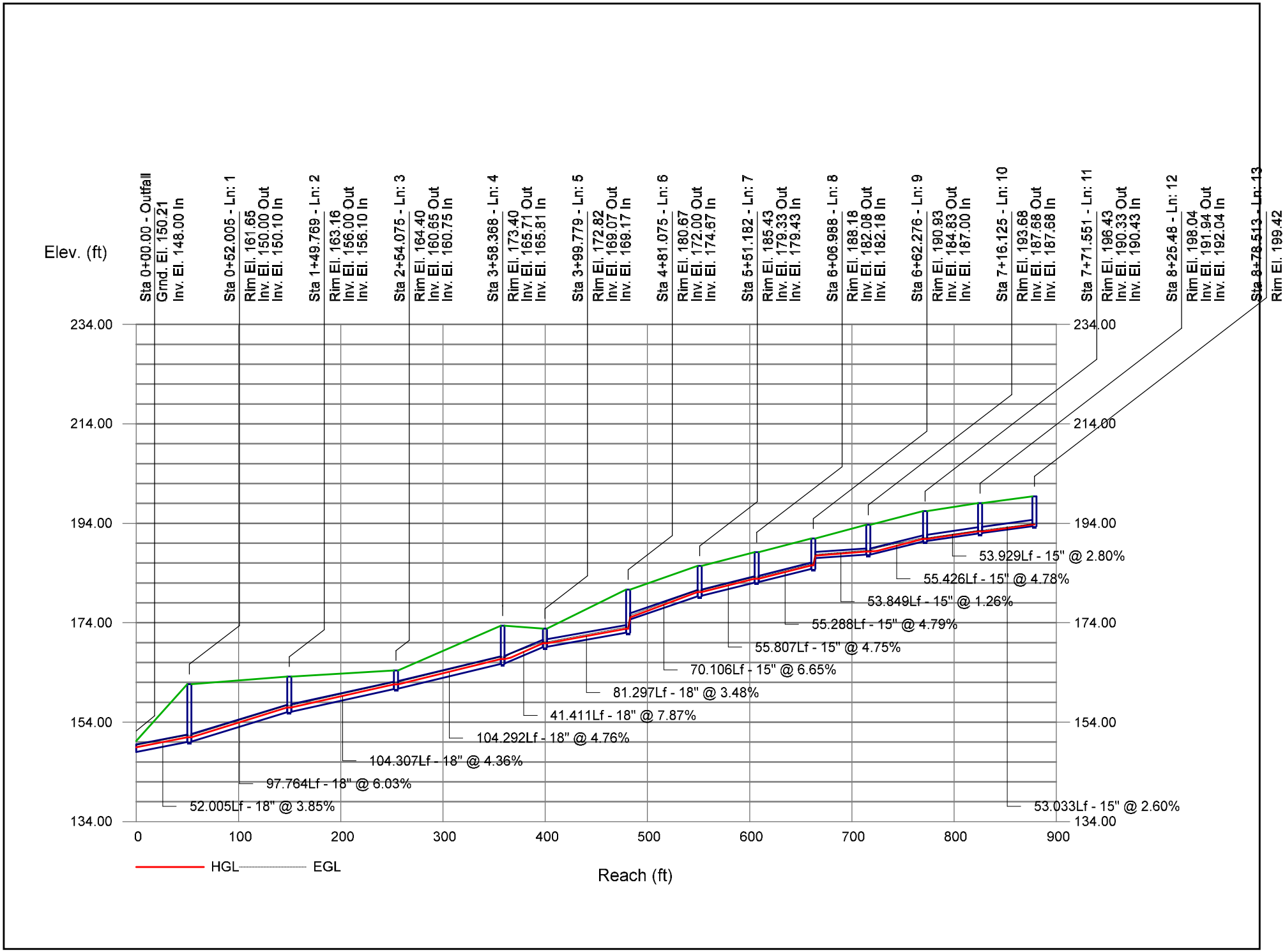
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	52.005	0.00	1.29	0.00	0.00	1.04	0.0	16.4	5.8	6.06	22.31	5.14	18	3.85	148.00	150.00	148.95	150.95	150.21	161.65	Pipe - (357)
2	1	97.764	0.00	1.29	0.00	0.00	1.04	0.0	16.0	5.9	6.13	27.95	5.54	18	6.03	150.10	156.00	150.95	156.96	161.65	163.16	Pipe - (356)
3	2	104.307	0.00	1.29	0.00	0.00	1.04	0.0	15.5	5.9	6.20	23.76	5.57	18	4.36	156.10	160.65	156.96	161.61	163.16	164.40	Pipe - (356) (1)
4	3	104.292	0.00	1.29	0.00	0.00	1.04	0.0	15.1	6.0	6.28	24.81	5.59	18	4.76	160.75	165.71	161.61	166.68	164.40	173.40	Pipe - (355)
5	4	41.411	0.00	0.92	0.00	0.00	0.68	0.0	14.8	6.1	4.13	31.92	4.18	18	7.87	165.81	169.07	166.68	169.85	173.40	172.82	Proposed Storm-P
6	5	81.297	0.00	0.92	0.00	0.00	0.68	0.0	14.2	6.1	4.18	21.23	4.94	18	3.48	169.17	172.00	169.85	172.78	172.82	180.67	Pipe - (365)
7	6	70.106	0.13	0.92	0.74	0.10	0.68	10.0	13.9	6.2	4.22	18.04	8.43	15	6.65	174.67	179.33	175.08	180.16	180.67	185.43	Pipe - (364)
8	7	55.807	0.13	0.79	0.74	0.10	0.58	10.0	13.6	6.2	3.65	15.24	4.75	15	4.75	179.43	182.08	180.16	182.85	185.43	188.18	Pipe - (363)
9	8	55.288	0.13	0.66	0.74	0.10	0.49	10.0	13.3	6.3	3.08	15.32	4.45	15	4.79	182.18	184.83	182.85	185.54	188.18	190.93	Pipe - (362)
10	9	53.849	0.13	0.53	0.74	0.10	0.39	10.0	12.9	6.4	2.50	7.86	4.85	15	1.26	187.00	187.68	187.49	188.31	190.93	193.68	Pipe - (361)
11	10	55.426	0.13	0.40	0.74	0.10	0.30	10.0	12.3	6.5	1.92	15.30	3.38	15	4.78	187.68	190.33	188.31	190.88	193.68	196.43	Pipe - (360)
12	11	53.929	0.13	0.27	0.74	0.10	0.20	10.0	11.5	6.6	1.33	11.71	3.31	15	2.80	190.43	191.94	190.88	192.39	196.43	198.04	Pipe - (359)
13	12	53.033	0.14	0.14	0.74	0.10	0.10	10.0	10.0	6.9	0.72	11.28	2.64	15	2.60	192.04	193.42	192.39	193.75	198.04	199.42	Pipe - (358)
14	4	66.744	0.37	0.37	0.98	0.36	0.36	10.0	10.0	6.9	2.52	15.19	3.09	18	1.78	165.81	167.00	166.68	167.60	173.40	172.80	Pipe - (353)

Project File: 22-inflow.stm | Number of lines: 14 | Run Date: 9/25/2025

NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

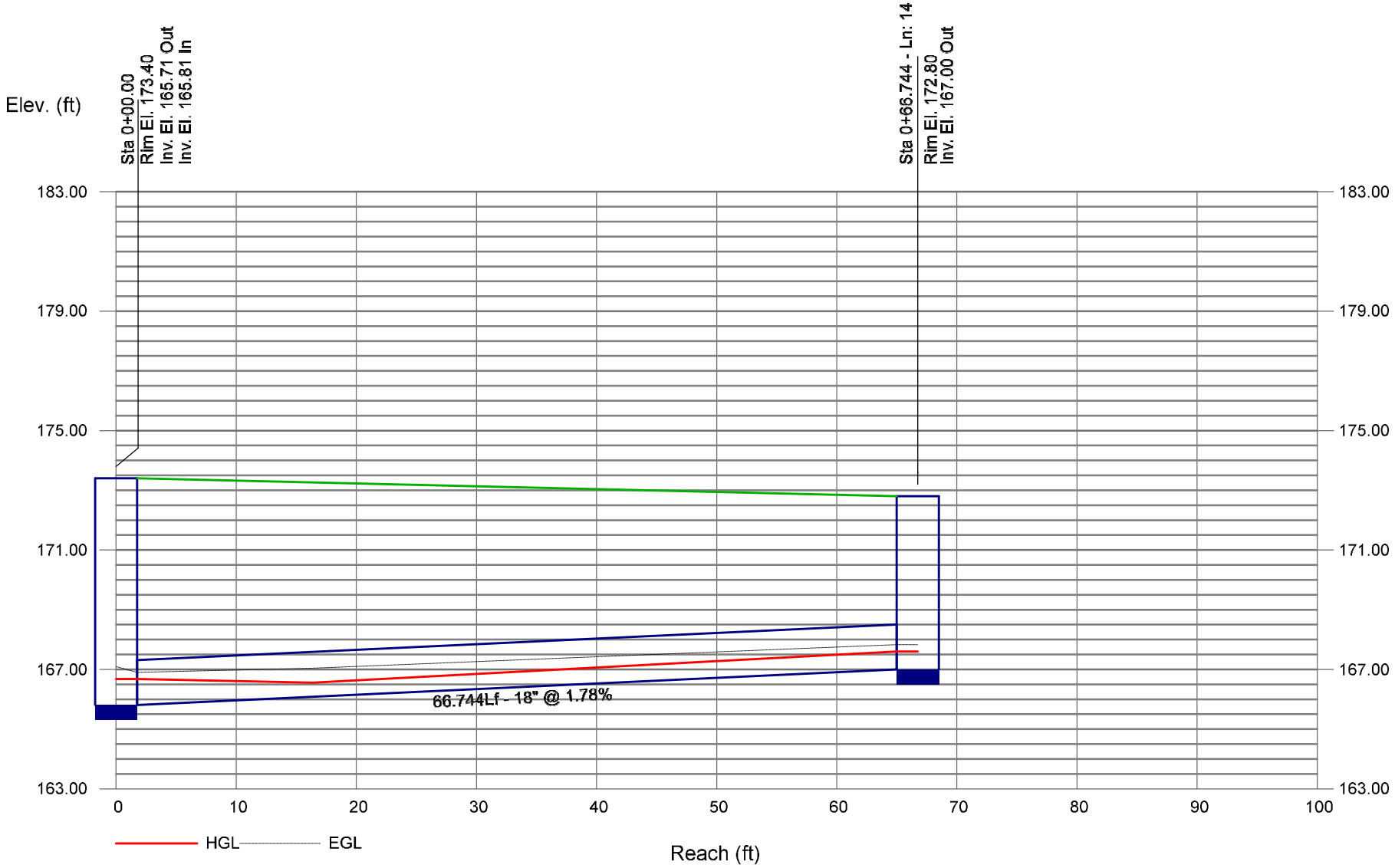
Storm Sewer Profile

Proj. file: 22-inflow.stm

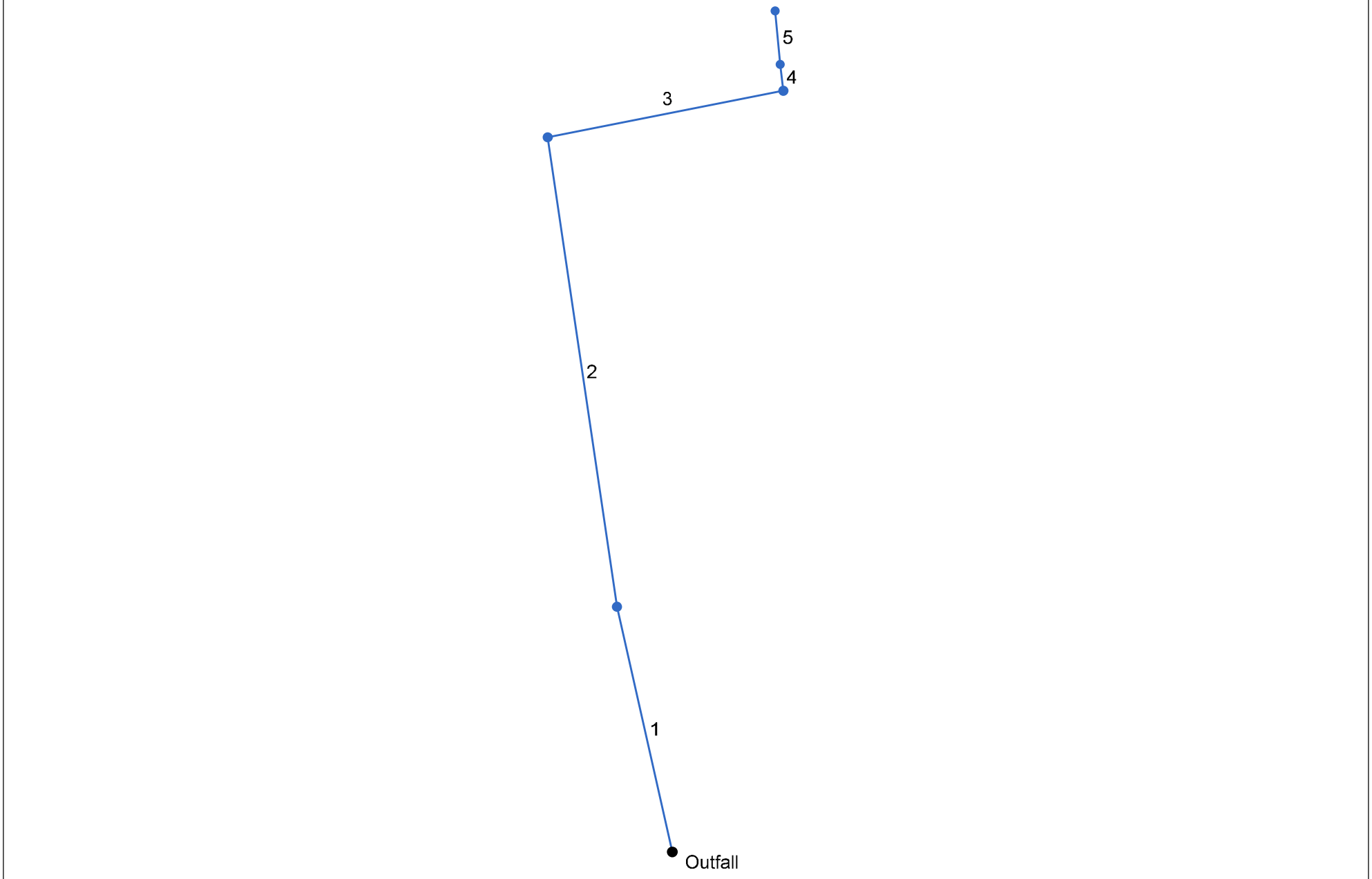


Storm Sewer Profile

Proj. file: 22-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Project File: 23-inflow.stm	Number of lines: 5	Date: 9/25/2025

Storm Sewer Tabulation

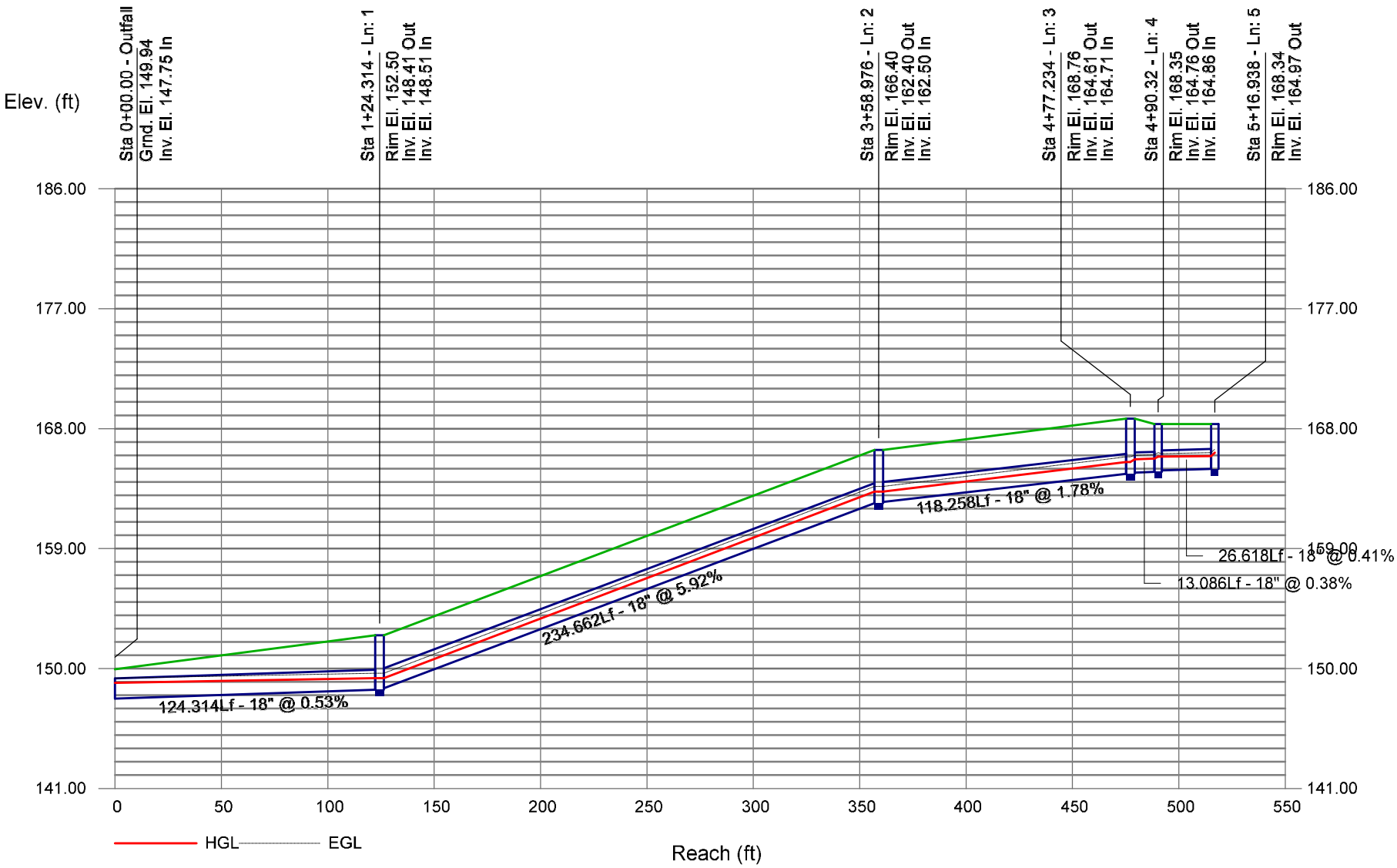
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	124.314	0.00	0.80	0.00	0.00	0.78	0.0	12.2	6.5	5.10	8.29	4.13	18	0.53	147.75	148.41	148.92	149.28	149.94	152.50	Pipe - (447)
2	1	234.662	0.00	0.80	0.00	0.00	0.78	0.0	10.9	6.8	5.30	27.68	5.35	18	5.92	148.51	162.40	149.28	163.29	152.50	166.40	Pipe - (446)
3	2	118.258	0.00	0.80	0.00	0.00	0.78	0.0	10.2	6.9	5.41	15.20	5.34	18	1.78	162.50	164.61	163.29	165.51	166.40	168.76	Pipe - (445)
4	3	13.086	0.08	0.80	0.98	0.08	0.78	10.0	10.2	6.9	5.42	7.03	4.39	18	0.38	164.71	164.76	165.70	165.75	168.76	168.35	Proposed Storm-P
5	4	26.618	0.72	0.72	0.98	0.71	0.71	10.0	10.0	6.9	4.90	7.31	3.90	18	0.41	164.86	164.97	165.90	165.94	168.35	168.34	Pipe - (444)

Project File: 23-inflow.stm | Number of lines: 5 | Run Date: 9/25/2025

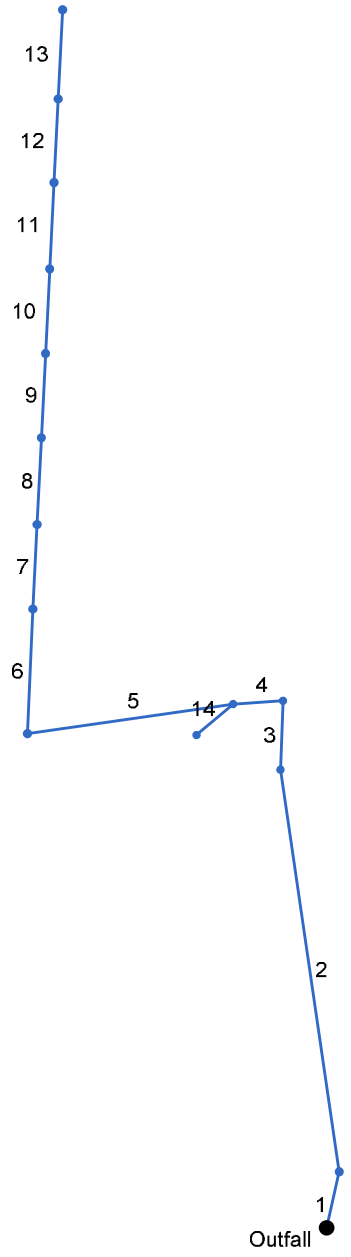
NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 23-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Tabulation

Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	36.887	0.00	2.28	0.00	0.00	1.89	0.0	15.2	6.0	11.33	12.10	5.22	24	0.24	143.16	143.25	144.38	144.66	145.85	147.75	Proposed Storm-P
2	1	260.981	0.05	2.28	0.98	0.05	1.89	10.0	14.1	6.2	11.68	60.29	5.28	24	6.05	143.35	159.15	144.80	160.38	147.75	169.52	Pipe - (412)
3	2	44.429	0.26	2.23	0.98	0.25	1.84	10.0	13.9	6.2	11.44	25.99	6.01	24	1.13	159.25	159.75	160.38	160.96	169.52	170.46	Pipe - (410)
4	3	31.950	0.28	1.97	0.98	0.27	1.59	10.0	13.7	6.2	9.91	17.34	5.57	24	0.50	165.83	165.99	166.91	167.11	170.46	170.25	Pipe - (413)
5	4	132.976	0.15	1.43	0.74	0.11	1.06	10.0	13.3	6.3	6.68	8.56	6.92	15	1.50	166.84	168.83	167.67	169.87	170.25	171.72	Pipe - (422)
6	5	80.152	0.15	1.28	0.74	0.11	0.95	10.0	13.0	6.4	6.02	10.01	5.93	15	2.05	168.93	170.57	169.87	171.56	171.72	173.46	Pipe - (421)
7	6	54.425	0.15	1.13	0.74	0.11	0.84	10.0	12.8	6.4	5.34	13.74	5.57	15	3.86	170.67	172.77	171.56	173.71	173.46	175.66	Pipe - (420)
8	7	55.796	0.15	0.98	0.74	0.11	0.73	10.0	12.6	6.4	4.67	13.57	5.22	15	3.76	172.87	174.97	173.71	175.85	175.66	177.86	Pipe - (419)
9	8	54.172	0.15	0.83	0.74	0.11	0.61	10.0	12.3	6.5	3.98	13.77	4.87	15	3.88	175.07	177.17	175.85	177.98	177.86	180.06	Pipe - (418)
10	9	54.445	0.15	0.68	0.74	0.11	0.50	10.0	12.0	6.5	3.29	13.74	4.51	15	3.86	177.27	179.37	177.98	180.10	180.06	182.26	Pipe - (417)
11	10	55.593	0.15	0.53	0.74	0.11	0.39	10.0	11.6	6.6	2.60	13.60	4.12	15	3.78	179.47	181.57	180.10	182.22	182.26	184.46	Pipe - (416)
12	11	53.750	0.15	0.38	0.74	0.11	0.28	10.0	11.0	6.7	1.89	13.83	3.67	15	3.91	181.67	183.77	182.22	184.32	184.46	186.66	Pipe - (415)
13	12	57.338	0.23	0.23	0.74	0.17	0.17	10.0	10.0	6.9	1.18	10.57	3.09	15	2.28	183.87	185.18	184.32	185.61	186.66	187.97	Pipe - (414)
14	4	30.792	0.26	0.26	0.98	0.25	0.25	10.0	10.0	6.9	1.77	5.04	3.67	15	0.52	166.84	167.00	167.35	167.53	170.25	170.02	Proposed Storm-P

Project File: 24-inflow.stm

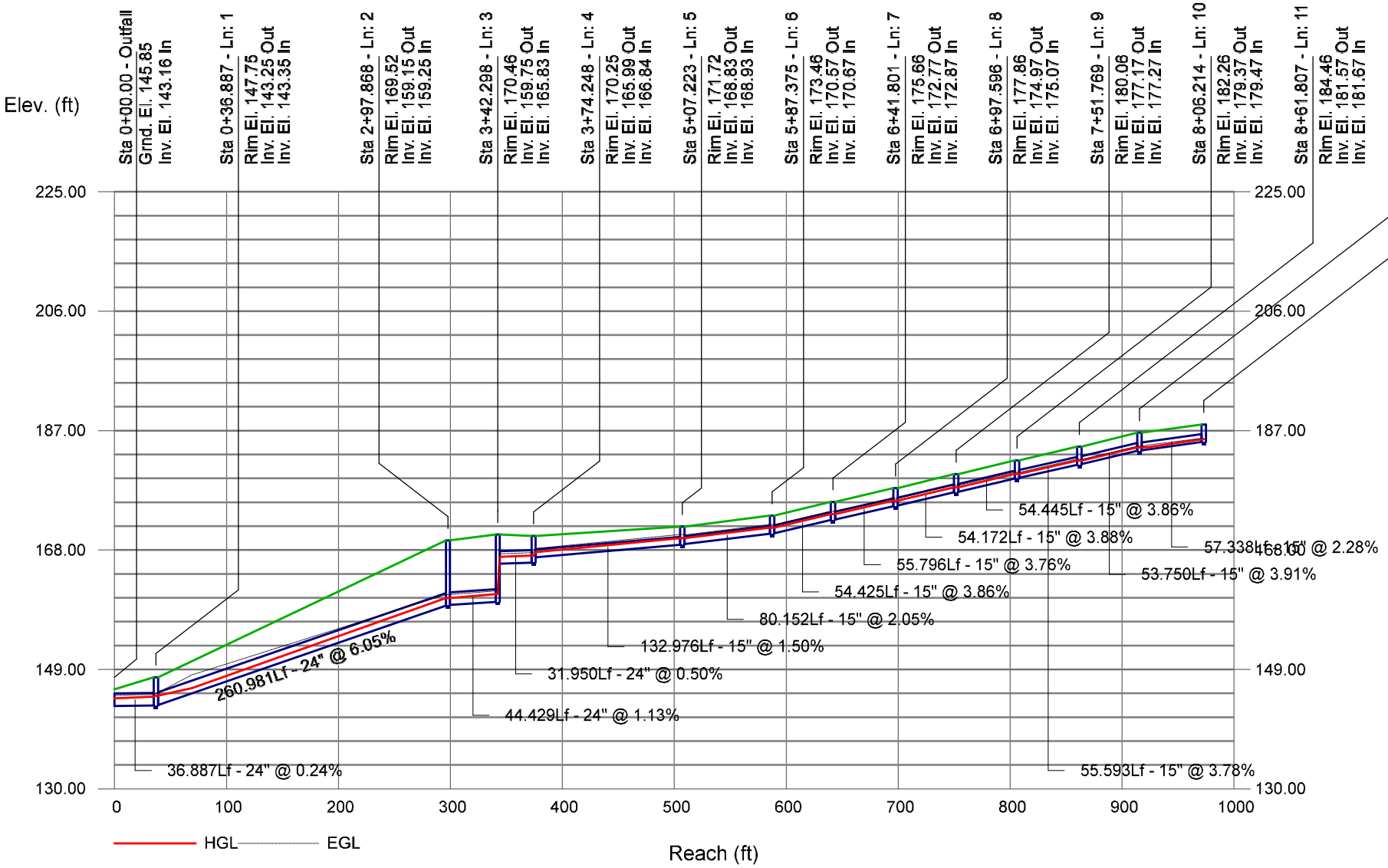
Number of lines: 14

Run Date: 9/25/2025

NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 24-inflow.stm



Storm Sewer Profile

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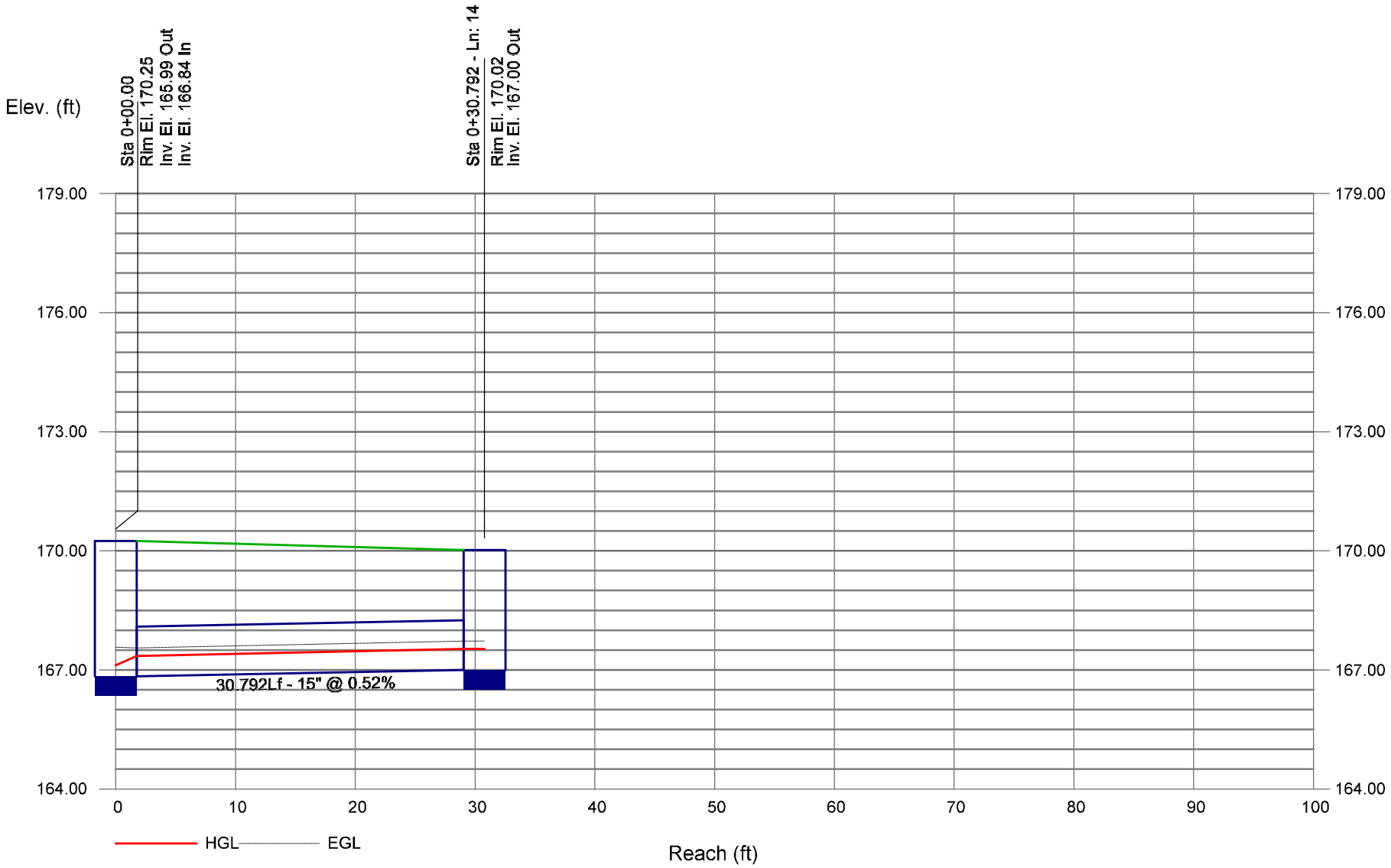
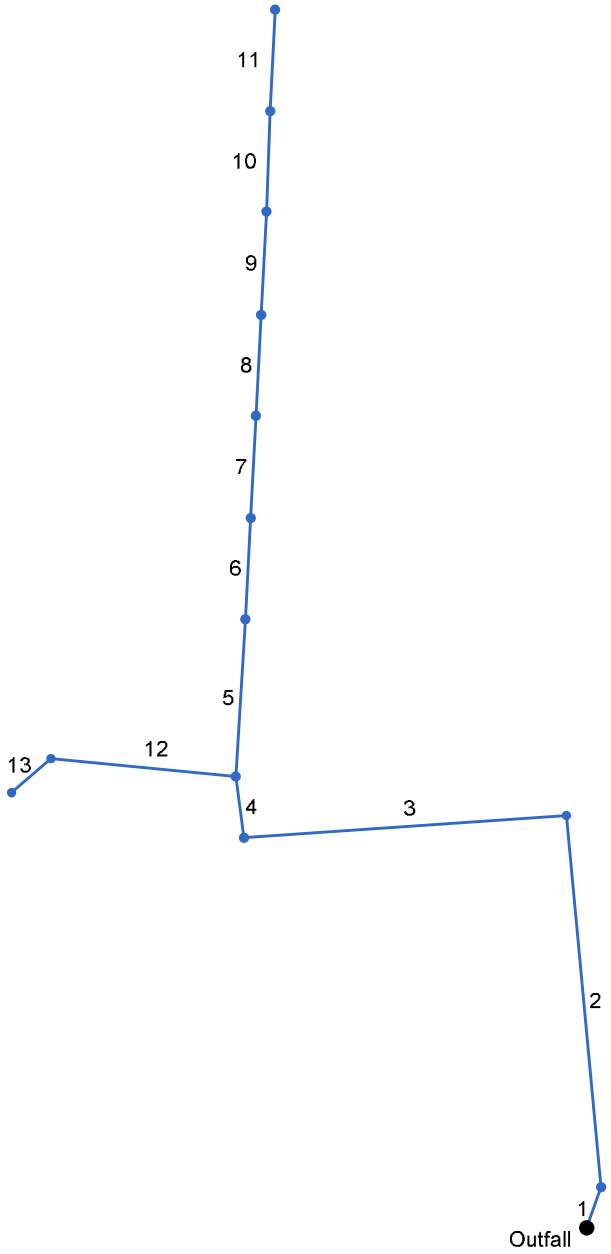


Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Tabulation

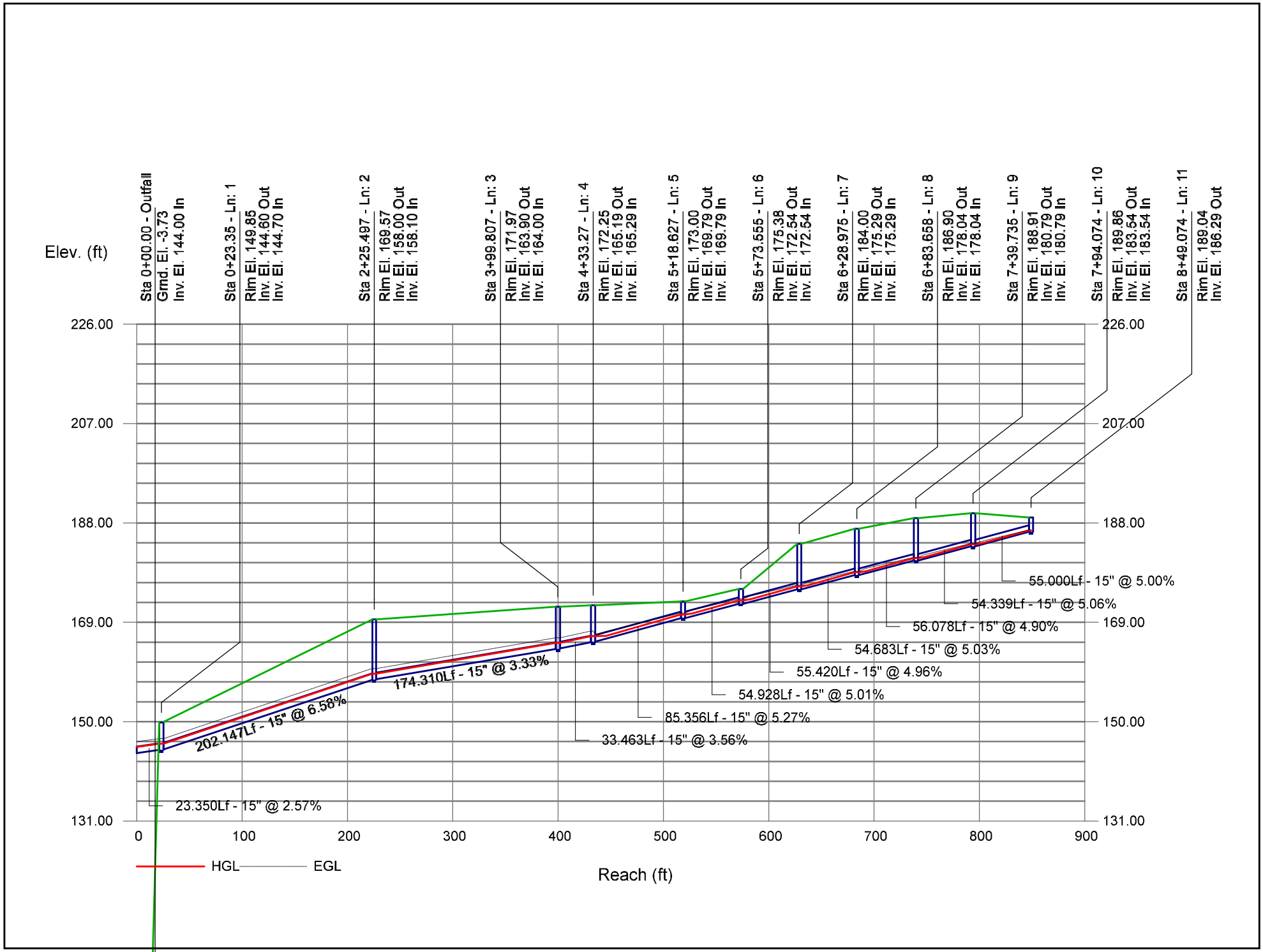
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	23.350	0.00	1.89	0.00	0.00	1.65	10.0	16.8	5.8	9.51	11.21	7.96	15	2.57	144.00	144.60	145.17	145.77	-3.73	0.00	Proposed Storm-P
2	1	202.147	0.05	1.89	0.74	0.04	1.65	10.0	16.4	5.8	9.61	17.94	8.31	15	6.58	144.70	158.00	145.77	159.17	0.00	169.57	Proposed Storm-P
3	2	174.310	0.00	1.84	0.00	0.00	1.61	10.0	16.0	5.9	9.47	12.76	8.19	15	3.33	158.10	163.90	159.17	165.07	169.57	171.97	Proposed Storm-P
4	3	33.463	0.09	1.84	0.74	0.07	1.61	10.0	15.9	5.9	9.49	13.19	8.22	15	3.56	164.00	165.19	165.07	166.36	171.97	172.25	Proposed Storm-P
5	4	85.356	0.10	0.70	0.74	0.07	0.52	10.0	15.4	6.0	3.09	16.06	3.54	15	5.27	165.29	169.79	166.36	170.50	172.25	173.00	Pipe - (429)
6	5	54.928	0.10	0.60	0.74	0.07	0.44	10.0	15.1	6.0	2.67	15.65	3.92	15	5.01	169.79	172.54	170.50	173.20	173.00	175.38	Pipe - (428)
7	6	55.420	0.10	0.50	0.74	0.07	0.37	10.0	14.6	6.1	2.25	15.58	3.67	15	4.96	172.54	175.29	173.20	175.89	175.38	184.00	Pipe - (427)
8	7	54.683	0.10	0.40	0.74	0.07	0.30	10.0	14.0	6.2	1.83	15.69	3.39	15	5.03	175.29	178.04	175.89	178.58	184.00	186.90	Pipe - (426)
9	8	56.078	0.10	0.30	0.74	0.07	0.22	10.0	13.3	6.3	1.40	15.49	3.06	15	4.90	178.04	180.79	178.58	181.26	186.90	188.91	Pipe - (425)
10	9	54.339	0.10	0.20	0.74	0.07	0.15	10.0	12.2	6.5	0.96	15.74	2.65	15	5.06	180.79	183.54	181.26	183.93	188.91	189.86	Pipe - (424)
11	10	55.000	0.10	0.10	0.74	0.07	0.07	10.0	10.0	6.9	0.51	15.64	2.06	15	5.00	183.54	186.29	183.93	186.57	189.86	189.04	Pipe - (423)
12	4	100.190	0.63	1.05	0.98	0.62	1.03	10.0	10.2	6.9	7.10	18.10	6.36	15	6.70	165.29	172.00	166.36	173.07	172.25	176.79	Pipe - (431)
13	12	28.092	0.42	0.42	0.98	0.41	0.41	10.0	10.0	6.9	2.86	13.20	3.38	15	3.56	172.00	173.00	173.07	173.68	176.79	177.02	Pipe - (430)

Project File: 25-inflow.stm | Number of lines: 13 | Run Date: 9/25/2025

NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

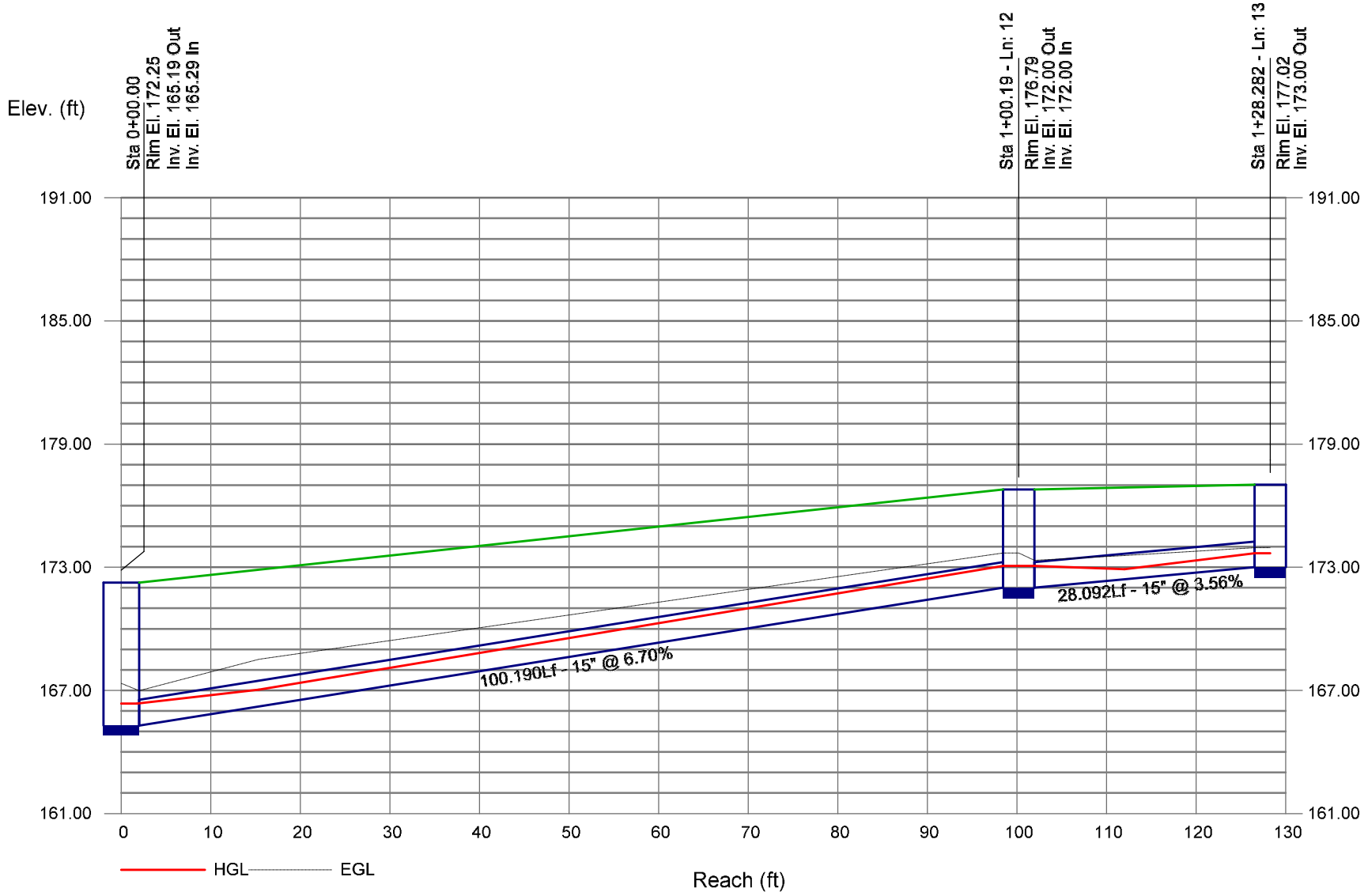
Storm Sewer Profile

Proj. file: 25-inflow.stm

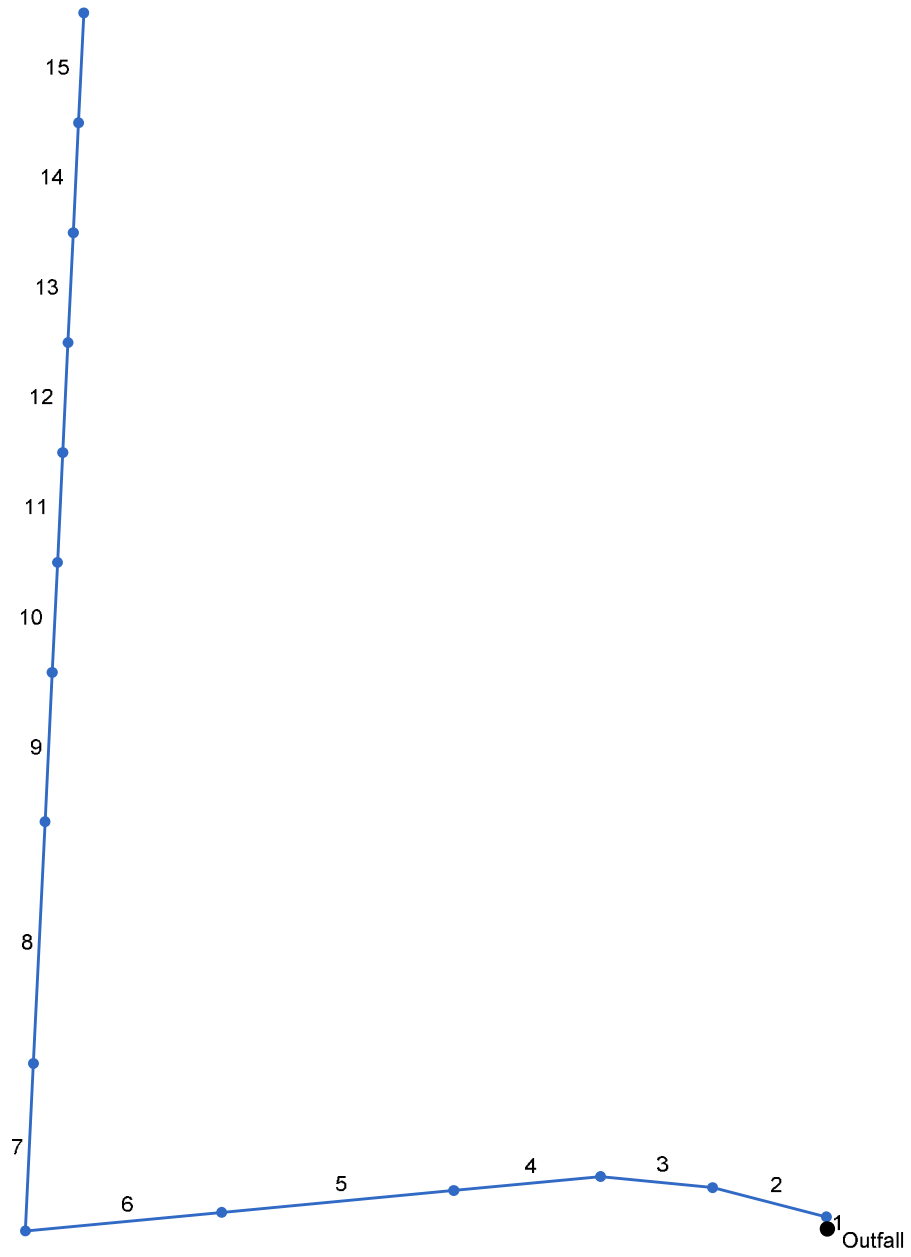


Storm Sewer Profile

Proj. file: 25-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Tabulation

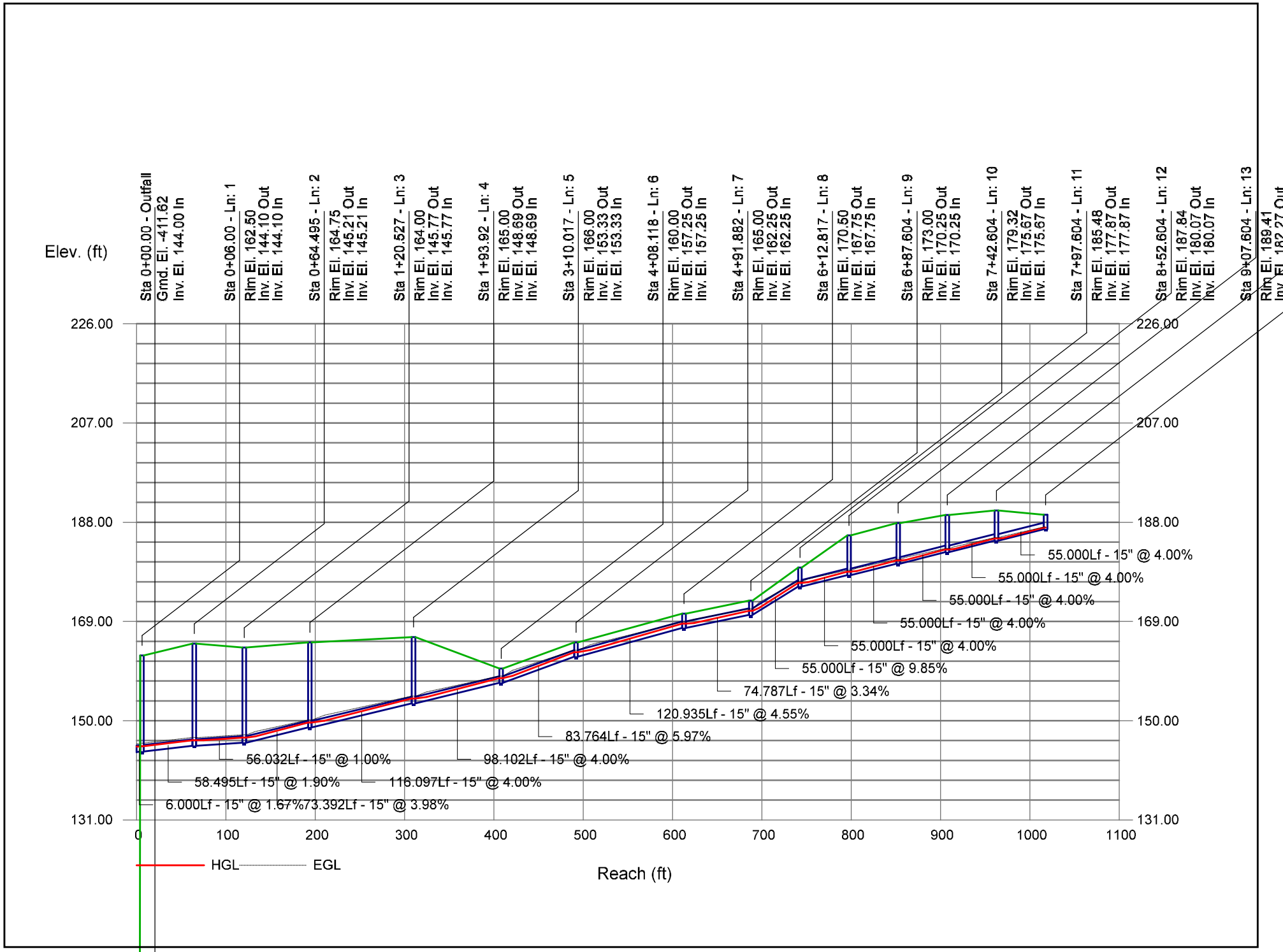
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	6.000	0.00	1.54	0.74	0.00	1.14	10.0	17.2	5.7	6.49	9.03	6.01	15	1.67	144.00	144.10	145.03	145.13	-411.62	162.50	Pipe - (407)
2	1	58.495	0.10	1.54	0.74	0.07	1.14	10.0	17.0	5.7	6.52	9.64	6.05	15	1.90	144.10	145.21	145.13	146.24	162.50	164.75	Pipe - (406)
3	2	56.032	0.10	1.44	0.74	0.07	1.07	10.0	16.9	5.7	6.12	6.99	5.75	15	1.00	145.21	145.77	146.24	146.77	164.75	164.00	Pipe - (405)
4	3	73.392	0.10	1.34	0.74	0.07	0.99	10.0	16.6	5.8	5.73	13.95	5.54	15	3.98	145.77	148.69	146.77	149.66	164.00	165.00	Pipe - (404)
5	4	116.097	0.12	1.24	0.74	0.09	0.92	10.0	16.2	5.8	5.36	13.99	5.34	15	4.00	148.69	153.33	149.66	154.27	165.00	166.00	Pipe - (403)
6	5	98.102	0.08	1.12	0.74	0.06	0.83	10.0	15.8	5.9	4.89	13.98	5.07	15	4.00	153.33	157.25	154.27	158.15	166.00	160.00	Pipe - (402)
7	6	83.764	0.12	1.04	0.74	0.09	0.77	10.0	15.5	6.0	4.58	17.09	4.96	15	5.97	157.25	162.25	158.15	163.12	160.00	165.00	Pipe - (401)
8	7	120.935	0.08	0.92	0.74	0.06	0.68	10.0	14.9	6.0	4.11	14.92	4.67	15	4.55	162.25	167.75	163.12	168.57	165.00	170.50	Pipe - (400)
9	8	74.787	0.12	0.84	0.74	0.09	0.62	10.0	14.5	6.1	3.79	12.79	4.55	15	3.34	167.75	170.25	168.57	171.04	170.50	173.00	Pipe - (399)
10	9	55.000	0.12	0.72	0.74	0.09	0.53	10.0	14.2	6.2	3.28	21.96	4.22	15	9.85	170.25	175.67	171.04	176.40	173.00	179.32	Pipe - (398)
11	10	55.000	0.12	0.60	0.74	0.09	0.44	10.0	13.8	6.2	2.76	13.99	3.93	15	4.00	175.67	177.87	176.40	178.54	179.32	185.48	Pipe - (397)
12	11	55.000	0.12	0.48	0.74	0.09	0.36	10.0	13.4	6.3	2.24	13.99	3.61	15	4.00	177.87	180.07	178.54	180.67	185.48	187.84	Pipe - (396)
13	12	55.000	0.12	0.36	0.74	0.09	0.27	10.0	12.7	6.4	1.71	13.99	3.25	15	4.00	180.07	182.27	180.67	182.79	187.84	189.41	Pipe - (395)
14	13	55.000	0.12	0.24	0.74	0.09	0.18	10.0	11.8	6.6	1.17	13.99	2.80	15	4.00	182.27	184.47	182.79	184.90	189.41	190.24	Pipe - (394)
15	14	55.000	0.12	0.12	0.74	0.09	0.09	10.0	10.0	6.9	0.62	13.99	2.16	15	4.00	184.47	186.67	184.90	186.98	190.24	189.42	Pipe - (393)

Project File: 26-inflow.stm | Number of lines: 15 | Run Date: 9/25/2025

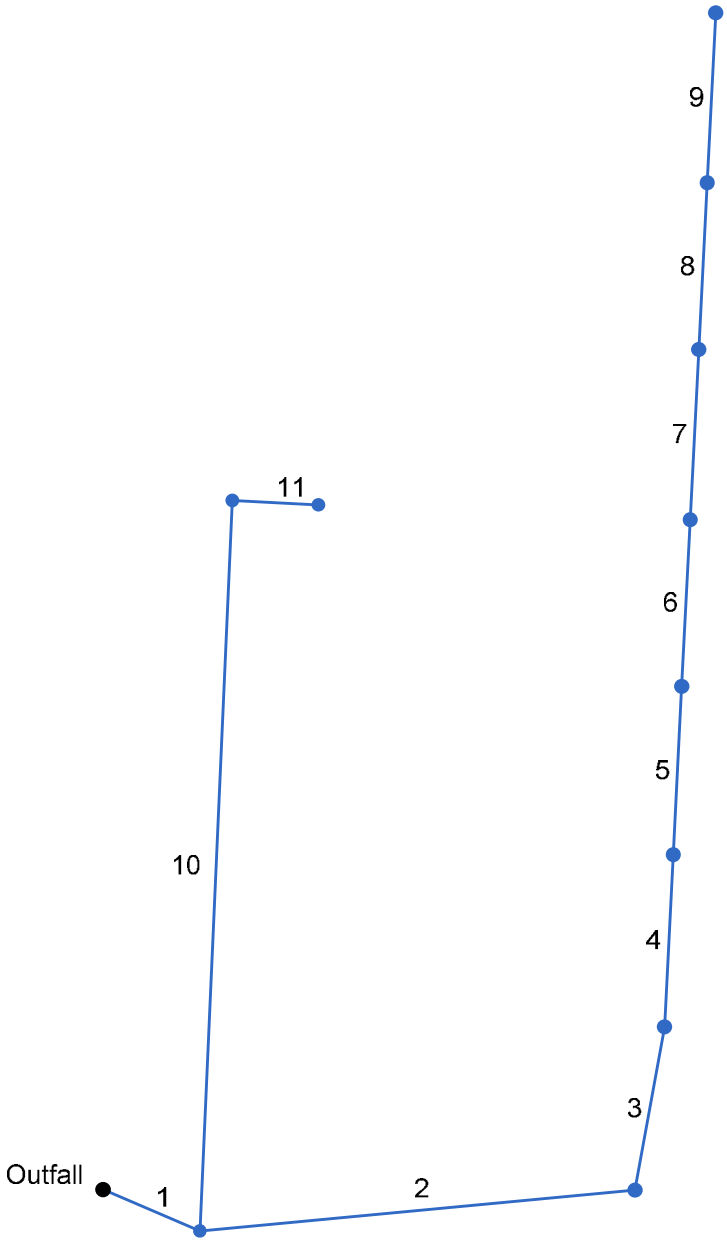
NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 26-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Tabulation

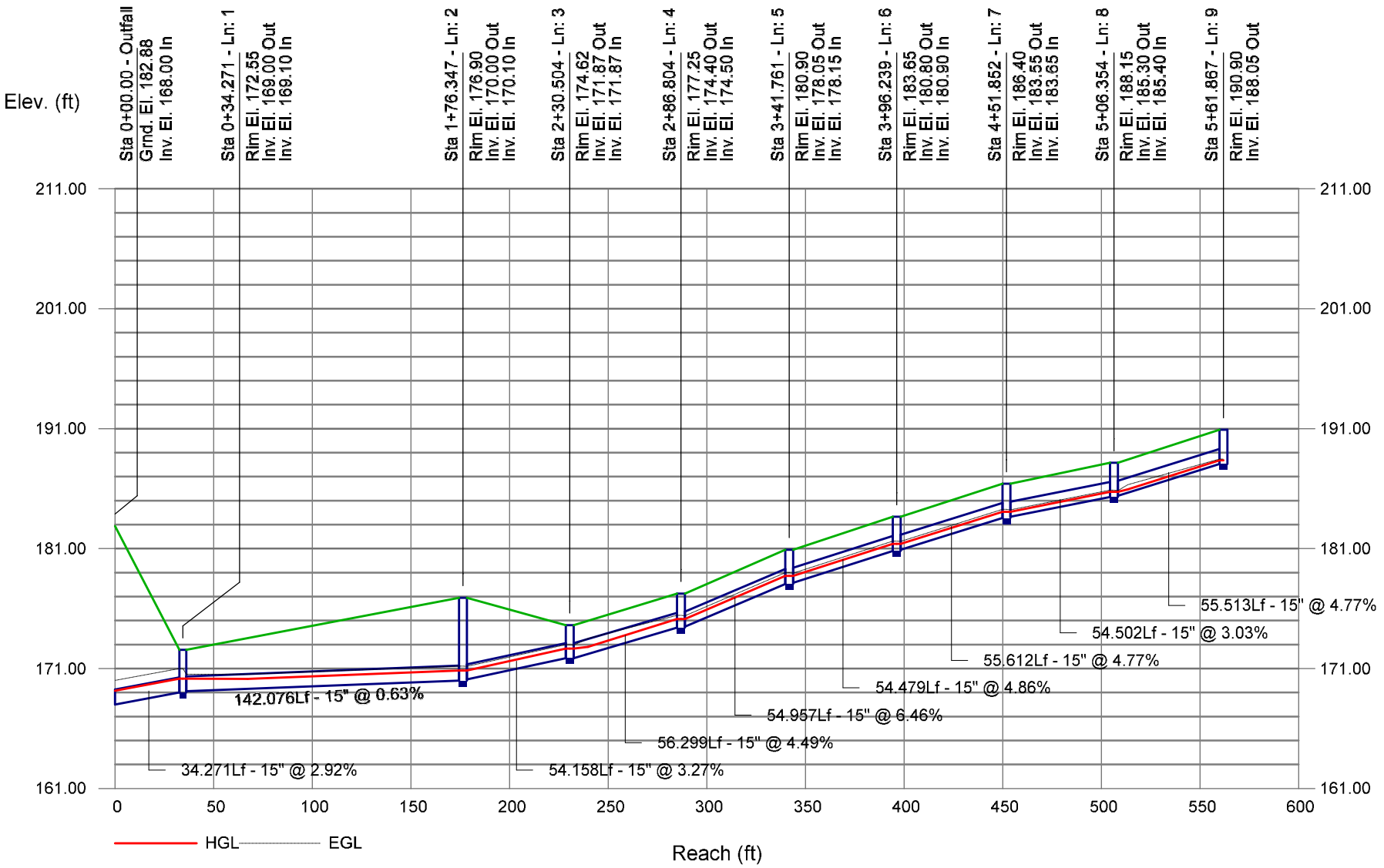
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	34.271	0.26	1.77	0.74	0.19	1.47	10.0	15.4	6.0	8.76	11.95	7.43	15	2.92	168.00	169.00	169.15	170.15	182.88	172.55	Proposed Storm-P
2	1	142.076	0.09	0.93	0.98	0.09	0.71	10.0	14.8	6.1	4.30	5.57	4.41	15	0.63	169.10	170.00	170.15	170.84	172.55	176.90	Proposed Storm-P
3	2	54.158	0.12	0.84	0.74	0.09	0.62	10.0	14.5	6.1	3.79	12.65	4.84	15	3.27	170.10	171.87	170.84	172.66	176.90	174.62	Pipe - (351)
4	3	56.299	0.12	0.72	0.74	0.09	0.53	10.0	14.2	6.2	3.28	14.83	4.22	15	4.49	171.87	174.40	172.66	175.13	174.62	177.25	Pipe - (350)
5	4	54.957	0.12	0.60	0.74	0.09	0.44	10.0	13.8	6.2	2.76	17.78	4.30	15	6.46	174.50	178.05	175.13	178.72	177.25	180.90	Pipe - (349)
6	5	54.479	0.12	0.48	0.74	0.09	0.36	10.0	13.4	6.3	2.24	15.43	4.00	15	4.86	178.15	180.80	178.72	181.40	180.90	183.65	Pipe - (348)
7	6	55.612	0.12	0.36	0.74	0.09	0.27	10.0	12.8	6.4	1.71	15.27	3.65	15	4.77	180.90	183.55	181.40	184.07	183.65	186.40	Pipe - (347)
8	7	54.502	0.12	0.24	0.74	0.09	0.18	10.0	11.8	6.6	1.17	12.17	3.21	15	3.03	183.65	185.30	184.07	185.73	186.40	188.15	Pipe - (346)
9	8	55.513	0.12	0.12	0.74	0.09	0.09	10.0	10.0	6.9	0.62	15.28	2.54	15	4.77	185.40	188.05	185.73	188.36	188.15	190.90	Pipe - (345)
10	1	238.653	0.27	0.58	0.98	0.26	0.57	10.0	10.3	6.9	3.91	16.31	4.15	15	5.43	169.10	182.07	170.15	182.87	172.55	185.95	Proposed Storm-P
11	10	28.000	0.31	0.31	0.98	0.30	0.30	10.0	10.0	6.9	2.11	7.00	3.39	15	1.00	182.17	182.45	182.87	183.03	185.95	185.95	Pipe - (433)

Project File: 27-inflow.stm | Number of lines: 11 | Run Date: 9/25/2025

NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

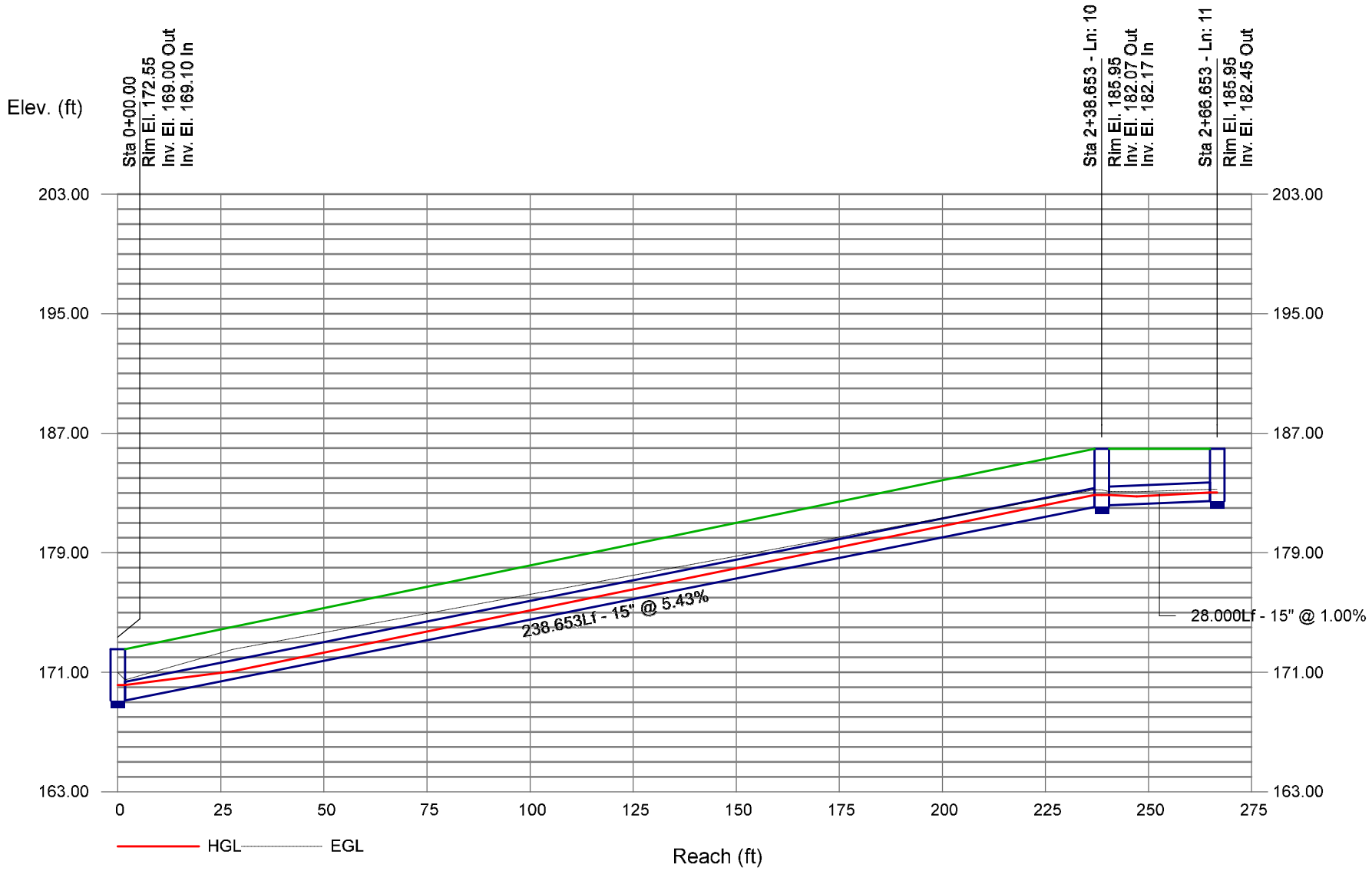
Storm Sewer Profile

Proj. file: 27-inflow.stm

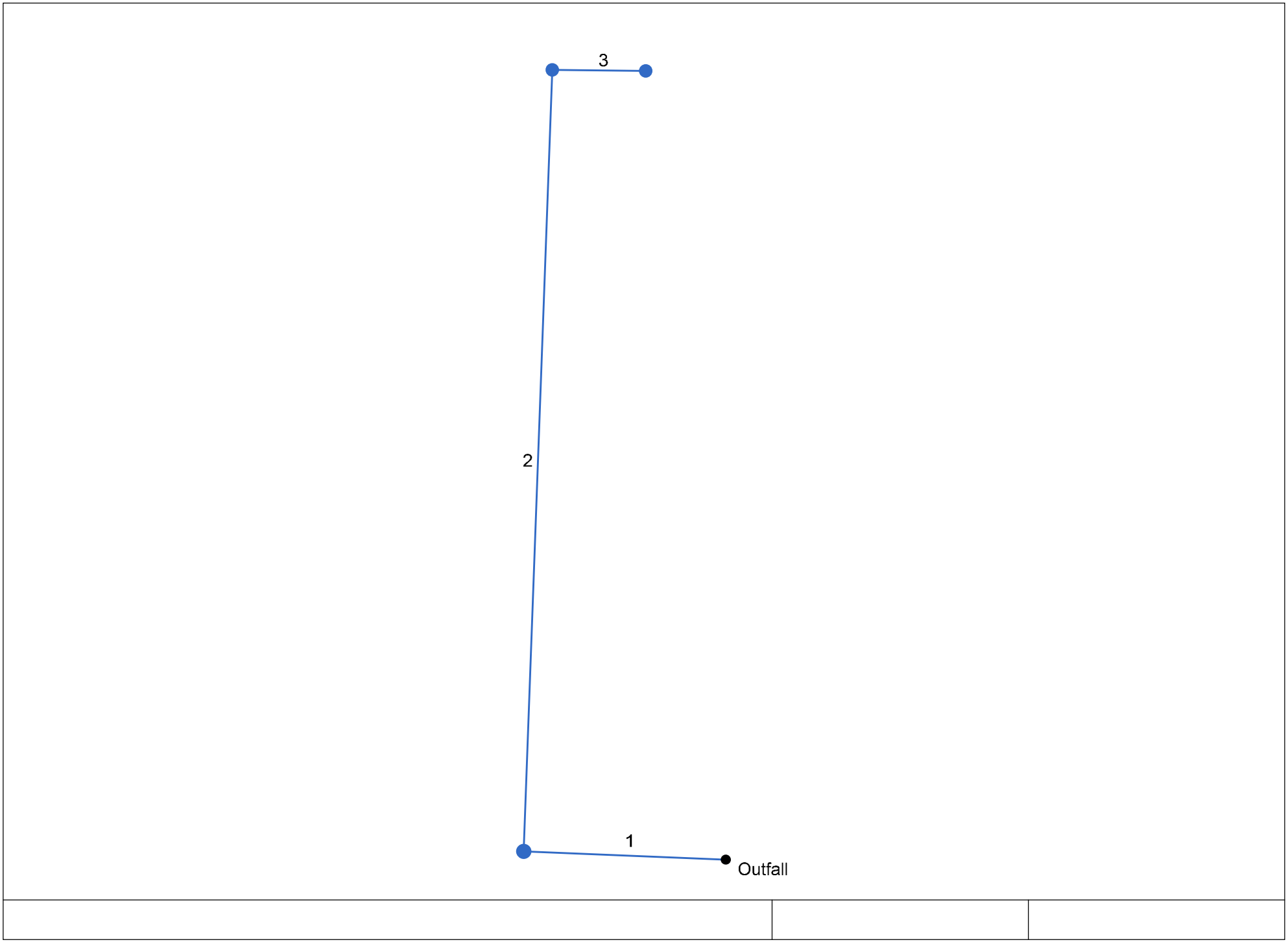


Storm Sewer Profile

Proj. file: 27-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Tabulation

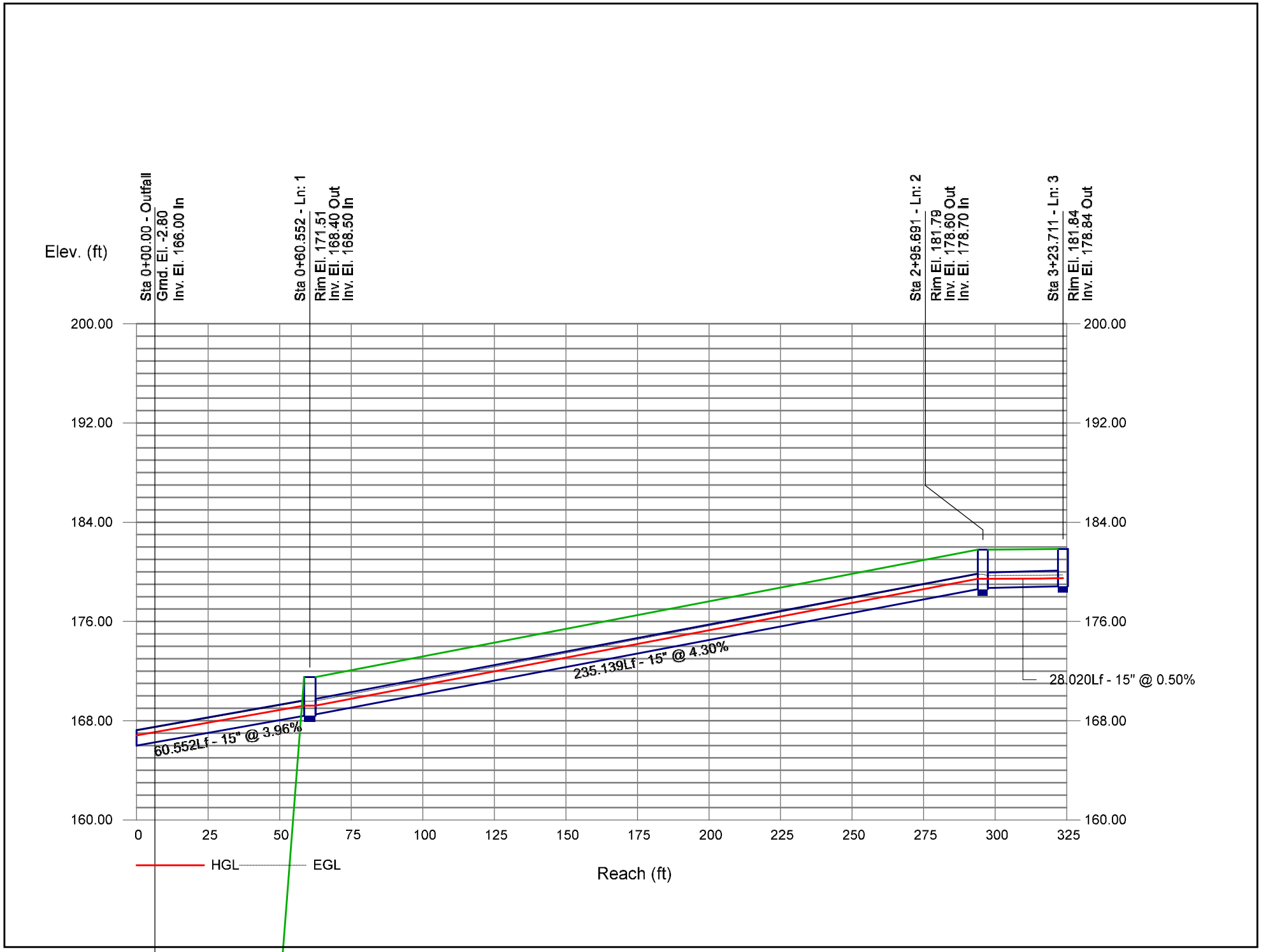
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	60.552	0.00	0.63	0.00	0.00	0.62	0.0	11.3	6.7	4.12	13.93	4.82	15	3.96	166.00	168.40	166.82	169.22	-2.80	171.51	Proposed Storm-P
2	1	235.139	0.24	0.63	0.98	0.24	0.62	10.0	10.2	6.9	4.26	14.50	5.35	15	4.30	168.50	178.60	169.22	179.44	171.51	181.79	Pipe - (409)
3	2	28.020	0.39	0.39	0.98	0.38	0.38	10.0	10.0	6.9	2.65	4.94	3.81	15	0.50	178.70	178.84	179.44	179.49	181.79	181.84	Pipe - (408)

Project File: 28A-inflow.stm | Number of lines: 3 | Run Date: 9/25/2025

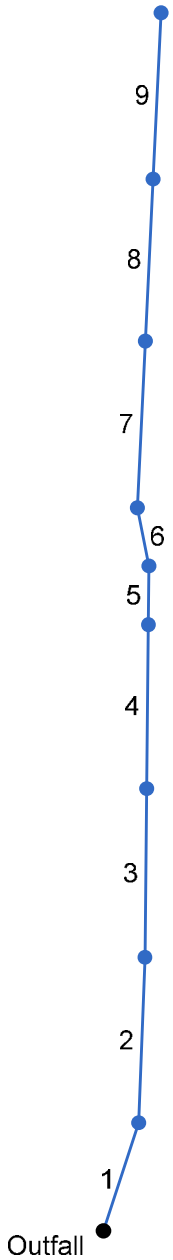
NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 28A-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Project File: 28B-inflow.stm	Number of lines: 9	Date: 9/25/2025

Storm Sewer Tabulation

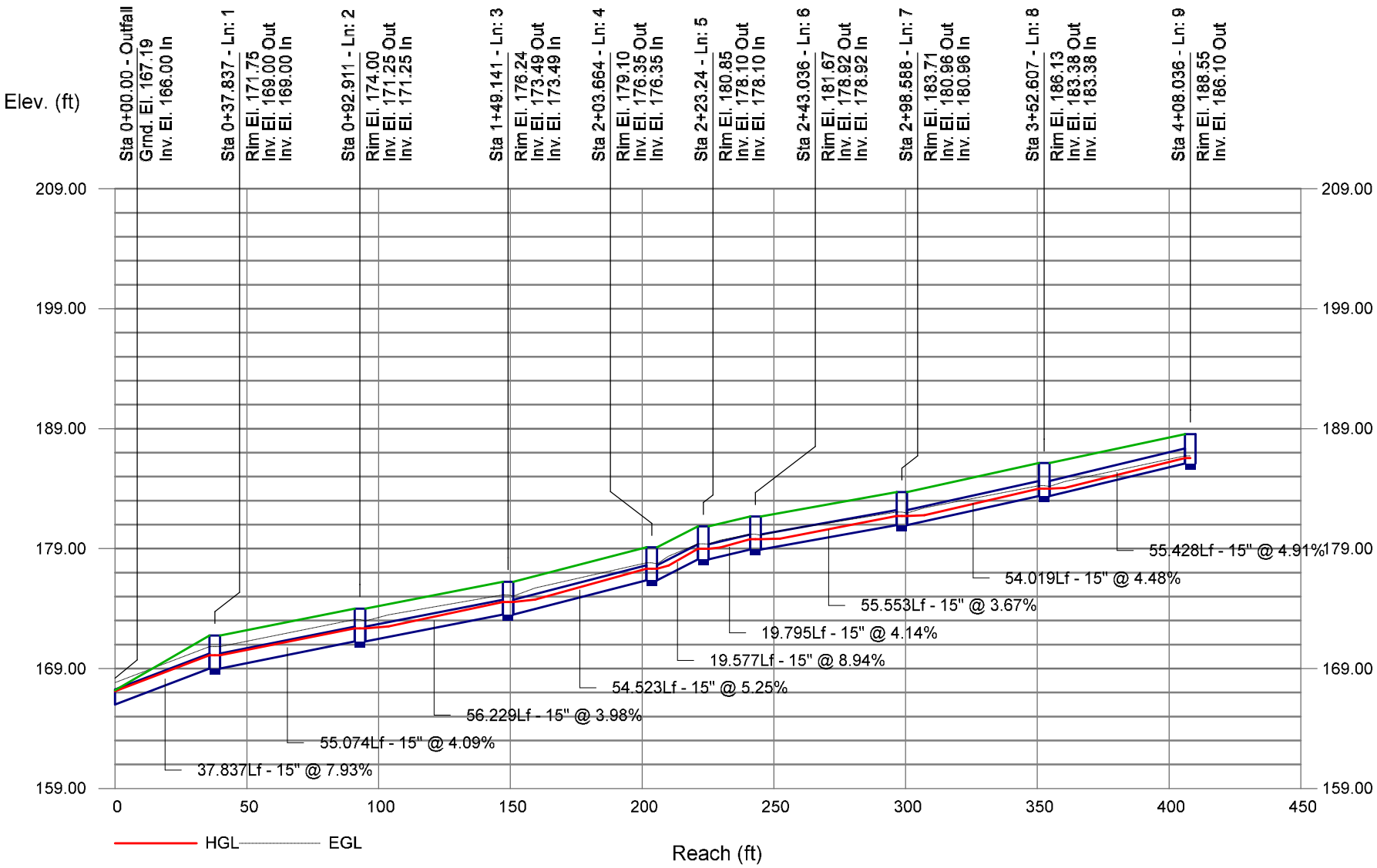
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	37.837	0.00	1.63	0.00	0.00	1.21	10.0	12.3	6.5	7.83	19.70	6.82	15	7.93	166.00	169.00	167.11	170.11	167.19	171.75	Pipe - (443)
2	1	55.074	0.22	1.63	0.74	0.16	1.21	10.0	12.1	6.5	7.86	14.14	6.84	15	4.09	169.00	171.25	170.11	172.36	171.75	174.00	Pipe - (442)
3	2	56.229	0.22	1.41	0.74	0.16	1.04	10.0	12.0	6.5	6.83	13.96	6.08	15	3.98	171.25	173.49	172.36	174.54	174.00	176.24	Pipe - (441)
4	3	54.523	0.22	1.19	0.74	0.16	0.88	10.0	11.8	6.6	5.80	16.02	5.46	15	5.25	173.49	176.35	174.54	177.32	176.24	179.10	Pipe - (440)
5	4	19.577	0.02	0.97	0.74	0.01	0.72	10.0	11.7	6.6	4.74	20.92	4.87	15	8.94	176.35	178.10	177.32	178.98	179.10	180.85	Pipe - (439)
6	5	19.795	0.23	0.95	0.74	0.17	0.70	10.0	11.6	6.6	4.65	14.24	5.05	15	4.14	178.10	178.92	178.98	179.79	180.85	181.67	Pipe - (438)
7	6	55.553	0.23	0.72	0.74	0.17	0.53	10.0	11.3	6.7	3.56	13.41	4.22	15	3.67	178.92	180.96	179.79	181.72	181.67	183.71	Pipe - (437)
8	7	54.019	0.23	0.49	0.74	0.17	0.36	10.0	10.8	6.8	2.45	14.81	3.56	15	4.48	180.96	183.38	181.72	184.01	183.71	186.13	Pipe - (436)
9	8	55.428	0.26	0.26	0.74	0.19	0.19	10.0	10.0	6.9	1.34	15.50	2.73	15	4.91	183.38	186.10	184.01	186.56	186.13	188.55	Pipe - (435)

Project File: 28B-inflow.stm | Number of lines: 9 | Run Date: 9/25/2025

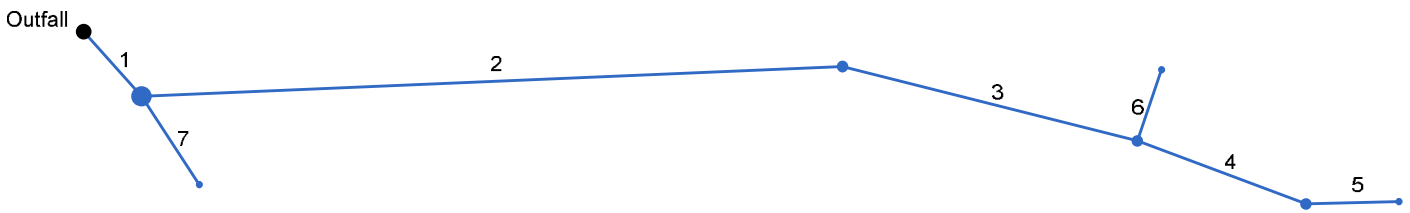
NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 28B-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Project File: 29-31-32-outflow.stm	Number of lines: 7	Date: 9/25/2025

Storm Sewer Tabulation

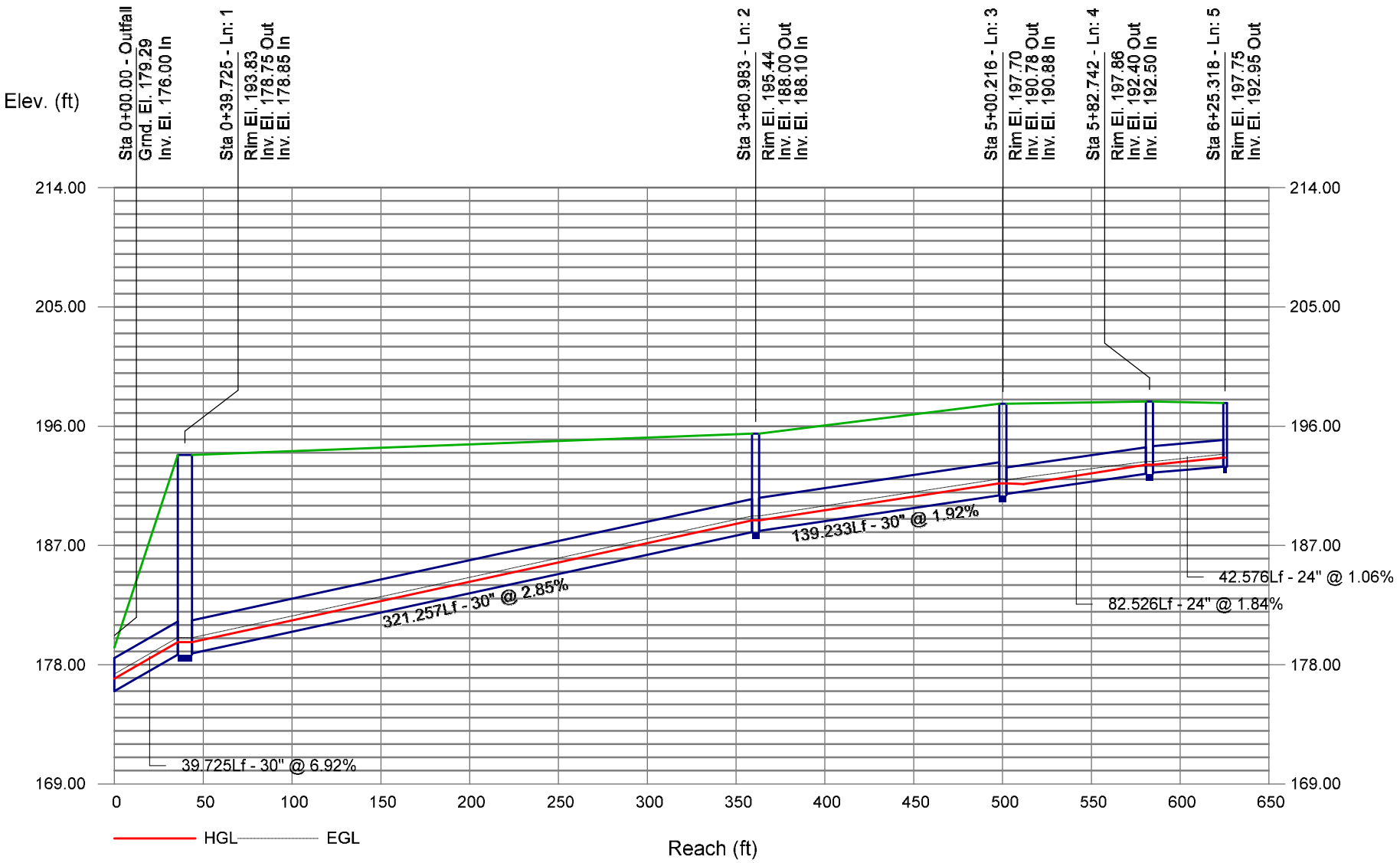
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	39.725	0.00	0.00	0.00	0.00	0.00	0.0	6.9	0.0	8.12	116.9	4.76	30	6.92	176.00	178.75	176.95	179.70	179.29	193.83	Proposed Storm-P
2	1	321.257	0.00	0.00	0.00	0.00	0.00	0.0	3.3	0.0	7.31	74.98	4.80	30	2.85	178.85	188.00	179.70	188.90	193.83	195.44	Proposed Storm-P
3	2	139.233	0.00	0.00	0.00	0.00	0.00	0.0	1.7	0.0	7.31	61.64	5.02	30	1.92	188.10	190.78	188.90	191.68	195.44	197.70	Proposed Storm-P
4	3	82.526	0.00	0.00	0.00	0.00	0.00	0.0	0.6	0.0	3.82	33.25	3.65	24	1.84	190.88	192.40	191.68	193.08	197.70	197.86	Pipe - (344) (4)
5	4	42.576	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	3.82	25.19	4.51	24	1.06	192.50	192.95	193.08	193.63	197.86	197.75	Pipe - (344)
6	3	34.546	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	3.49	49.68	3.45	24	4.11	190.88	192.30	191.68	192.95	197.70	197.00	Pipe - (387)
7	1	48.479	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.81	29.00	1.77	18	6.50	178.85	182.00	179.70	182.33	193.83	188.21	Pipe - (389)

Project File: 29-31-32-outflow.stm | Number of lines: 7 | Run Date: 9/25/2025

NOTES:Intensity = 127.16 / (Inlet time + 17.80) ^ 0.82; Return period =Yrs. 100 ; c = cir e = ellip b = box

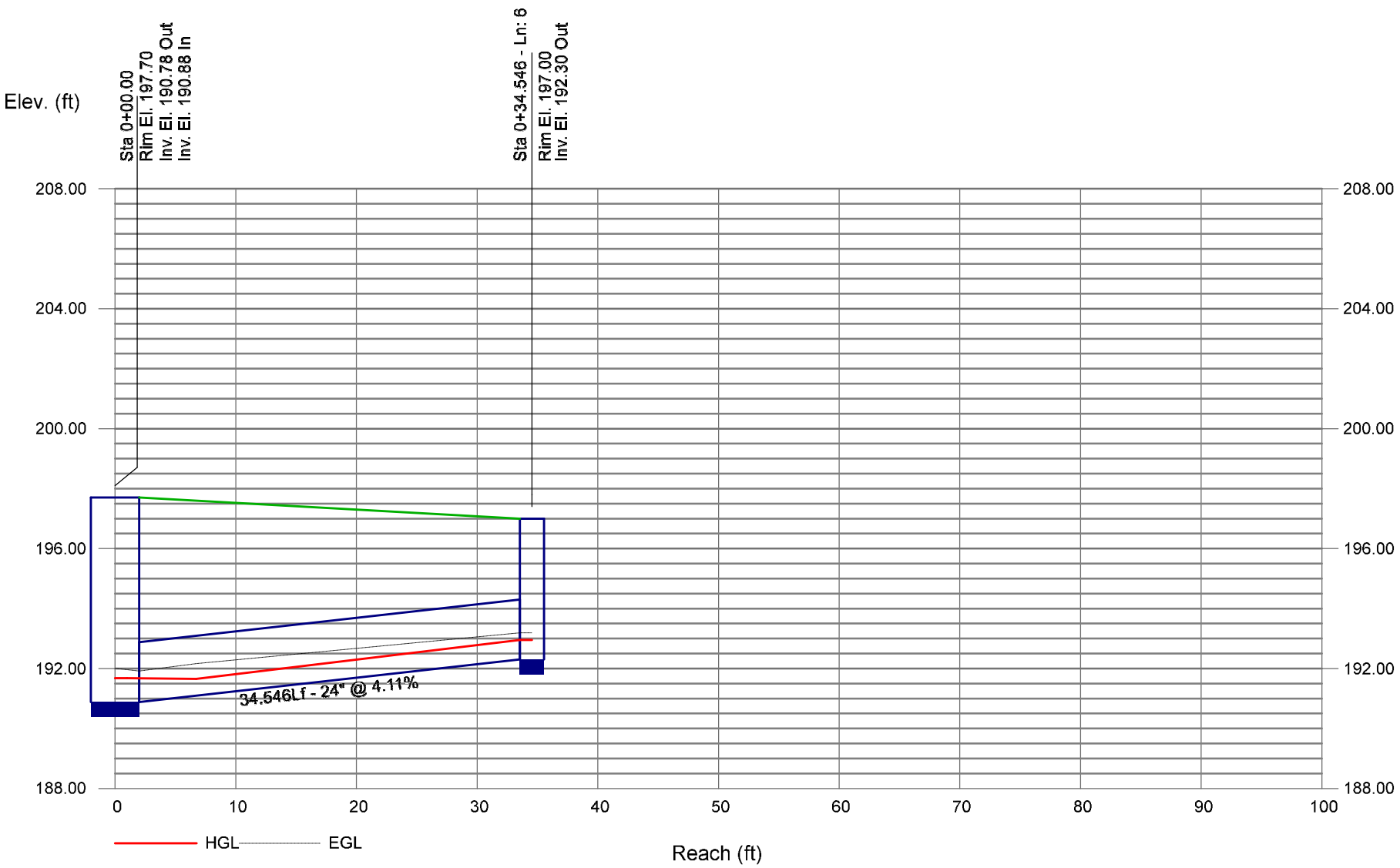
Storm Sewer Profile

Proj. file: 29-31-32-outflow.stm



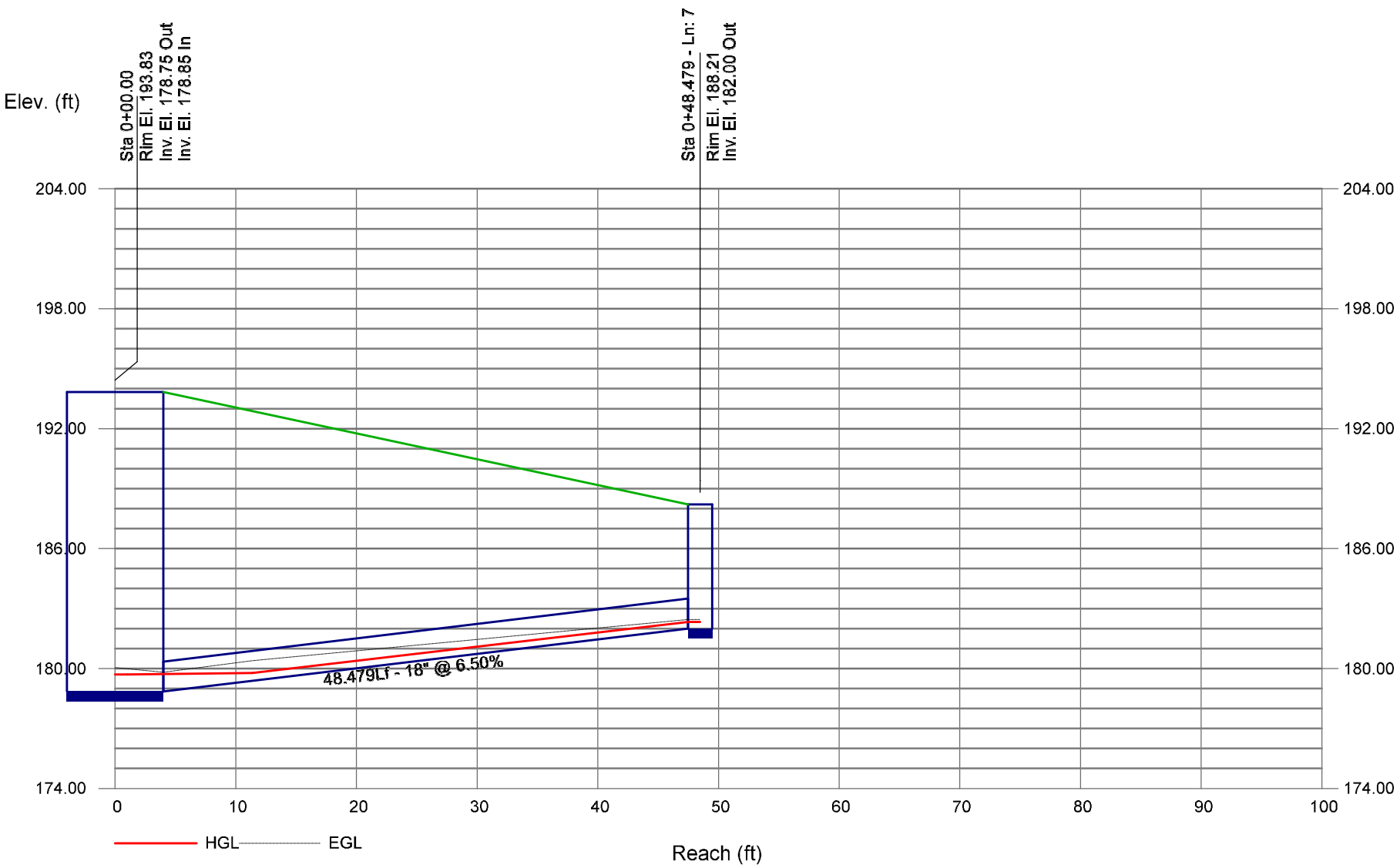
Storm Sewer Profile

Proj. file: 29-31-32-outflow.stm

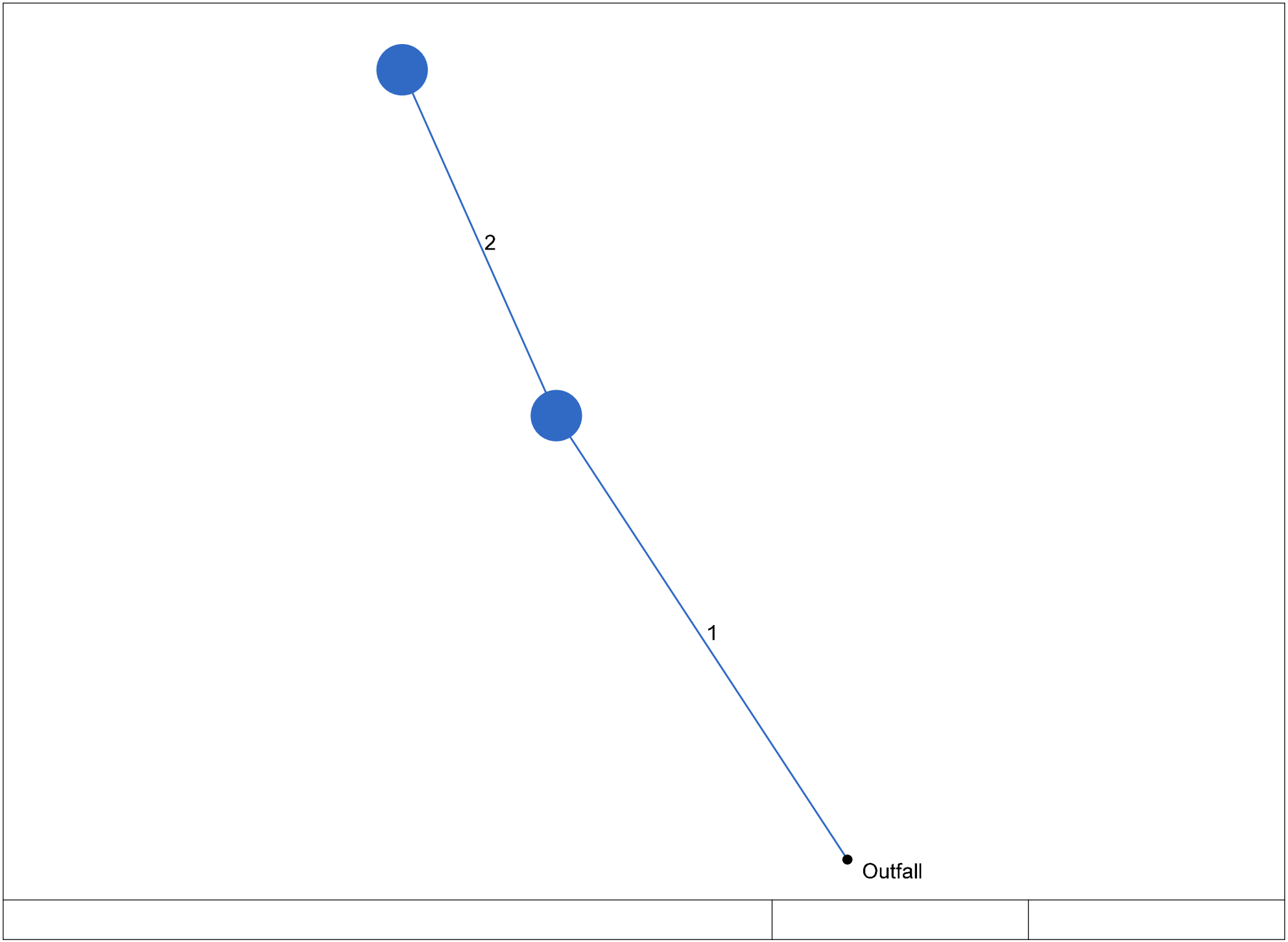


Storm Sewer Profile

Proj. file: 29-31-32-outflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Tabulation

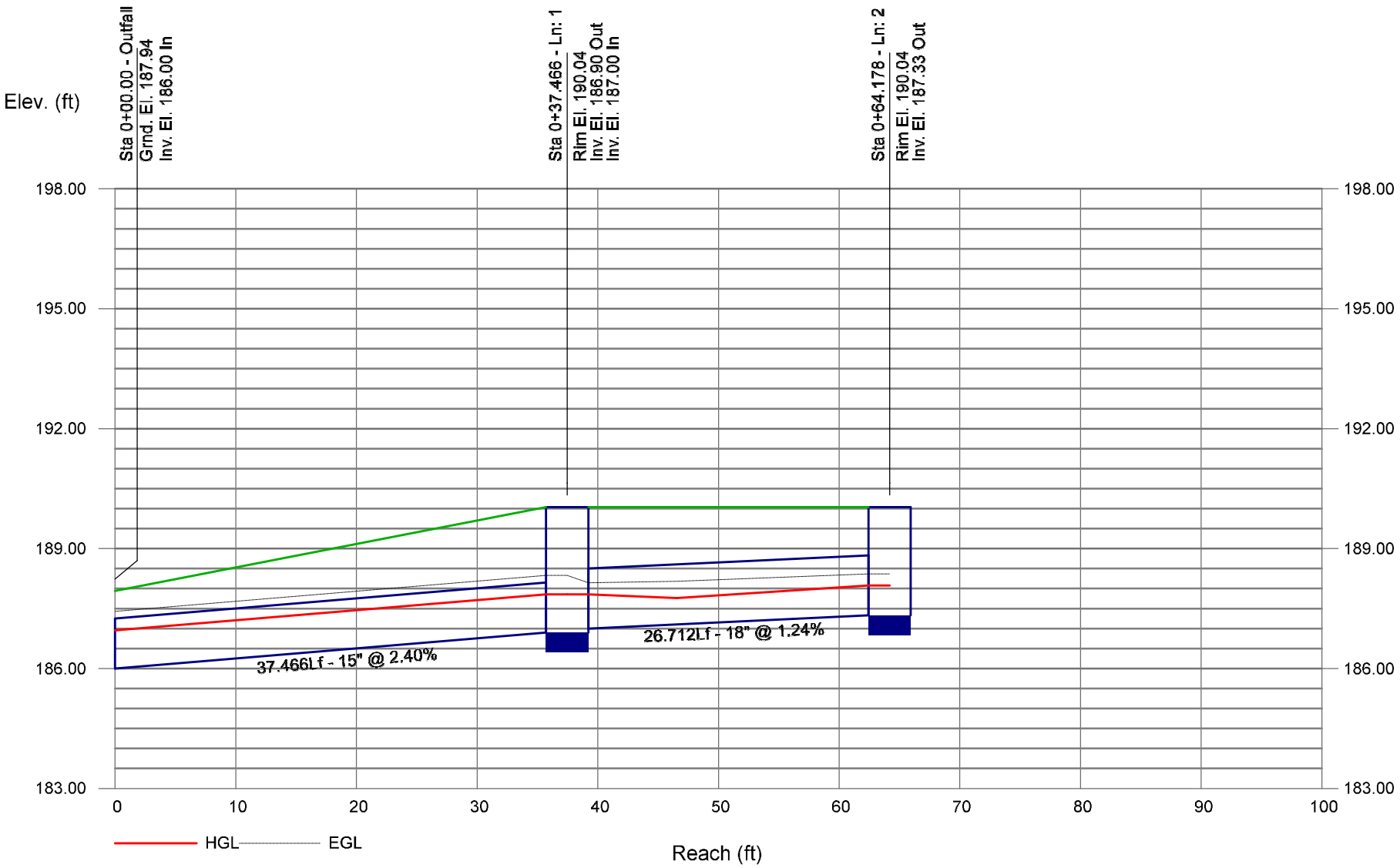
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	37.466	0.26	0.82	0.98	0.25	0.80	10.0	10.2	6.9	5.55	10.84	5.52	15	2.40	186.00	186.90	186.95	187.85	187.94	190.04	Pipe - (392)
2	1	26.712	0.56	0.56	0.98	0.55	0.55	10.0	10.0	6.9	3.81	12.64	4.01	18	1.24	187.00	187.33	187.85	188.08	190.04	190.04	Pipe - (391)

Project File: 29-inflow.stm | Number of lines: 2 | Run Date: 9/25/2025

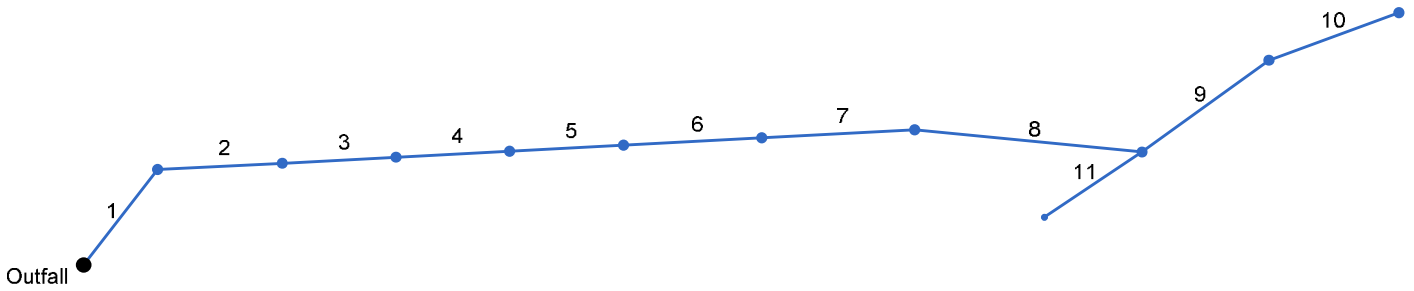
NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 29-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Tabulation

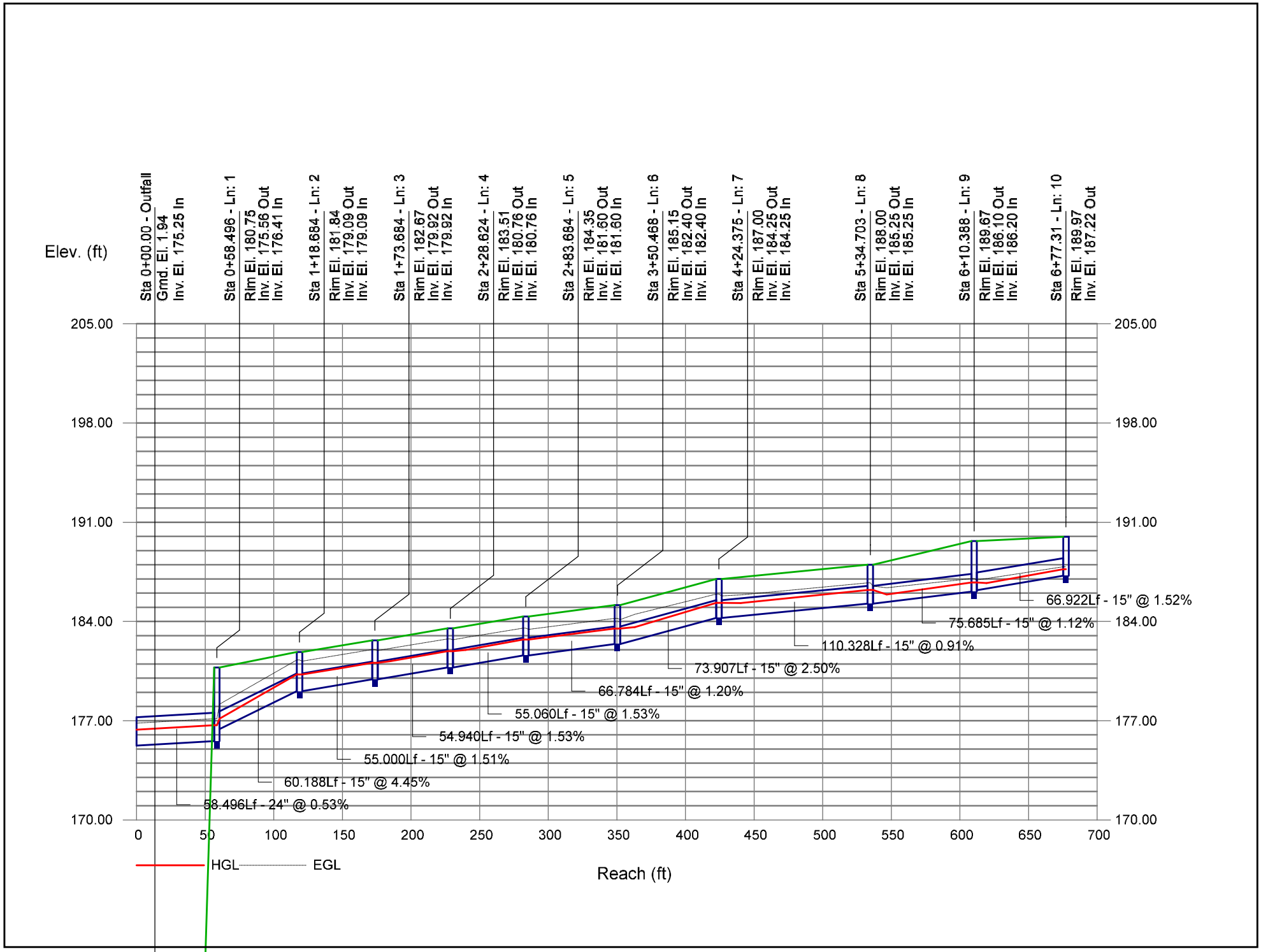
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	58.496	0.04	2.08	0.74	0.03	1.54	10.0	12.8	6.4	9.84	17.84	5.43	24	0.53	175.25	175.56	176.37	176.68	1.94	180.75	Pipe - (386)
2	1	60.188	0.10	2.04	0.74	0.07	1.51	10.0	12.7	6.4	9.68	14.76	10.46	15	4.45	176.41	179.09	177.15	180.27	180.75	181.84	Pipe - (385)
3	2	55.000	0.10	1.94	0.74	0.07	1.44	10.0	12.6	6.4	9.24	8.59	7.74	15	1.51	179.09	179.92	180.27	181.08	181.84	182.67	Pipe - (384)
4	3	54.940	0.10	1.84	0.74	0.07	1.36	10.0	12.5	6.5	8.79	8.65	7.42	15	1.53	179.92	180.76	181.08	181.91	182.67	183.51	Pipe - (383)
5	4	55.060	0.12	1.74	0.74	0.09	1.29	10.0	12.3	6.5	8.35	8.64	7.12	15	1.53	180.76	181.60	181.91	182.73	183.51	184.35	Pipe - (382)
6	5	66.784	0.17	1.62	0.74	0.13	1.20	10.0	12.1	6.5	7.81	7.66	6.75	15	1.20	181.60	182.40	182.73	183.51	184.35	185.15	Pipe - (381)
7	6	73.907	0.27	1.45	0.74	0.20	1.07	10.0	11.9	6.6	7.03	11.07	6.23	15	2.50	182.40	184.25	183.51	185.31	185.15	187.00	Pipe - (380)
8	7	110.328	0.30	1.18	0.74	0.22	0.87	10.0	11.6	6.6	5.79	6.66	5.43	15	0.91	184.25	185.25	185.31	186.22	187.00	188.00	Pipe - (379)
9	8	75.685	0.27	0.54	0.74	0.20	0.40	10.0	11.0	6.7	2.69	7.41	3.37	15	1.12	185.25	186.10	186.22	186.76	188.00	189.67	Pipe - (378)
10	9	66.922	0.27	0.27	0.74	0.20	0.20	10.0	10.0	6.9	1.39	8.64	2.98	15	1.52	186.20	187.22	186.76	187.69	189.67	189.97	Pipe - (377)
11	8	56.793	0.34	0.34	0.74	0.25	0.25	10.0	10.0	6.9	1.75	32.55	2.43	18	8.19	185.25	189.90	186.22	190.40	188.00	192.21	Pipe - (388)

Project File: 30B-inflow.stm | Number of lines: 11 | Run Date: 9/25/2025

NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

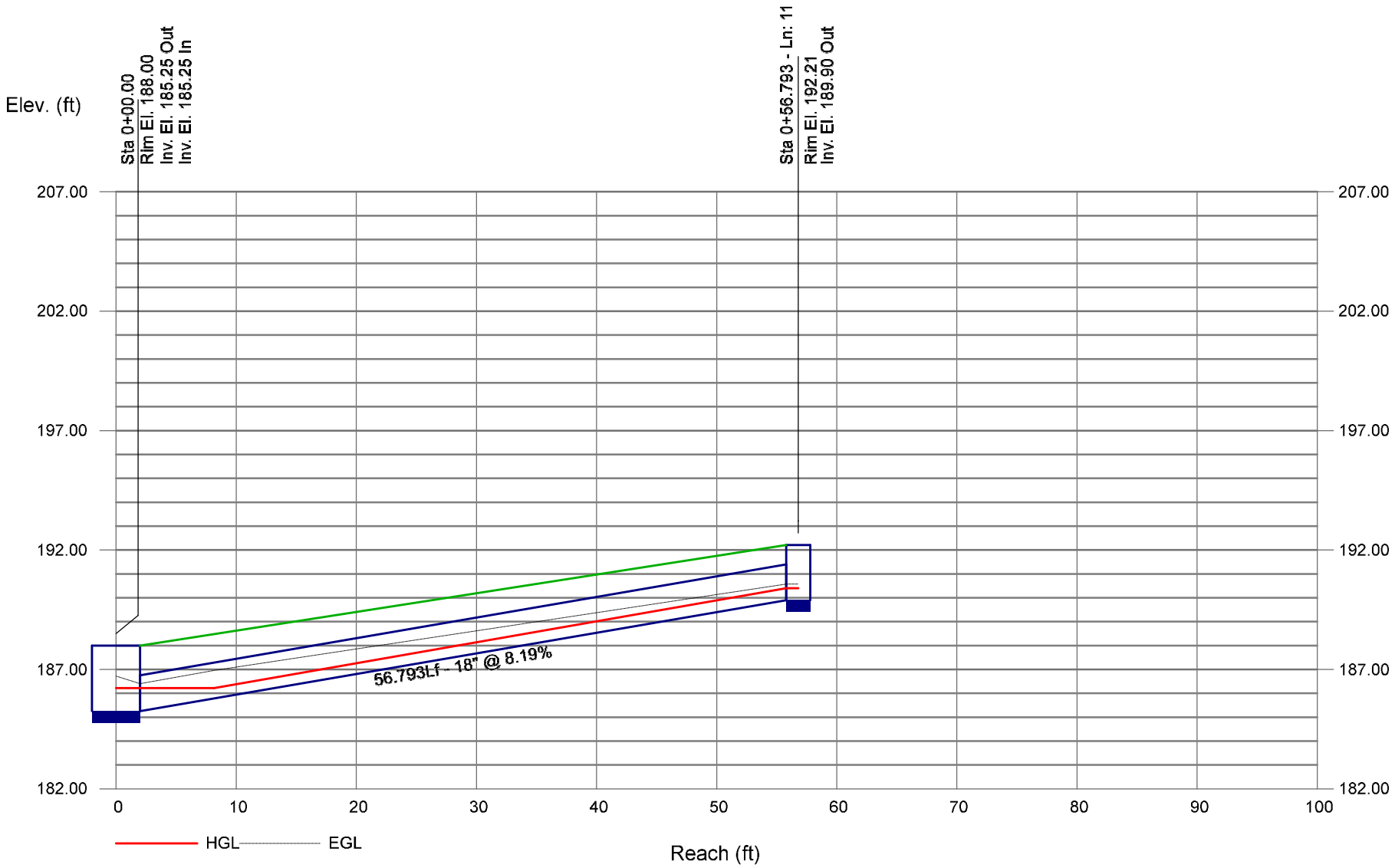
Storm Sewer Profile

Proj. file: 30B-inflow.stm

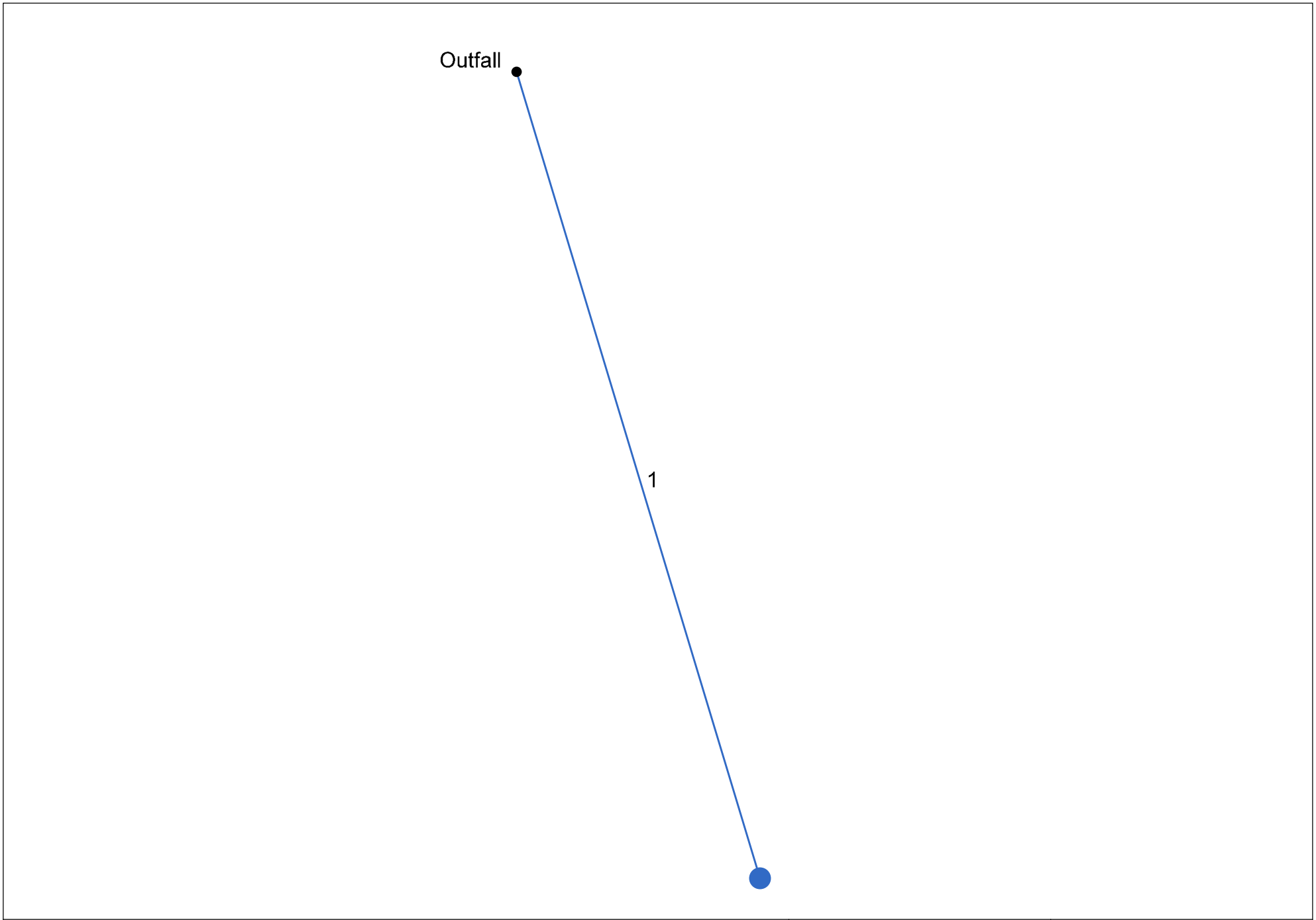


Storm Sewer Profile

Proj. file: 30B-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Project File: 30-outflow.stm	Number of lines: 1	Date: 9/25/2025

Storm Sewer Tabulation

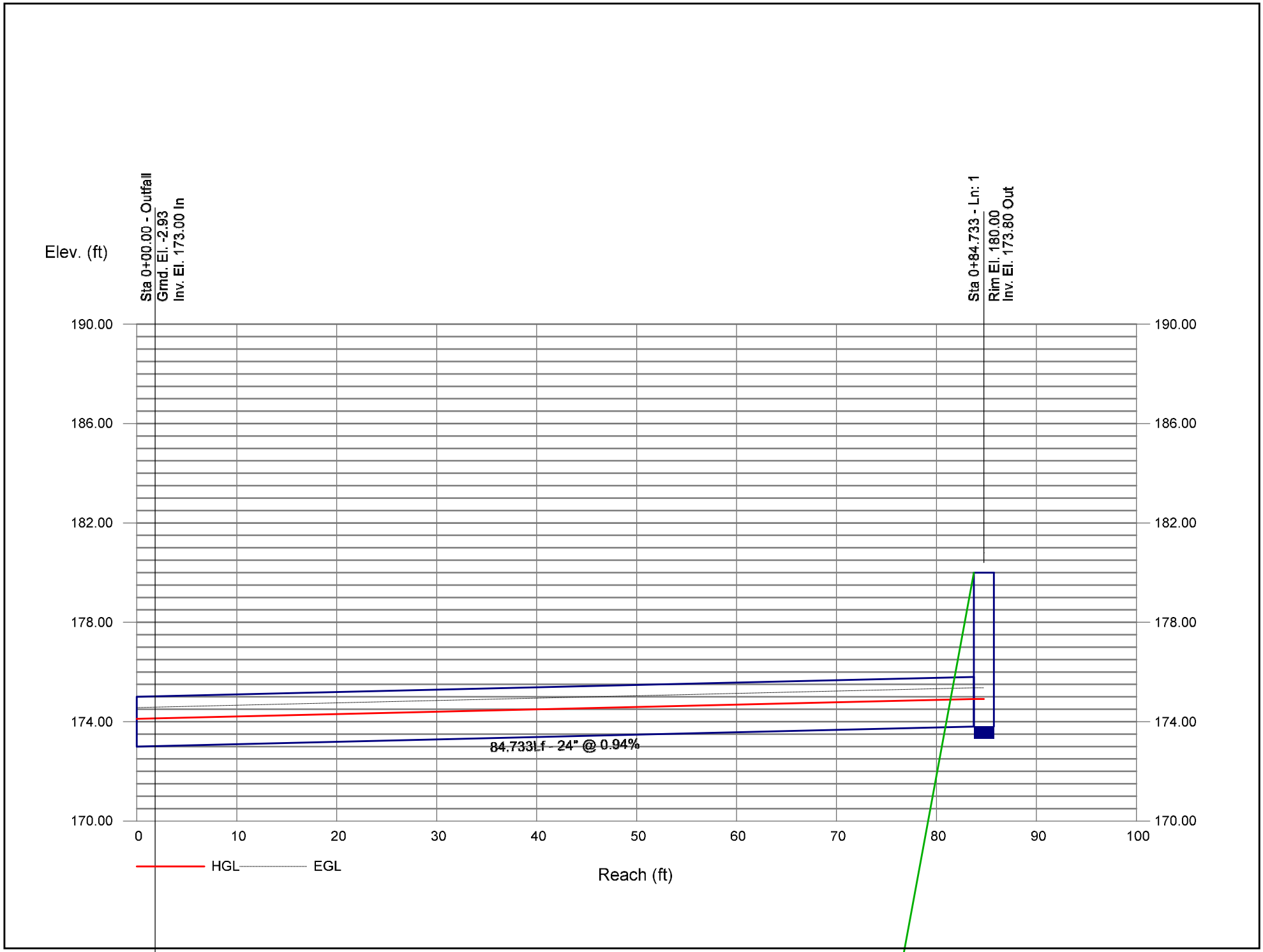
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	84.733	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	9.66	23.81	5.39	24	0.94	173.00	173.80	174.11	174.91	-2.93	180.00	Pipe - (390) (1)

Project File: 30-outflow.stm | Number of lines: 1 | Run Date: 9/25/2025

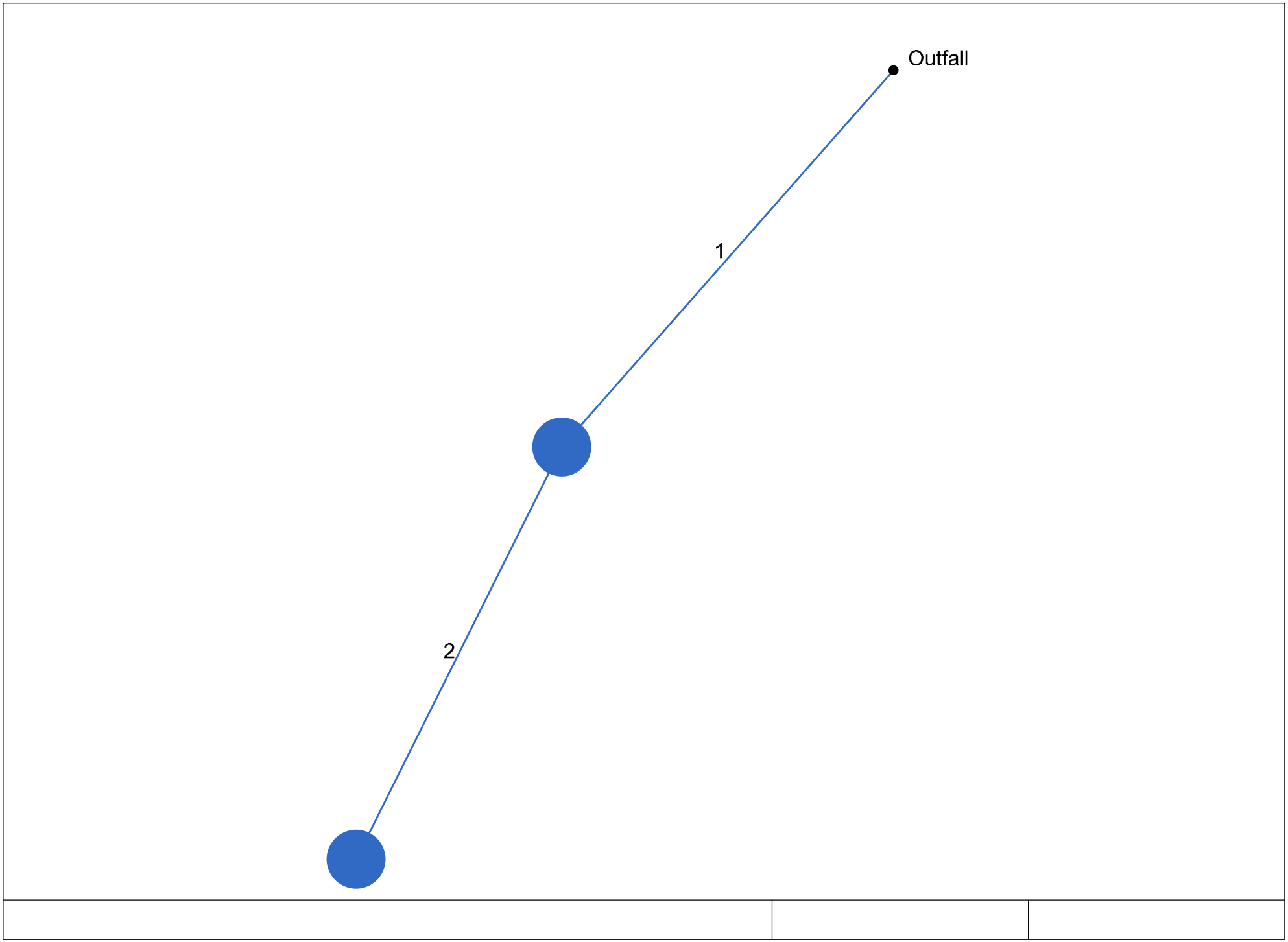
NOTES:Intensity = 127.16 / (Inlet time + 17.80) ^ 0.82; Return period =Yrs. 100 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 30-outflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Tabulation

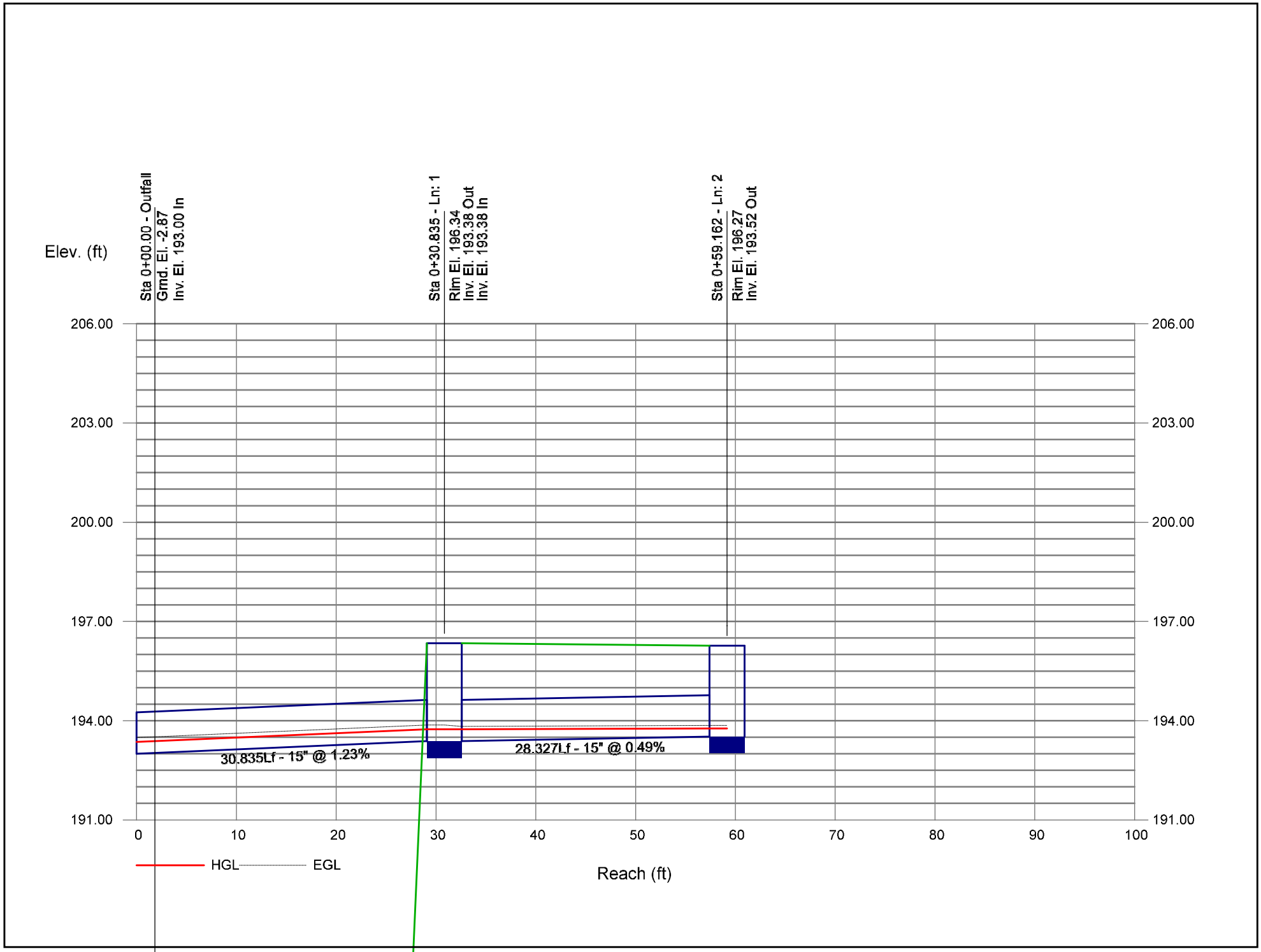
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	30.835	0.07	0.13	0.98	0.07	0.13	10.0	11.4	6.7	0.85	7.77	2.89	15	1.23	193.00	193.38	193.36	193.74	-2.87	196.34	Pipe - (376)
2	1	28.327	0.06	0.06	0.98	0.06	0.06	10.0	10.0	6.9	0.41	4.92	1.88	15	0.49	193.38	193.52	193.74	193.77	196.34	196.27	Pipe - (375)

Project File: 31A-inflow.stm | Number of lines: 2 | Run Date: 9/25/2025

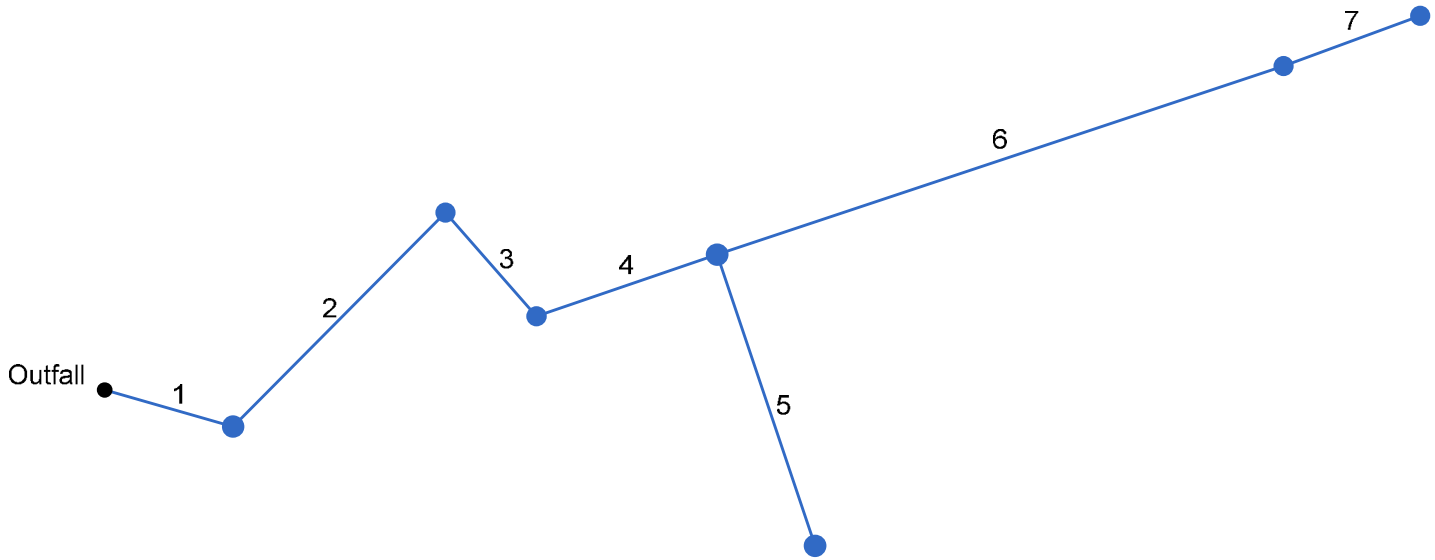
NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 31A-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Project File: 31B-inflow.stm	Number of lines: 7	Date: 9/25/2025

Storm Sewer Tabulation

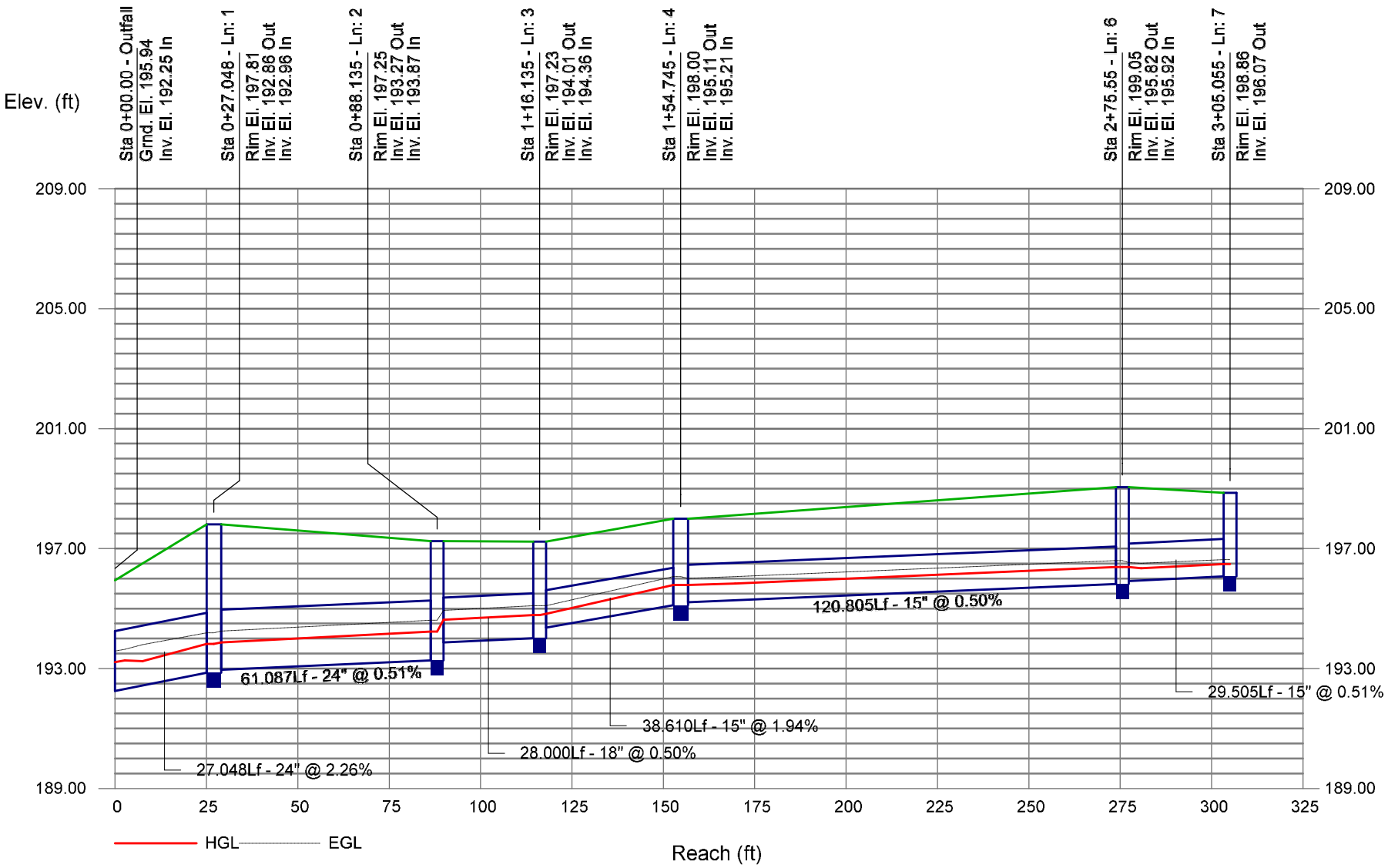
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	27.048	0.00	1.21	0.00	0.00	1.14	10.0	12.8	6.4	7.29	36.80	4.90	24	2.26	192.25	192.86	193.21	193.82	195.94	197.81	Pipe - (369) (1)
2	1	61.087	0.52	1.21	0.98	0.51	1.14	10.0	12.4	6.5	7.38	17.45	5.12	24	0.51	192.96	193.27	193.87	194.23	197.81	197.25	Pipe - (369)
3	2	28.000	0.20	0.69	0.98	0.20	0.63	10.0	12.2	6.5	4.10	8.04	4.51	18	0.50	193.87	194.01	194.63	194.79	197.25	197.23	Pipe - (368)
4	3	38.610	0.06	0.49	0.74	0.04	0.43	10.0	11.9	6.6	2.85	9.75	5.54	15	1.94	194.36	195.11	194.82	195.79	197.23	198.00	Pipe - (371)
5	4	62.411	0.13	0.13	0.74	0.10	0.10	10.0	10.0	6.9	0.67	10.48	1.95	15	2.24	195.21	196.61	195.79	196.93	198.00	199.36	Pipe - (370)
6	4	120.805	0.14	0.30	0.98	0.14	0.29	10.0	10.6	6.8	2.01	4.97	3.68	15	0.50	195.21	195.82	195.79	196.38	198.00	199.05	Proposed Storm-P
7	6	29.505	0.16	0.16	0.98	0.16	0.16	10.0	10.0	6.9	1.09	4.99	2.87	15	0.51	195.92	196.07	196.38	196.48	199.05	198.86	Pipe - (306)

Project File: 31B-inflow.stm | Number of lines: 7 | Run Date: 9/25/2025

NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

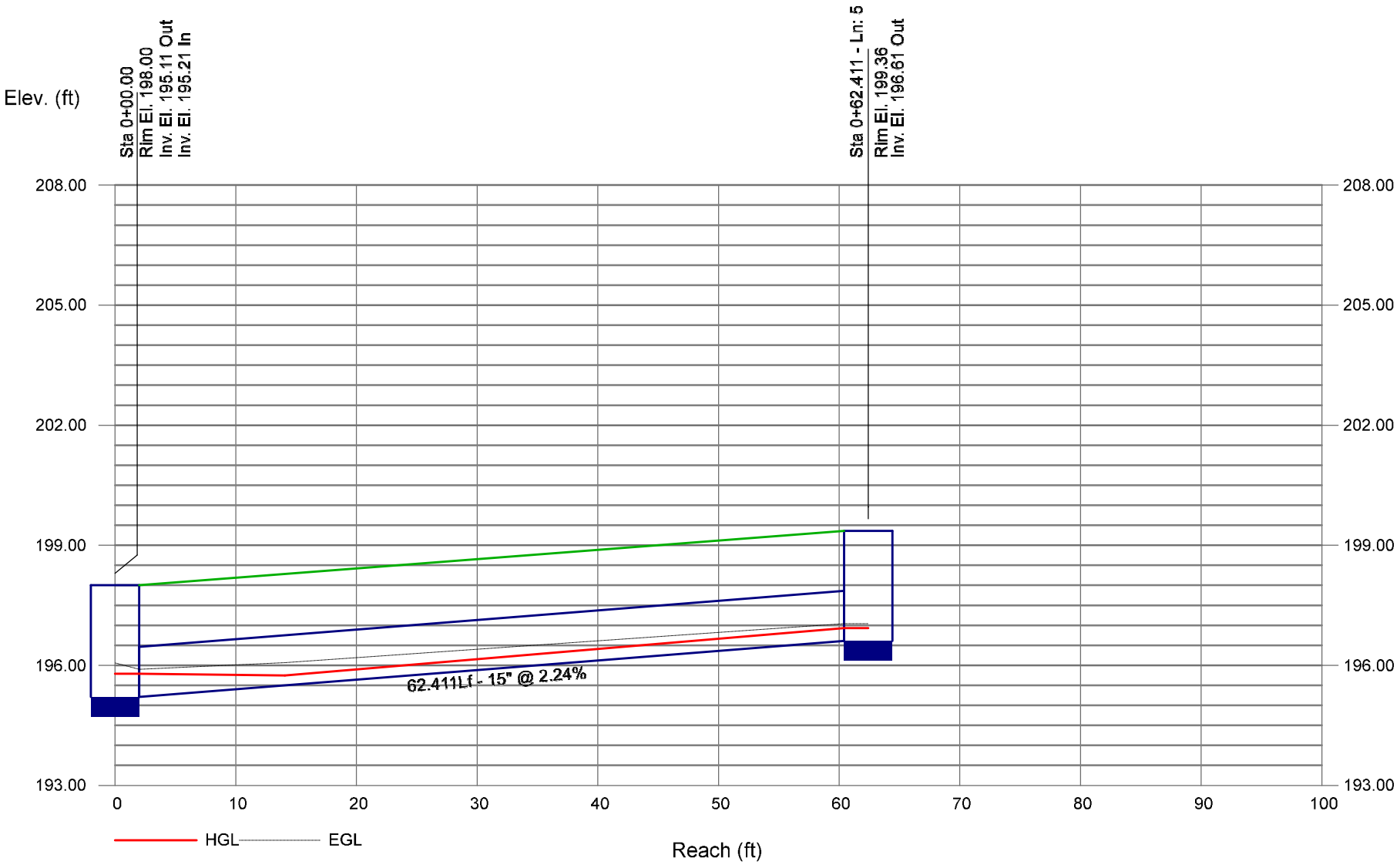
Storm Sewer Profile

Proj. file: 31B-inflow.stm

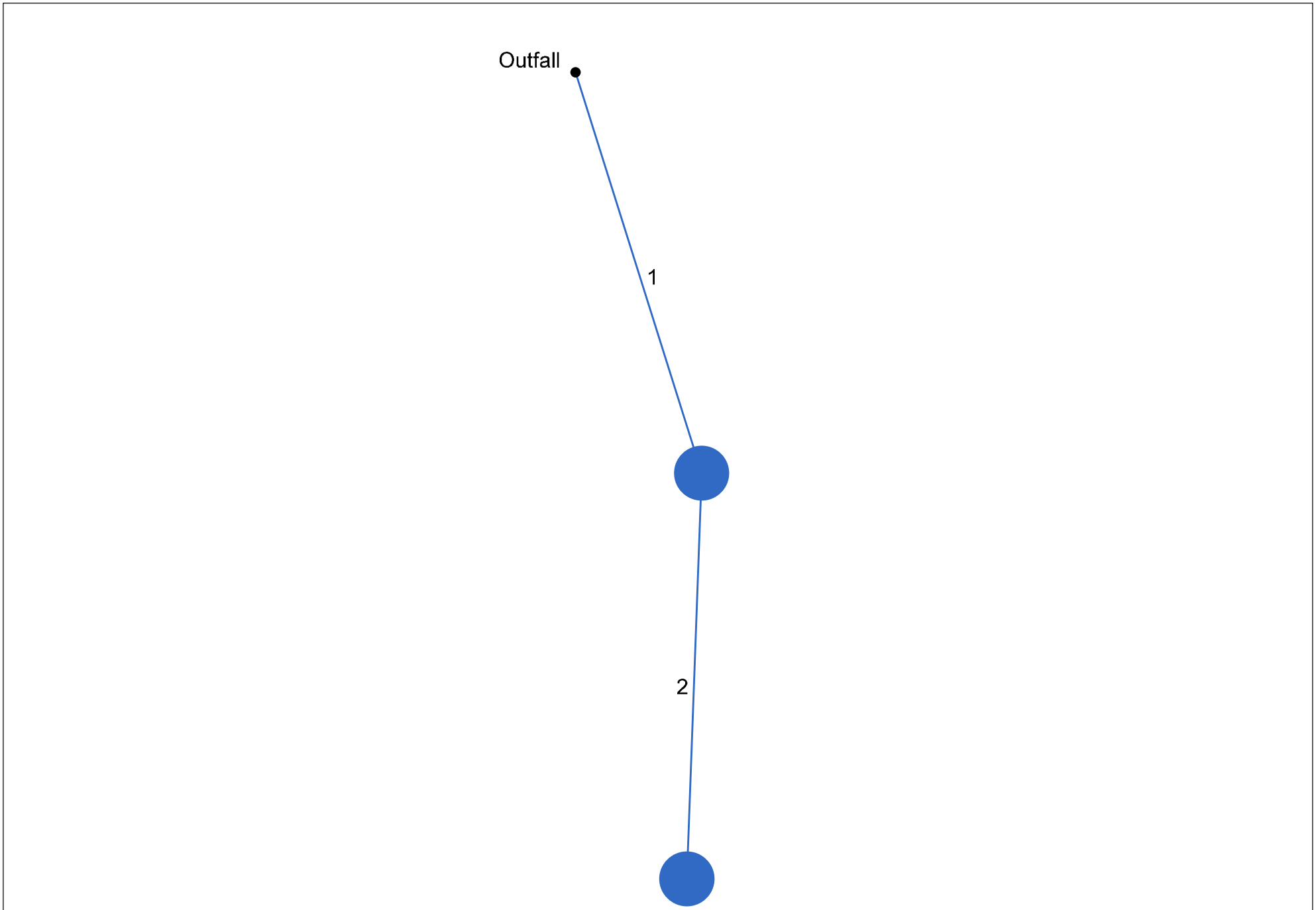


Storm Sewer Profile

Proj. file: 31B-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Tabulation

Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	27.711	0.61	0.97	0.98	0.60	0.95	10.0	10.2	6.9	6.56	6.51	6.05	15	0.87	187.00	187.24	188.03	188.28	188.94	189.96	Pipe - (373)
2	1	26.759	0.36	0.36	0.98	0.35	0.35	10.0	10.0	6.9	2.45	10.12	2.98	15	2.09	187.34	187.90	188.60	188.53	189.96	190.69	Pipe - (372)

Project File: 33A-inflow.stm

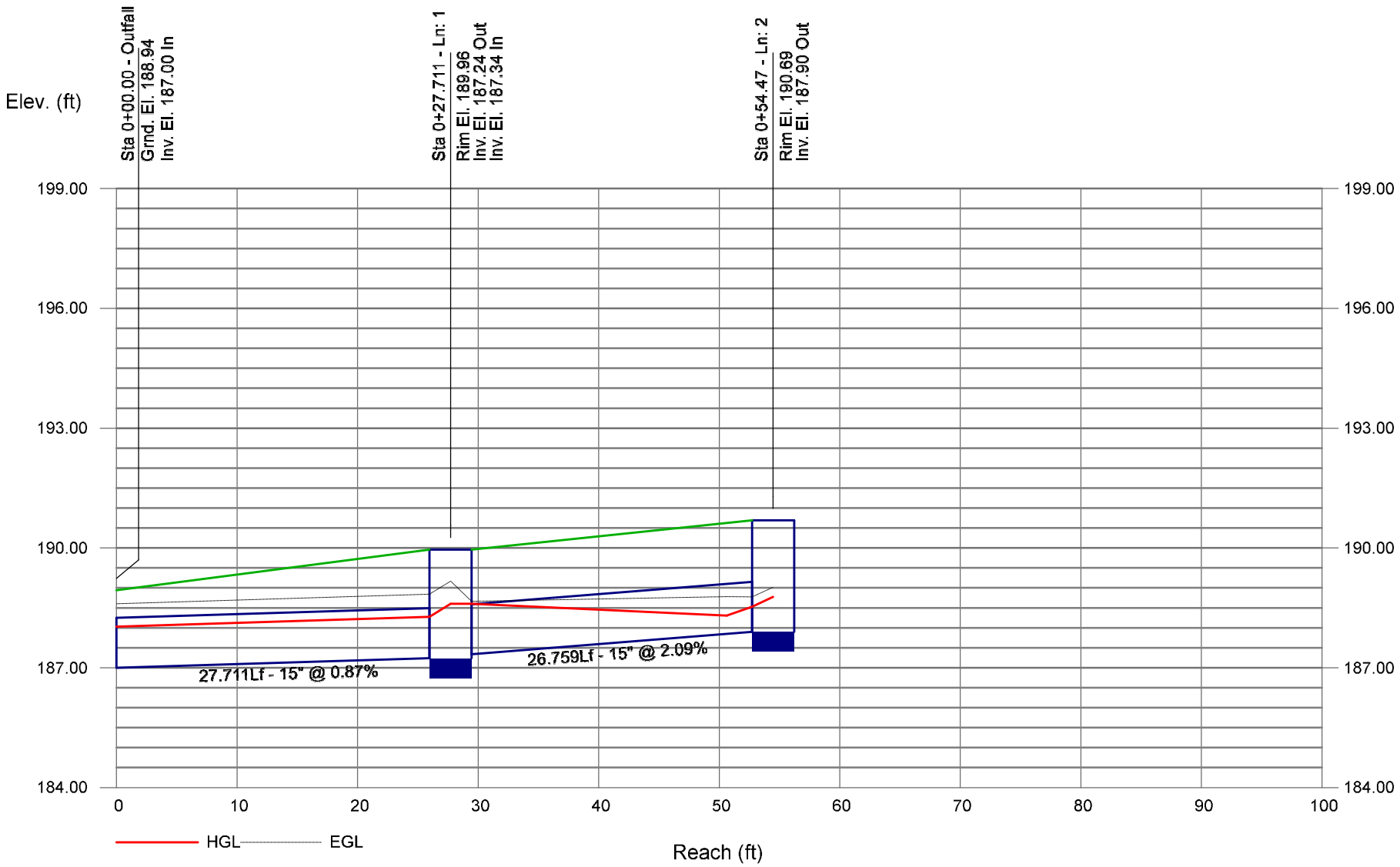
Number of lines: 2

Run Date: 9/25/2025

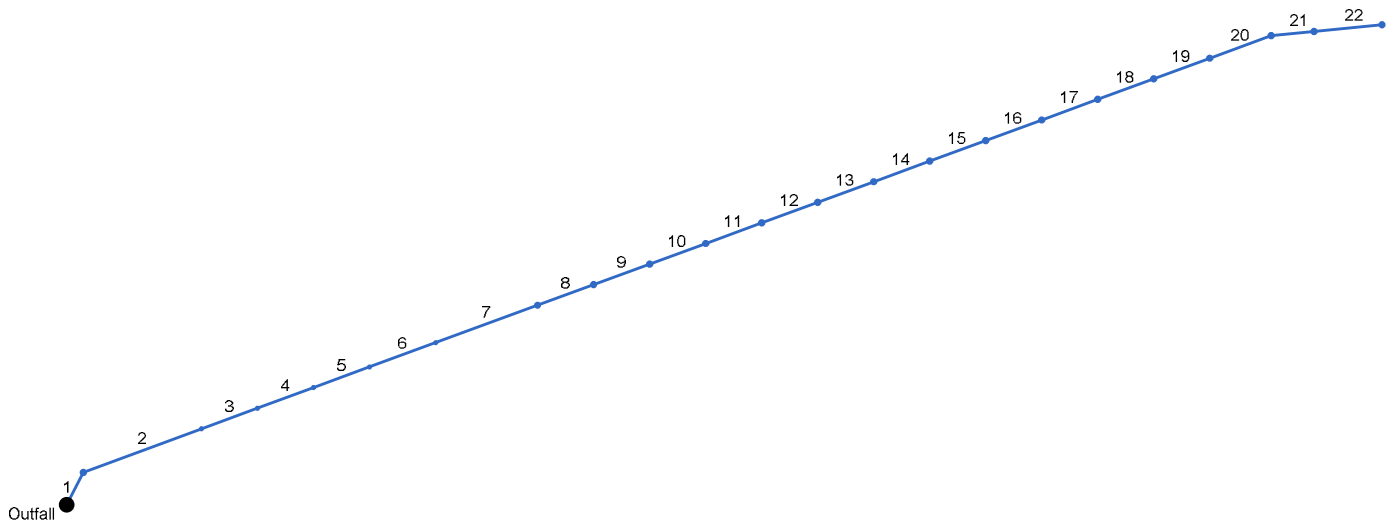
NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 33A-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Project File: 33B-inflow.stm	Number of lines: 22	Date: 9/25/2025

Storm Sewer Tabulation

Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	33.696	0.00	2.47	0.00	0.00	1.83	0.0	18.5	5.5	10.09	23.50	5.47	24	0.92	186.25	186.56	187.39	187.70	188.94	190.73	Proposed Storm-P
2	1	115.910	0.00	2.47	0.00	0.00	1.83	0.0	18.0	5.6	10.23	17.33	5.62	24	0.50	186.66	187.24	187.77	188.38	190.73	192.33	Proposed Storm-P
3	2	55.031	0.06	2.47	0.74	0.04	1.83	10.0	17.7	5.6	10.30	17.48	5.65	24	0.51	187.34	187.62	188.44	188.77	192.33	192.45	Proposed Storm-P
4	3	55.099	0.06	2.41	0.74	0.04	1.78	10.0	17.4	5.7	10.11	17.47	5.62	24	0.51	187.72	188.00	188.81	189.14	192.45	192.26	Proposed Storm-P
5	4	55.000	0.06	2.35	0.74	0.04	1.74	10.0	17.1	5.7	9.93	18.10	5.67	24	0.55	188.10	188.40	189.16	189.53	192.26	192.33	Proposed Storm-P
6	5	65.000	0.06	2.29	0.74	0.04	1.69	10.0	16.8	5.8	9.75	17.46	5.56	24	0.51	188.50	188.83	189.57	189.95	192.33	192.78	Proposed Storm-P
7	6	100.001	0.13	2.23	0.74	0.10	1.65	10.0	16.3	5.8	9.62	17.33	5.52	24	0.50	188.93	189.43	190.00	190.54	192.78	192.97	Pipe - (254)
8	7	55.000	0.14	2.10	0.74	0.10	1.55	10.0	16.0	5.9	9.13	17.48	5.46	24	0.51	189.53	189.81	190.56	190.89	192.97	193.13	Pipe - (253)
9	8	55.000	0.14	1.96	0.74	0.10	1.45	10.0	15.7	5.9	8.59	17.48	5.36	24	0.51	189.91	190.19	190.90	191.23	193.13	193.29	Pipe - (252)
10	9	55.000	0.14	1.82	0.74	0.10	1.35	10.0	15.3	6.0	8.05	17.48	5.26	24	0.51	190.29	190.57	191.24	191.58	193.29	193.72	Pipe - (251)
11	10	55.000	0.14	1.68	0.74	0.10	1.24	10.0	15.1	6.0	7.47	8.12	5.21	18	0.51	191.17	191.45	192.30	192.58	193.72	194.17	Pipe - (250)
12	11	55.000	0.14	1.54	0.74	0.10	1.14	10.0	14.9	6.0	6.89	8.12	4.64	18	0.51	191.55	191.83	192.80	192.95	194.17	194.47	Pipe - (249)
13	12	55.000	0.14	1.40	0.74	0.10	1.04	10.0	14.7	6.1	6.30	8.12	4.48	18	0.51	191.93	192.21	193.13	193.25	194.47	194.82	Pipe - (248)
14	13	55.000	0.14	1.26	0.74	0.10	0.93	10.0	14.4	6.1	5.71	8.12	4.47	18	0.51	192.31	192.59	193.43	193.53	194.82	196.06	Pipe - (247)
15	14	55.000	0.14	1.12	0.74	0.10	0.83	10.0	14.2	6.2	5.10	4.99	4.63	15	0.51	192.94	193.22	193.99	194.27	196.06	197.00	Pipe - (246)
16	15	55.000	0.14	0.98	0.74	0.10	0.73	10.0	13.9	6.2	4.49	4.99	4.05	15	0.51	193.32	193.60	194.44	194.61	197.00	197.70	Pipe - (245)
17	16	55.000	0.14	0.84	0.74	0.10	0.62	10.0	13.7	6.2	3.88	4.22	3.60	15	0.36	193.70	193.90	194.75	194.90	197.70	198.79	Pipe - (244)
18	17	55.000	0.14	0.70	0.74	0.10	0.52	10.0	13.3	6.3	3.26	4.99	3.49	15	0.51	194.00	194.28	195.01	195.09	198.79	199.40	Pipe - (243)
19	18	55.000	0.14	0.56	0.74	0.10	0.41	10.0	12.9	6.4	2.64	4.99	3.58	15	0.51	194.38	194.66	195.20	195.31	199.40	199.88	Pipe - (242)
20	19	60.298	0.14	0.42	0.74	0.10	0.31	10.0	12.4	6.5	2.01	4.93	3.78	15	0.50	194.76	195.06	195.32	195.62	199.88	200.56	Pipe - (241)
21	20	39.720	0.14	0.28	0.74	0.10	0.21	10.0	11.8	6.6	1.36	4.96	3.30	15	0.50	195.16	195.36	195.62	195.82	200.56	201.19	Pipe - (240)
22	21	62.843	0.14	0.14	0.74	0.10	0.10	10.0	10.0	6.9	0.72	4.99	2.60	15	0.51	195.46	195.78	195.82	196.11	201.19	202.13	Pipe - (239)

Project File: 33B-inflow.stm

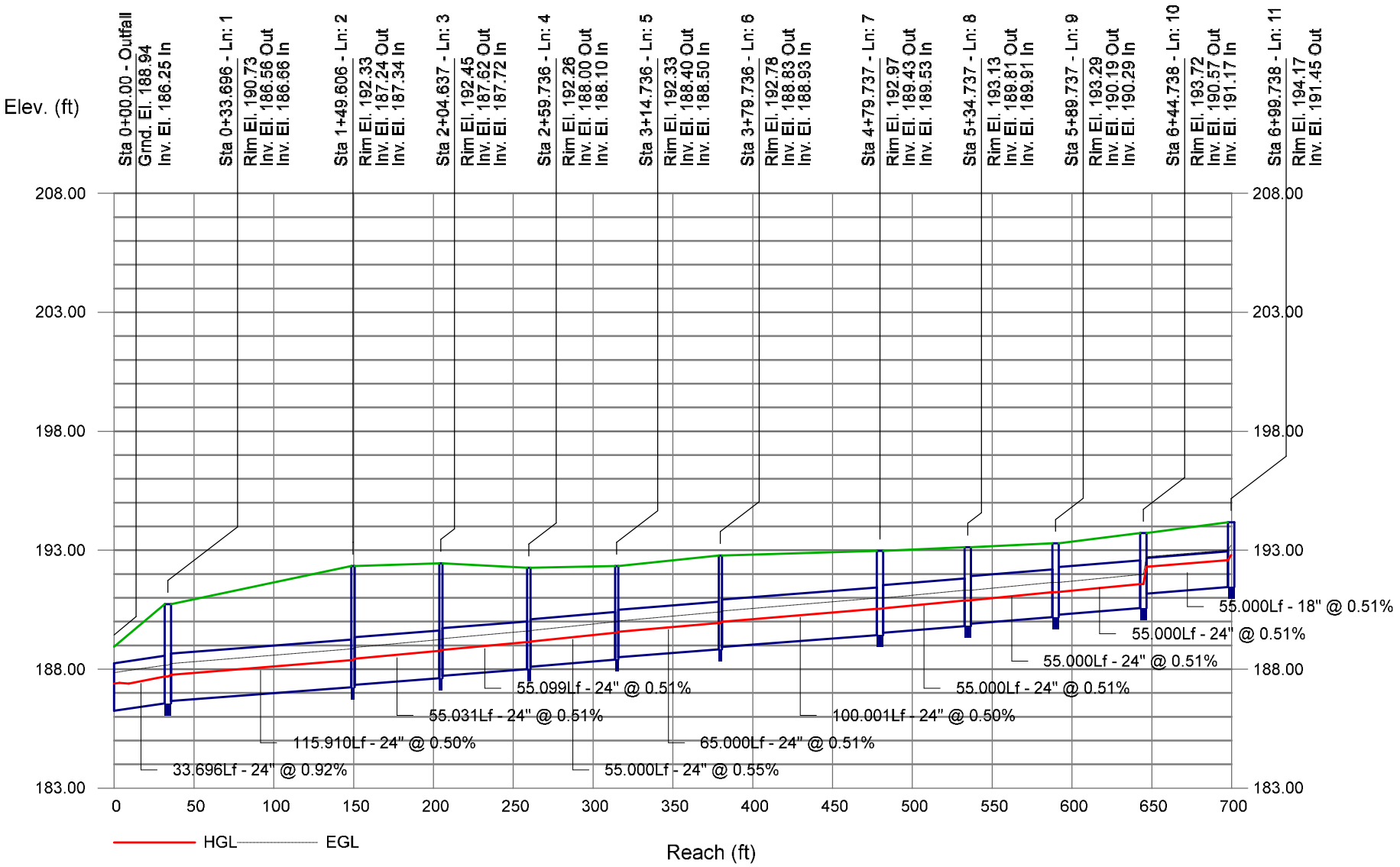
Number of lines: 22

Run Date: 9/25/2025

NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

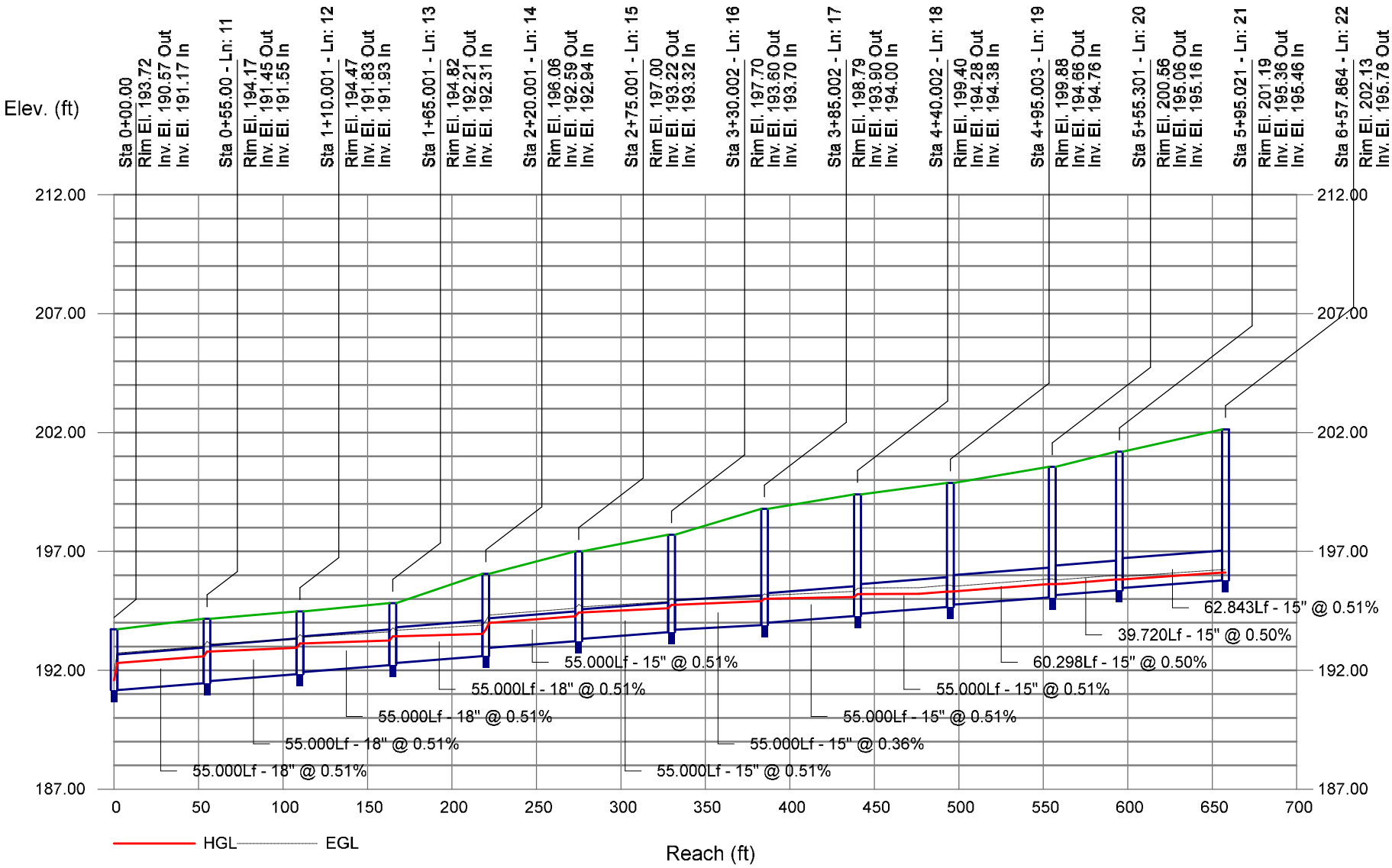
Storm Sewer Profile

Proj. file: 33B-inflow.stm

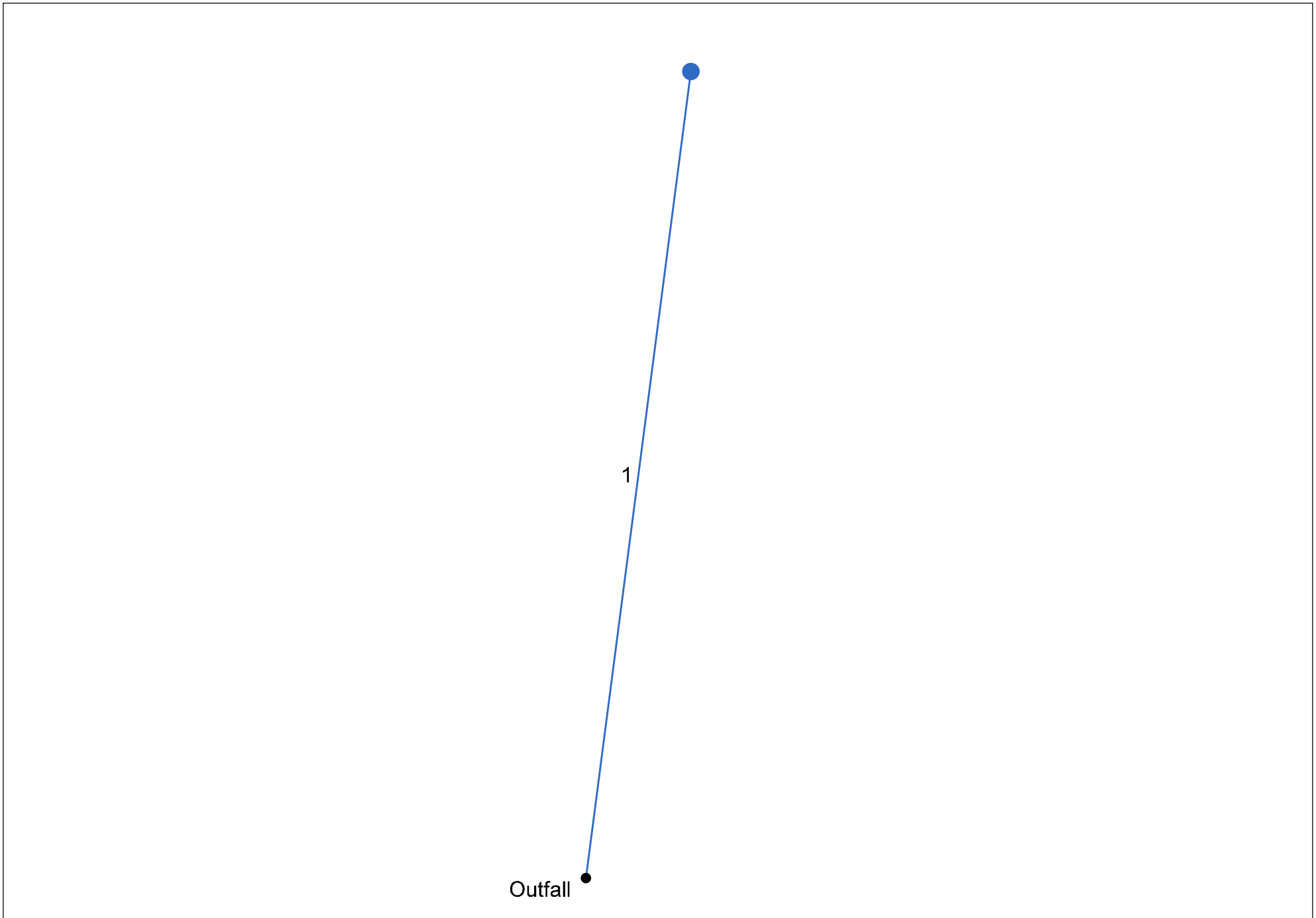


Storm Sewer Profile

Proj. file: 33B-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Project File: 33-outflow.stm	Number of lines: 1	Date: 9/25/2025

Storm Sewer Tabulation

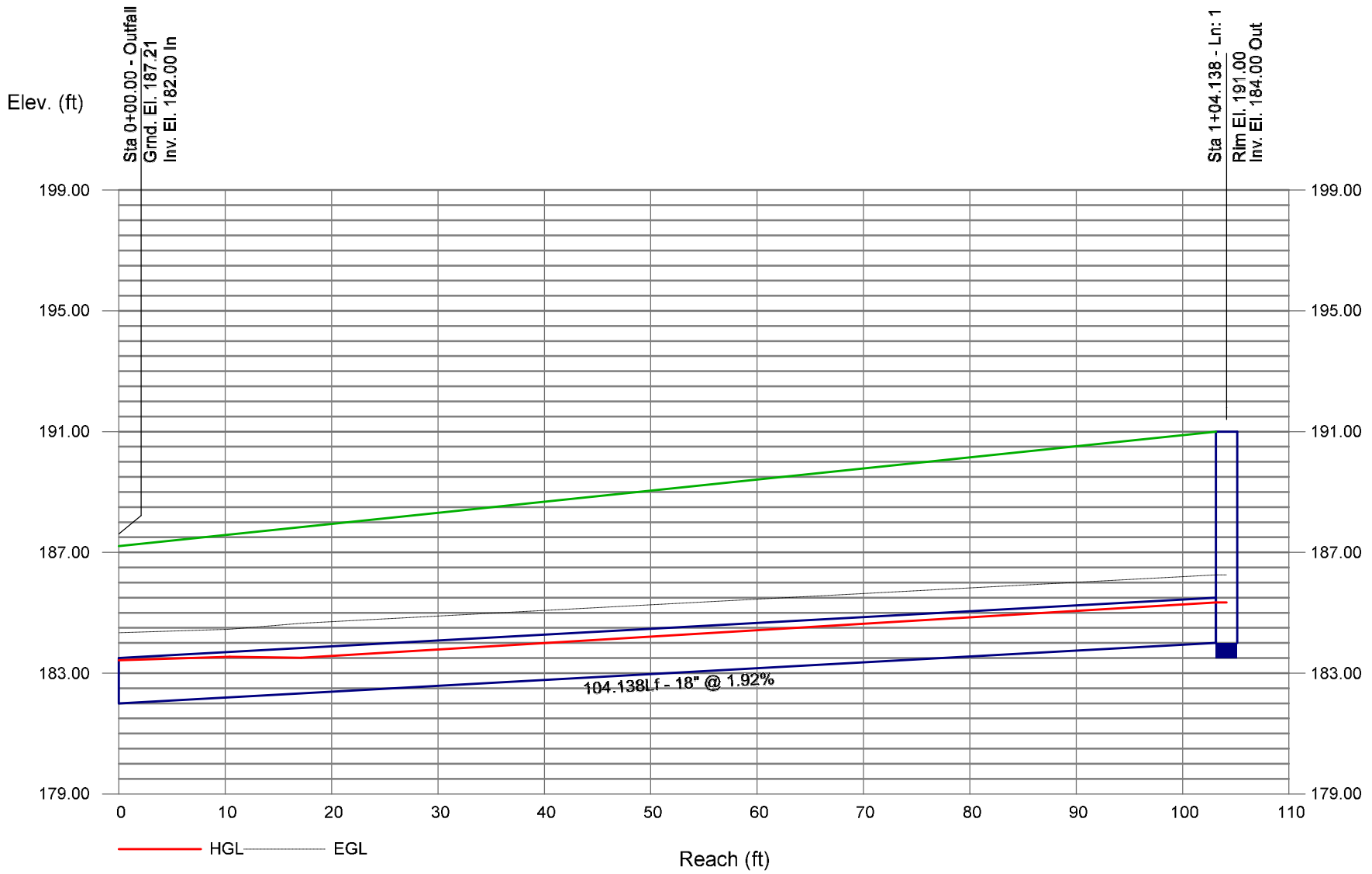
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	104.138	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	12.78	15.77	7.51	18	1.92	182.00	184.00	183.43	185.34	187.21	191.00	Pipe - (374)

Project File: 33-outflow.stm | Number of lines: 1 | Run Date: 9/25/2025

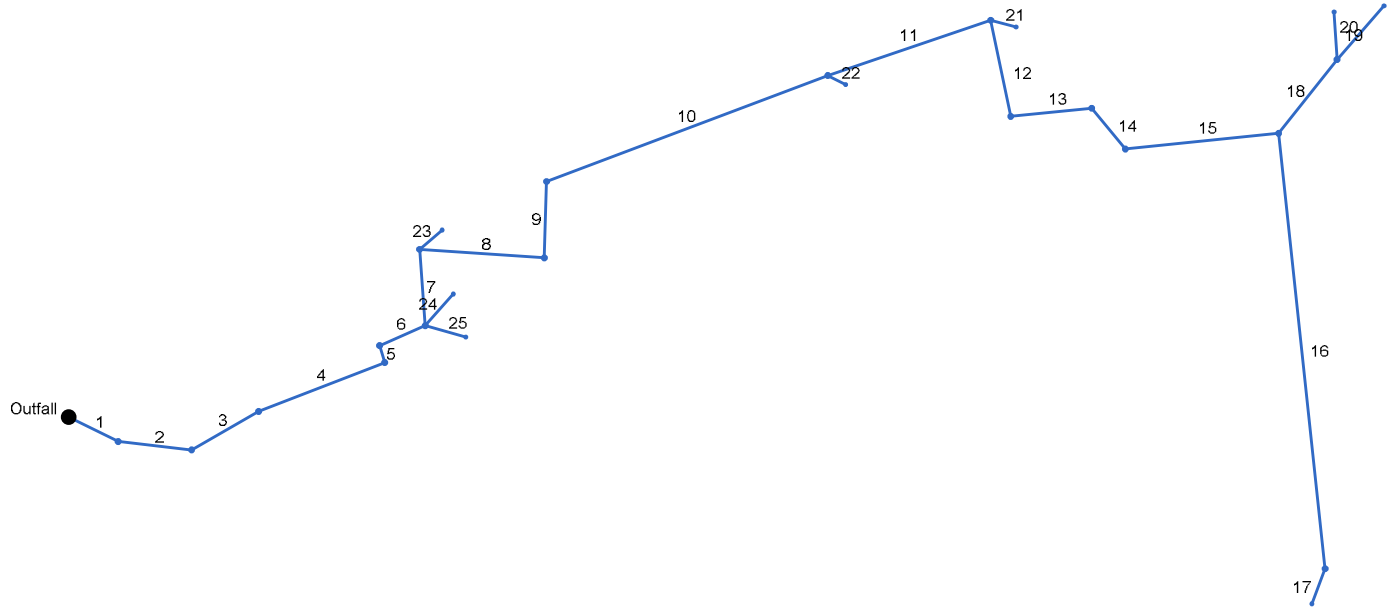
NOTES:Intensity = 127.16 / (Inlet time + 17.80) ^ 0.82; Return period =Yrs. 100 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 33-outflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Project File: 34-40-outflow.stm	Number of lines: 25	Date: 9/25/2025

Storm Sewer Tabulation

Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	54.316	0.00	0.00	0.00	0.00	0.00	0.0	10.7	0.0	79.86	198.9	6.55	60	0.50	183.00	183.27	186.73	185.80	189.21	196.41	Pipe - (344) (1) (1)
2	1	72.576	0.00	0.00	0.00	0.00	0.00	0.0	10.4	0.0	79.86	198.7	8.23	60	0.50	183.37	183.73	185.80	186.26	196.41	191.99	Pipe - (344) (1) (1)
3	2	76.088	0.00	0.00	0.00	0.00	0.00	0.0	10.1	0.0	79.86	199.4	8.23	60	0.50	183.83	184.21	186.26	186.74	191.99	192.24	Pipe - (344) (1) (1)
4	3	132.856	0.00	0.00	0.00	0.00	0.00	0.0	9.5	0.0	79.86	200.4	8.23	60	0.50	184.31	184.98	186.74	187.51	192.24	194.84	Pipe - (344) (1)
5	4	17.464	0.00	0.00	0.00	0.00	0.00	0.0	9.4	0.0	79.86	202.6	7.74	60	0.52	184.83	184.92	187.51	187.45	194.84	192.42	Proposed Storm-P
6	5	49.069	0.00	0.00	0.00	0.00	0.00	0.0	9.2	0.0	79.86	201.4	8.23	60	0.51	185.02	185.27	187.45	187.80	192.42	192.77	Proposed Storm-P
7	6	75.502	0.00	0.00	0.00	0.00	0.00	0.0	8.9	0.0	73.20	200.2	7.77	60	0.50	185.37	185.75	187.80	188.17	192.77	194.25	Proposed Storm-P
8	7	122.785	0.00	0.00	0.00	0.00	0.00	0.0	8.5	0.0	59.65	109.7	8.39	48	0.50	186.85	187.46	188.95	189.78	194.25	194.50	Proposed Storm-P
9	8	75.277	0.00	0.00	0.00	0.00	0.00	0.0	8.1	0.0	45.70	110.6	6.77	48	0.50	187.56	187.94	189.78	189.96	194.50	197.05	Proposed Storm-P
10	9	295.371	0.00	0.00	0.00	0.00	0.00	0.0	6.8	0.0	45.70	109.8	7.41	48	0.50	188.04	189.51	189.96	191.53	197.05	194.71	Proposed Storm-P
11	10	169.104	0.00	0.00	0.00	0.00	0.00	0.0	5.9	0.0	41.20	109.7	6.91	48	0.50	189.61	190.45	191.53	192.37	194.71	197.17	Proposed Storm-P
12	11	96.760	0.00	0.00	0.00	0.00	0.00	0.0	5.4	0.0	30.84	76.77	7.06	42	0.50	191.05	191.53	192.59	193.25	197.17	204.50	Proposed Storm-P
13	12	79.966	0.00	0.00	0.00	0.00	0.00	0.0	5.0	0.0	30.84	77.08	6.84	42	0.50	191.63	192.03	193.25	193.75	204.50	204.50	Proposed Storm-P
14	13	52.064	0.00	0.00	0.00	0.00	0.00	0.0	4.7	0.0	30.84	77.02	6.84	42	0.50	192.13	192.39	193.75	194.11	204.50	204.75	Proposed Storm-P
15	14	151.355	0.00	0.00	0.00	0.00	0.00	0.0	3.9	0.0	30.84	76.72	6.84	42	0.50	192.49	193.24	194.11	194.96	204.75	205.90	Proposed Storm-P
16	15	431.882	0.00	0.00	0.00	0.00	0.00	0.0	0.2	0.0	6.03	33.99	6.39	24	1.92	194.84	203.15	195.41	204.02	205.90	209.00	Proposed Storm-P
17	16	37.013	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	6.03	18.70	7.28	18	2.70	204.00	205.00	204.59	205.95	209.00	209.00	Pipe - (260)
18	15	92.705	0.00	0.00	0.00	0.00	0.00	0.0	0.2	0.0	24.81	83.95	10.94	30	3.57	194.34	197.65	195.27	199.35	205.90	205.35	Proposed Storm-P
19	18	47.043	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	12.70	21.31	10.10	18	3.51	198.75	200.40	199.58	201.74	205.35	205.00	Proposed Storm-P
20	18	70.225	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	12.11	22.10	10.07	18	3.77	198.75	201.40	199.54	202.72	205.35	206.00	Proposed Storm-P
21	11	25.761	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	10.36	31.56	5.44	30	0.50	192.27	192.40	193.26	193.48	197.17	198.00	Proposed Storm-P
22	10	19.695	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	4.50	40.19	6.33	24	2.69	191.97	192.50	192.42	193.25	194.71	195.86	Pipe - (300)

Project File: 34-40-outflow.stm | Number of lines: 25 | Run Date: 9/25/2025

NOTES:Intensity = 127.16 / (Inlet time + 17.80) ^ 0.82; Return period =Yrs. 100 ; c = cir e = ellip b = box

Storm Sewer Tabulation

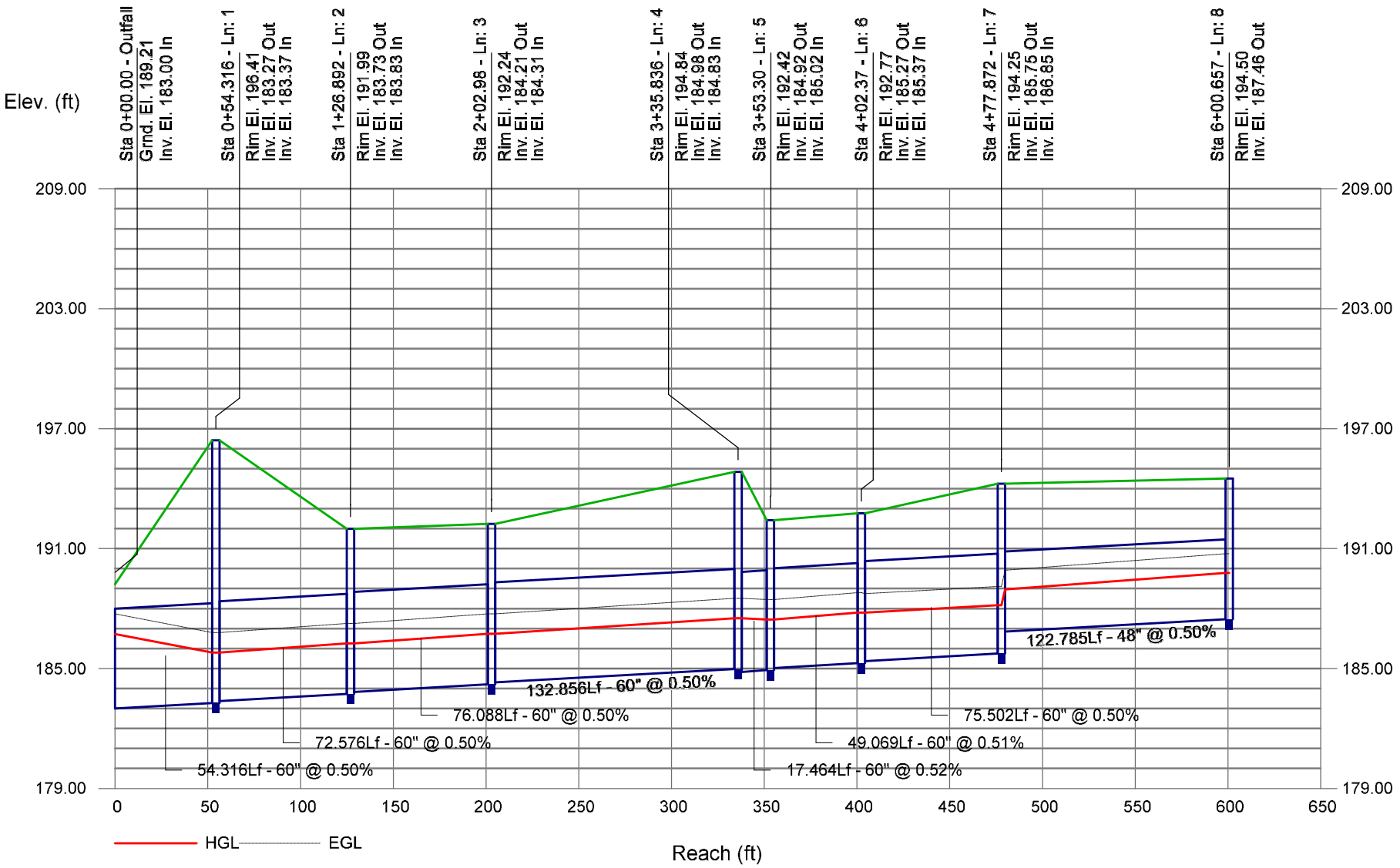
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
23	7	29.104	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	13.55	46.54	9.49	24	3.61	188.85	189.90	189.59	191.22	194.25	195.00	Proposed Storm-P
24	6	41.585	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	3.91	27.66	5.14	24	1.27	188.37	188.90	188.88	189.59	192.77	194.00	Proposed Storm-P
25	6	41.383	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	2.75	35.73	5.19	24	2.13	188.37	189.25	188.75	189.83	192.77	195.00	Proposed Storm-P

Project File: 34-40-outflow.stm | Number of lines: 25 | Run Date: 9/25/2025

NOTES:Intensity = 127.16 / (Inlet time + 17.80) ^ 0.82; Return period =Yrs. 100 ; c = cir e = ellip b = box

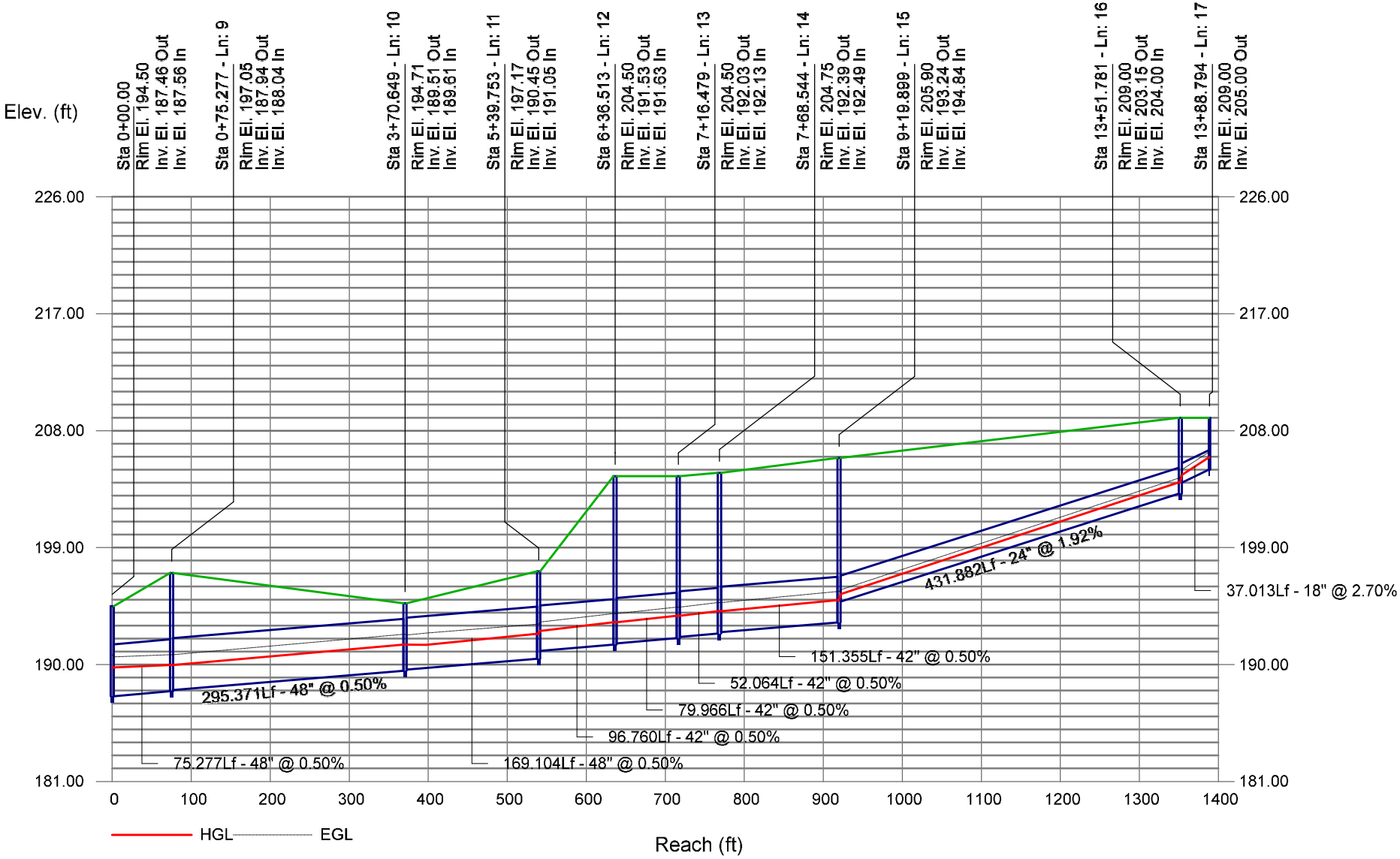
Storm Sewer Profile

Proj. file: 34-40-outflow.stm



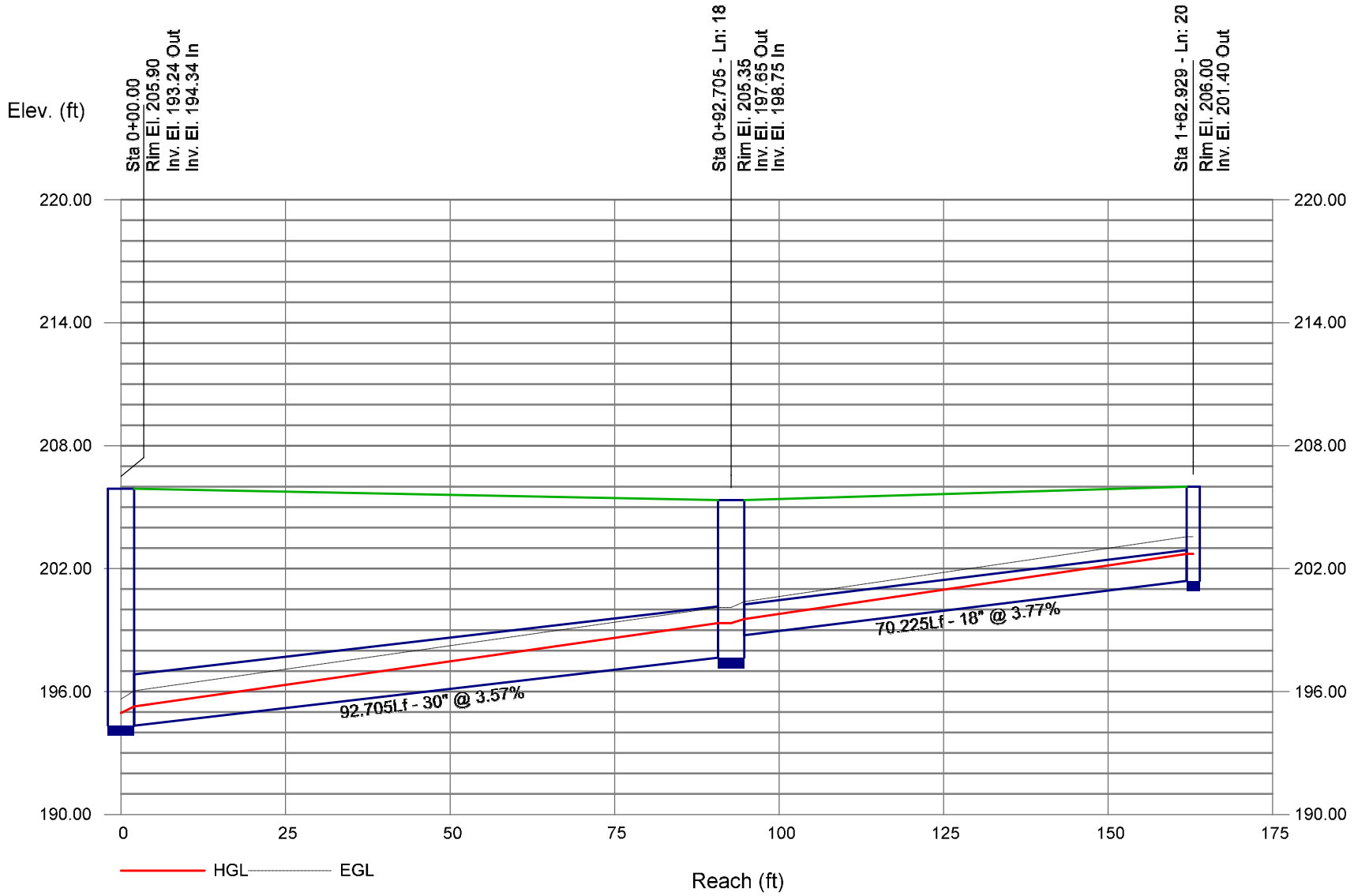
Storm Sewer Profile

Proj. file: 34-40-outflow.stm



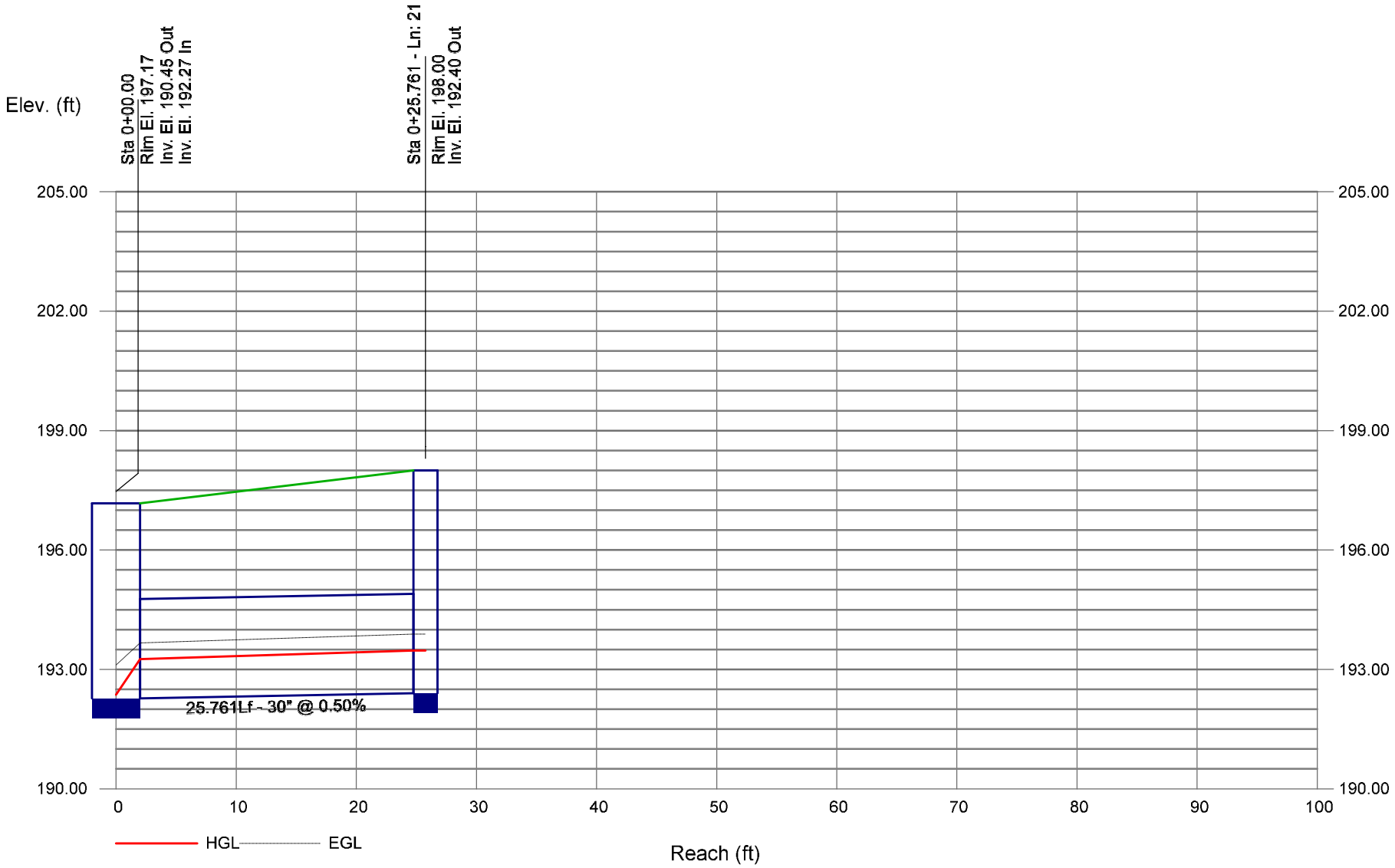
Storm Sewer Profile

Proj. file: 34-40-outflow.stm



Storm Sewer Profile

Proj. file: 34-40-outflow.stm



Storm Sewer Profile

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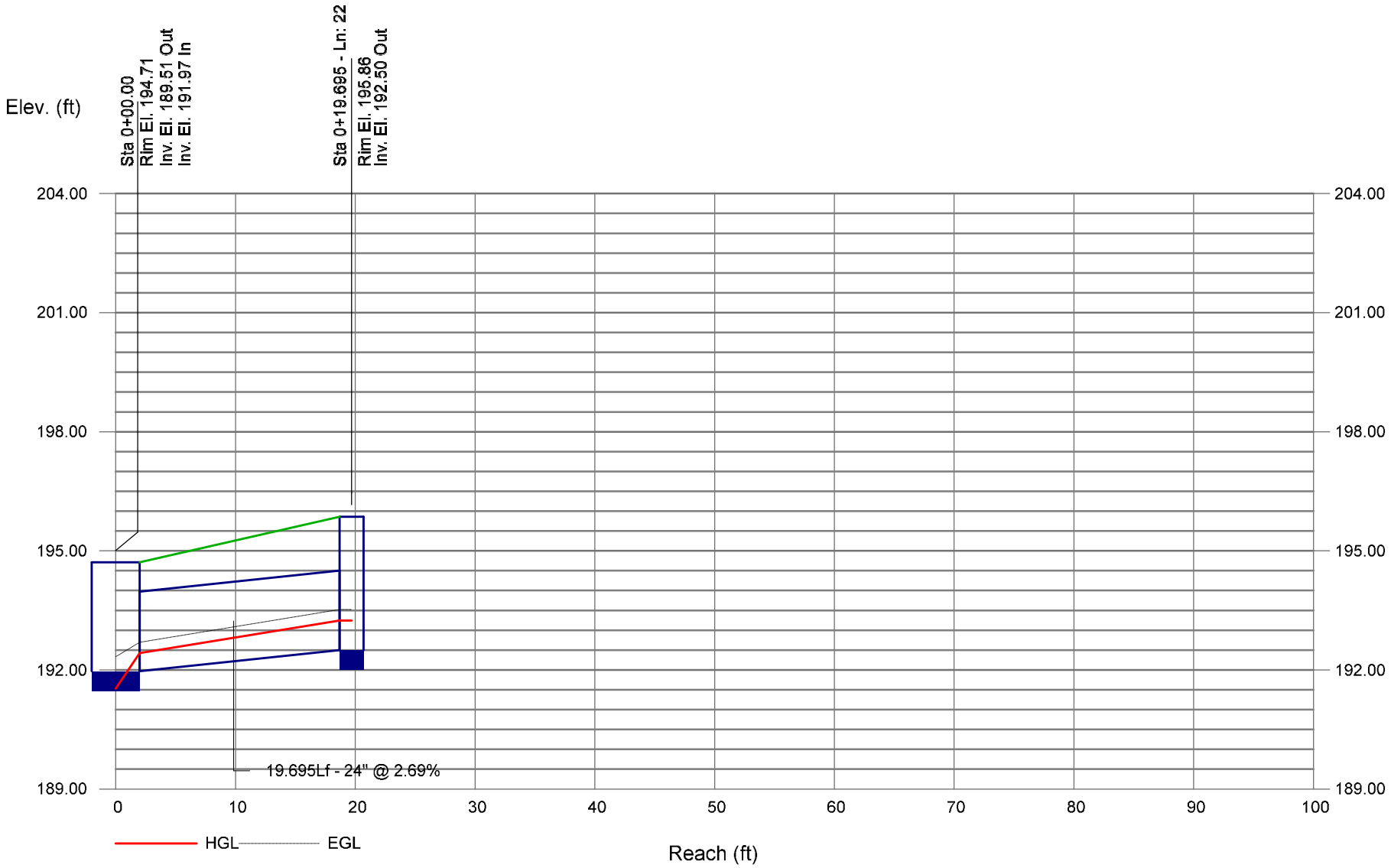

Storm Sewer Profile

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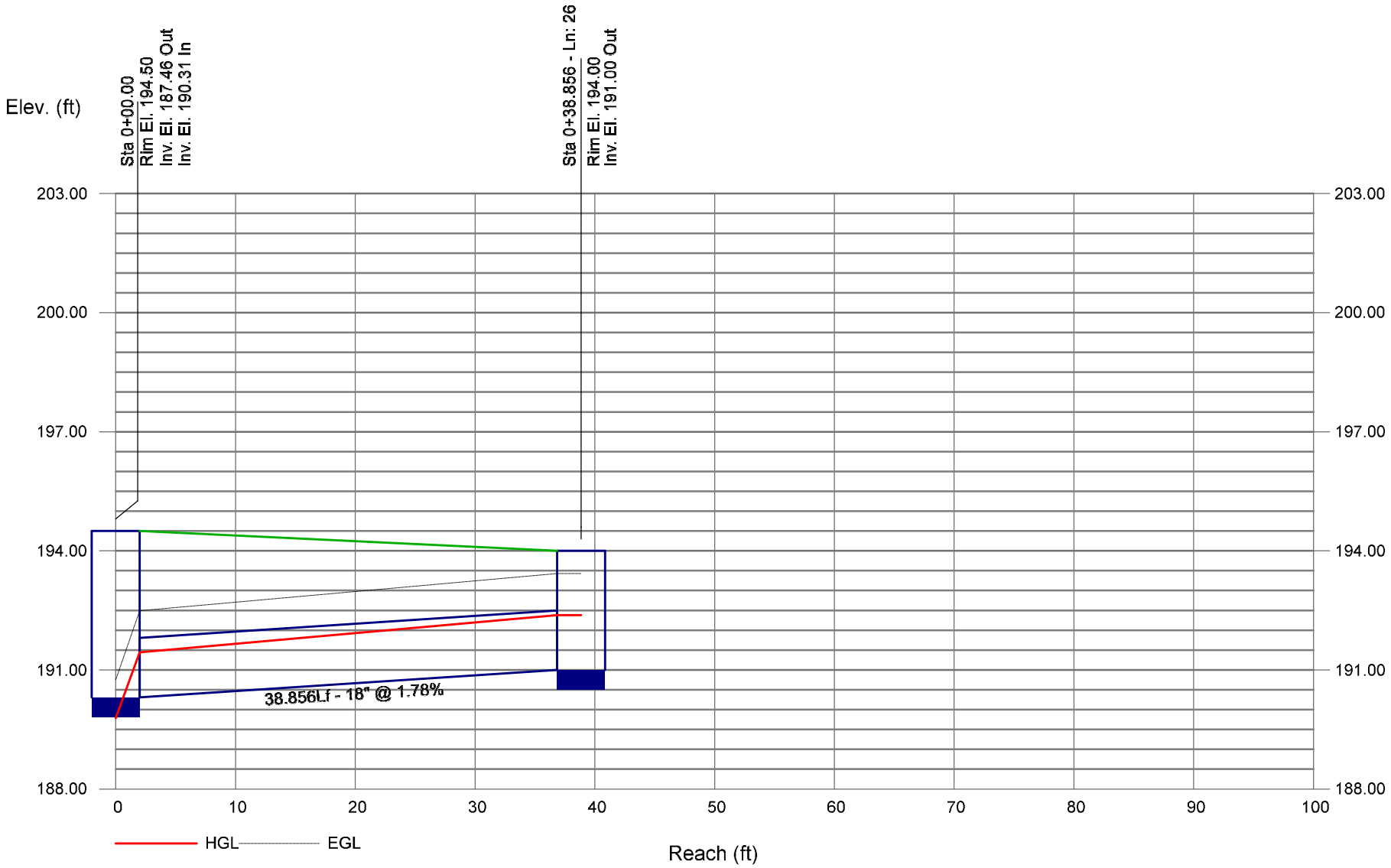

Storm Sewer Profile

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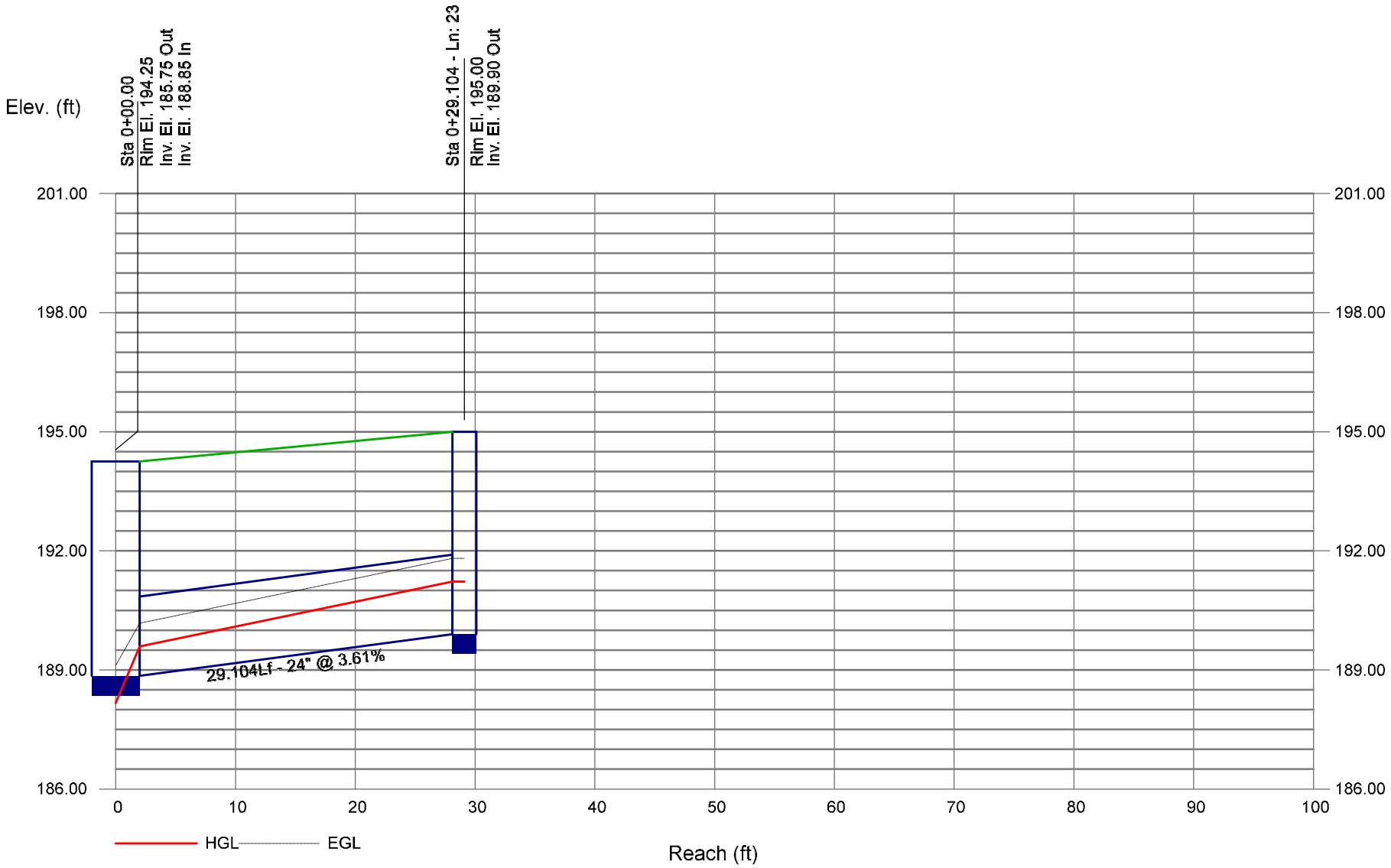

Storm Sewer Profile

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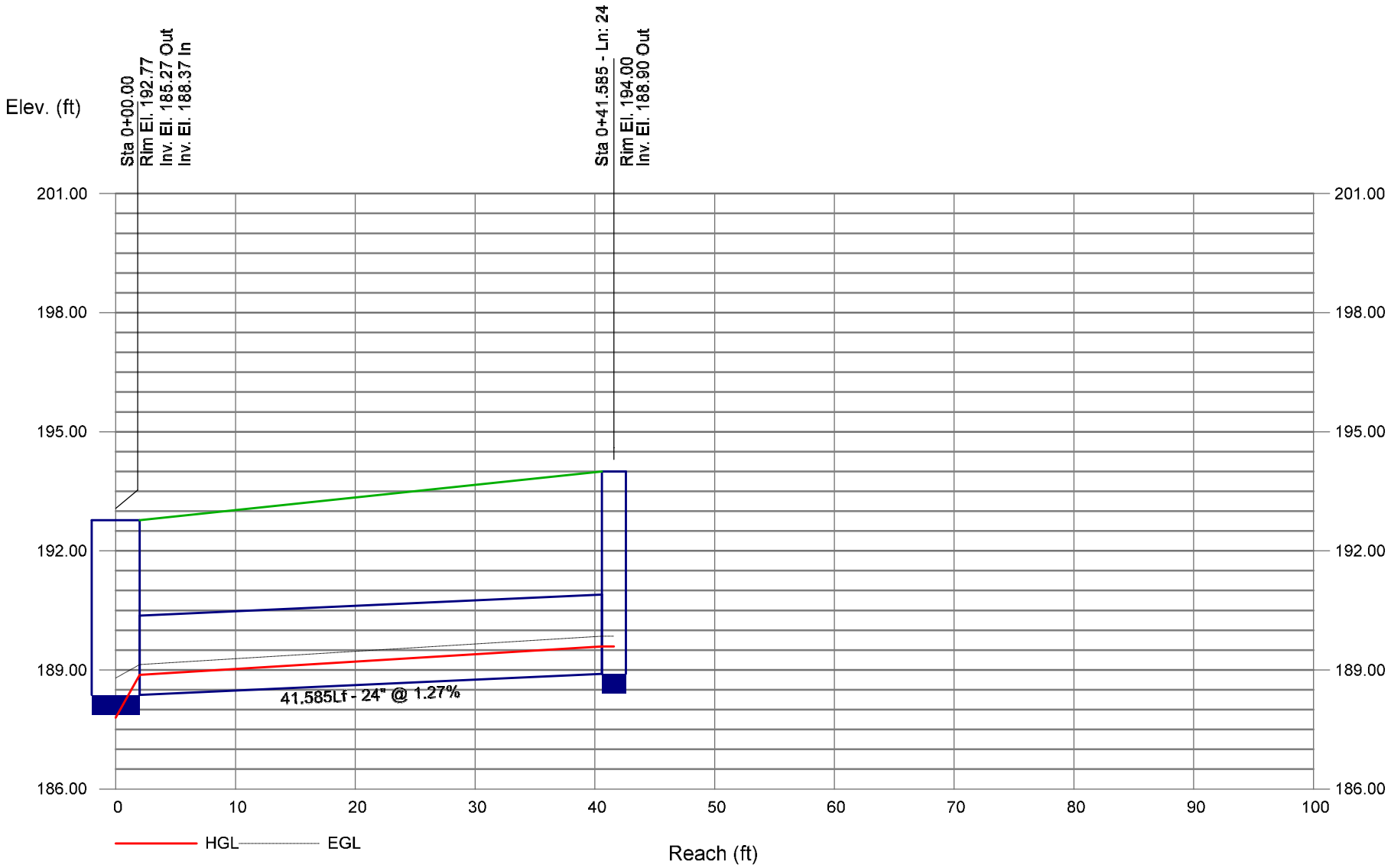

Storm Sewer Profile

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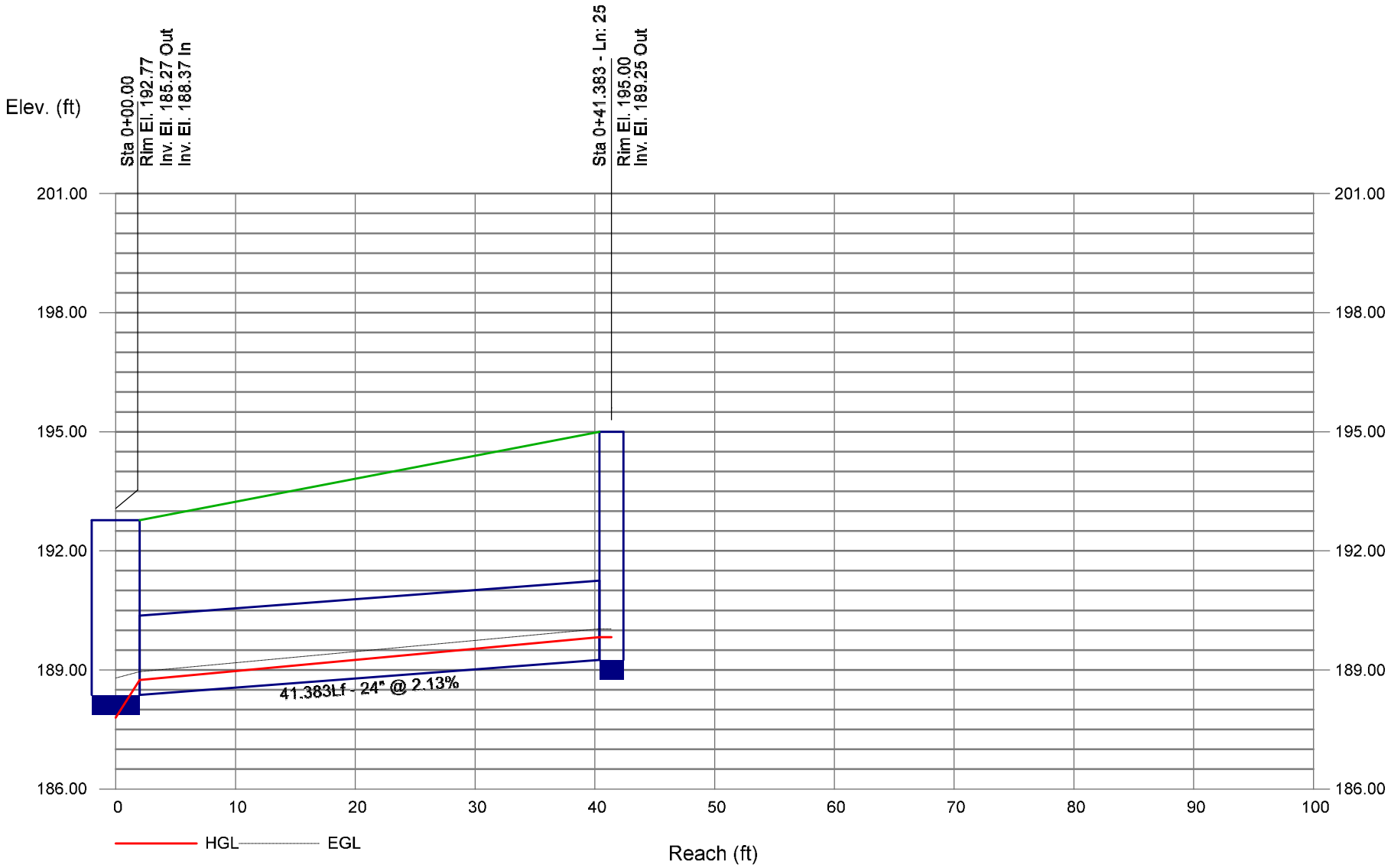
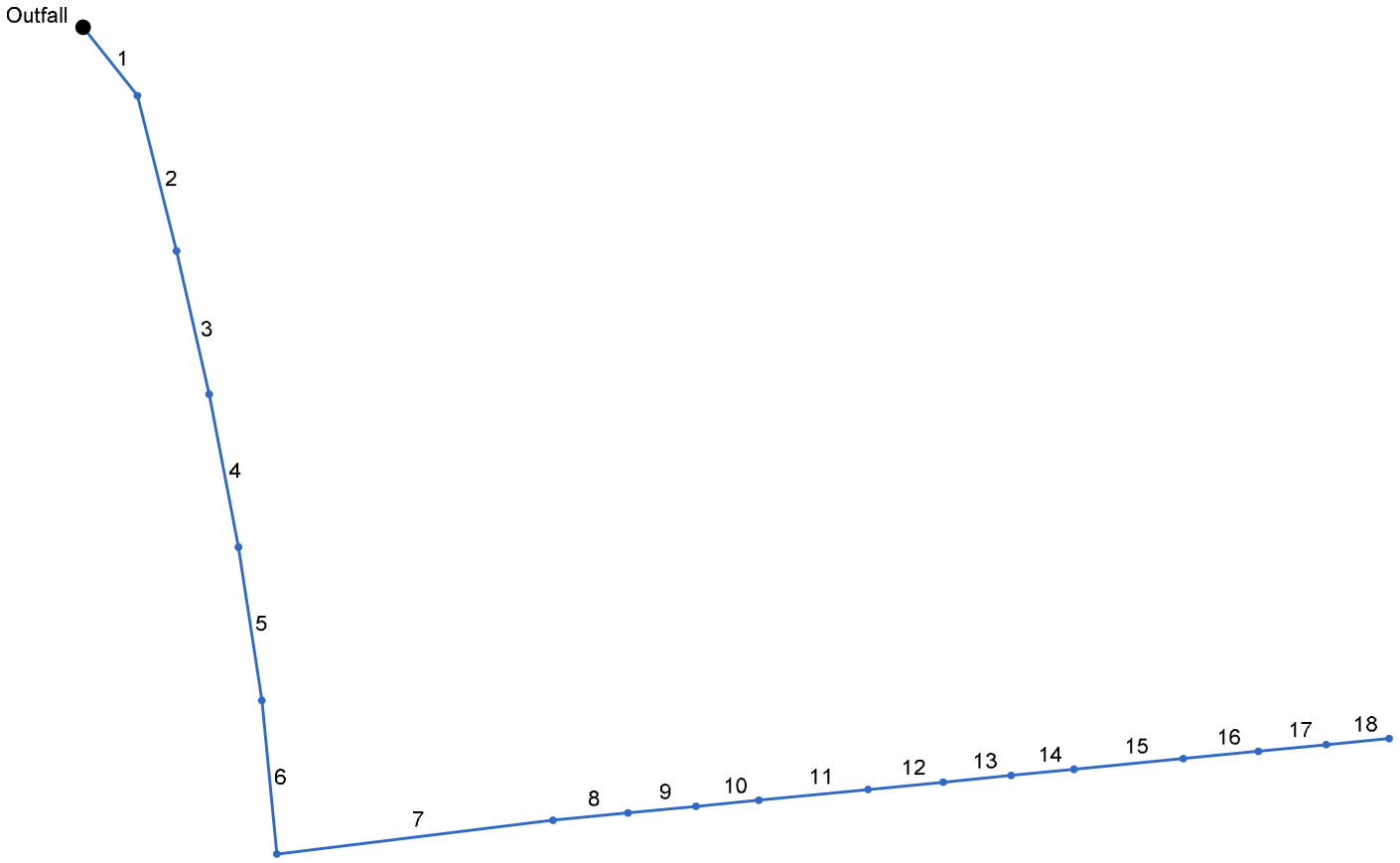


Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Tabulation

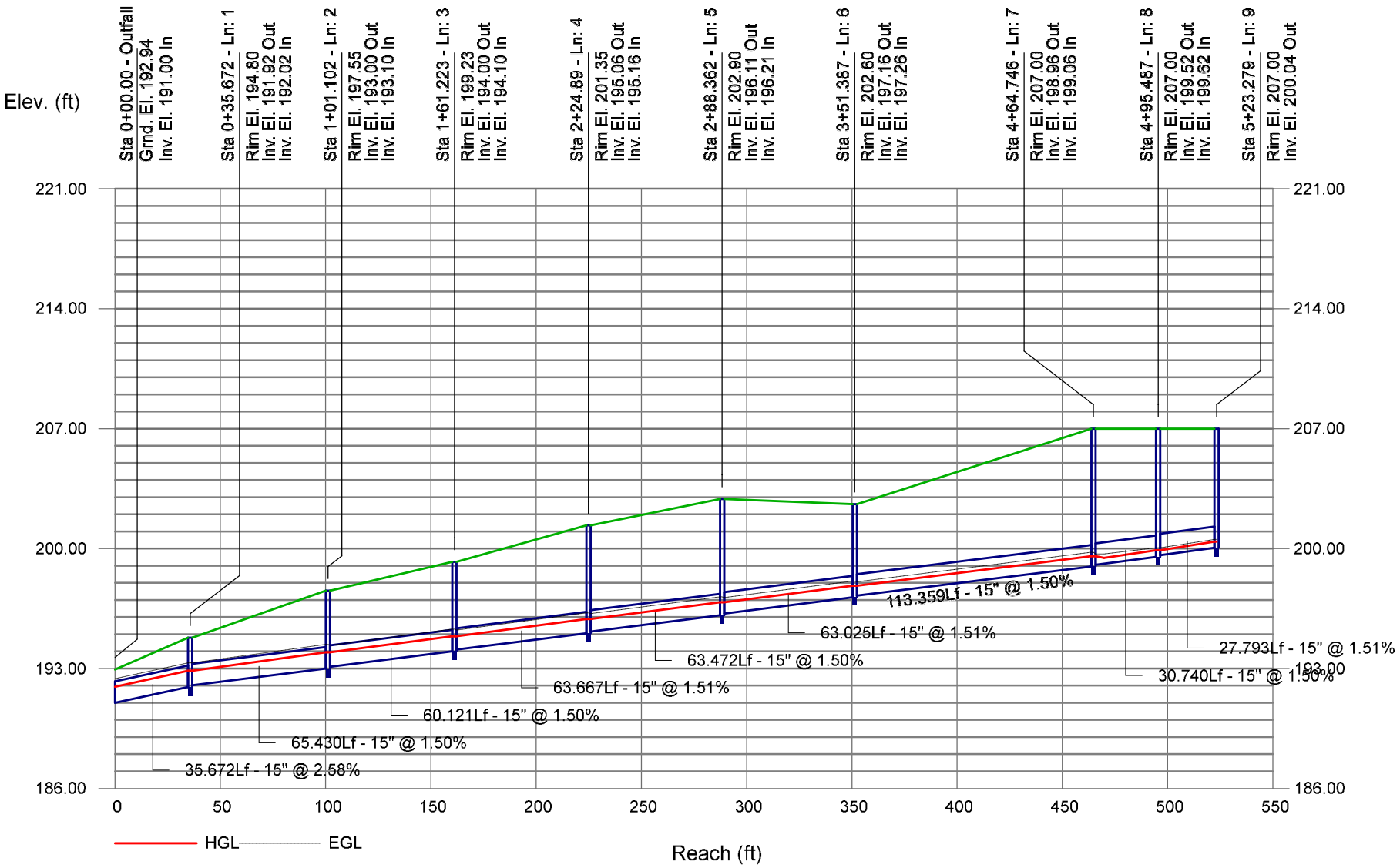
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	35.672	0.00	1.56	0.00	0.00	1.15	0.0	26.2	4.7	5.41	11.23	5.46	15	2.58	191.00	191.92	191.94	192.86	192.94	194.80	Proposed Storm-P
2	1	65.430	0.19	1.56	0.74	0.14	1.15	10.0	26.0	4.7	5.43	8.56	5.82	15	1.50	192.02	193.00	192.86	193.94	194.80	197.55	Proposed Storm-P
3	2	60.121	0.19	1.37	0.74	0.14	1.01	10.0	25.9	4.7	4.79	8.56	5.29	15	1.50	193.10	194.00	193.94	194.89	197.55	199.23	Proposed Storm-P
4	3	63.667	0.19	1.18	0.74	0.14	0.87	10.0	25.6	4.7	4.14	8.59	4.96	15	1.51	194.10	195.06	194.89	195.88	199.23	201.35	Proposed Storm-P
5	4	63.472	0.19	0.99	0.74	0.14	0.73	10.0	25.3	4.8	3.50	8.56	4.63	15	1.50	195.16	196.11	195.88	196.86	201.35	202.90	Proposed Storm-P
6	5	63.025	0.19	0.80	0.74	0.14	0.59	10.0	25.0	4.8	2.84	8.59	4.28	15	1.51	196.21	197.16	196.86	197.84	202.90	202.60	Pipe - (482)
7	6	113.359	0.34	0.61	0.74	0.25	0.45	10.0	24.2	4.9	2.20	8.57	3.91	15	1.50	197.26	198.96	197.84	199.55	202.60	207.00	Pipe - (466)
8	7	30.740	0.03	0.27	0.74	0.02	0.20	10.0	23.7	4.9	0.98	8.56	2.61	15	1.50	199.06	199.52	199.55	199.91	207.00	207.00	Pipe - (465)
9	8	27.793	0.03	0.24	0.74	0.02	0.18	10.0	23.3	5.0	0.88	8.60	3.51	15	1.51	199.62	200.04	199.91	200.41	207.00	207.00	Pipe - (464)
10	9	25.760	0.02	0.21	0.74	0.01	0.16	10.0	22.8	5.0	0.78	8.61	3.43	15	1.51	200.14	200.53	200.41	200.88	207.00	207.00	Pipe - (463)
11	10	44.707	0.02	0.19	0.74	0.01	0.14	10.0	21.8	5.1	0.72	8.56	3.50	15	1.50	200.63	201.30	200.88	201.63	207.00	207.50	Pipe - (462)
12	11	30.740	0.02	0.17	0.74	0.01	0.13	10.0	21.0	5.2	0.66	8.56	3.41	15	1.50	201.40	201.86	201.63	202.18	207.50	207.50	Pipe - (461)
13	12	27.793	0.03	0.15	0.74	0.02	0.11	10.0	20.3	5.3	0.59	8.60	3.31	15	1.51	201.96	202.38	202.18	202.68	207.50	207.50	Pipe - (460)
14	13	25.760	0.03	0.12	0.74	0.02	0.09	10.0	19.4	5.4	0.48	8.61	3.12	15	1.51	202.48	202.87	202.68	203.14	207.50	207.50	Pipe - (459)
15	14	44.707	0.02	0.09	0.74	0.01	0.07	10.0	17.4	5.7	0.38	8.56	2.91	15	1.50	202.97	203.64	203.15	203.88	207.50	208.00	Pipe - (458)
16	15	30.740	0.02	0.07	0.74	0.01	0.05	10.0	15.6	5.9	0.31	8.56	2.74	15	1.50	203.74	204.20	203.90	204.41	208.00	208.00	Pipe - (457)
17	16	27.793	0.02	0.05	0.74	0.01	0.04	10.0	13.4	6.3	0.23	8.60	2.53	15	1.51	204.30	204.72	204.44	204.91	208.00	208.00	Pipe - (456)
18	17	25.760	0.03	0.03	0.74	0.02	0.02	10.0	10.0	6.9	0.15	8.61	2.25	15	1.51	204.82	205.21	204.94	205.36	208.00	208.00	Pipe - (455)

Project File: 34-inflow.stm | Number of lines: 18 | Run Date: 9/25/2025

NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

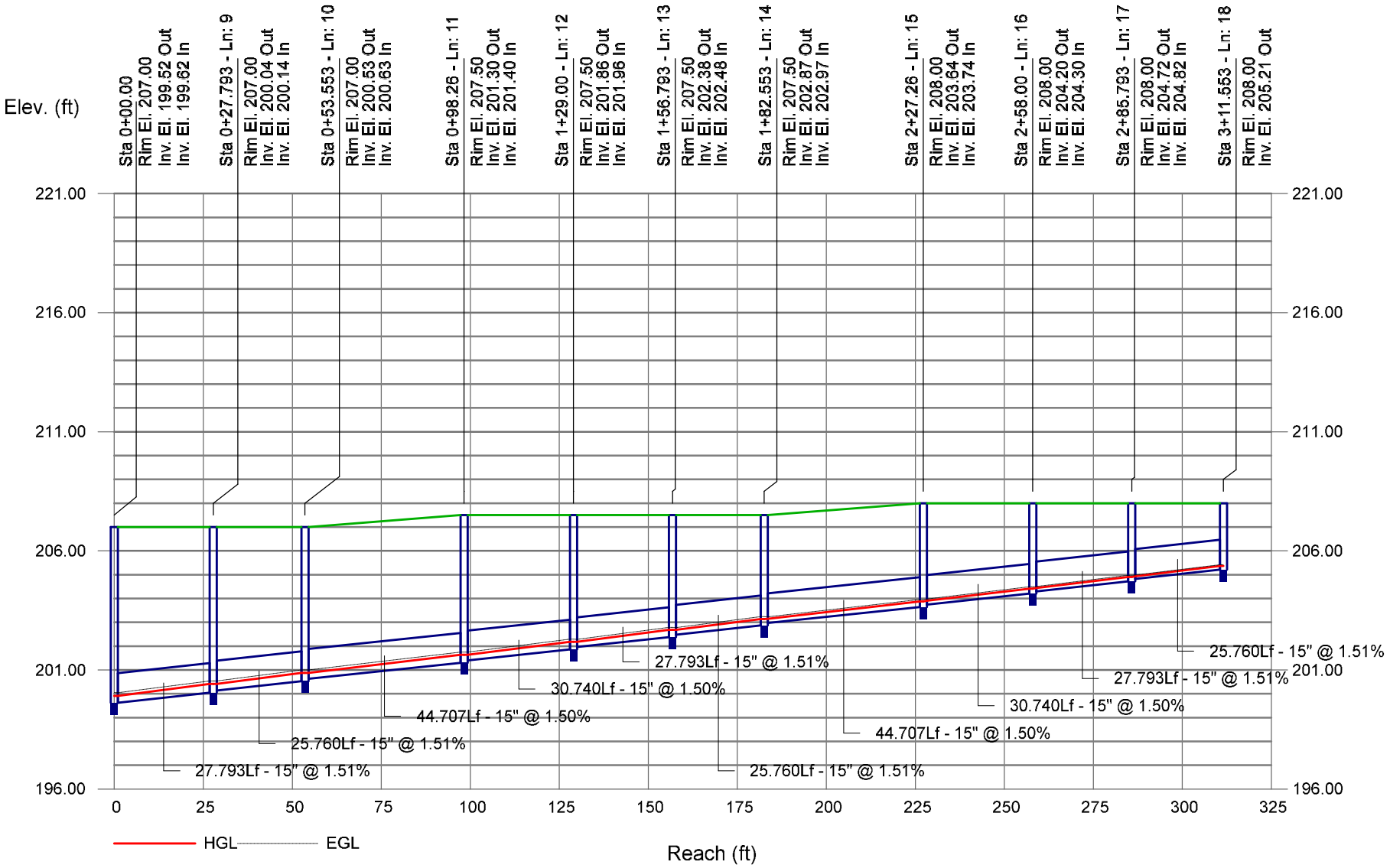
Storm Sewer Profile

Proj. file: 34-inflow.stm

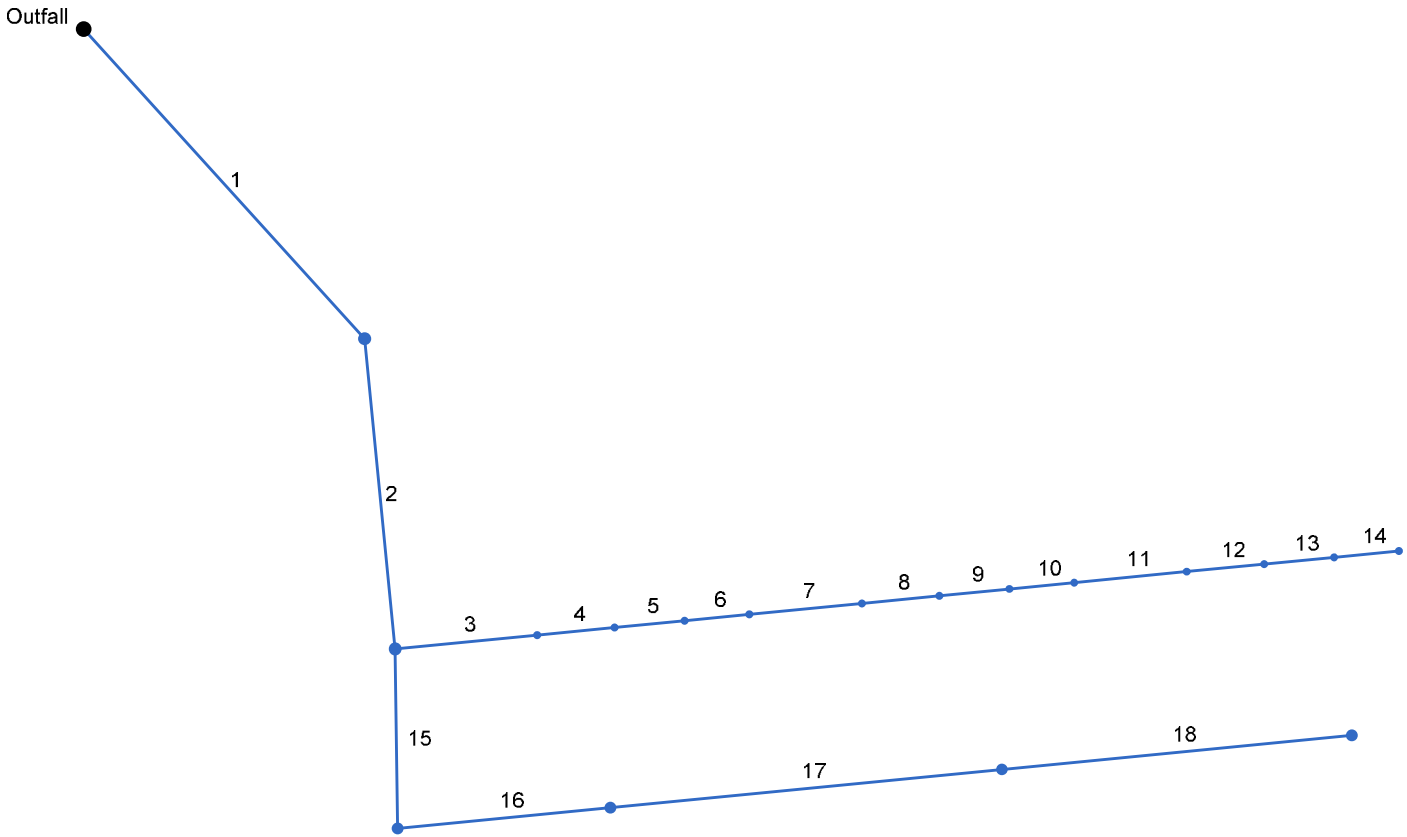


Storm Sewer Profile

Proj. file: 34-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Tabulation

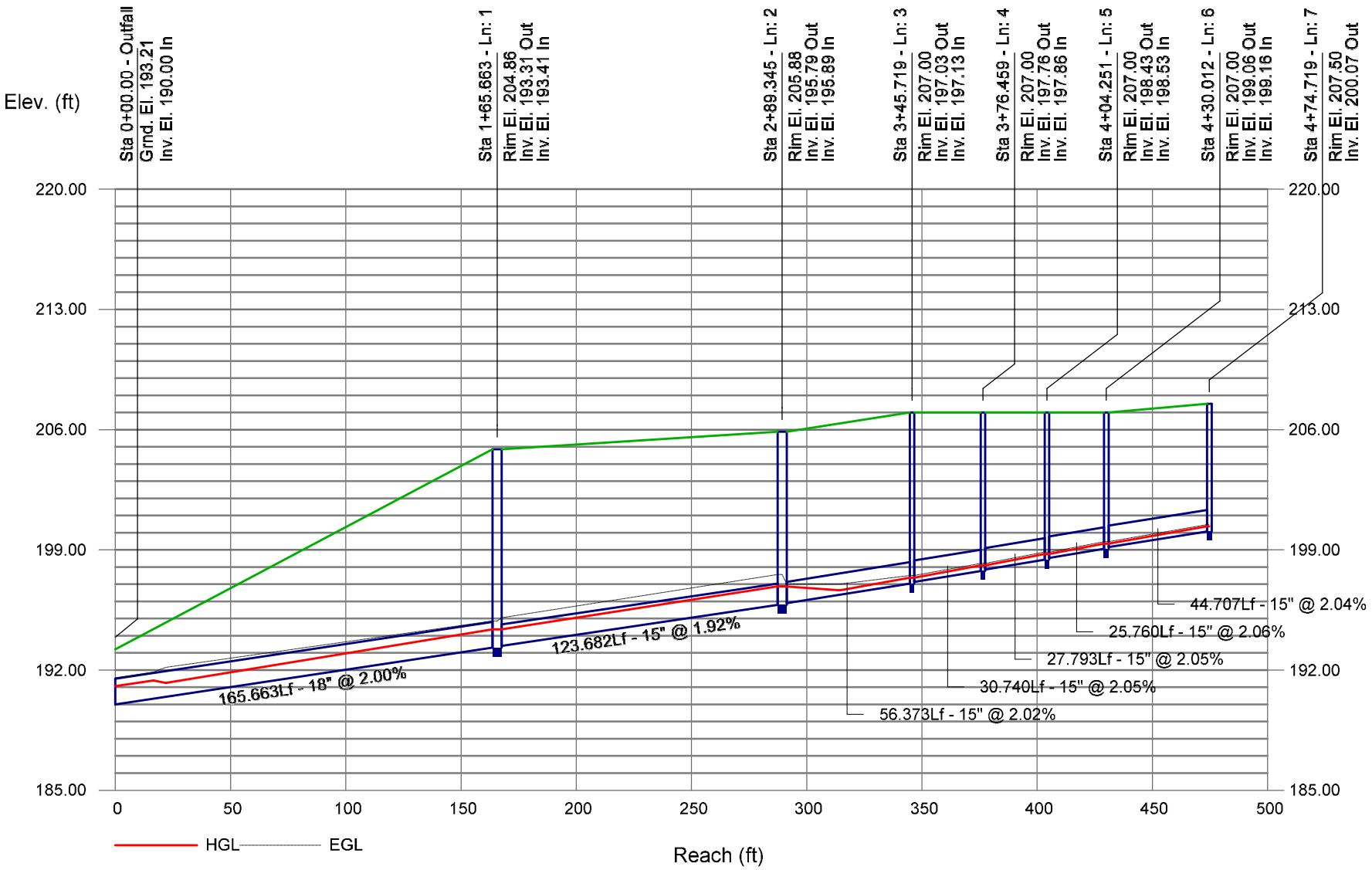
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	165.663	0.00	1.78	0.00	0.00	1.69	0.0	29.2	4.4	7.48	16.08	5.61	18	2.00	190.00	193.31	191.06	194.37	193.21	204.86	Pipe - (469)
2	1	123.682	0.00	1.78	0.74	0.00	1.69	10.0	29.0	4.5	7.51	9.70	7.03	15	1.92	193.41	195.79	194.37	196.88	204.86	205.88	Pipe - (468)
3	2	56.373	0.02	0.24	0.74	0.01	0.18	10.0	28.0	4.5	0.81	9.95	1.81	15	2.02	195.89	197.03	196.88	197.38	205.88	207.00	Pipe - (481)
4	3	30.740	0.02	0.22	0.74	0.01	0.16	10.0	27.4	4.6	0.75	10.01	3.51	15	2.05	197.13	197.76	197.38	198.10	207.00	207.00	Pipe - (480)
5	4	27.793	0.02	0.20	0.74	0.01	0.15	10.0	26.9	4.6	0.69	10.02	3.47	15	2.05	197.86	198.43	198.10	198.75	207.00	207.00	Pipe - (479)
6	5	25.760	0.02	0.18	0.74	0.01	0.13	10.0	26.3	4.7	0.62	10.03	3.43	15	2.06	198.53	199.06	198.75	199.37	207.00	207.00	Pipe - (478)
7	6	44.707	0.02	0.16	0.74	0.01	0.12	10.0	25.1	4.8	0.57	9.98	3.41	15	2.04	199.16	200.07	199.37	200.36	207.00	207.50	Pipe - (477)
8	7	30.740	0.02	0.14	0.74	0.01	0.10	10.0	24.2	4.9	0.51	10.01	3.35	15	2.05	200.17	200.80	200.36	201.08	207.50	207.50	Pipe - (476)
9	8	27.793	0.02	0.12	0.74	0.01	0.09	10.0	23.3	5.0	0.44	10.02	3.26	15	2.05	200.90	201.47	201.08	201.73	207.50	207.50	Pipe - (475)
10	9	25.760	0.02	0.10	0.74	0.01	0.07	10.0	22.2	5.1	0.38	10.03	3.07	15	2.06	201.56	202.09	201.73	202.33	207.50	207.50	Pipe - (474)
11	10	44.707	0.02	0.08	0.74	0.01	0.06	10.0	20.0	5.3	0.32	9.98	2.95	15	2.04	202.19	203.10	202.34	203.32	207.50	208.00	Pipe - (473)
12	11	30.740	0.02	0.06	0.74	0.01	0.04	10.0	17.9	5.6	0.25	10.01	2.76	15	2.05	203.20	203.83	203.34	204.02	208.00	208.00	Pipe - (472)
13	12	27.793	0.02	0.04	0.74	0.01	0.03	10.0	15.1	6.0	0.18	10.02	2.50	15	2.05	203.93	204.50	204.05	204.66	208.00	208.00	Pipe - (471)
14	13	25.760	0.02	0.02	0.74	0.01	0.01	10.0	10.0	6.9	0.10	10.03	1.37	15	2.06	204.50	205.03	204.66	205.15	208.00	208.00	Pipe - (470)
15	2	71.253	0.47	1.54	0.98	0.46	1.51	10.0	11.8	6.6	9.93	9.66	8.61	15	1.91	195.89	197.25	196.95	198.43	205.88	205.68	Pipe - (467)
16	15	84.500	0.21	1.07	0.98	0.21	1.05	10.0	11.6	6.6	6.95	9.72	6.22	15	1.93	197.35	198.98	198.43	200.04	205.68	206.10	Pipe - (488)
17	16	155.500	0.44	0.86	0.98	0.43	0.84	10.0	11.0	6.7	5.68	9.68	5.61	15	1.92	199.08	202.06	200.04	203.02	206.10	206.87	Pipe - (454)
18	17	139.000	0.42	0.42	0.98	0.41	0.41	10.0	10.0	6.9	2.86	9.70	3.68	15	1.92	202.16	204.83	203.02	205.51	206.87	207.62	Pipe - (487)

Project File: 35-inflow.stm | Number of lines: 18 | Run Date: 9/25/2025

NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

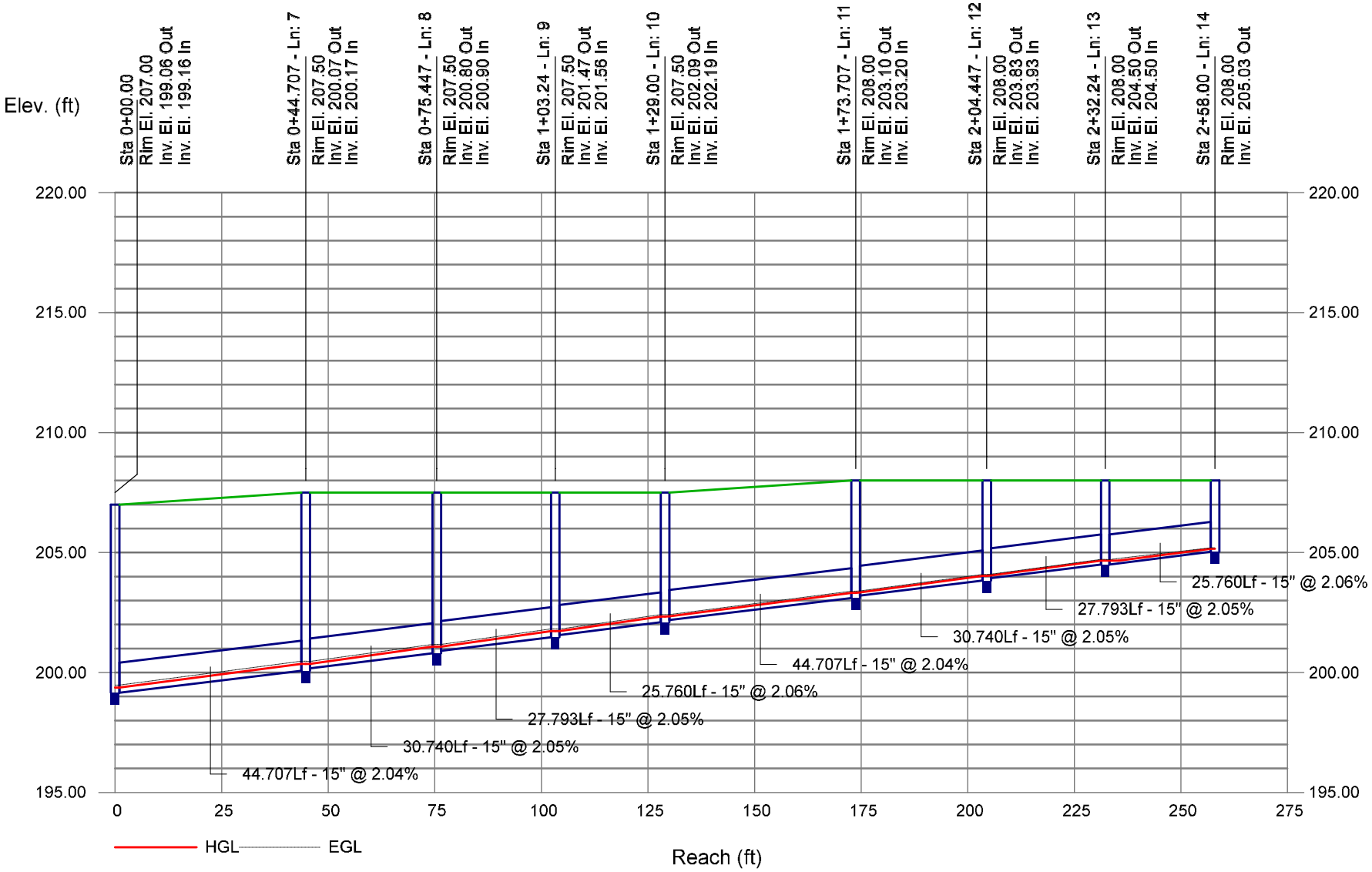
Storm Sewer Profile

Proj. file: 35-inflow.stm



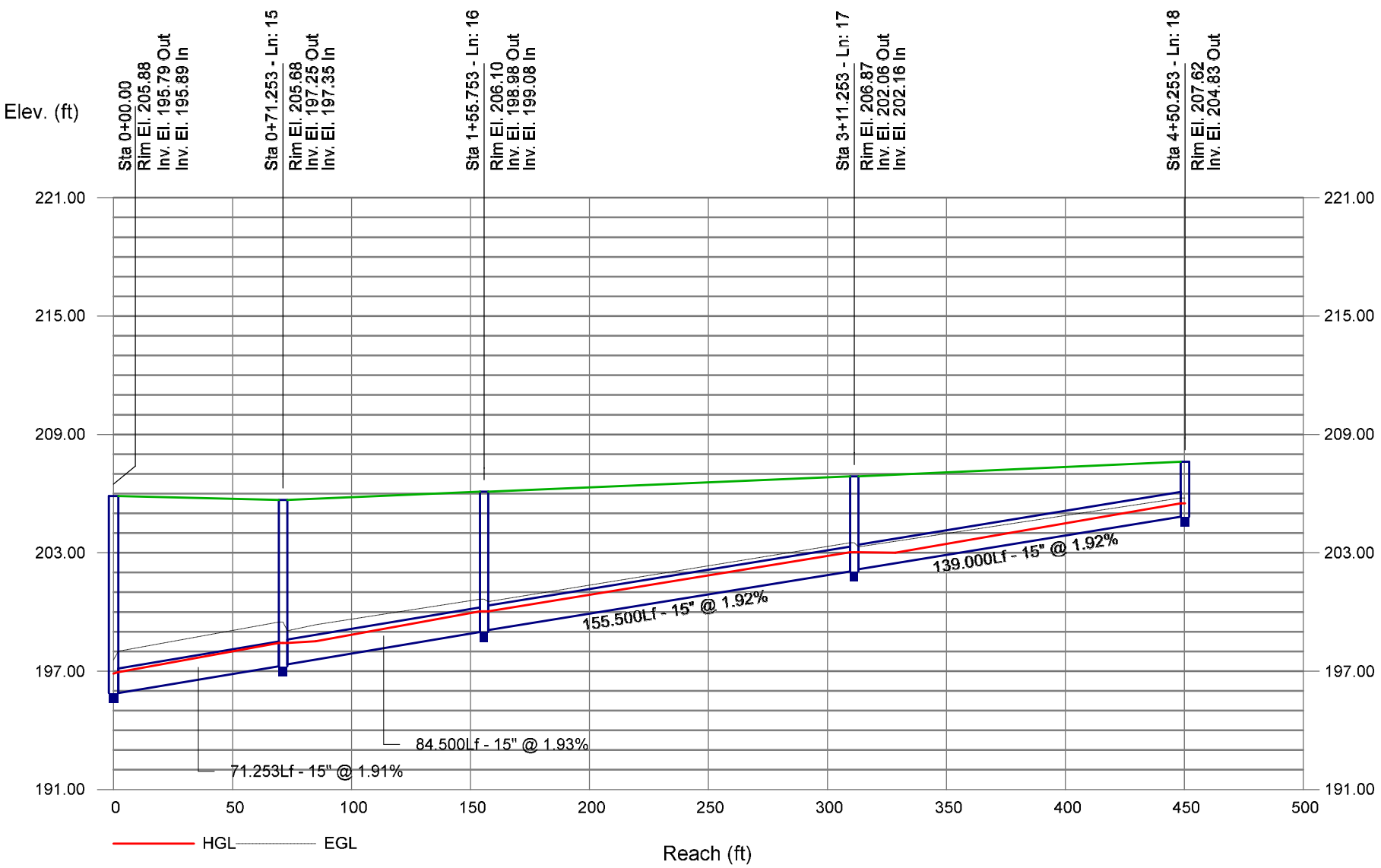
Storm Sewer Profile

Proj. file: 35-inflow.stm

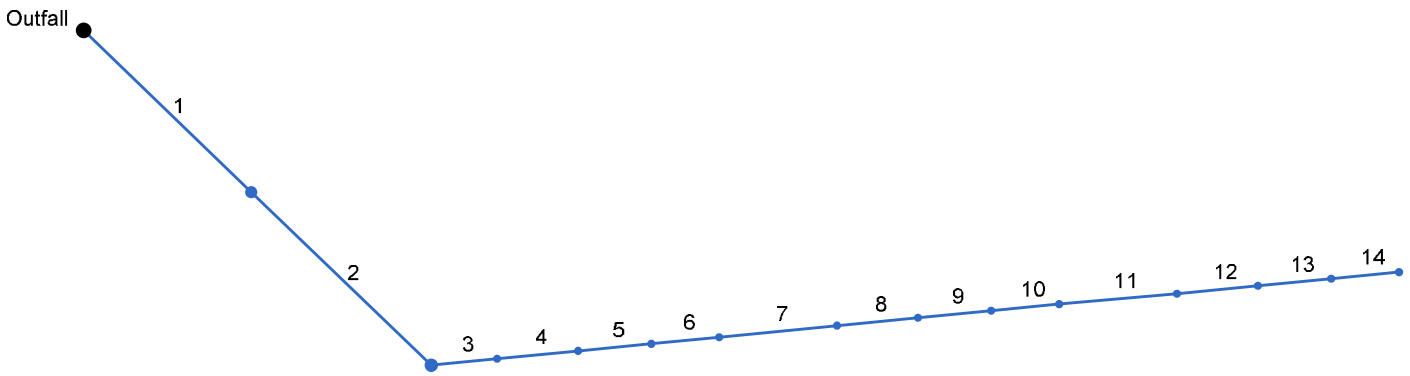


Storm Sewer Profile

Proj. file: 35-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Project File: 36A-inflow.stm	Number of lines: 14	Date: 9/26/2025

Storm Sewer Tabulation

Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	88.120	0.24	0.60	0.98	0.24	0.50	10.0	23.4	5.0	2.49	14.90	4.01	15	4.54	191.00	195.00	191.63	195.63	192.94	203.72	Pipe - (287)
2	1	94.536	0.00	0.36	0.00	0.00	0.27	10.0	22.3	5.1	1.35	17.46	2.74	15	6.23	195.00	200.89	195.63	201.35	203.72	205.00	Pipe - (286)
3	2	25.000	0.03	0.36	0.74	0.02	0.27	10.0	22.0	5.1	1.36	5.04	3.32	15	0.52	200.89	201.02	201.35	201.48	205.00	205.00	Pipe - (285)
4	3	30.740	0.03	0.33	0.74	0.02	0.24	10.0	21.6	5.2	1.26	4.89	3.15	15	0.49	201.02	201.17	201.48	201.61	205.00	205.00	Pipe - (284)
5	4	27.793	0.03	0.30	0.74	0.02	0.22	10.0	21.2	5.2	1.15	4.97	3.06	15	0.50	201.17	201.31	201.61	201.73	205.00	205.00	Pipe - (283)
6	5	25.760	0.03	0.27	0.74	0.02	0.20	10.0	20.8	5.2	1.05	4.97	2.97	15	0.50	201.31	201.44	201.73	201.84	205.00	205.00	Pipe - (282)
7	6	44.707	0.03	0.24	0.74	0.02	0.18	10.0	20.1	5.3	0.95	5.02	2.88	15	0.51	201.44	201.67	201.84	202.05	205.00	205.50	Pipe - (281)
8	7	30.740	0.03	0.21	0.74	0.02	0.16	10.0	19.5	5.4	0.84	5.05	2.76	15	0.52	201.67	201.83	202.05	202.19	205.50	205.50	Pipe - (280)
9	8	27.793	0.03	0.18	0.74	0.02	0.13	10.0	18.8	5.5	0.73	4.97	2.64	15	0.50	201.83	201.97	202.19	202.30	205.50	205.50	Pipe - (279)
10	9	25.760	0.03	0.15	0.74	0.02	0.11	10.0	18.1	5.6	0.62	4.97	2.50	15	0.50	201.97	202.10	202.30	202.41	205.50	205.50	Pipe - (278)
11	10	44.709	0.03	0.12	0.74	0.02	0.09	10.0	16.6	5.8	0.51	5.02	2.36	15	0.51	202.10	202.33	202.41	202.61	205.50	206.00	Pipe - (277)
12	11	30.740	0.03	0.09	0.74	0.02	0.07	10.0	15.3	6.0	0.40	4.89	2.15	15	0.49	202.33	202.48	202.61	202.72	206.00	206.00	Pipe - (276)
13	12	27.793	0.03	0.06	0.74	0.02	0.04	10.0	13.4	6.3	0.28	4.97	1.89	15	0.50	202.48	202.62	202.72	202.82	206.00	206.00	Pipe - (275)
14	13	25.760	0.03	0.03	0.74	0.02	0.02	10.0	10.0	6.9	0.15	3.65	1.48	15	0.27	202.68	202.75	202.86	202.92	206.00	206.00	Pipe - (274)

Project File: 36A-inflow.stm

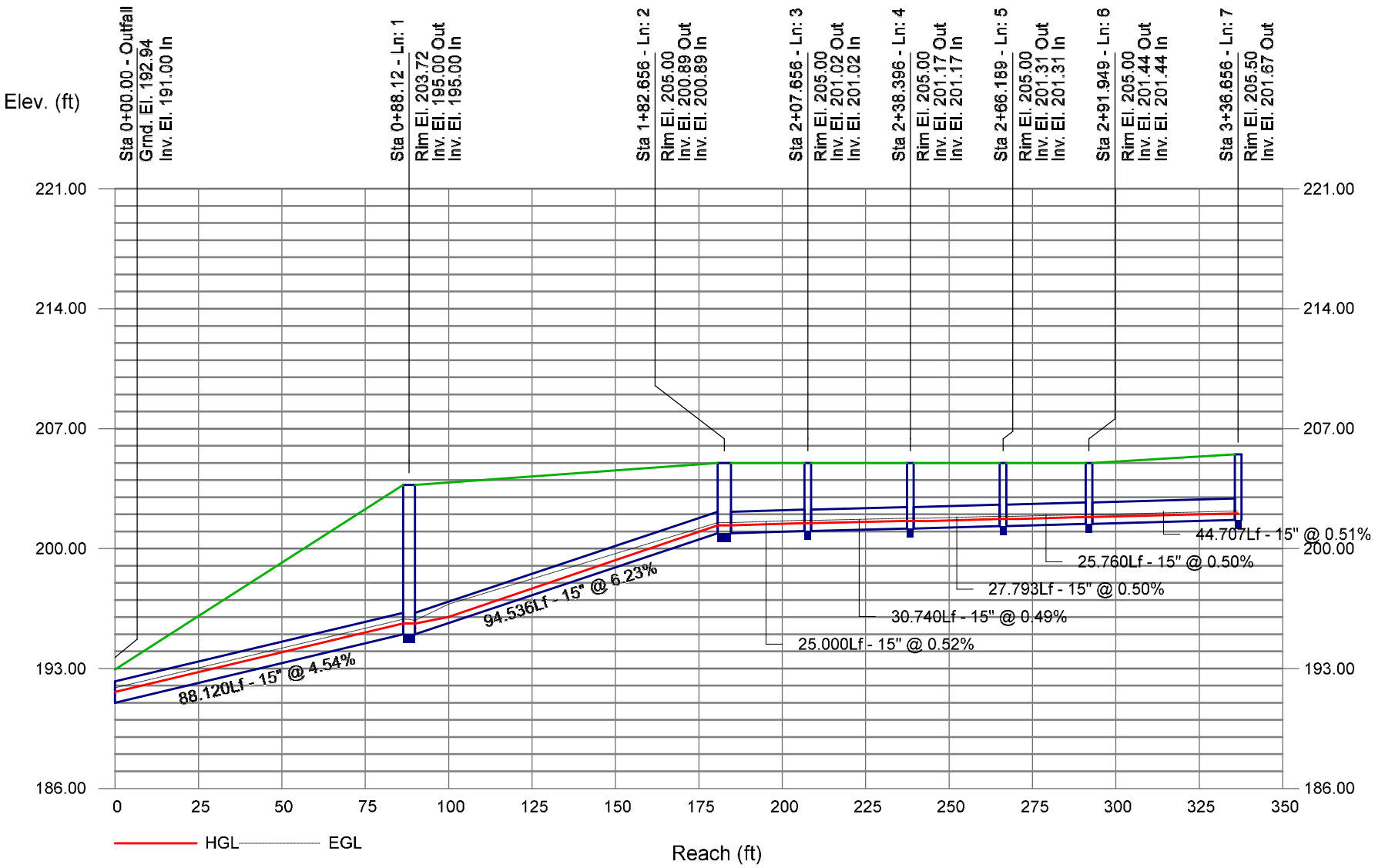
Number of lines: 14

Run Date: 9/26/2025

NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

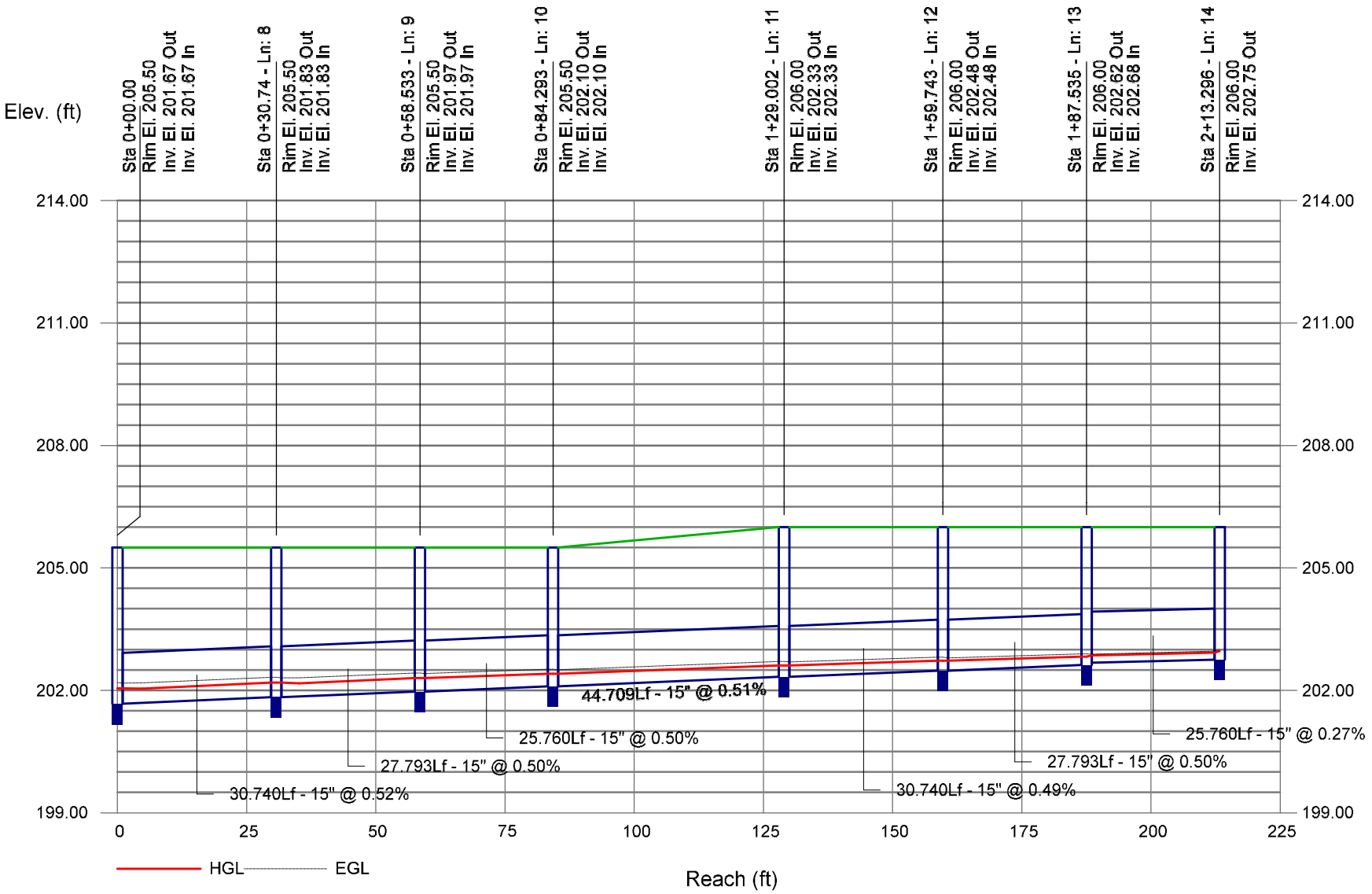
Storm Sewer Profile

Proj. file: 36A-inflow.stm

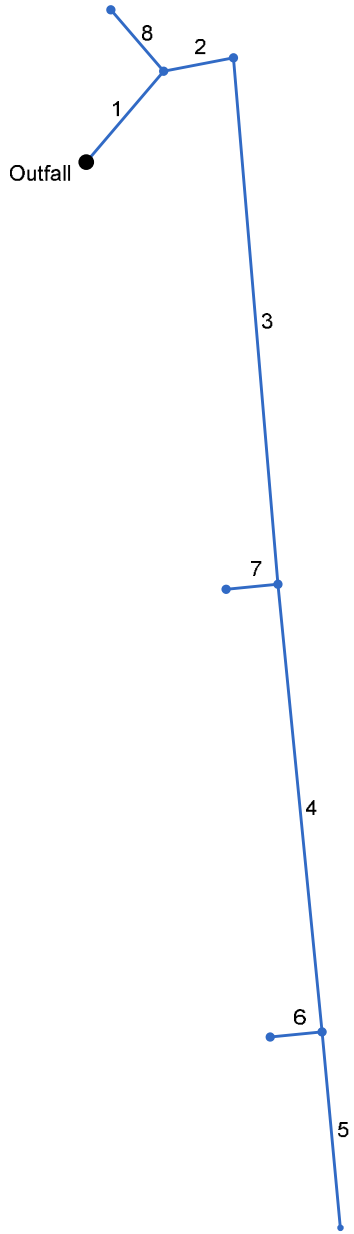


Storm Sewer Profile

Proj. file: 36A-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Tabulation

Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	65.191	0.18	1.96	0.98	0.18	1.92	10.0	17.6	5.6	10.84	16.13	6.84	18	2.01	193.75	195.06	195.01	196.32	195.94	203.50	Pipe - (259)
2	1	38.887	0.65	1.62	0.98	0.64	1.59	10.0	17.5	5.7	8.99	12.90	7.01	18	1.29	200.25	200.75	201.17	201.91	203.50	204.00	Pipe - (258)
3	2	289.279	0.44	0.97	0.98	0.43	0.95	10.0	16.1	5.9	5.57	8.87	4.57	18	0.61	200.85	202.61	201.91	203.52	204.00	206.20	Pipe - (265)
4	3	246.319	0.16	0.40	0.98	0.16	0.39	10.0	14.2	6.1	2.41	5.90	4.25	15	0.71	202.96	204.71	203.52	205.33	206.20	208.00	Pipe - (262)
5	4	107.715	0.11	0.11	0.98	0.11	0.11	10.0	10.0	6.9	0.75	9.56	2.04	18	0.71	204.81	205.57	205.33	205.89	208.00	208.57	Pipe - (261)
6	4	28.448	0.13	0.13	0.98	0.13	0.13	10.0	10.0	6.9	0.88	5.08	2.38	15	0.53	204.81	204.96	205.33	205.33	208.00	208.00	Pipe - (272)
7	3	28.394	0.13	0.13	0.98	0.13	0.13	10.0	10.0	6.9	0.88	5.08	2.30	15	0.53	202.96	203.11	203.52	203.48	206.20	206.20	Pipe - (494)
8	1	44.278	0.16	0.16	0.98	0.16	0.16	10.0	10.0	6.9	1.09	4.93	3.16	15	0.50	199.98	200.20	200.38	200.61	203.50	203.20	Pipe - (267)

Project File: 37A-inflow.stm

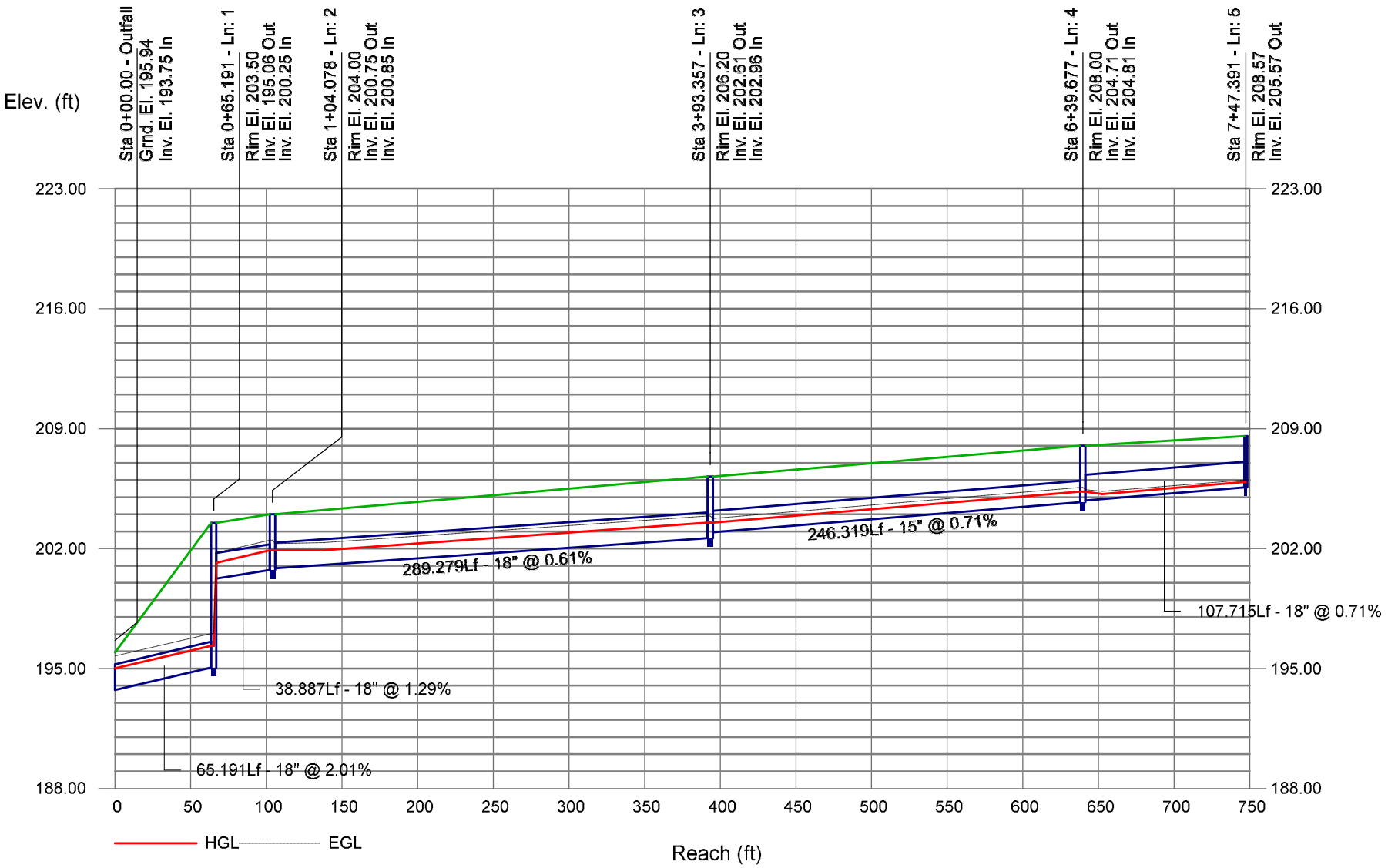
Number of lines: 8

Run Date: 9/26/2025

NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

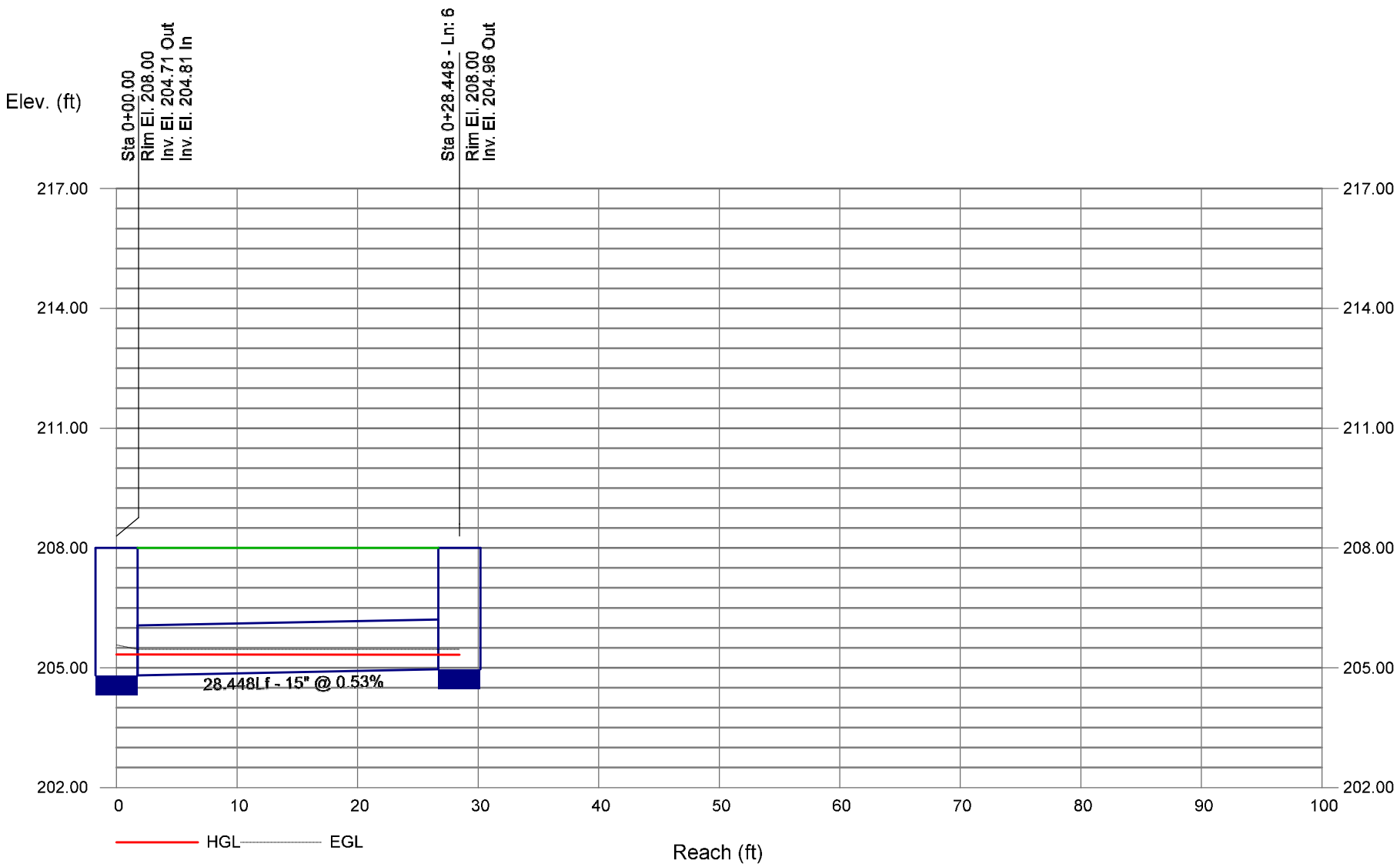
Storm Sewer Profile

Proj. file: 37A-inflow.stm



Storm Sewer Profile

Proj. file: 37A-inflow.stm



Storm Sewer Profile

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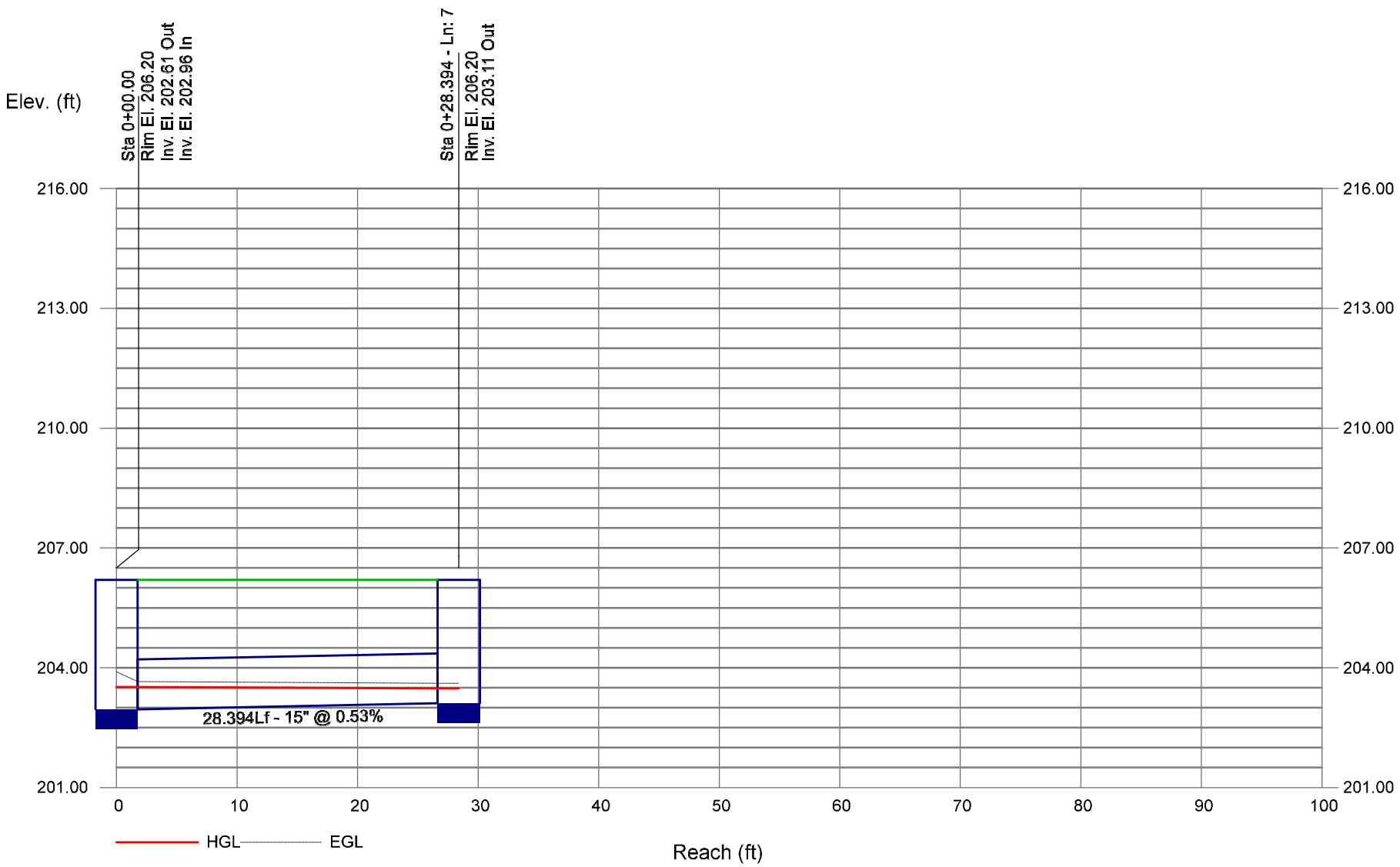
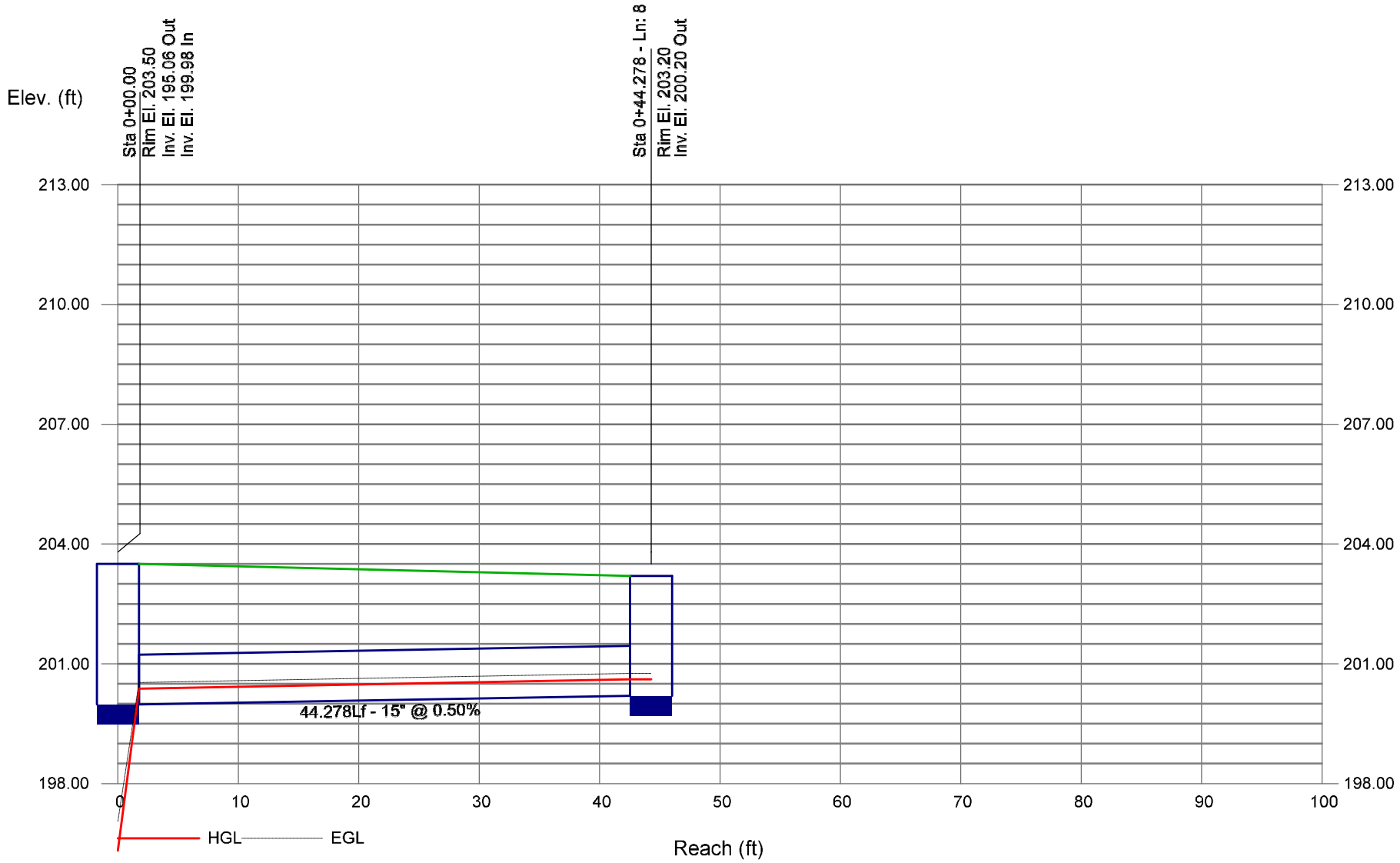
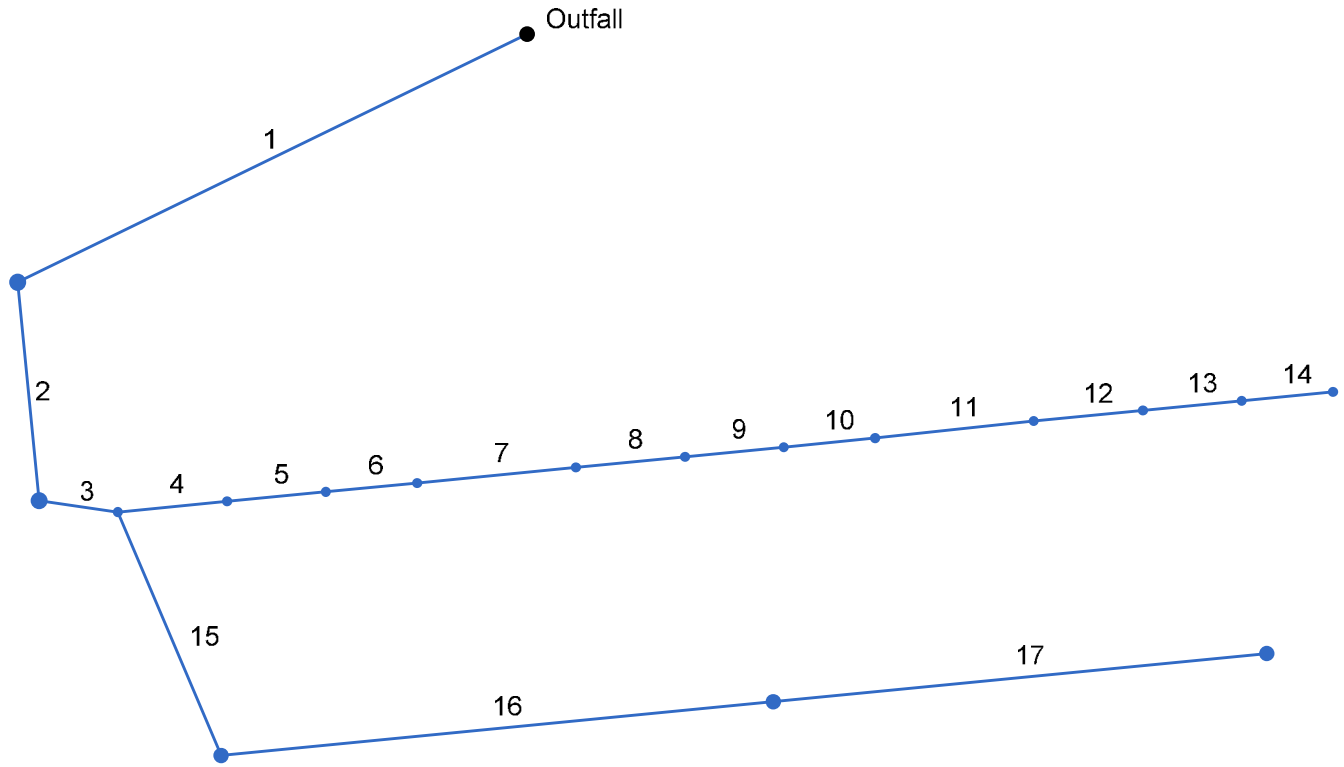


Storm Sewer Profile

Proj. file: 37A-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



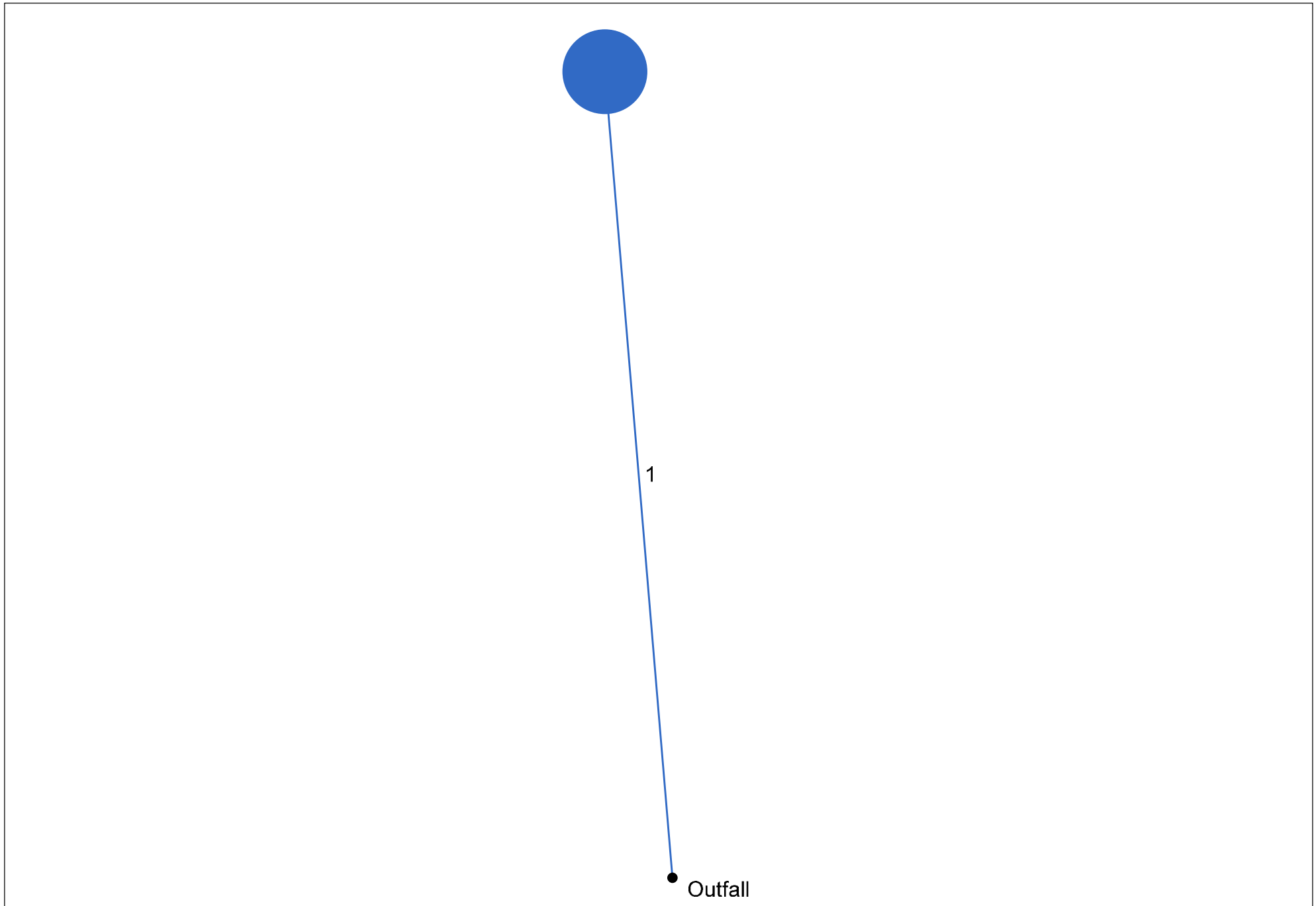
Storm Sewer Tabulation

Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	158.940	0.00	1.93	0.00	0.00	1.81	0.0	22.2	5.1	9.18	18.05	5.76	18	2.52	193.75	197.75	195.16	198.92	-4.17	-1.68	Proposed Storm-P
2	1	61.819	0.00	1.93	0.00	0.00	1.81	0.0	22.1	5.1	9.21	17.12	6.52	18	2.26	197.85	199.25	198.92	200.42	-1.68	-1.38	Proposed Storm-P
3	2	22.306	0.03	1.93	0.74	0.02	1.81	10.0	22.0	5.1	9.22	16.16	6.52	18	2.02	199.35	199.80	200.42	200.97	-1.38	205.00	Proposed Storm-P
4	3	30.740	0.03	0.33	0.74	0.02	0.24	10.0	21.6	5.2	1.26	11.07	2.35	15	2.50	200.15	200.92	200.97	201.36	205.00	205.00	Pipe - (298)
5	4	27.793	0.03	0.30	0.74	0.02	0.22	10.0	21.2	5.2	1.15	5.78	3.42	15	0.68	201.02	201.21	201.40	201.63	205.00	205.00	Pipe - (297)
6	5	25.760	0.03	0.27	0.74	0.02	0.20	10.0	20.8	5.2	1.05	4.97	3.14	15	0.50	201.31	201.44	201.70	201.84	205.00	205.00	Pipe - (296)
7	6	44.707	0.03	0.24	0.74	0.02	0.18	10.0	20.1	5.3	0.95	5.02	2.88	15	0.51	201.44	201.67	201.84	202.05	205.00	205.50	Pipe - (295)
8	7	30.740	0.03	0.21	0.74	0.02	0.16	10.0	19.5	5.4	0.84	5.05	2.76	15	0.52	201.67	201.83	202.05	202.19	205.50	205.50	Pipe - (294)
9	8	27.793	0.03	0.18	0.74	0.02	0.13	10.0	18.8	5.5	0.73	4.97	2.64	15	0.50	201.83	201.97	202.19	202.30	205.50	205.50	Pipe - (293)
10	9	25.760	0.03	0.15	0.74	0.02	0.11	10.0	18.1	5.6	0.62	4.97	2.50	15	0.50	201.97	202.10	202.30	202.41	205.50	205.50	Pipe - (292)
11	10	44.709	0.03	0.12	0.74	0.02	0.09	10.0	16.6	5.8	0.51	5.02	2.36	15	0.51	202.10	202.33	202.41	202.61	205.50	206.00	Pipe - (291)
12	11	30.740	0.03	0.09	0.74	0.02	0.07	10.0	15.3	6.0	0.40	4.89	2.15	15	0.49	202.33	202.48	202.61	202.72	206.00	206.00	Pipe - (290)
13	12	27.793	0.03	0.06	0.74	0.02	0.04	10.0	13.4	6.3	0.28	4.97	1.89	15	0.50	202.48	202.62	202.72	202.82	206.00	206.00	Pipe - (289)
14	13	25.760	0.03	0.03	0.74	0.02	0.02	10.0	10.0	6.9	0.15	4.97	1.49	15	0.50	202.62	202.75	202.82	202.90	206.00	206.00	Pipe - (288)
15	3	74.368	0.71	1.57	0.98	0.70	1.54	10.0	12.2	6.5	10.01	13.84	6.95	18	1.48	199.90	201.00	200.97	202.22	205.00	204.27	Proposed Storm-P
16	15	155.500	0.43	0.86	0.98	0.42	0.84	10.0	11.4	6.7	5.61	8.11	4.48	18	0.51	201.10	201.89	202.22	202.80	204.27	205.03	Pipe - (273)
17	16	139.000	0.43	0.43	0.98	0.42	0.42	10.0	10.0	6.9	2.93	8.36	3.49	18	0.54	201.99	202.74	202.80	203.39	205.03	205.78	Pipe - (489)

Project File: 37B-inflow.stm | Number of lines: 17 | Run Date: 9/26/2025

NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Tabulation

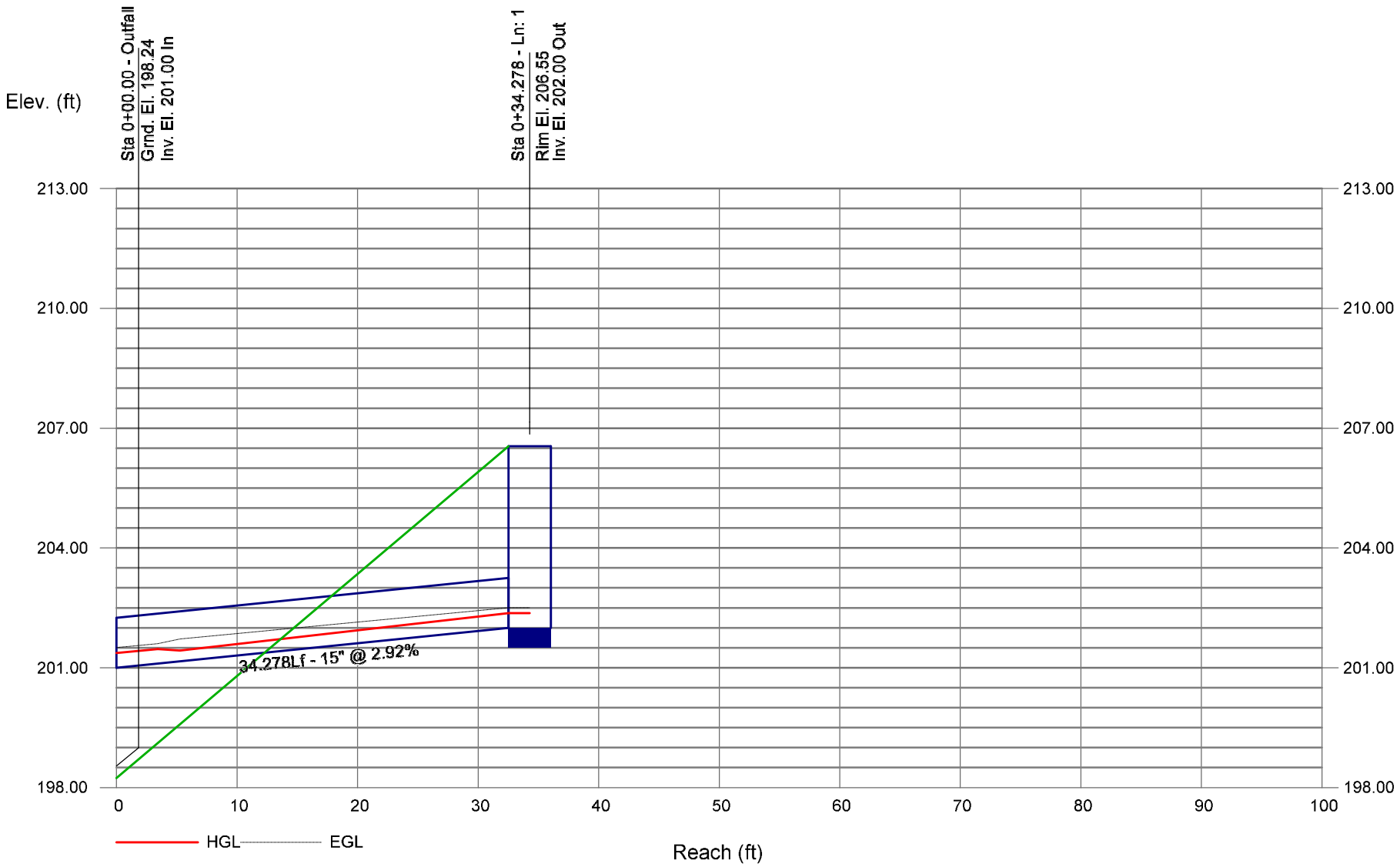
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	34.278	0.13	0.13	0.98	0.13	0.13	10.0	10.0	6.9	0.88	11.95	2.92	15	2.92	201.00	202.00	201.37	202.37	198.24	206.55	Pipe - (257)

Project File: 39-inflow.stm | Number of lines: 1 | Run Date: 9/26/2025

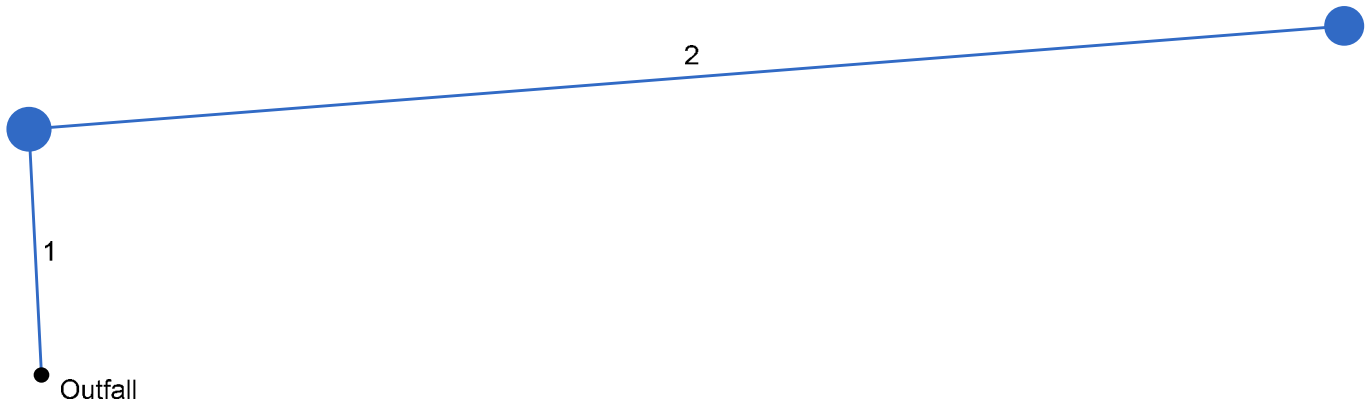
NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 39-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Tabulation

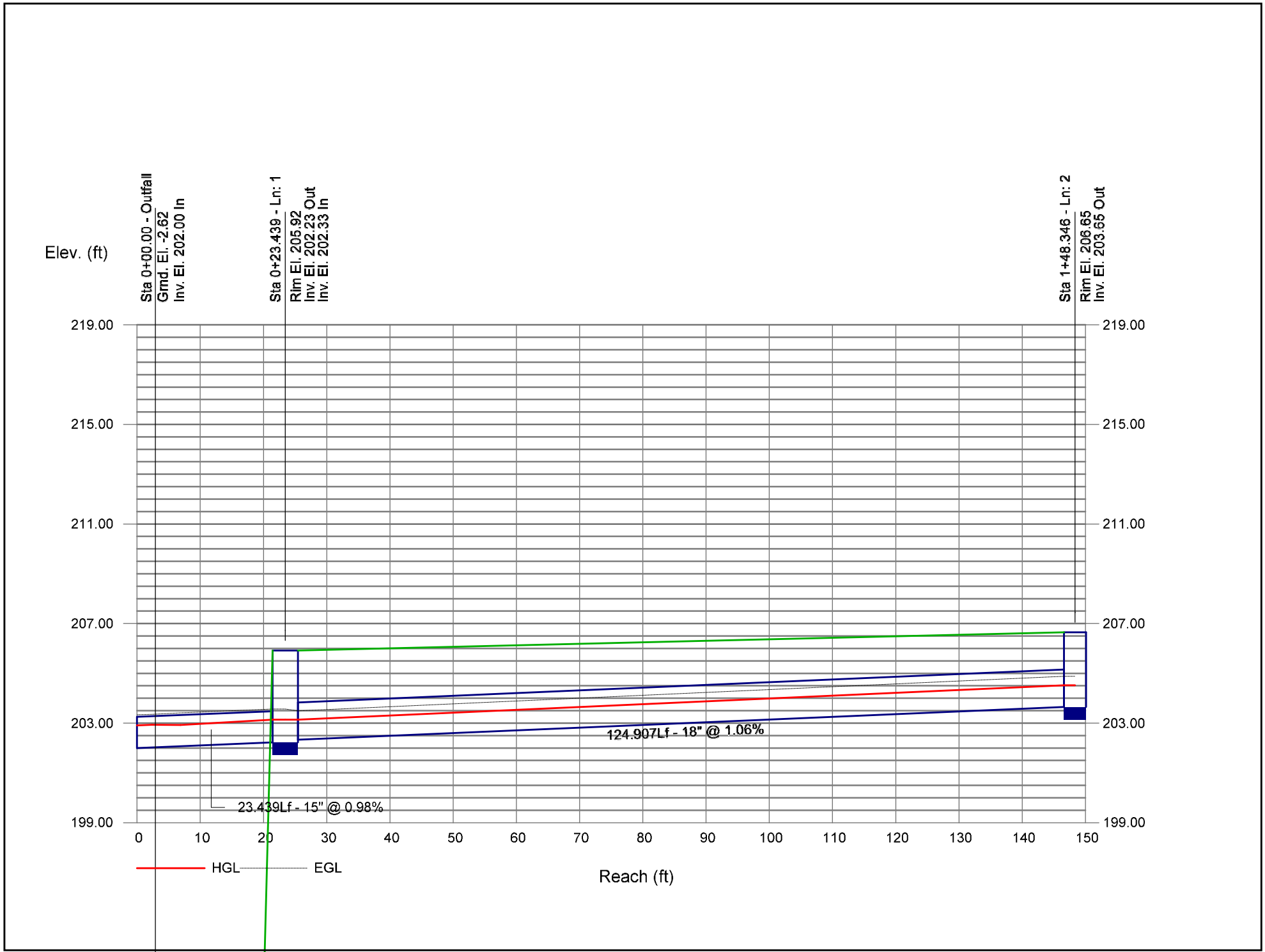
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	23.439	0.00	0.75	0.00	0.00	0.74	0.0	10.7	6.8	4.99	6.93	5.23	15	0.98	202.00	202.23	202.91	203.14	-2.62	205.92	Proposed Storm-P
2	1	124.907	0.75	0.75	0.98	0.74	0.74	10.0	10.0	6.9	5.10	11.69	5.05	18	1.06	202.33	203.65	203.14	204.52	205.92	206.65	Pipe - (255)

Project File: 40-inflow.stm | Number of lines: 2 | Run Date: 9/26/2025

NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 40-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan

Project File: 41&42-outflow.stm	Number of lines: 3	Date: 9/26/2025

Storm Sewer Tabulation

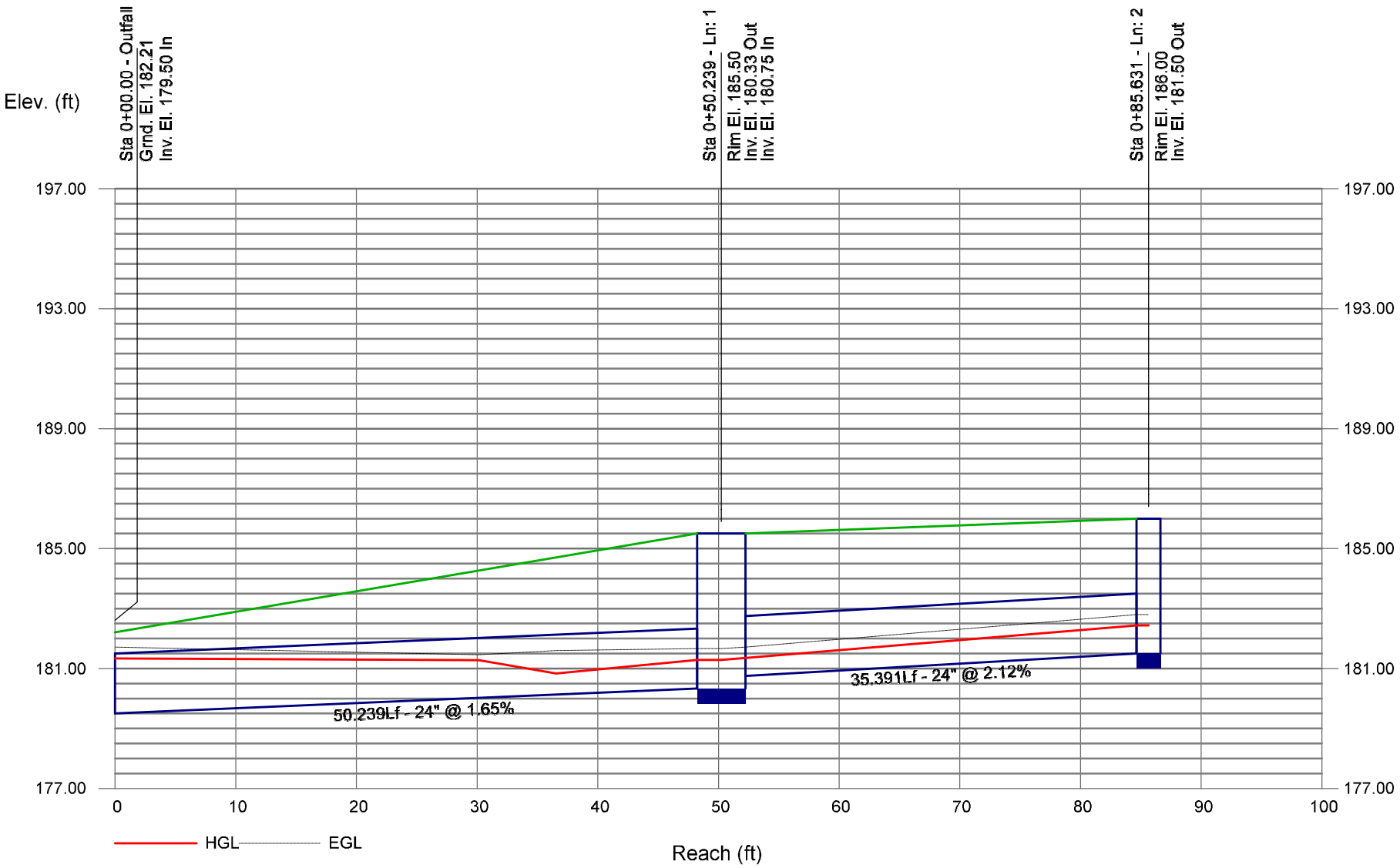
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	50.239	0.00	0.00	0.00	0.00	0.00	0.0	2.4	0.0	7.29	31.49	3.66	24	1.65	179.50	180.33	181.34	181.29	182.21	185.50	Pipe - (223)
2	1	35.391	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	6.96	35.67	6.81	24	2.12	180.75	181.50	181.35	182.44	185.50	186.00	Pipe - (222)
3	1	26.765	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.33	9.07	1.44	18	0.64	180.83	181.00	181.29	181.21	185.50	185.00	Pipe - (224)

Project File: 41&42-outflow.stm | Number of lines: 3 | Run Date: 9/26/2025

NOTES:Intensity = 127.16 / (Inlet time + 17.80) ^ 0.82; Return period =Yrs. 100 ; c = cir e = ellip b = box

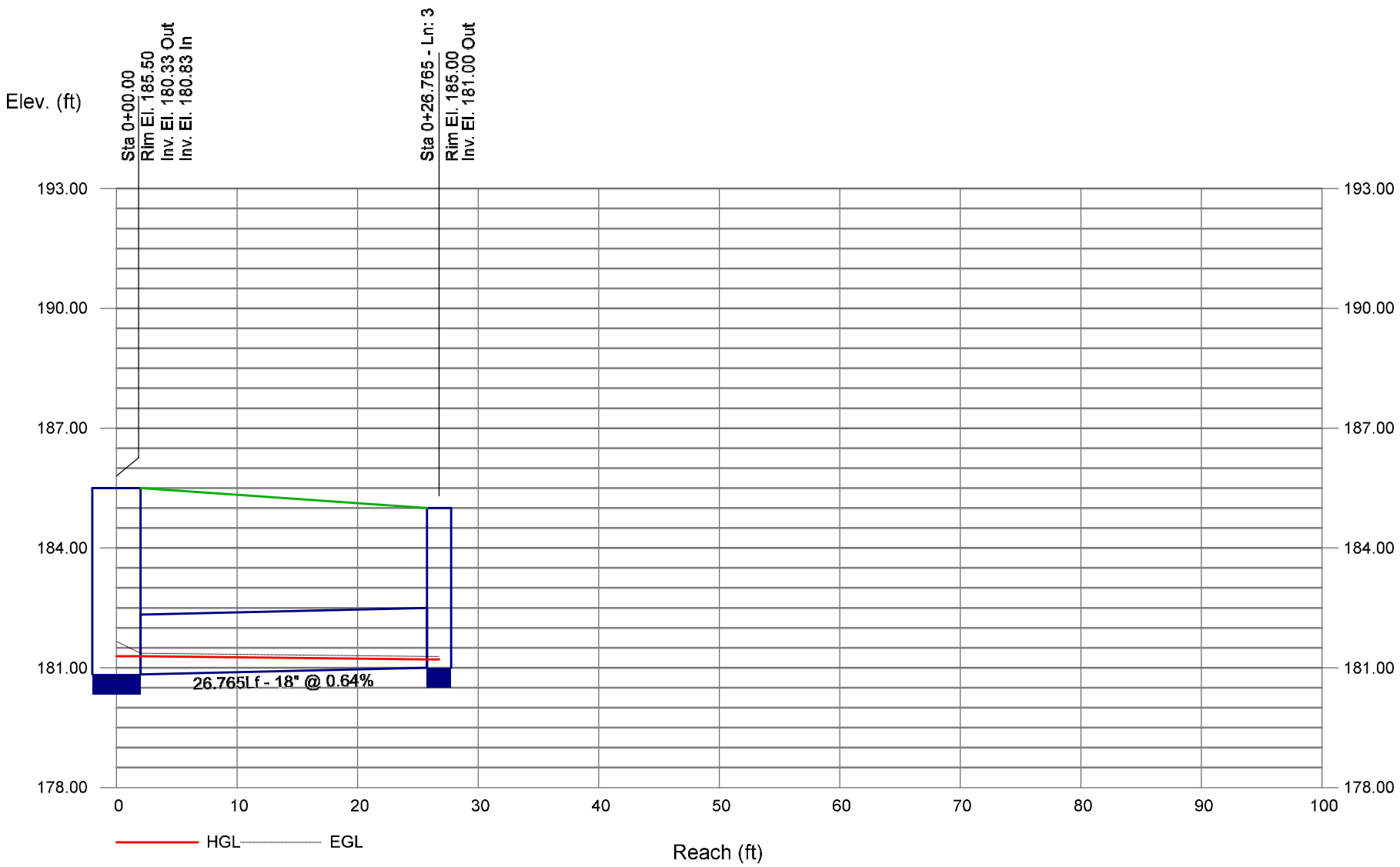
Storm Sewer Profile

Proj. file: 41&42-outflow.stm



Storm Sewer Profile

Proj. file: 41&42-outflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan

Project File: 41-inflow.stm	Number of lines: 2	Date: 9/26/2025

Storm Sewer Tabulation

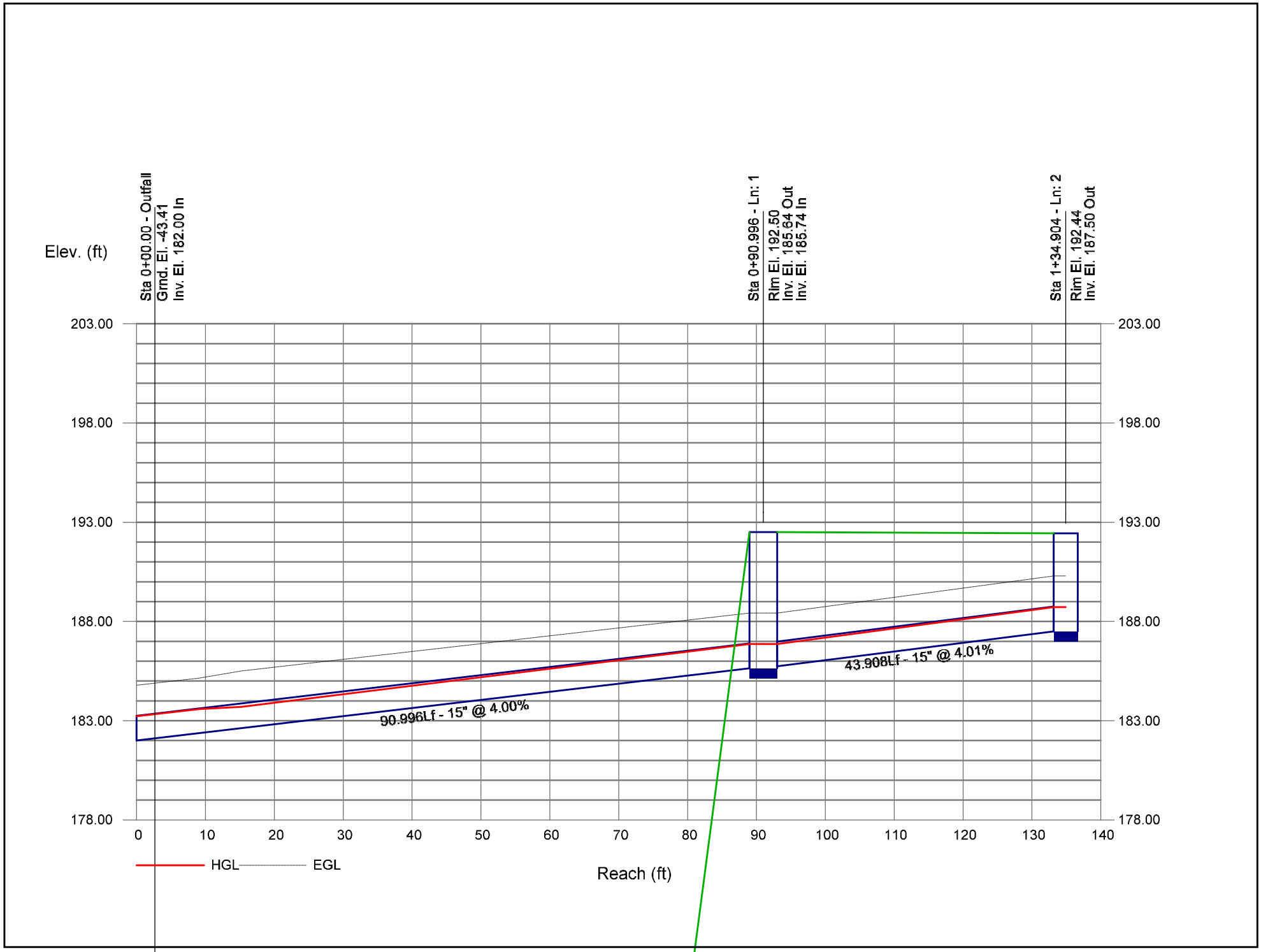
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	90.996	0.00	1.80	0.00	0.00	1.76	0.0	10.1	6.9	12.22	13.99	10.03	15	4.00	182.00	185.64	183.22	186.86	-43.41	192.50	Pipe - (221)
2	1	43.908	1.80	1.80	0.98	1.76	1.76	10.0	10.0	6.9	12.25	14.01	10.31	15	4.01	185.74	187.50	186.86	188.72	192.50	192.44	Pipe - (220)

Project File: 41-inflow.stm | Number of lines: 2 | Run Date: 9/26/2025

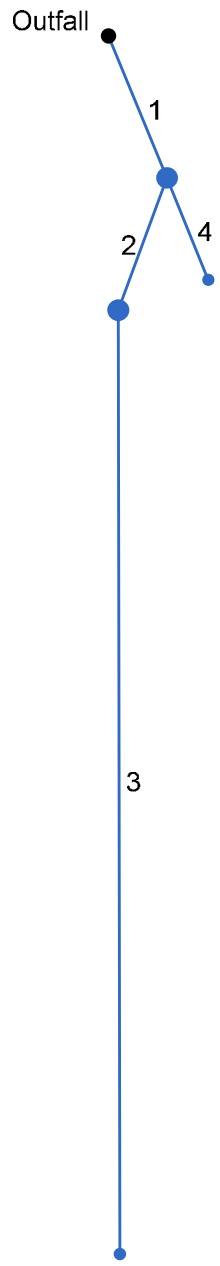
NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 41-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Tabulation

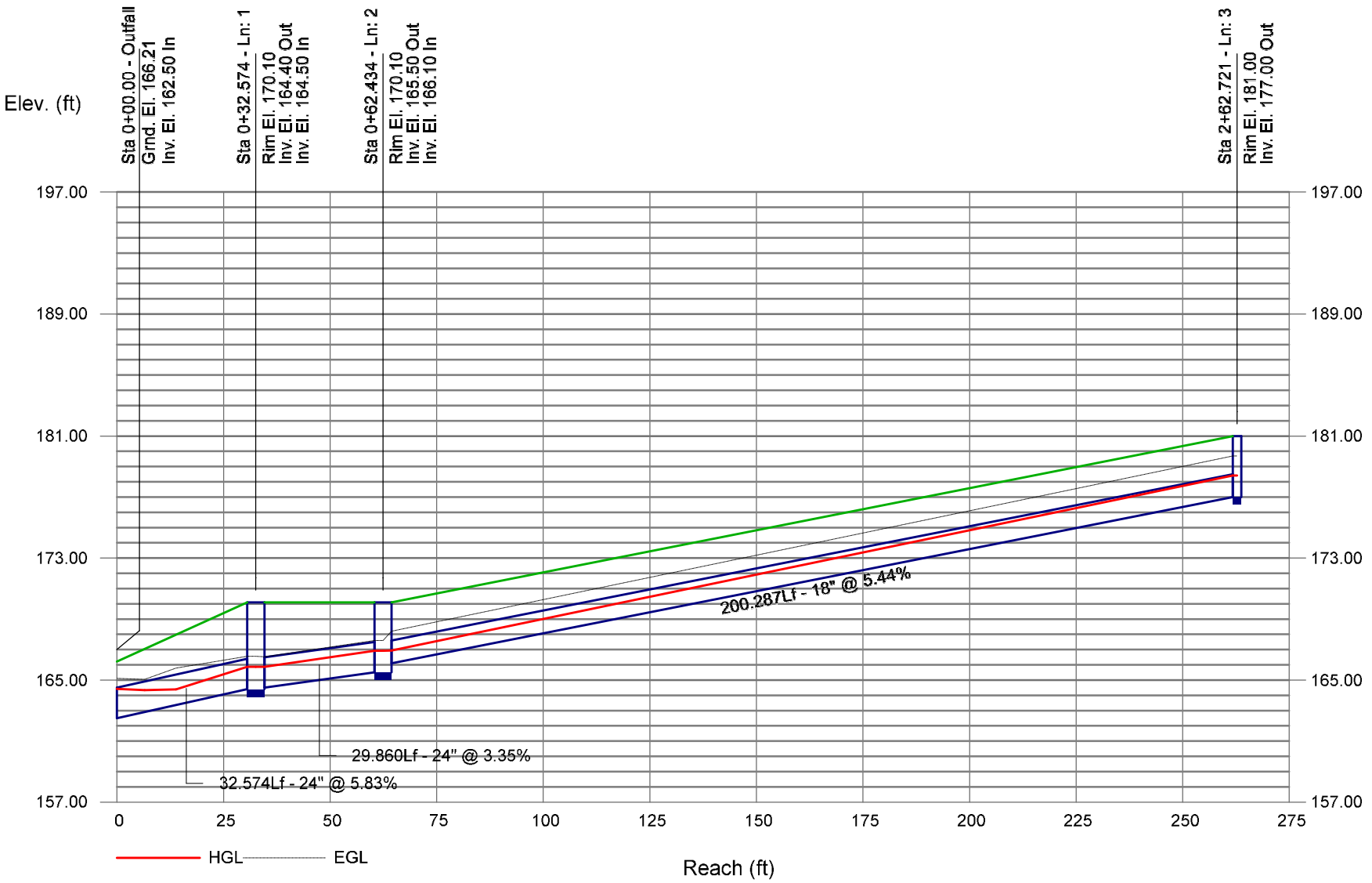
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	32.574	0.00	0.00	0.00	0.00	0.00	0.0	0.8	0.0	16.57	59.18	6.03	24	5.83	162.50	164.40	164.42	165.87	166.21	170.10	Pipe - (236)
2	1	29.860	0.00	0.00	0.00	0.00	0.00	0.0	0.4	0.0	15.70	44.84	6.71	24	3.35	164.50	165.50	165.87	166.93	170.10	170.10	Pipe - (235)
3	2	200.287	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	15.70	26.54	12.36	18	5.44	166.10	177.00	166.93	178.42	170.10	181.00	Pipe - (234)
4	1	23.298	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.87	23.57	1.82	18	4.29	165.00	166.00	165.87	166.35	170.10	170.00	Pipe - (237)

Project File: 43-44-outflow.stm | Number of lines: 4 | Run Date: 9/26/2025

NOTES:Intensity = 127.16 / (Inlet time + 17.80) ^ 0.82; Return period =Yrs. 100 ; c = cir e = ellip b = box

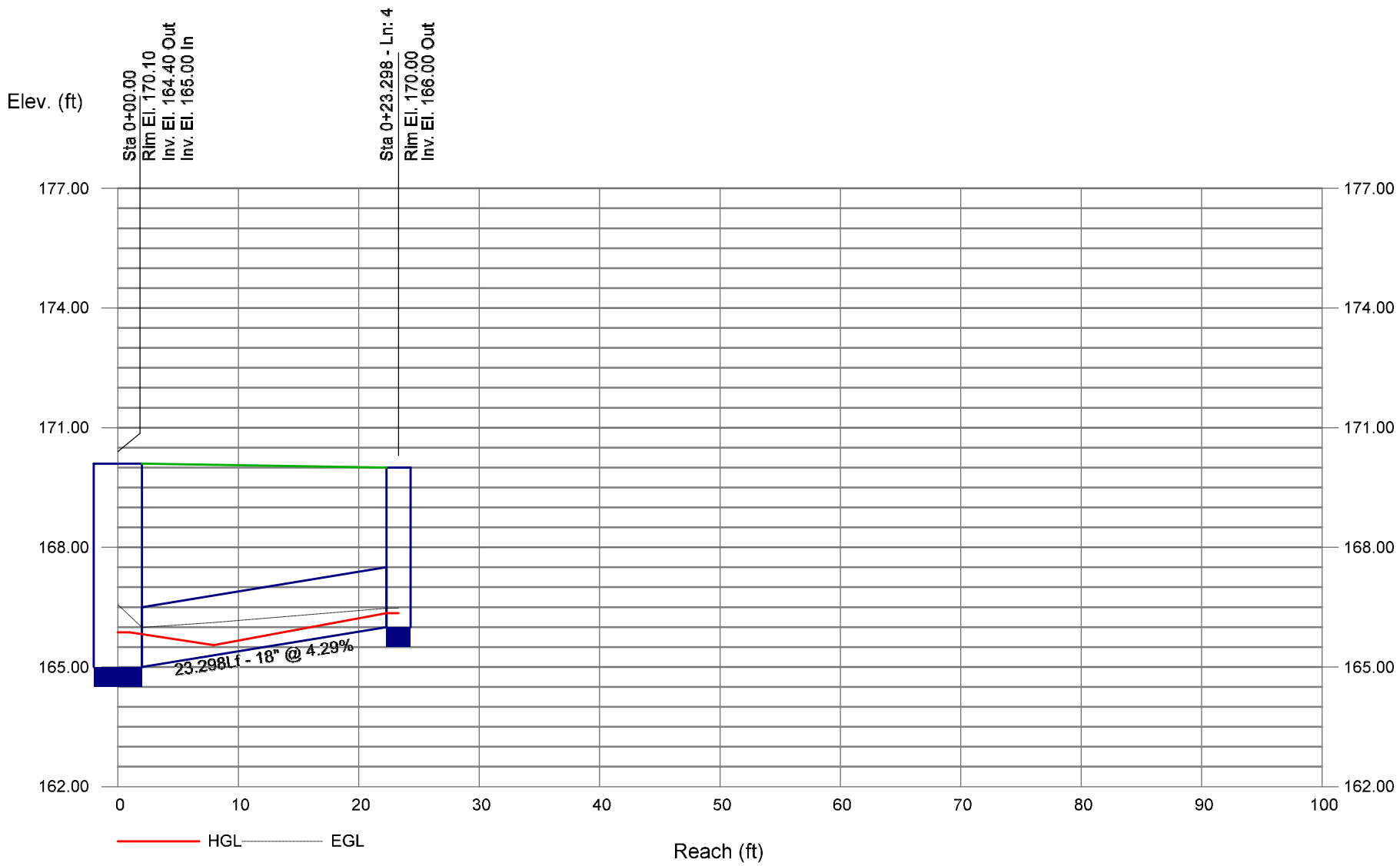
Storm Sewer Profile

Proj. file: 43-44-outflow.stm

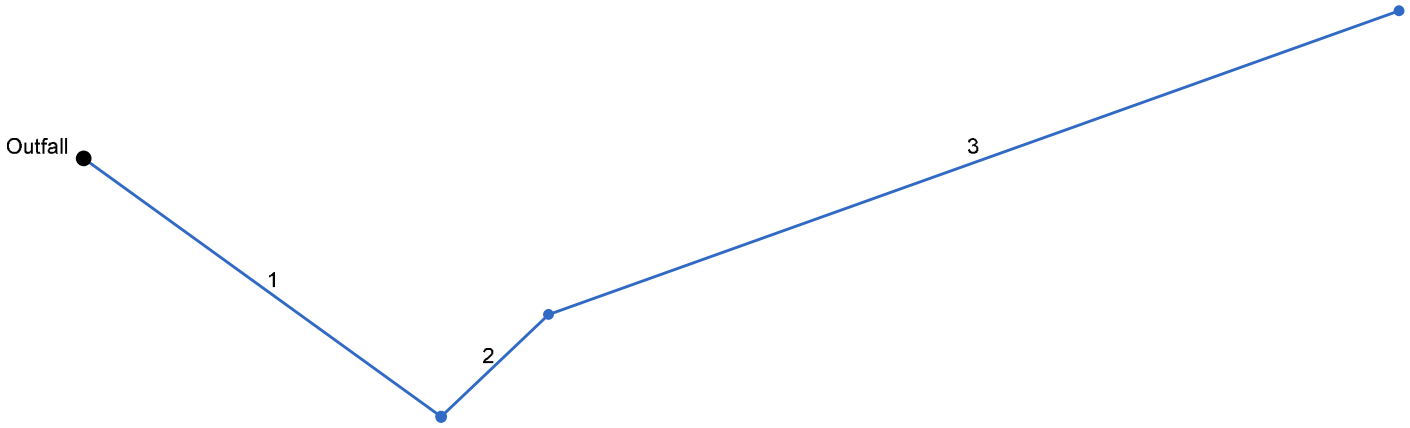


Storm Sewer Profile

Proj. file: 43-44-outflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Tabulation

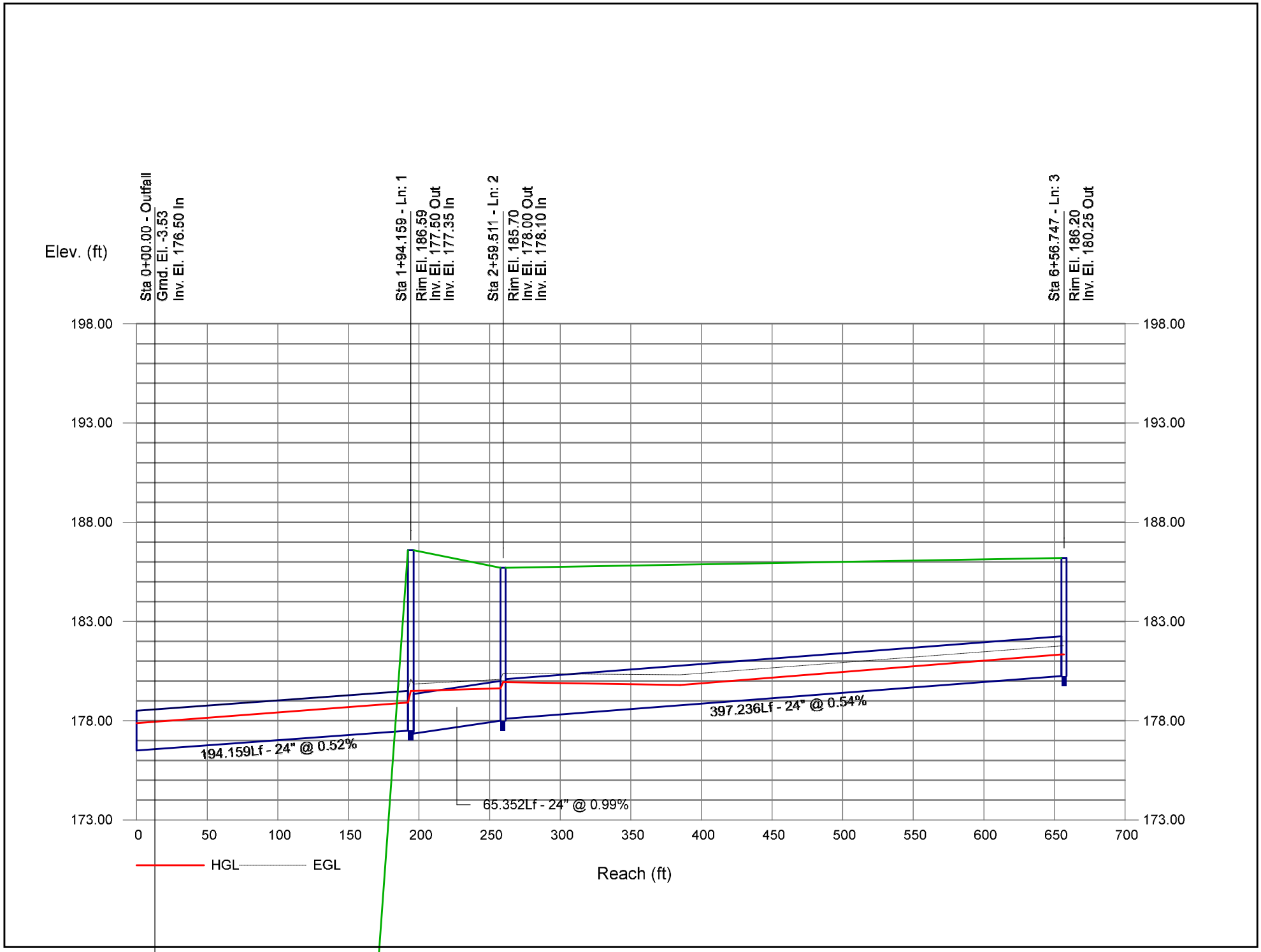
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	194.159	0.00	2.32	0.00	0.00	2.27	0.0	12.5	6.5	14.67	17.58	6.27	24	0.52	176.50	177.50	177.88	178.91	-3.53	186.59	Pipe - (227)
2	1	65.352	0.96	2.32	0.98	0.94	2.27	10.0	12.2	6.5	14.77	24.44	5.04	24	0.99	177.35	178.00	179.50	179.64	186.59	185.70	Pipe - (226)
3	2	397.236	1.36	1.36	0.98	1.33	1.33	10.0	10.0	6.9	9.26	18.03	4.19	24	0.54	178.10	180.25	179.95	181.34	185.70	186.20	Pipe - (225)

Project File: 43-inflow.stm | Number of lines: 3 | Run Date: 9/26/2025

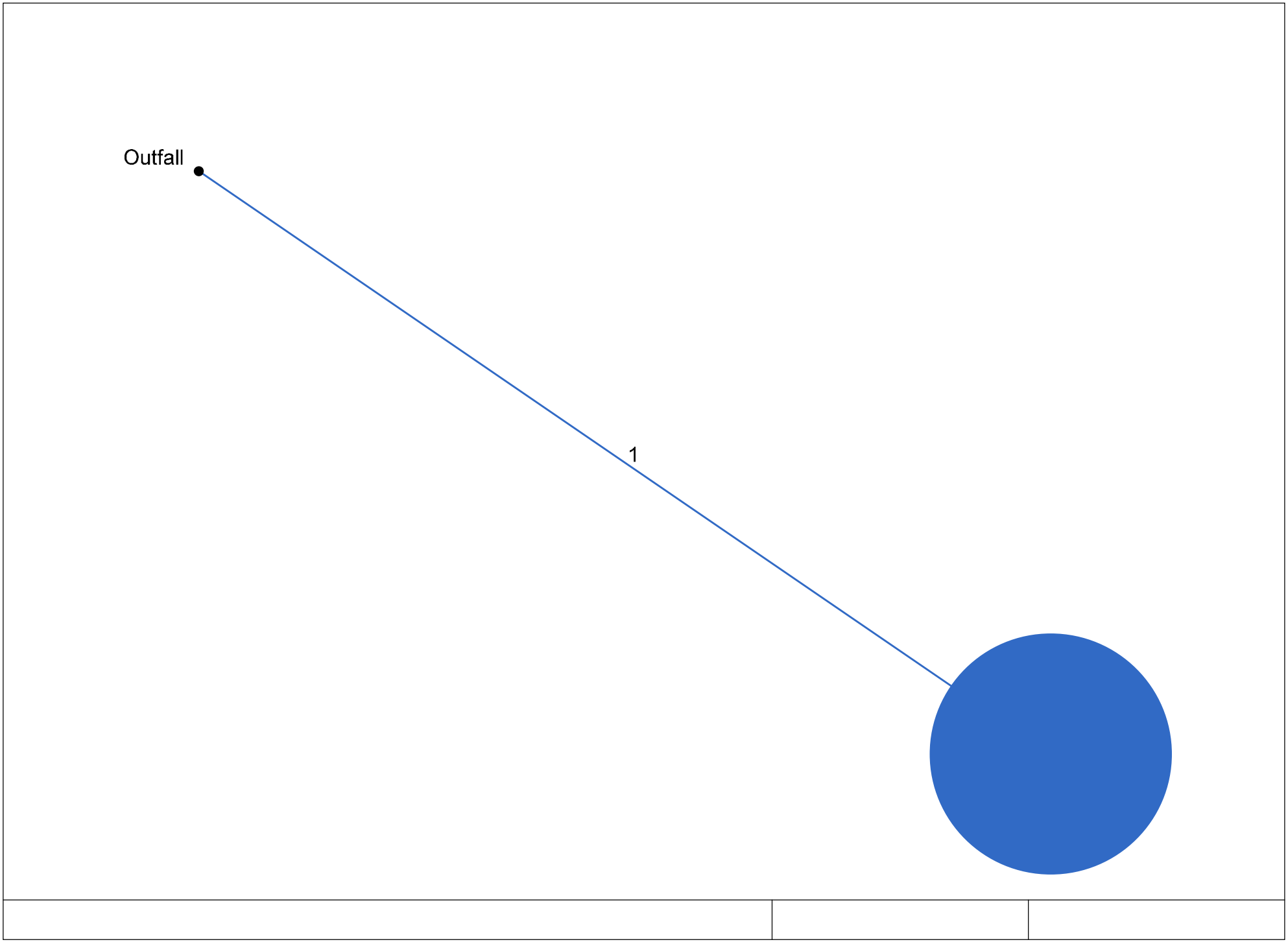
NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 43-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Tabulation

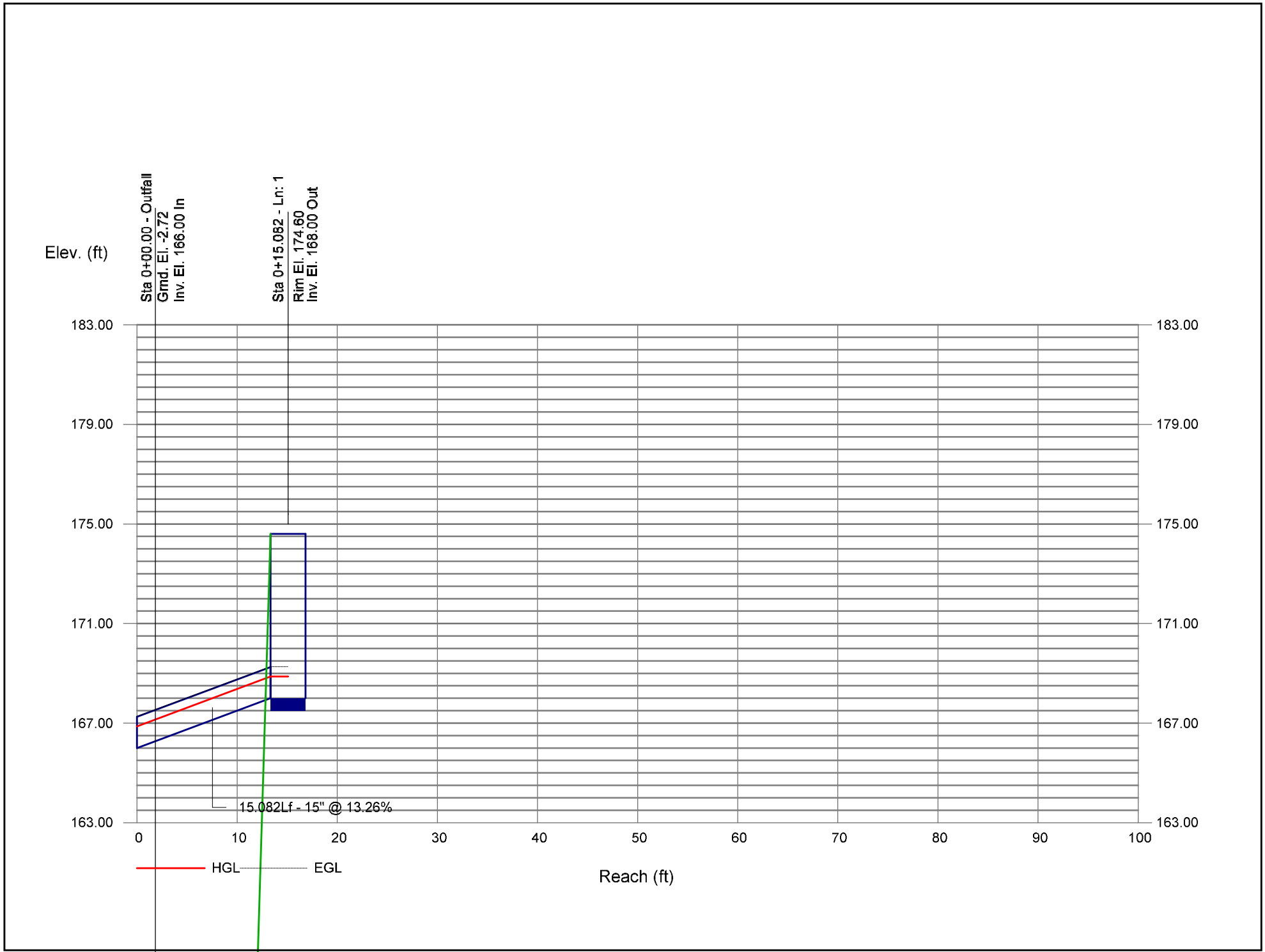
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	15.082	0.68	0.68	0.98	0.67	0.67	10.0	10.0	6.9	4.63	25.47	5.07	15	13.26	166.00	168.00	166.87	168.87	-2.72	174.60	Pipe - (233)

Project File: 44-inflow.stm | Number of lines: 1 | Run Date: 9/26/2025

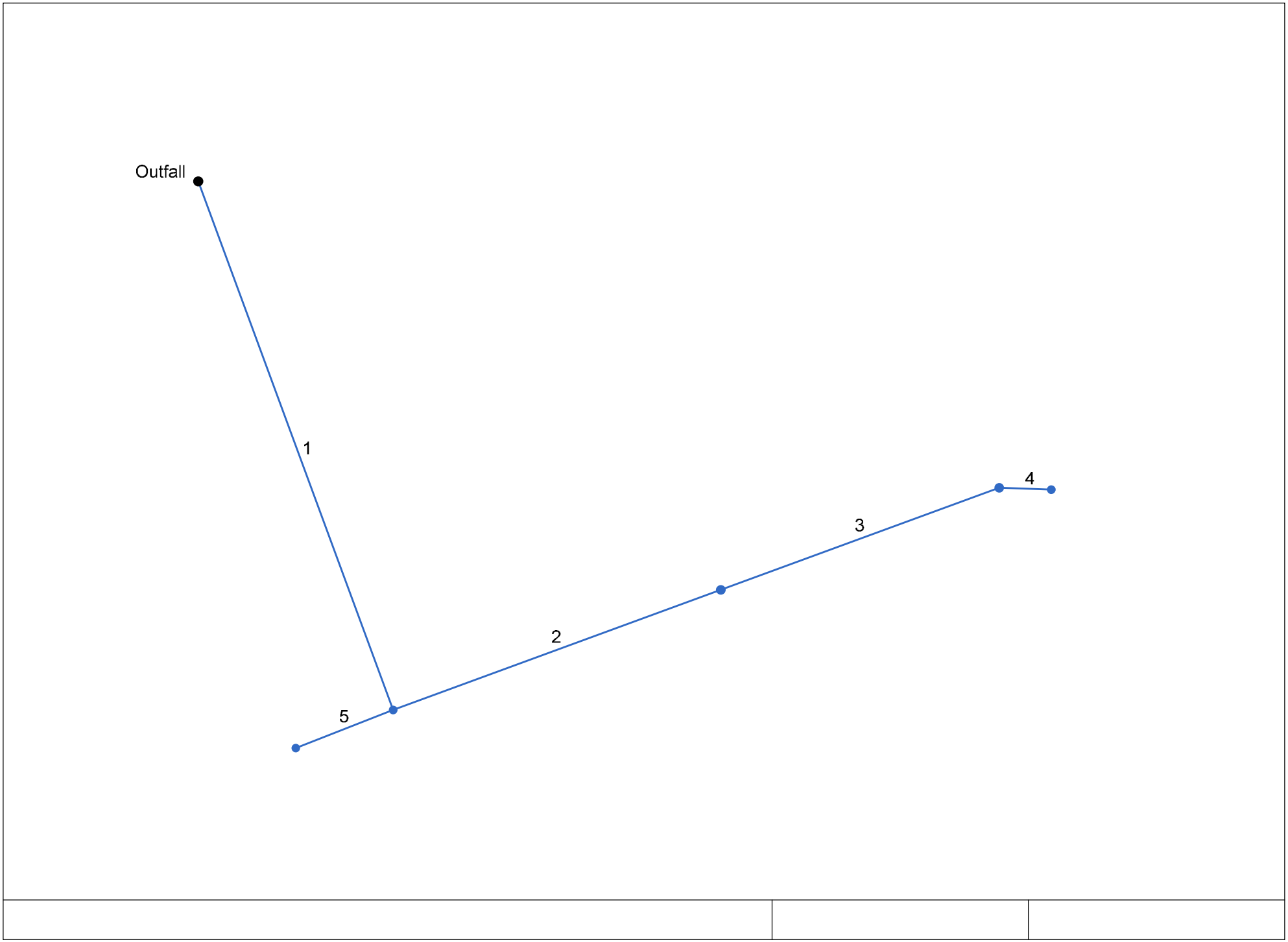
NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 44-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Tabulation

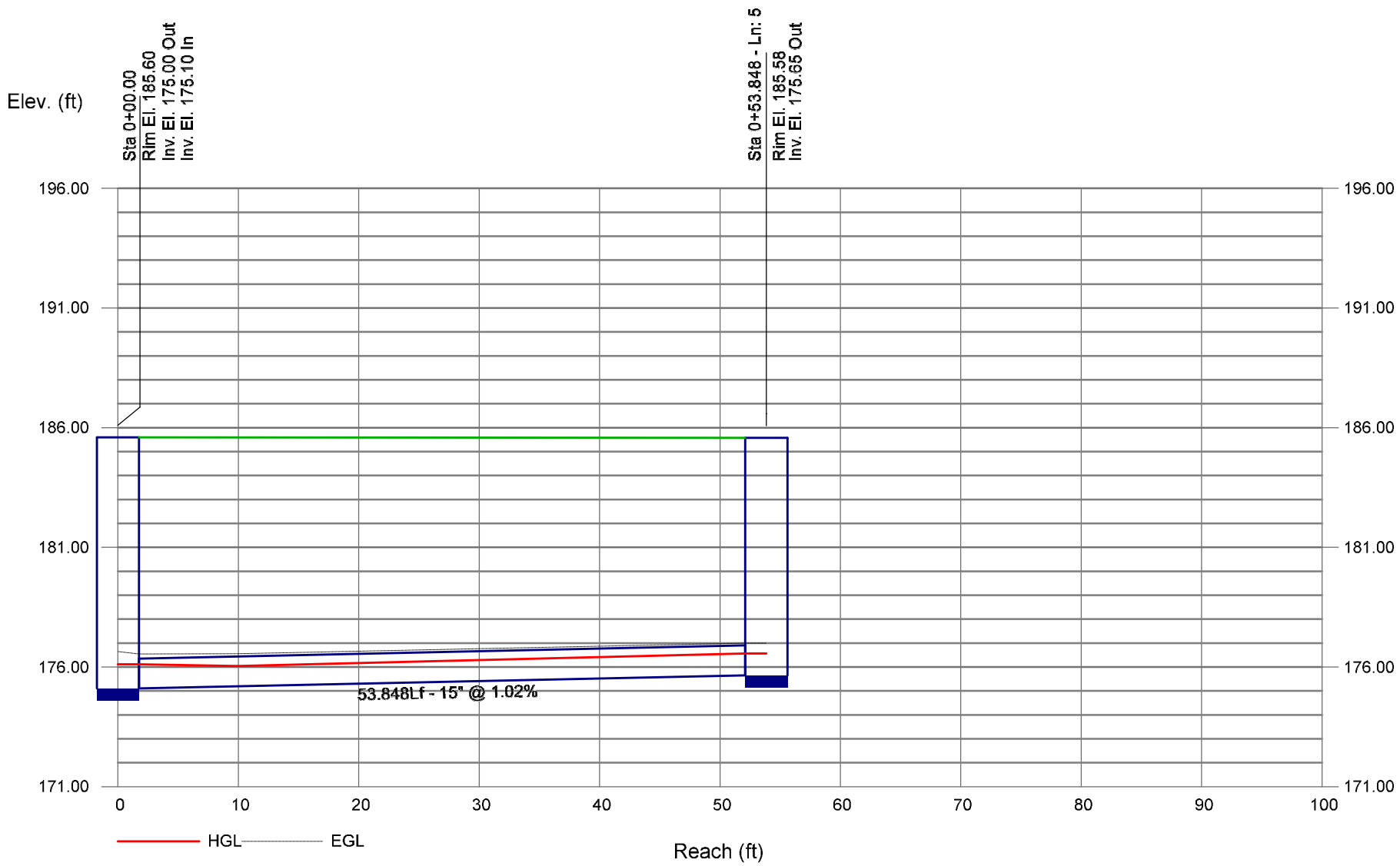
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	291.007	0.34	1.36	0.98	0.33	1.33	10.0	14.0	6.2	8.24	20.01	5.87	18	3.09	166.00	175.00	167.11	176.11	168.21	185.60	Pipe - (231)
2	1	179.655	0.00	0.28	0.00	0.00	0.27	0.0	12.1	6.5	1.79	7.00	2.64	15	1.00	175.10	176.90	176.11	177.43	185.60	184.90	Pipe - (230)
3	2	152.654	0.00	0.28	0.00	0.00	0.27	0.0	10.4	6.9	1.88	11.32	4.33	15	2.62	177.00	181.00	177.43	181.55	184.90	185.03	Pipe - (229)
4	3	26.776	0.28	0.28	0.98	0.27	0.27	10.0	10.0	6.9	1.91	13.90	3.92	18	1.49	181.10	181.50	181.55	182.02	185.03	186.20	Pipe - (228)
5	1	53.848	0.74	0.74	0.98	0.73	0.73	10.0	10.0	6.9	5.04	7.07	5.00	15	1.02	175.10	175.65	176.11	176.56	185.60	185.58	Pipe - (232)

Project File: 45-inflow.stm | Number of lines: 5 | Run Date: 9/26/2025

NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

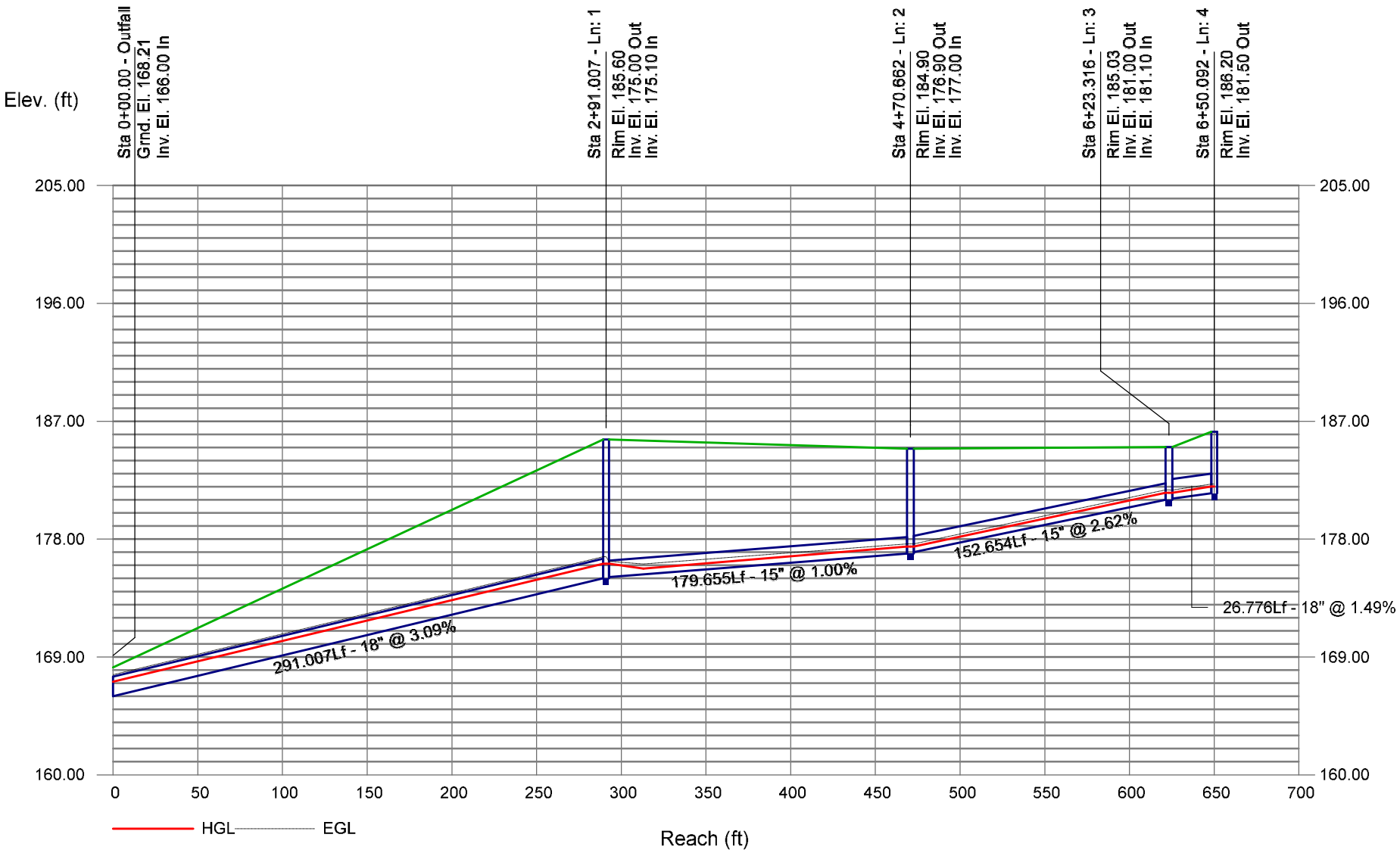
Storm Sewer Profile

Proj. file: 45-inflow.stm



Storm Sewer Profile

Proj. file: 45-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan

Project File: 46-inflow.stm	Number of lines: 10	Date: 9/26/2025

Storm Sewer Tabulation

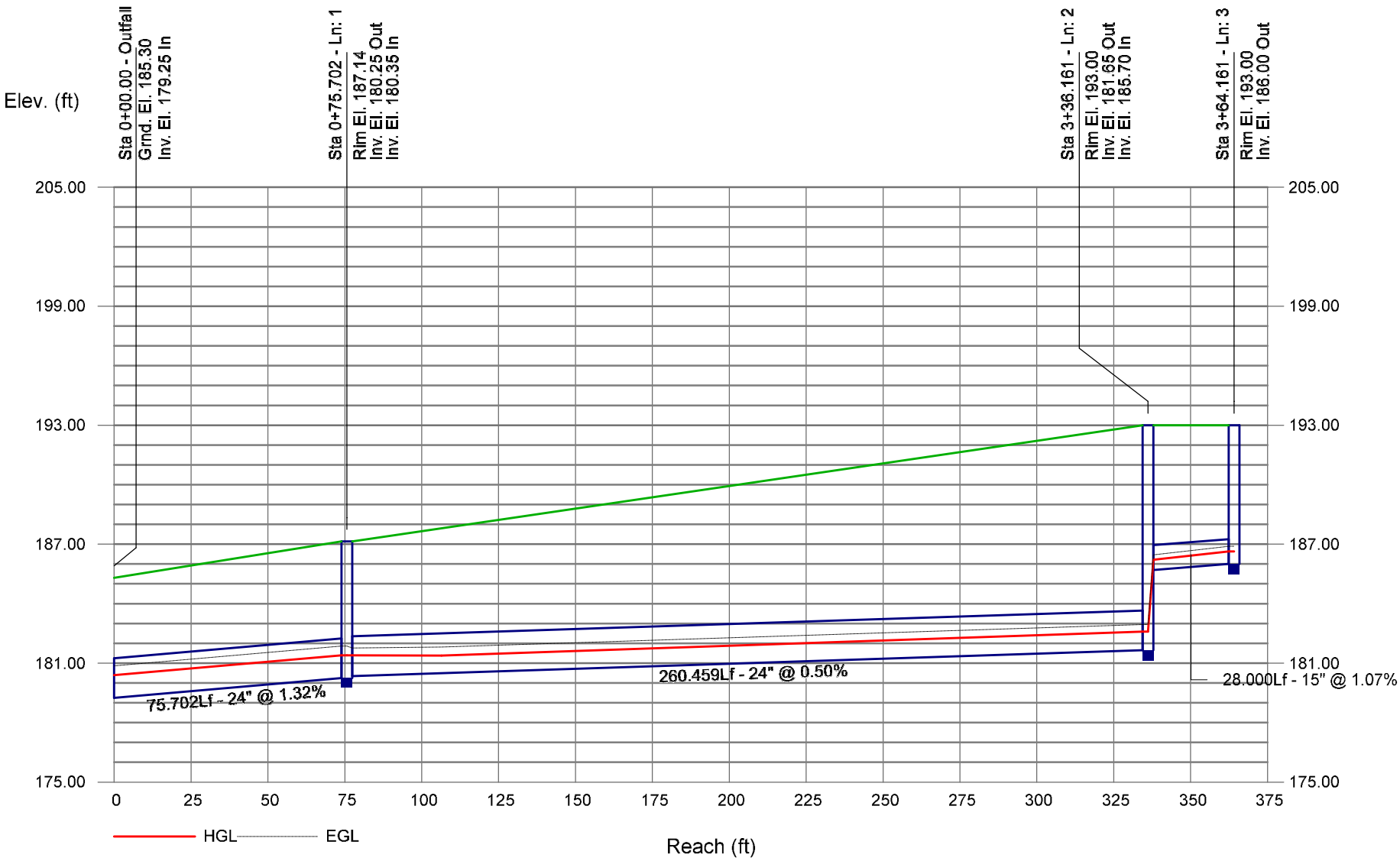
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	75.702	0.67	2.13	0.98	0.66	1.91	10.0	19.9	5.4	10.23	28.16	5.52	24	1.32	179.25	180.25	180.39	181.39	185.30	187.14	Pipe - (215)
2	1	260.459	0.36	1.46	0.98	0.35	1.26	10.0	18.2	5.6	6.99	17.31	4.52	24	0.50	180.35	181.65	181.39	182.59	187.14	193.00	Pipe - (214)
3	2	28.000	0.37	0.37	0.98	0.36	0.36	10.0	10.0	6.9	2.52	7.24	4.69	15	1.07	185.70	186.00	186.21	186.64	193.00	193.00	Pipe - (216)
4	2	114.876	0.05	0.73	0.74	0.04	0.54	10.0	17.5	5.7	3.06	4.93	4.23	15	0.50	182.50	183.07	183.21	183.78	193.00	193.04	Pipe - (213)
5	4	85.000	0.11	0.68	0.74	0.08	0.50	10.0	17.0	5.7	2.89	4.98	3.33	15	0.51	183.17	183.60	184.19	184.32	193.04	194.96	Pipe - (212)
6	5	85.000	0.11	0.57	0.74	0.08	0.42	10.0	16.3	5.8	2.46	4.98	3.62	15	0.51	183.70	184.13	184.44	184.76	194.96	196.60	Pipe - (211)
7	6	85.000	0.11	0.46	0.74	0.08	0.34	10.0	15.6	5.9	2.02	4.98	3.79	15	0.51	184.23	184.66	184.78	185.23	196.60	195.32	Pipe - (210)
8	7	85.000	0.12	0.35	0.74	0.09	0.26	10.0	14.6	6.1	1.58	4.98	1.35	15	0.51	183.76	184.19	185.23	185.26	195.32	188.00	Pipe - (209)
9	8	85.000	0.12	0.23	0.74	0.09	0.17	10.0	13.1	6.3	1.08	4.98	2.07	15	0.51	184.29	184.72	185.28	185.13	188.00	188.00	Pipe - (208)
10	9	85.000	0.11	0.11	0.74	0.08	0.08	10.0	10.0	6.9	0.57	4.98	2.49	15	0.51	184.82	185.25	185.13	185.54	188.00	188.00	Pipe - (207)

Project File: 46-inflow.stm | Number of lines: 10 | Run Date: 9/26/2025

NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

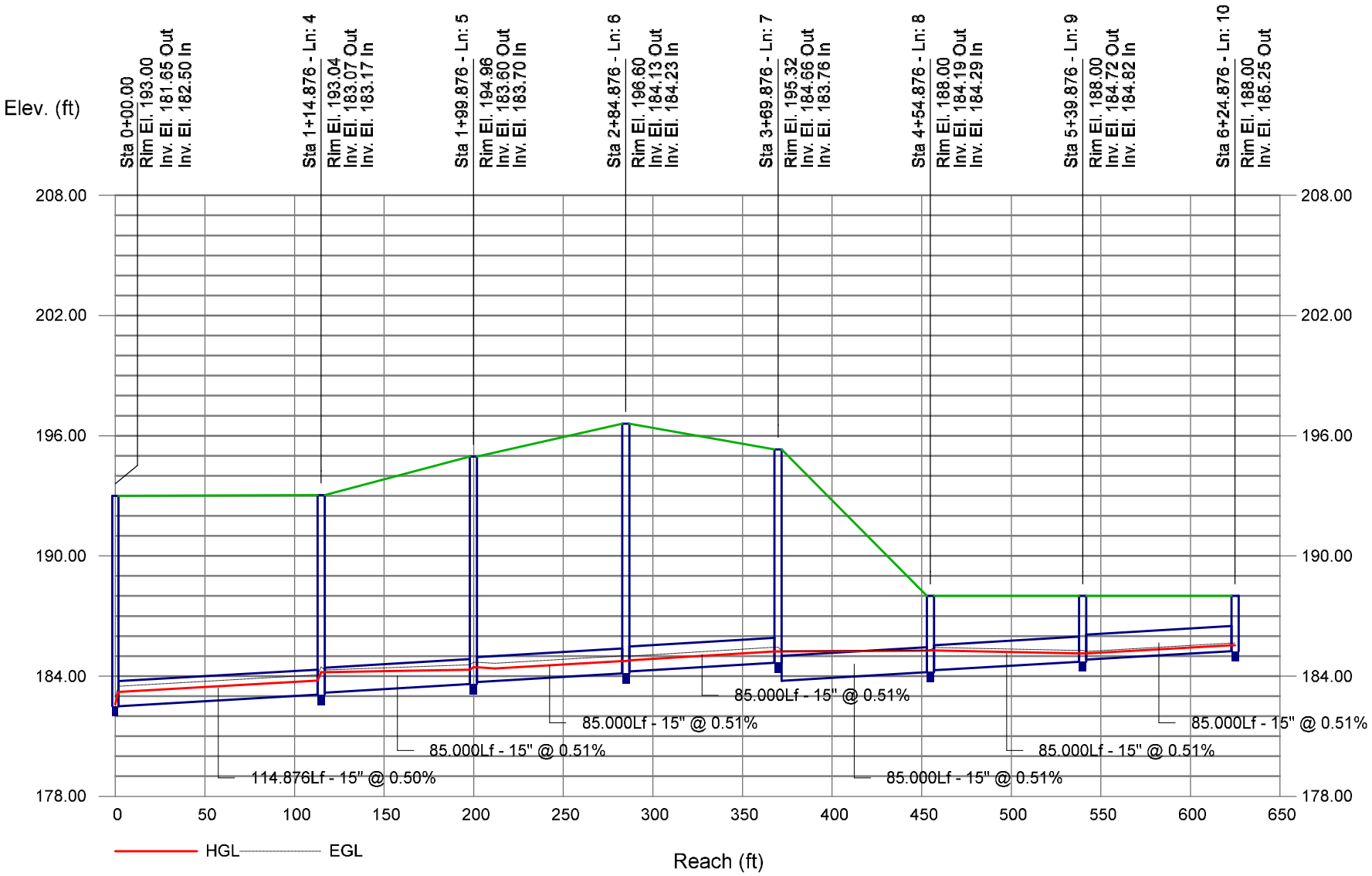
Storm Sewer Profile

Proj. file: 46-inflow.stm

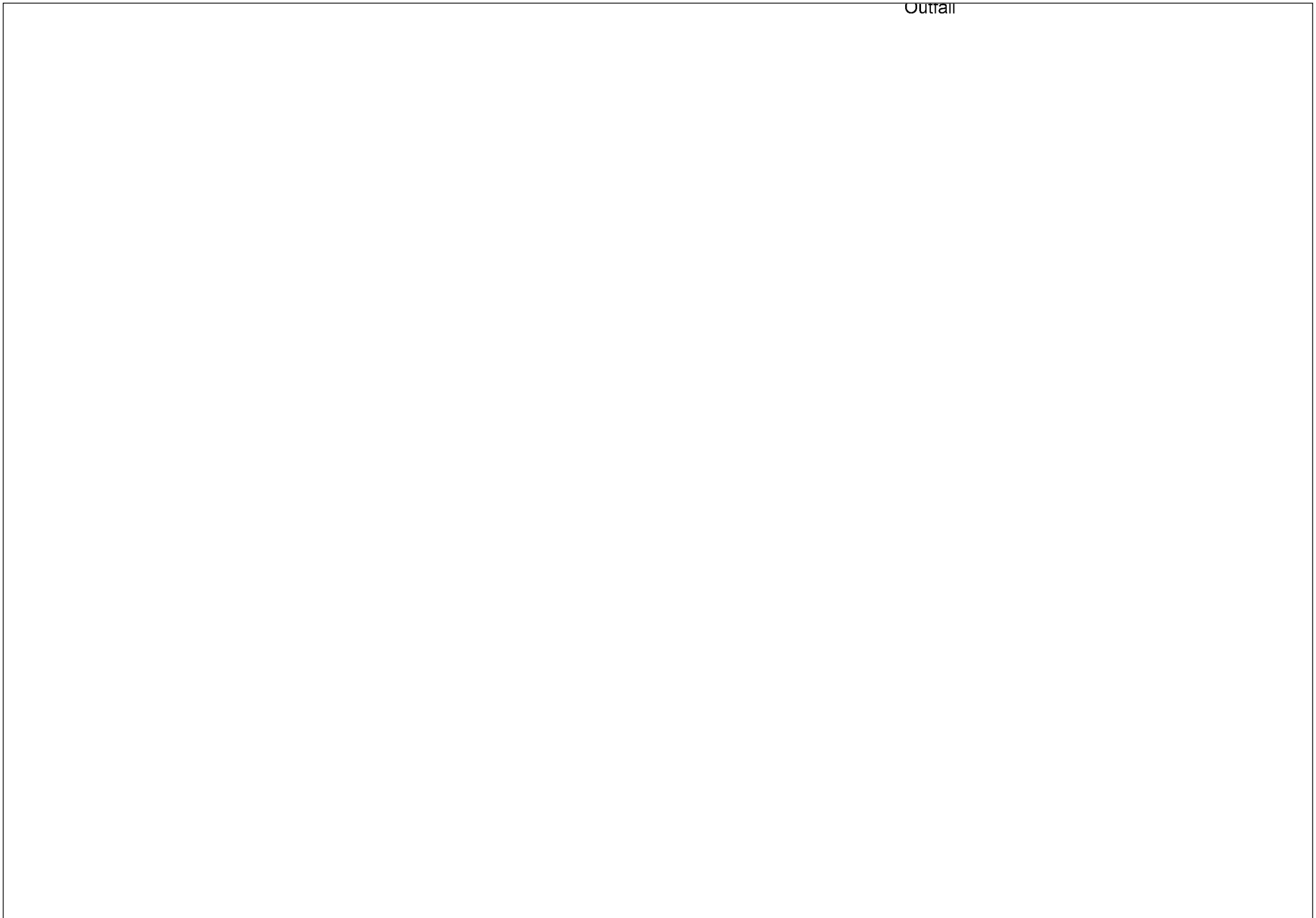


Storm Sewer Profile

Proj. file: 46-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Project File: 46-Outflow.stm	Number of lines: 1	Date: 9/26/2025

Storm Sewer Tabulation

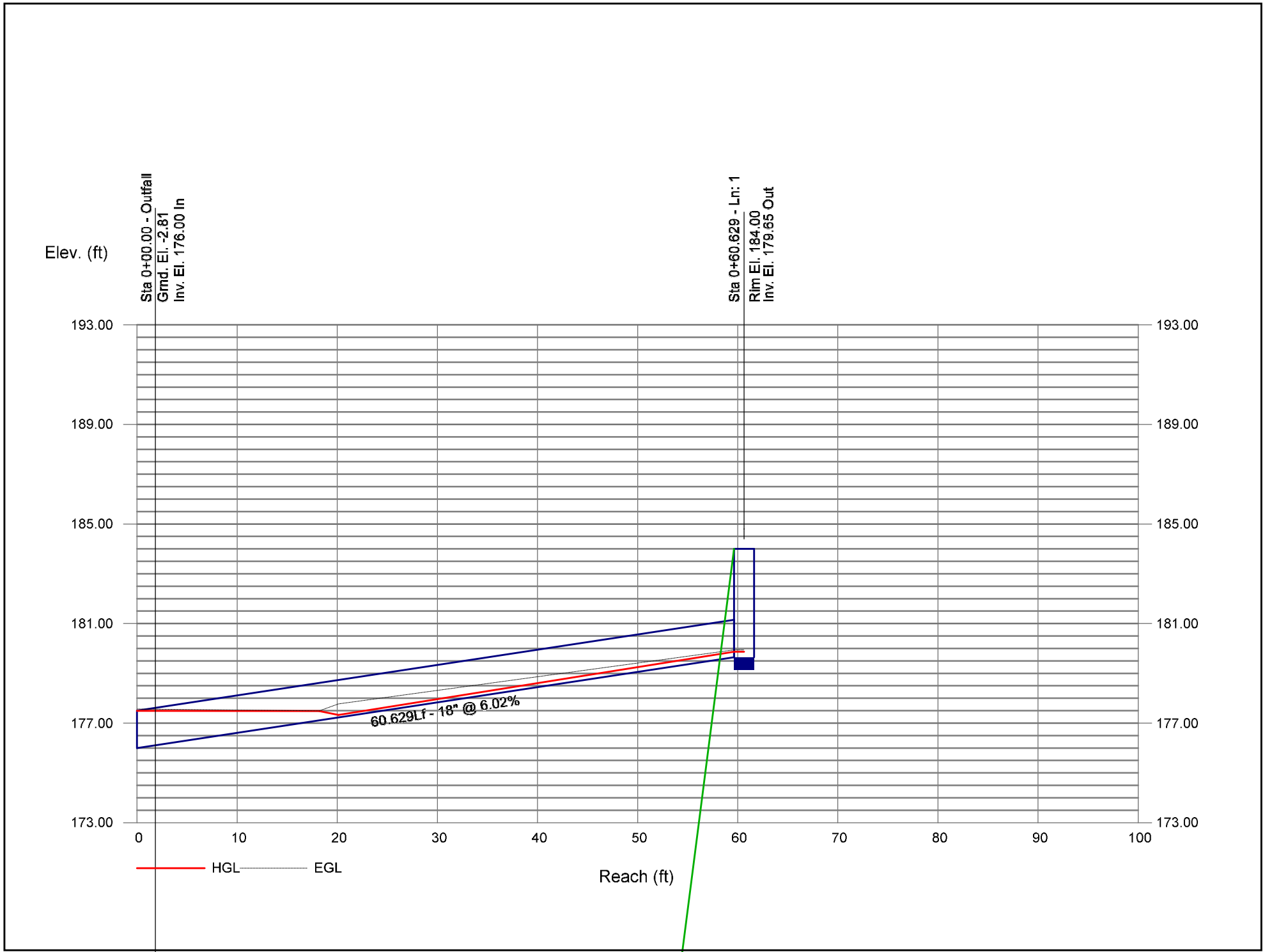
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	60.629	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.34	27.91	1.19	18	6.02	176.00	179.65	177.49	179.87	-2.81	184.00	Pipe - (217)

Project File: 46-Outflow.stm | Number of lines: 1 | Run Date: 9/26/2025

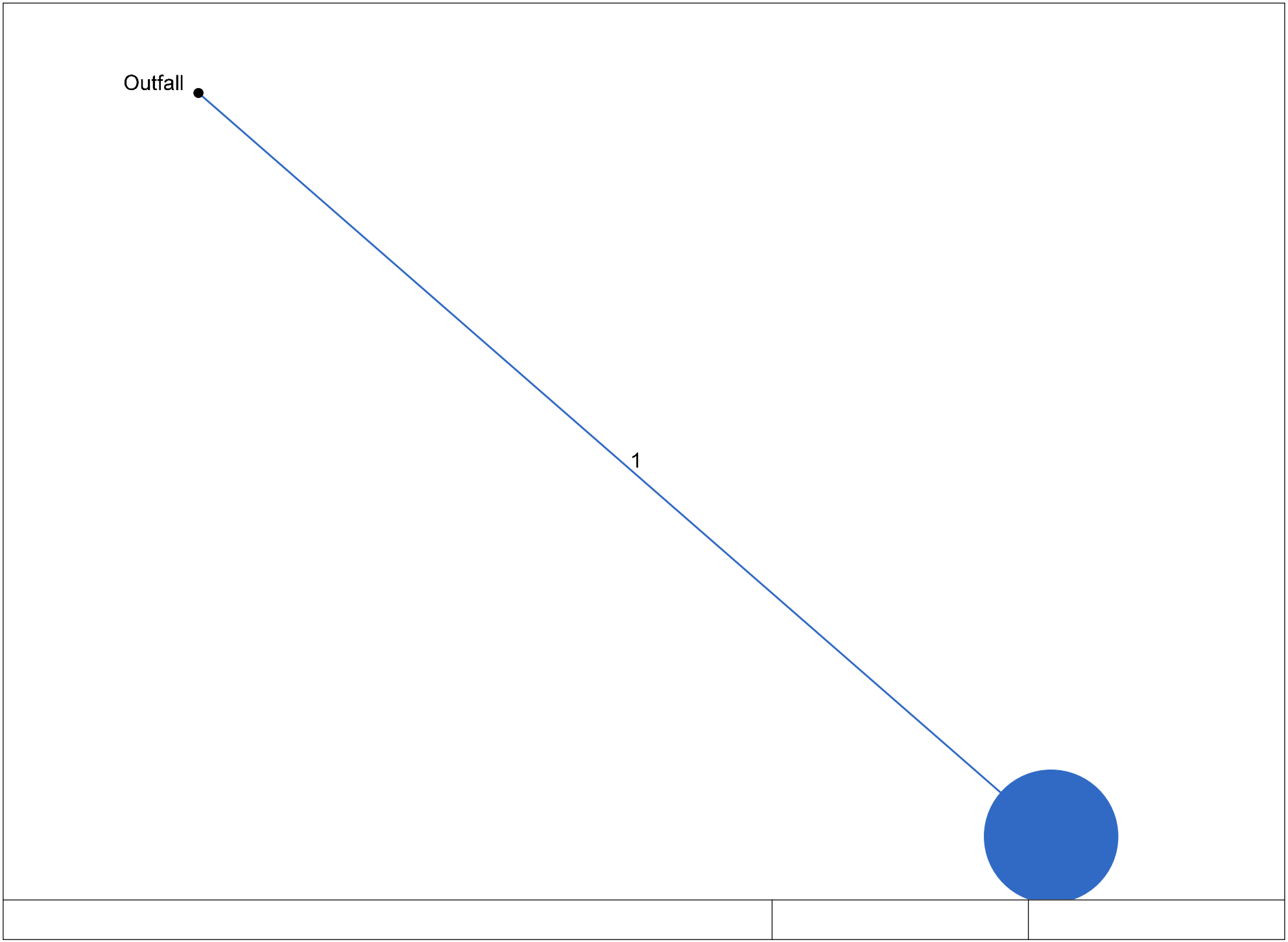
NOTES:Intensity = 127.16 / (Inlet time + 17.80) ^ 0.82; Return period =Yrs. 100 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 46-Outflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Tabulation

Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	29.881	0.65	0.65	0.98	0.64	0.64	10.0	10.0	6.9	4.42	4.96	4.73	15	0.50	189.00	189.15	189.85	190.09	191.04	191.90	Pipe - (219)

Project File: 47-inflow.stm

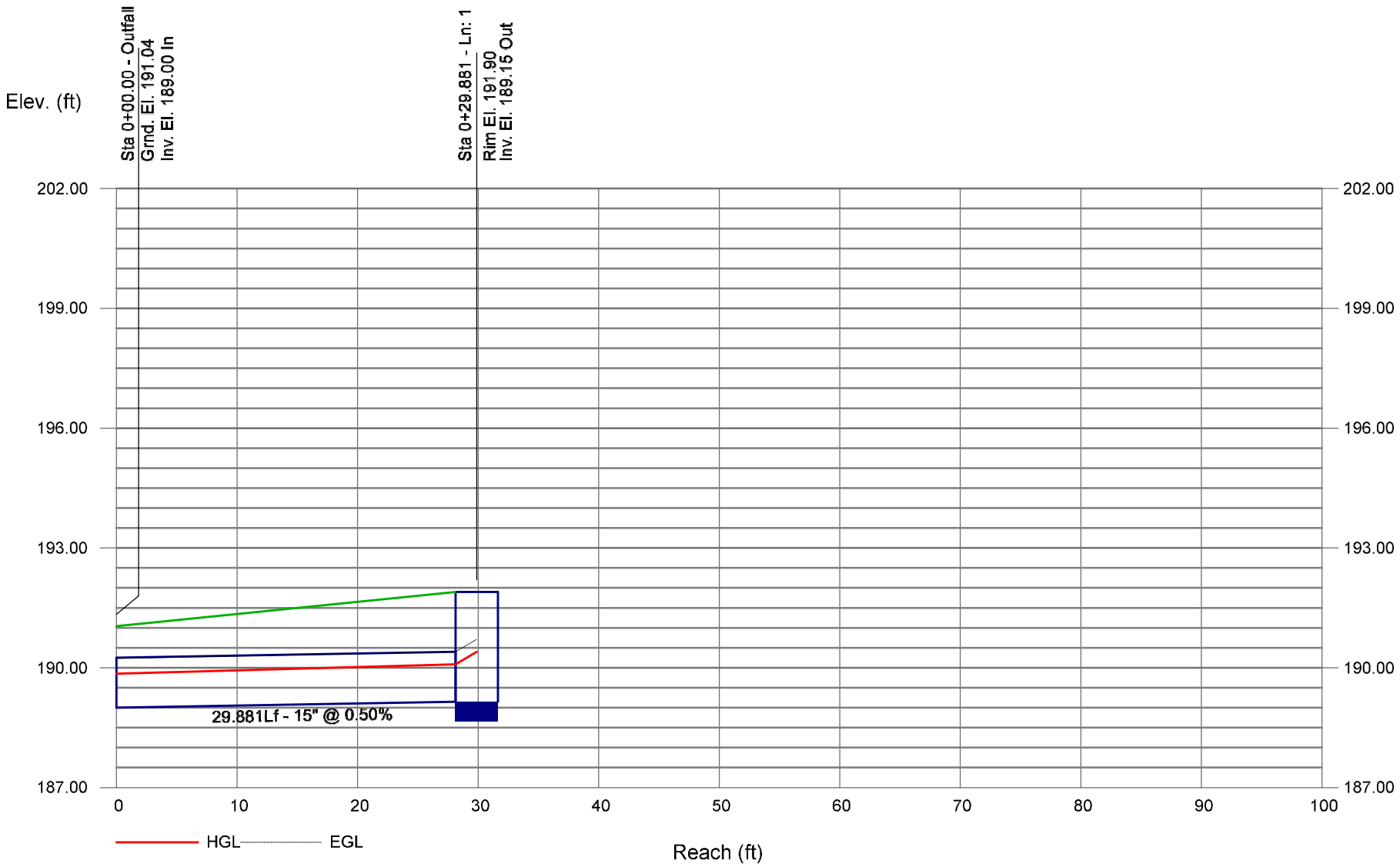
Number of lines: 1

Run Date: 9/26/2025

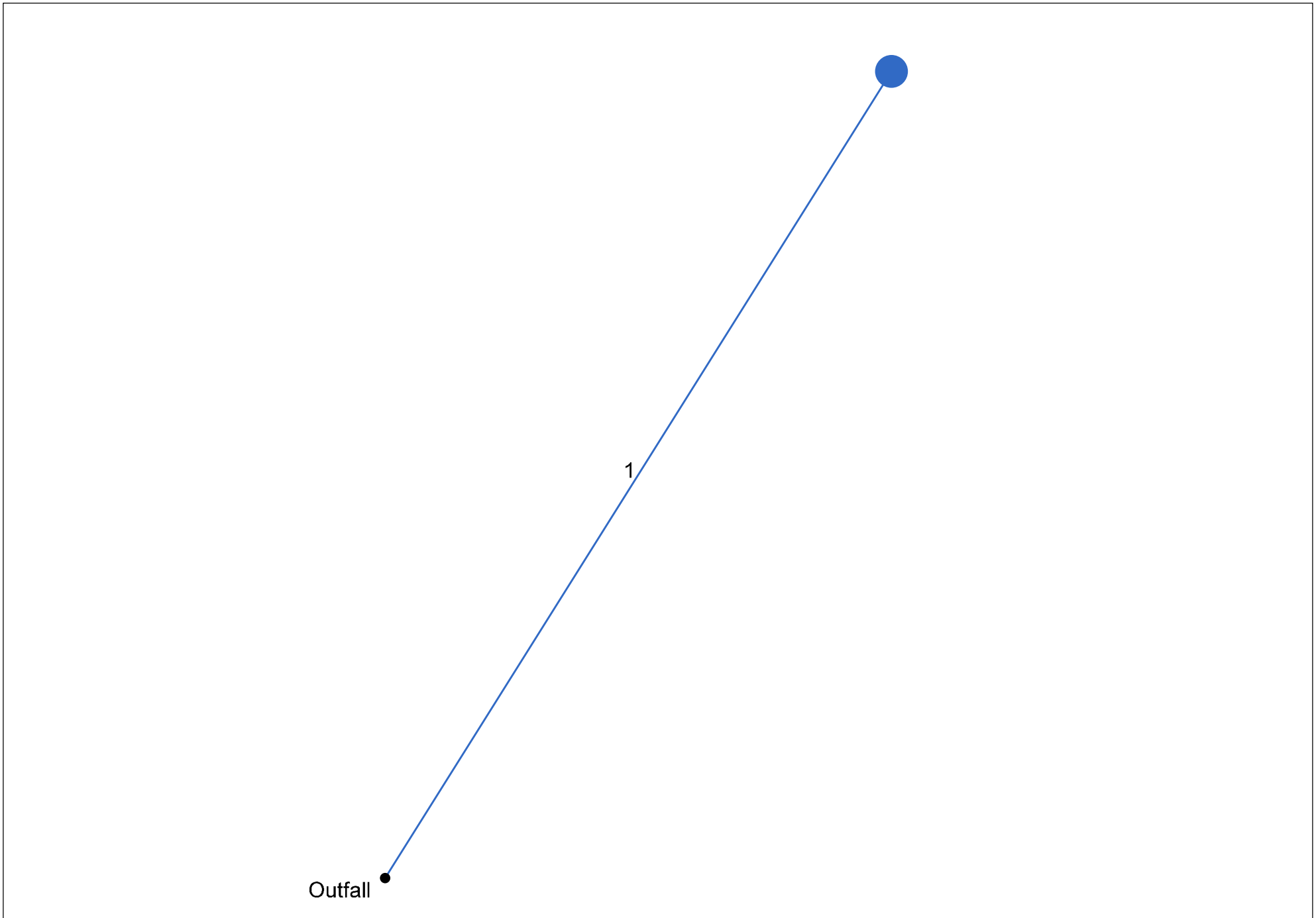
NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 47-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Project File: 47-outflow.stm	Number of lines: 1	Date: 9/26/2025

Storm Sewer Tabulation

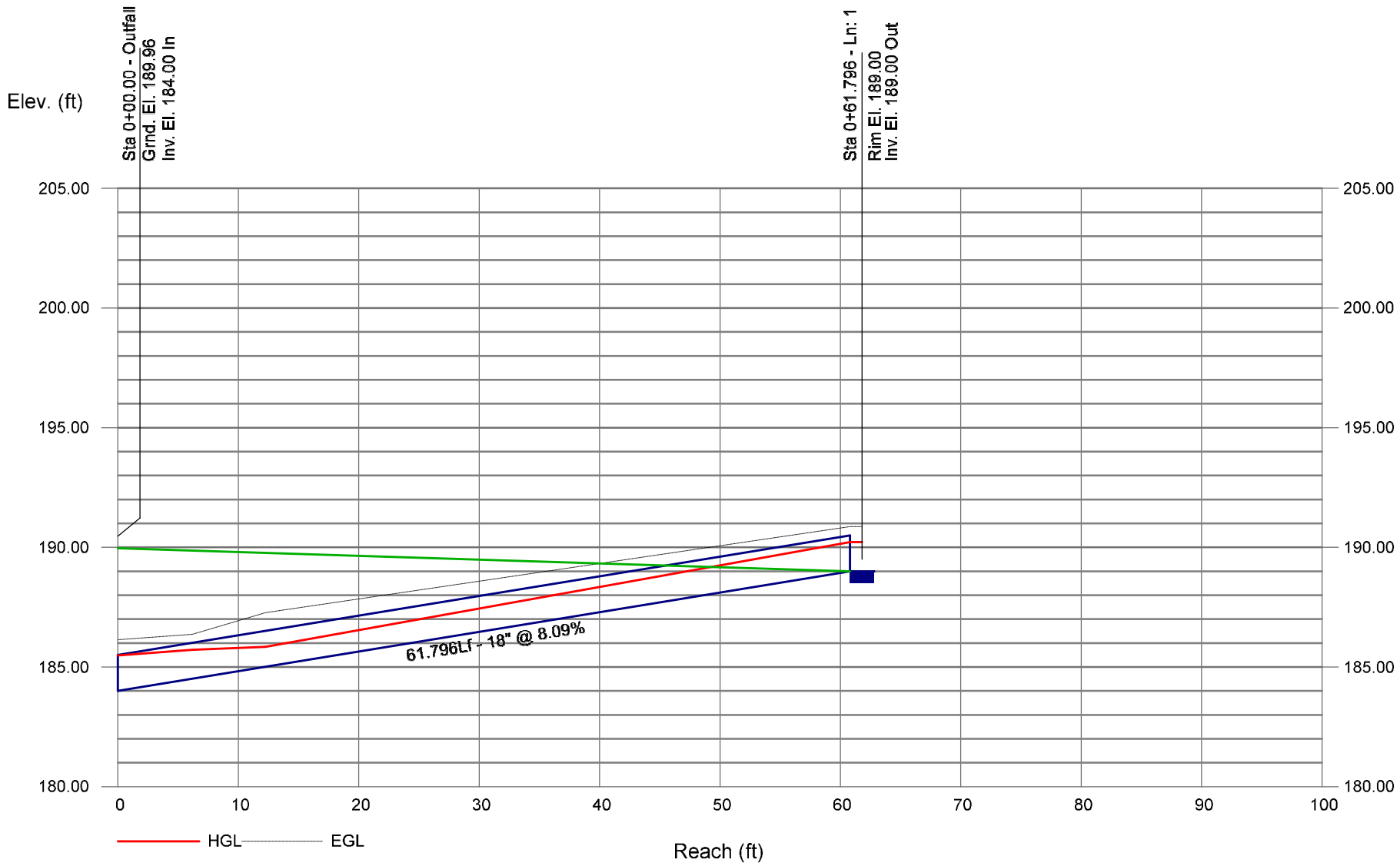
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	61.796	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	9.95	32.36	6.07	18	8.09	184.00	189.00	185.48	190.22	189.96	189.00	Pipe - (218)

Project File: 47-outflow.stm | Number of lines: 1 | Run Date: 9/26/2025

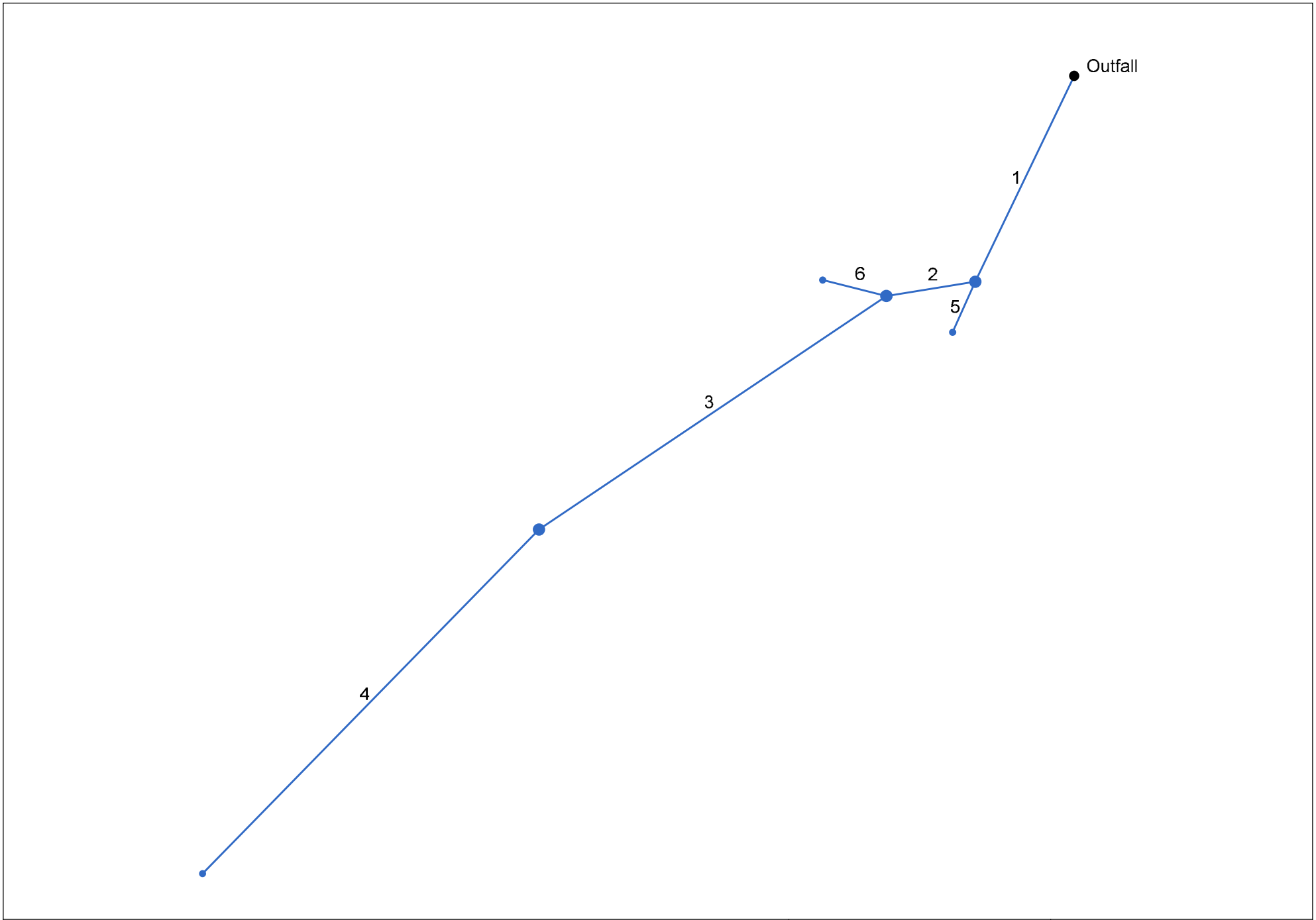
NOTES:Intensity = 127.16 / (Inlet time + 17.80) ^ 0.82; Return period =Yrs. 100 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 47-outflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Project File: 48-50-outflow.stm	Number of lines: 6	Date: 9/26/2025

Storm Sewer Tabulation

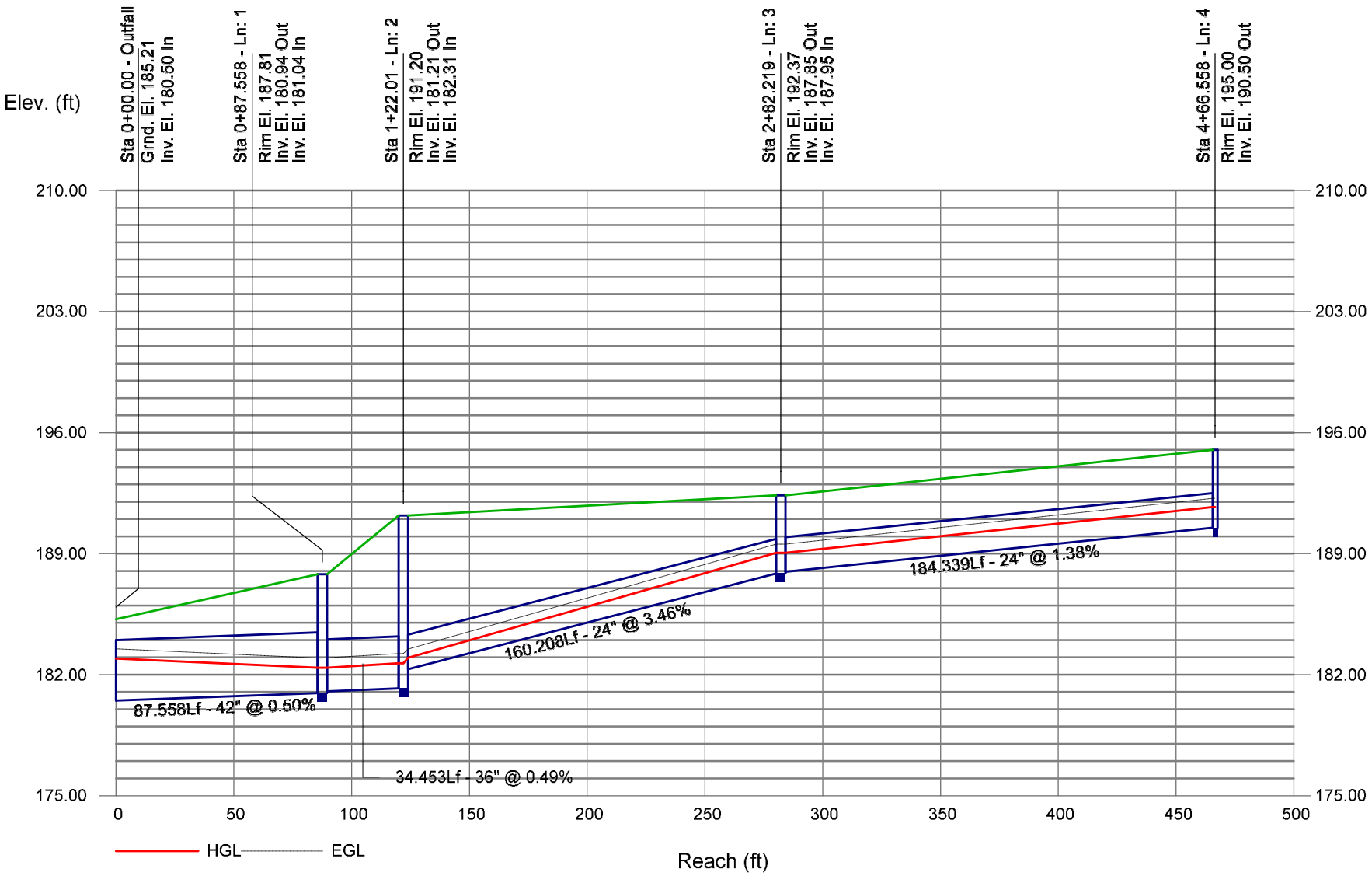
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	87.558	0.00	0.00	0.00	0.00	0.00	0.0	1.8	0.0	22.86	77.26	4.58	42	0.50	180.50	180.94	182.94	182.41	185.21	187.81	Pipe - (202) (1)
2	1	34.453	0.00	0.00	0.00	0.00	0.00	0.0	1.6	0.0	20.28	50.75	6.25	36	0.49	181.04	181.21	182.41	182.65	187.81	191.20	Proposed Storm-P
3	2	160.208	0.00	0.00	0.00	0.00	0.00	0.0	0.9	0.0	11.09	45.56	8.81	24	3.46	182.31	187.85	182.98	189.04	191.20	192.37	Proposed Storm-P
4	3	184.339	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	11.09	28.82	5.99	24	1.38	187.95	190.50	189.04	191.69	192.37	195.00	Pipe - (203)
5	1	21.285	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	2.58	55.96	6.32	24	5.21	182.54	183.65	182.83	184.21	187.81	188.00	Pipe - (202)
6	2	25.083	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	9.19	21.33	5.92	24	0.76	182.06	182.25	182.98	183.33	191.20	187.00	Proposed Storm-P

Project File: 48-50-outflow.stm | Number of lines: 6 | Run Date: 9/26/2025

NOTES:Intensity = 127.16 / (Inlet time + 17.80) ^ 0.82; Return period =Yrs. 100 ; c = cir e = ellip b = box

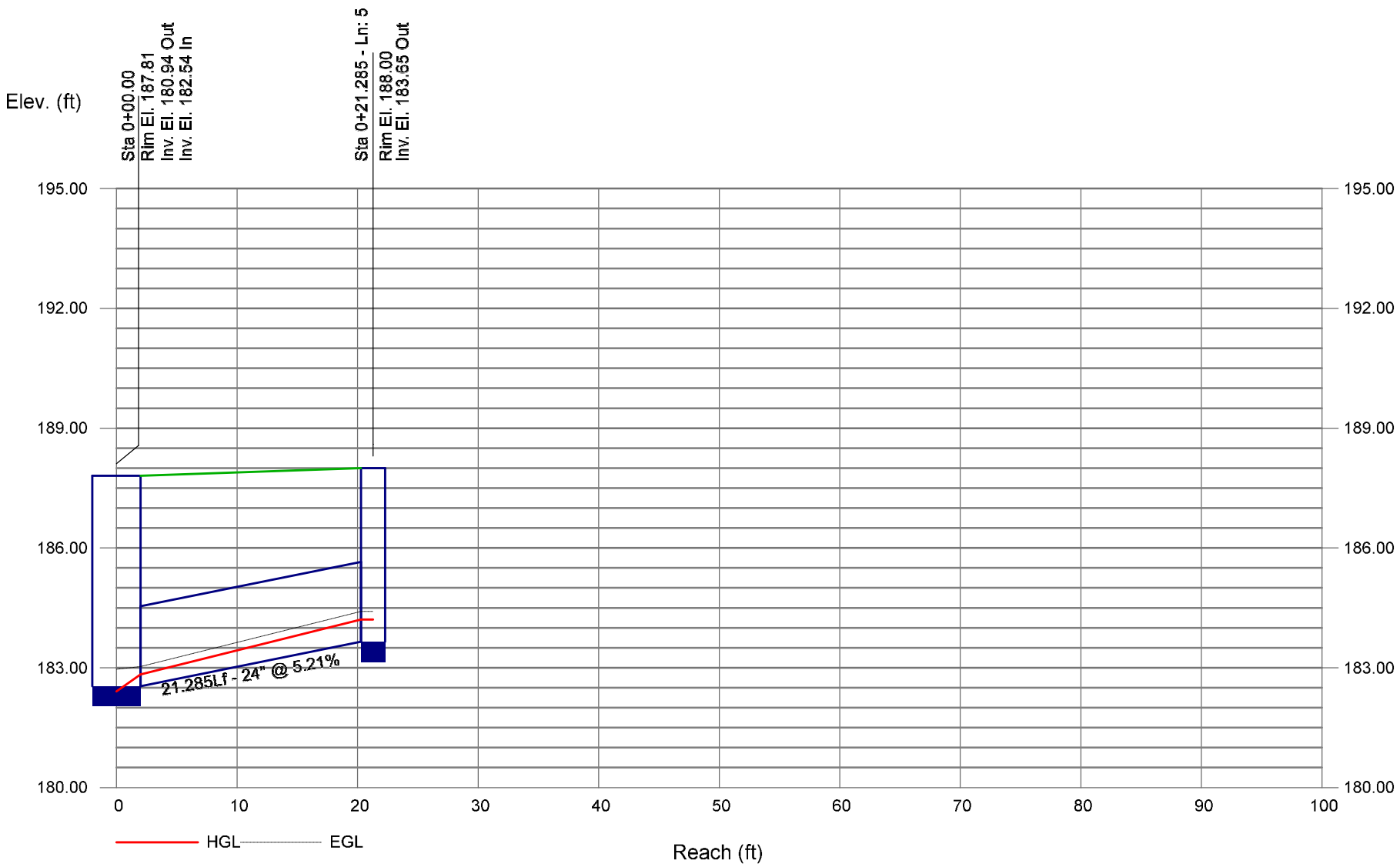
Storm Sewer Profile

Proj. file: 48-50-outflow.stm



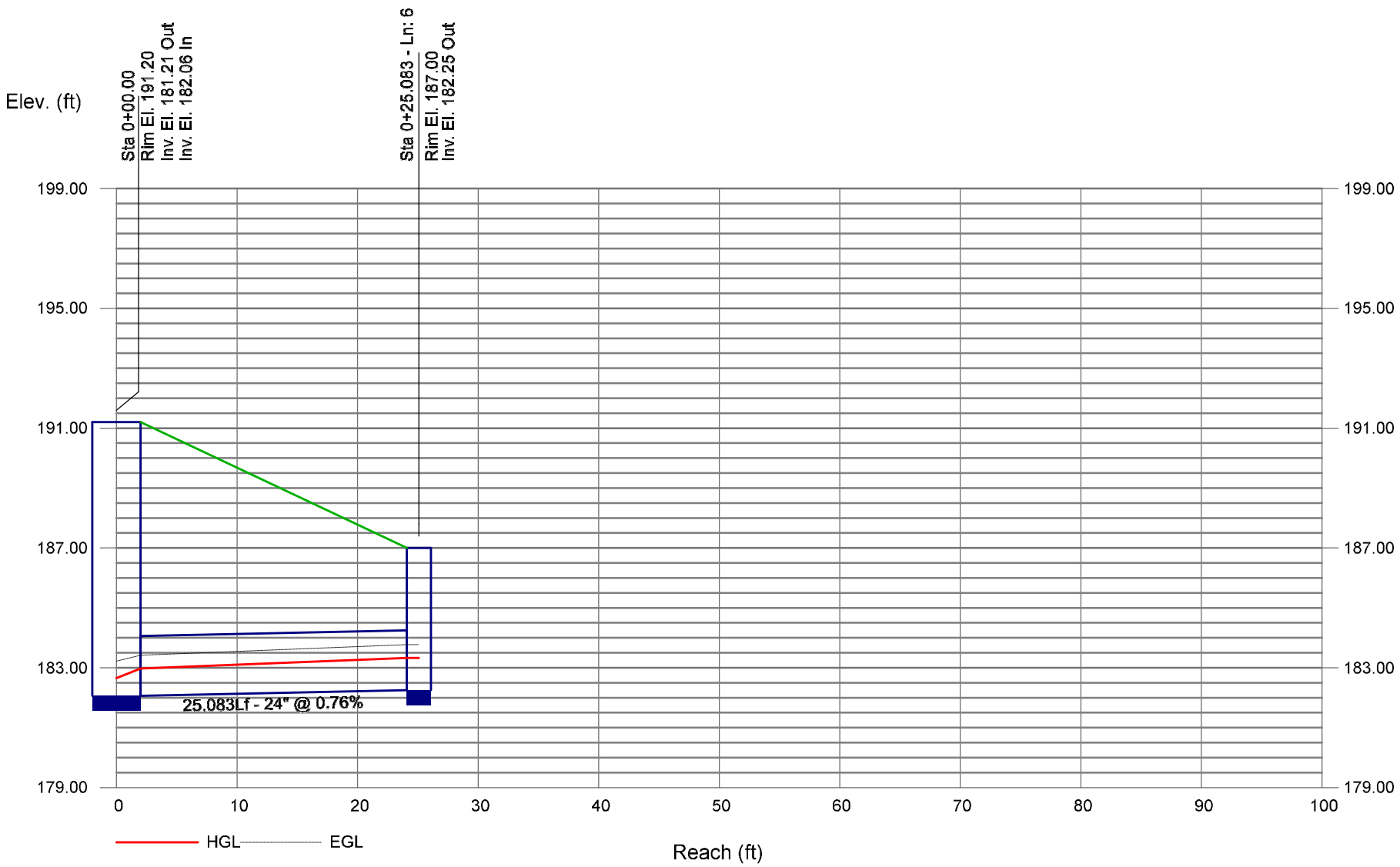
Storm Sewer Profile

Proj. file: 48-50-outflow.stm

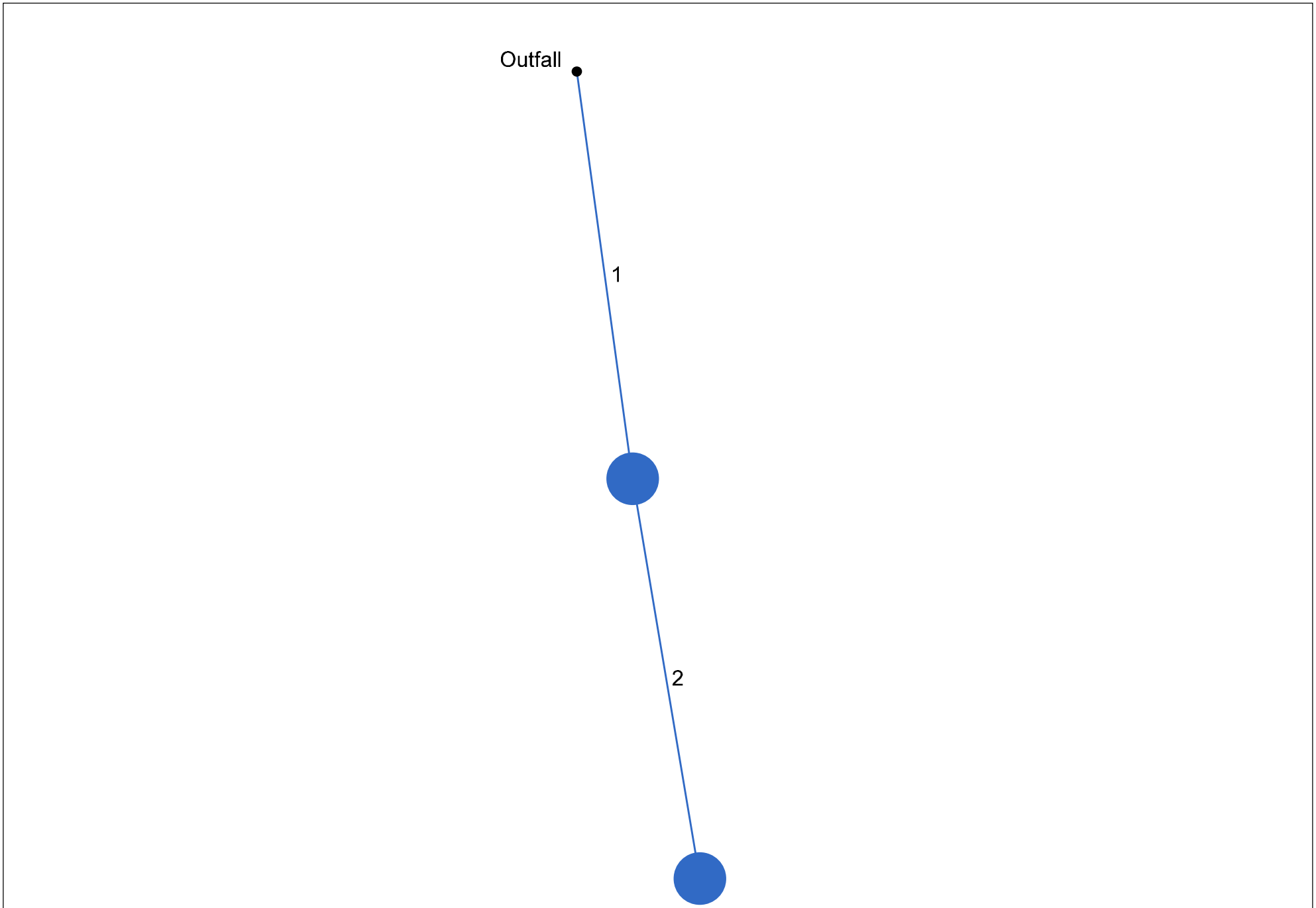


Storm Sewer Profile

Proj. file: 48-50-outflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Tabulation

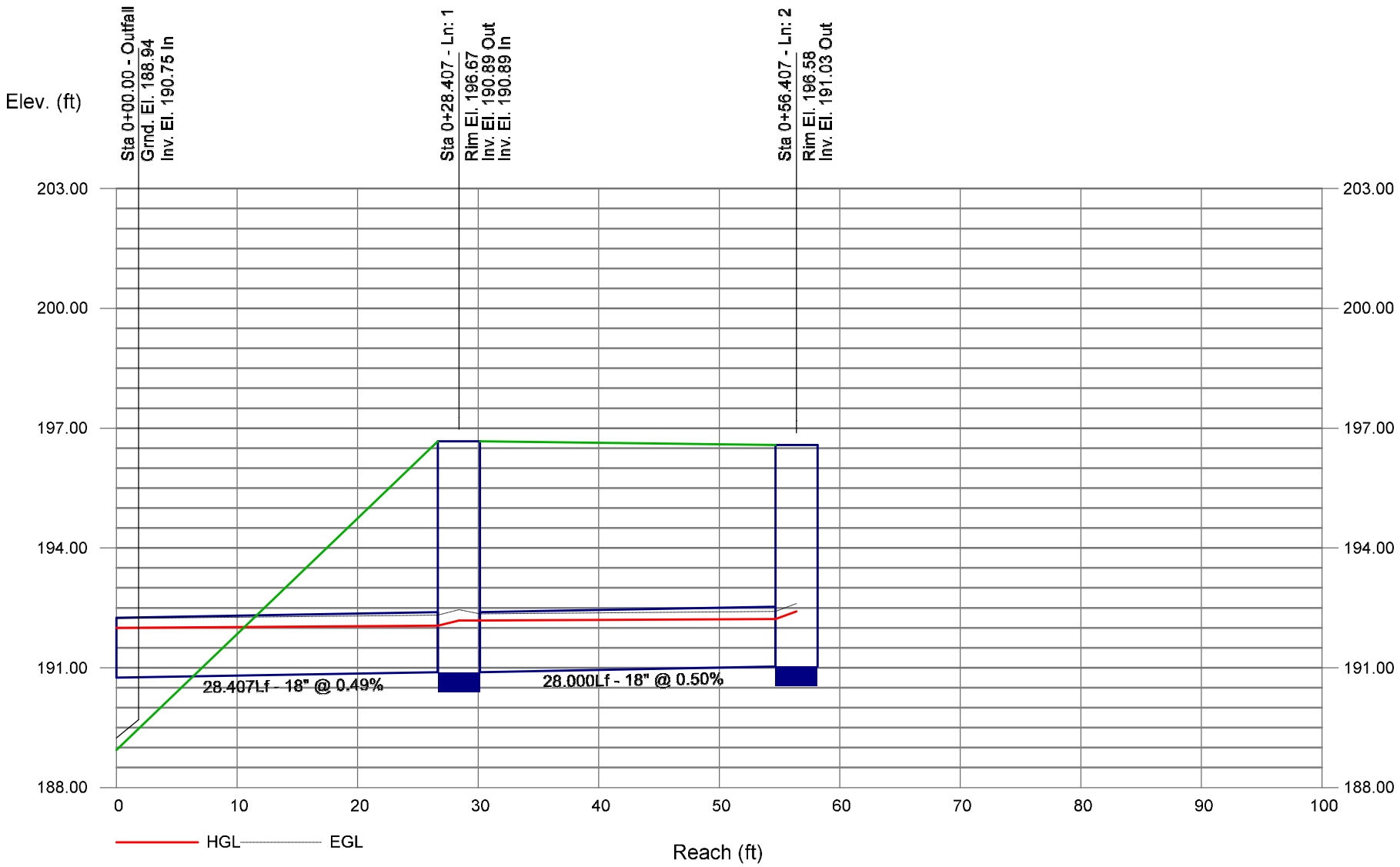
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	28.407	0.12	0.90	0.98	0.12	0.88	10.0	10.2	6.9	6.10	7.99	4.02	18	0.49	190.75	190.89	192.00	192.05	188.94	196.67	Pipe - (206)
2	1	28.000	0.78	0.78	0.98	0.76	0.76	10.0	10.0	6.9	5.31	8.04	3.41	18	0.50	190.89	191.03	192.18	192.22	196.67	196.58	Pipe - (205)

Project File: 48-inflow.stm | Number of lines: 2 | Run Date: 9/26/2025

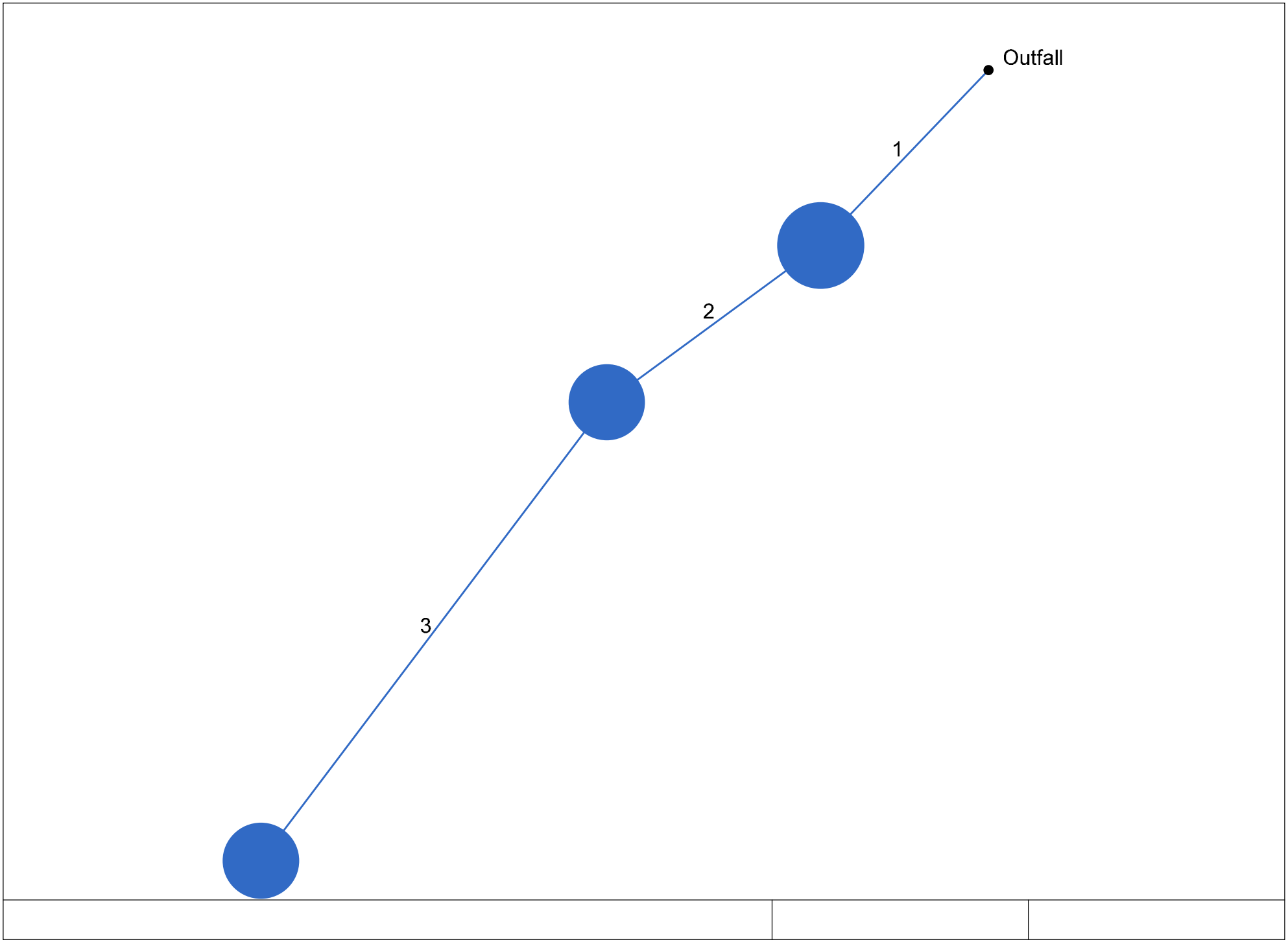
NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 48-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Tabulation

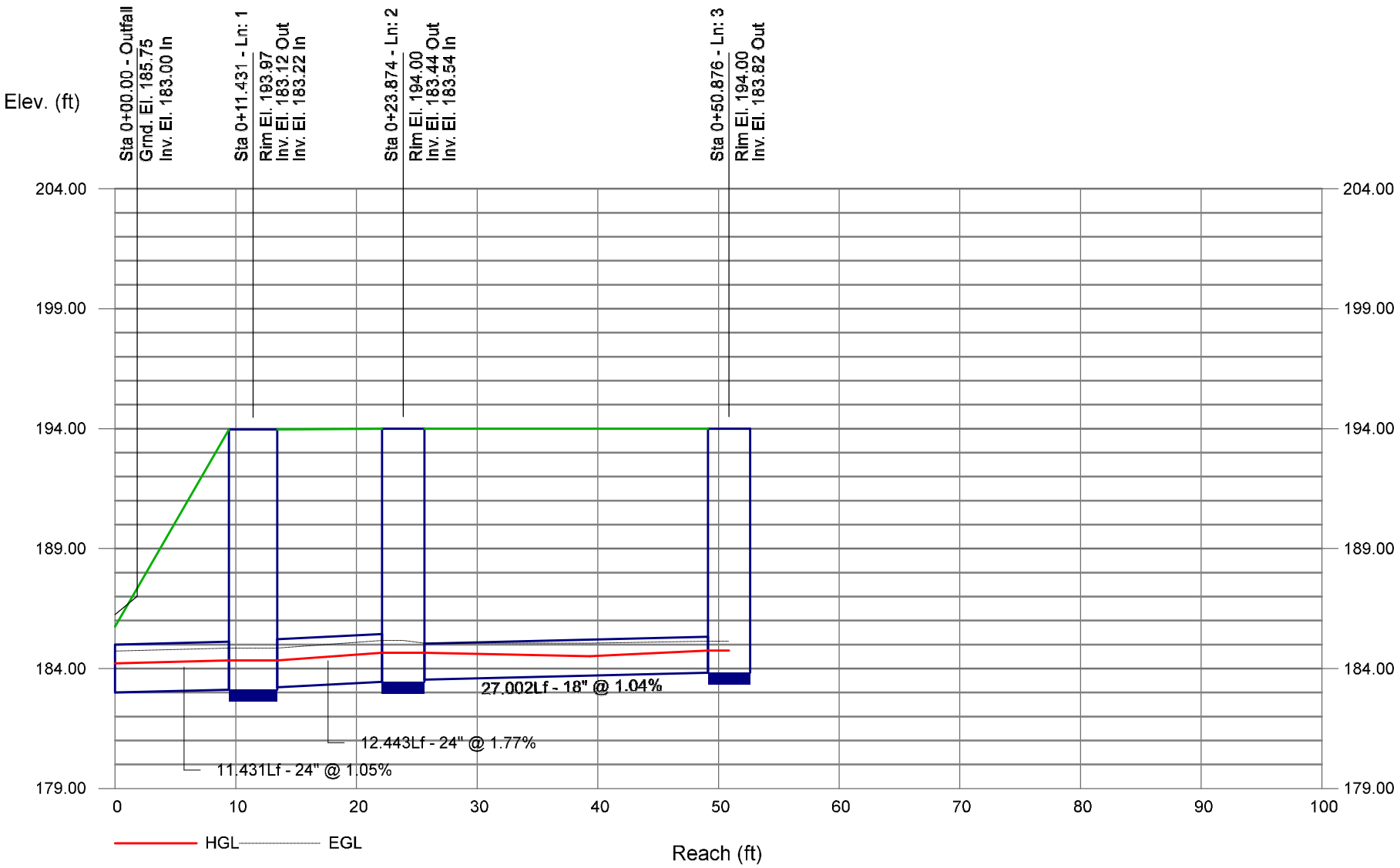
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	11.431	0.00	1.70	0.00	0.00	1.67	0.0	10.2	6.9	11.50	25.10	5.75	24	1.05	183.00	183.12	184.22	184.34	185.75	193.97	Pipe - (204)
2	1	12.443	0.85	1.70	0.98	0.83	1.67	10.0	10.1	6.9	11.52	32.58	6.07	24	1.77	183.22	183.44	184.34	184.66	193.97	194.00	Pipe - (493)
3	2	27.002	0.85	0.85	0.98	0.83	0.83	10.0	10.0	6.9	5.79	11.58	4.57	18	1.04	183.54	183.82	184.66	184.75	194.00	194.00	Pipe - (485)

Project File: 49-inflow.stm | Number of lines: 3 | Run Date: 9/26/2025

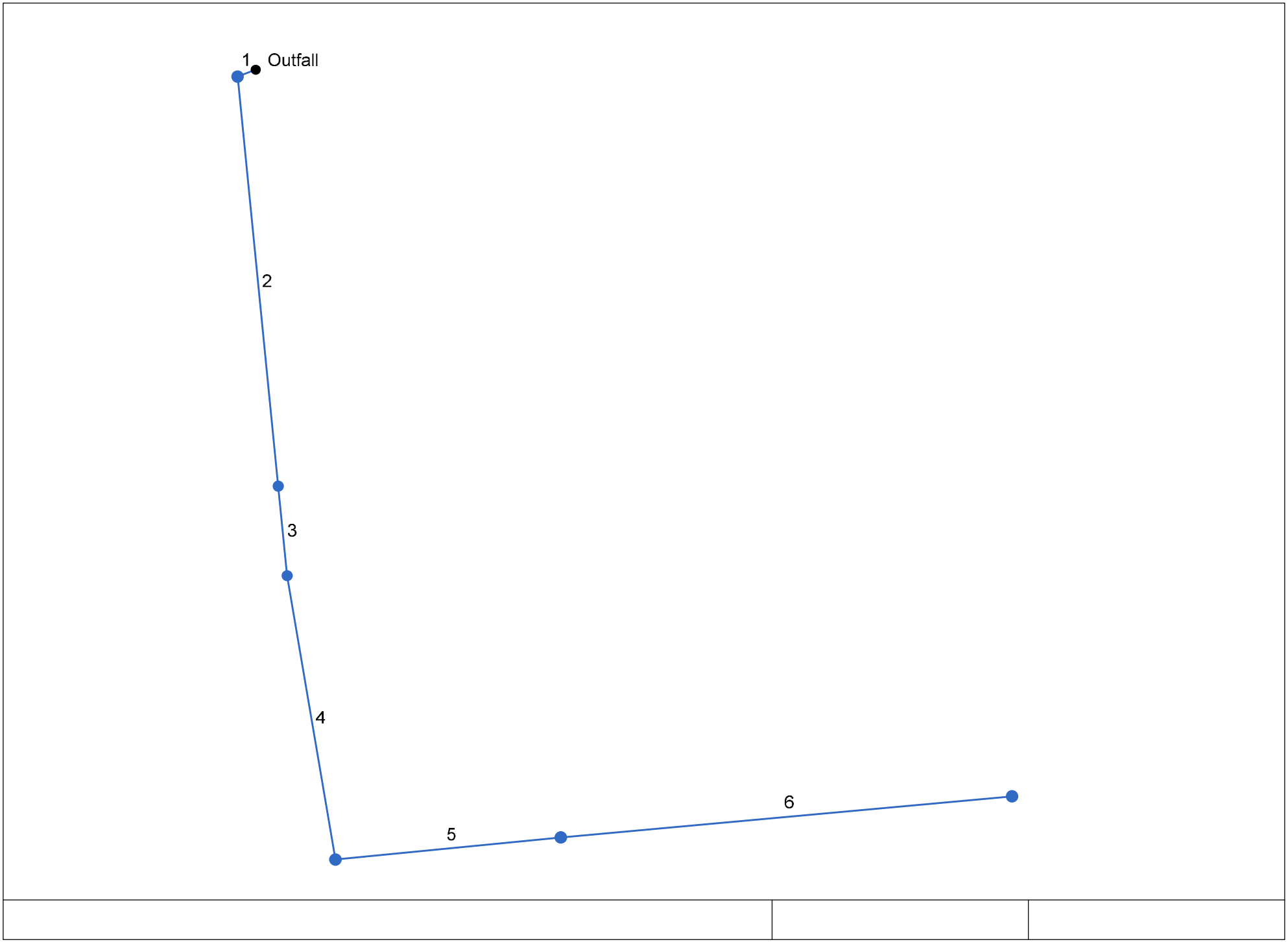
NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 49-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Tabulation

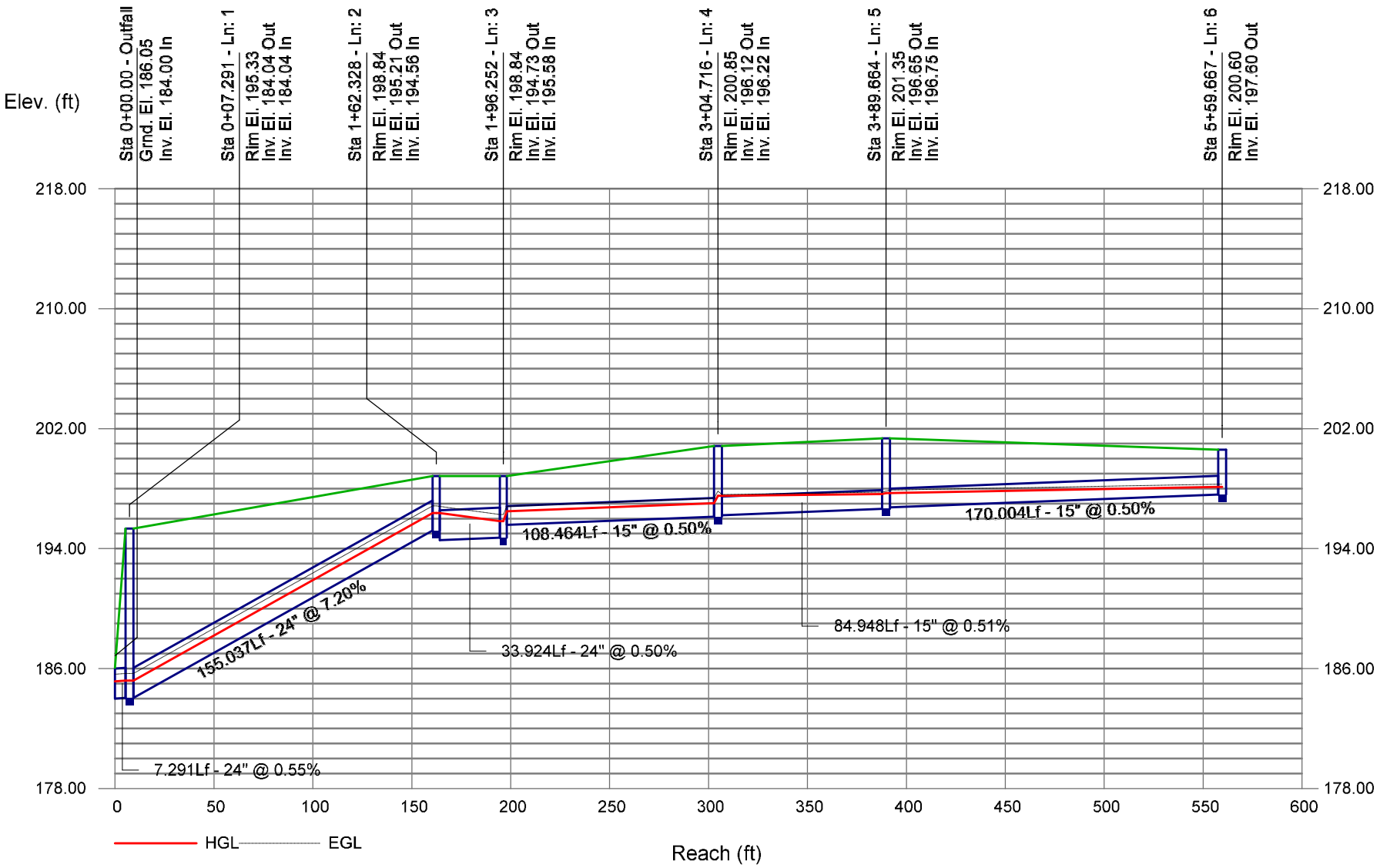
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	7.291	0.00	1.93	0.00	0.00	1.67	10.0	14.1	6.2	10.31	18.15	5.52	24	0.55	184.00	184.04	185.15	185.19	186.05	195.33	Pipe - (200)
2	1	155.037	0.18	1.93	0.98	0.18	1.67	10.0	13.3	6.3	10.52	65.77	5.60	24	7.20	184.04	195.21	185.19	196.37	195.33	198.84	Pipe - (199)
3	2	33.924	0.83	1.75	0.98	0.81	1.49	10.0	13.2	6.3	9.46	17.35	4.26	24	0.50	194.56	194.73	196.37	195.83	198.84	198.84	Pipe - (198)
4	3	108.464	0.30	0.92	0.74	0.22	0.68	10.0	12.7	6.4	4.37	4.94	4.54	15	0.50	195.58	196.12	196.49	197.03	198.84	200.85	Pipe - (197)
5	4	84.948	0.30	0.62	0.74	0.22	0.46	10.0	12.1	6.5	2.99	4.98	2.65	15	0.51	196.22	196.65	197.52	197.64	200.85	201.35	Pipe - (196)
6	5	170.004	0.32	0.32	0.74	0.24	0.24	10.0	10.0	6.9	1.64	4.95	2.57	15	0.50	196.75	197.60	197.71	198.11	201.35	200.60	Pipe - (195)

Project File: 50-inflow.stm | Number of lines: 6 | Run Date: 9/26/2025

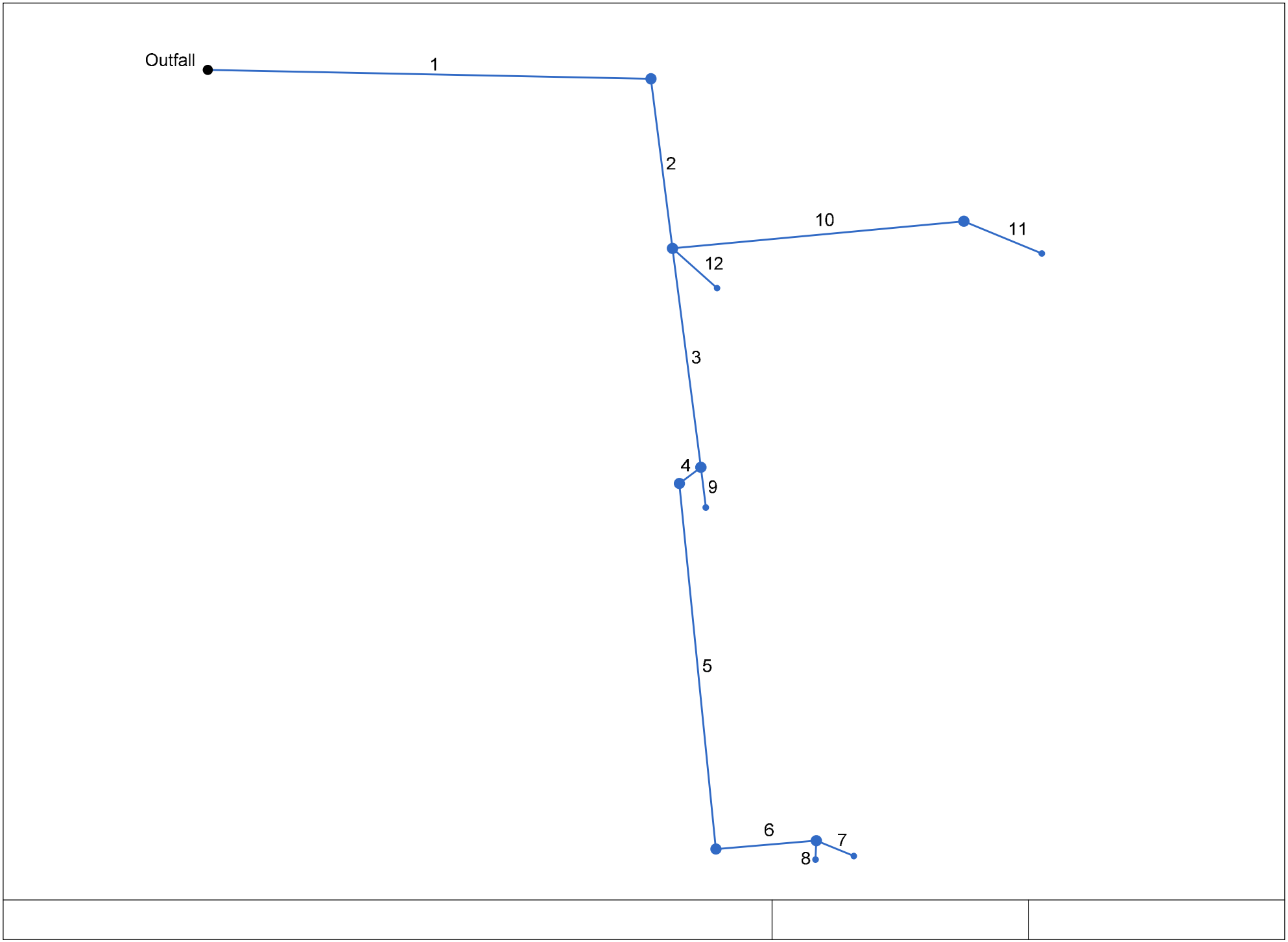
NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 50-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Tabulation

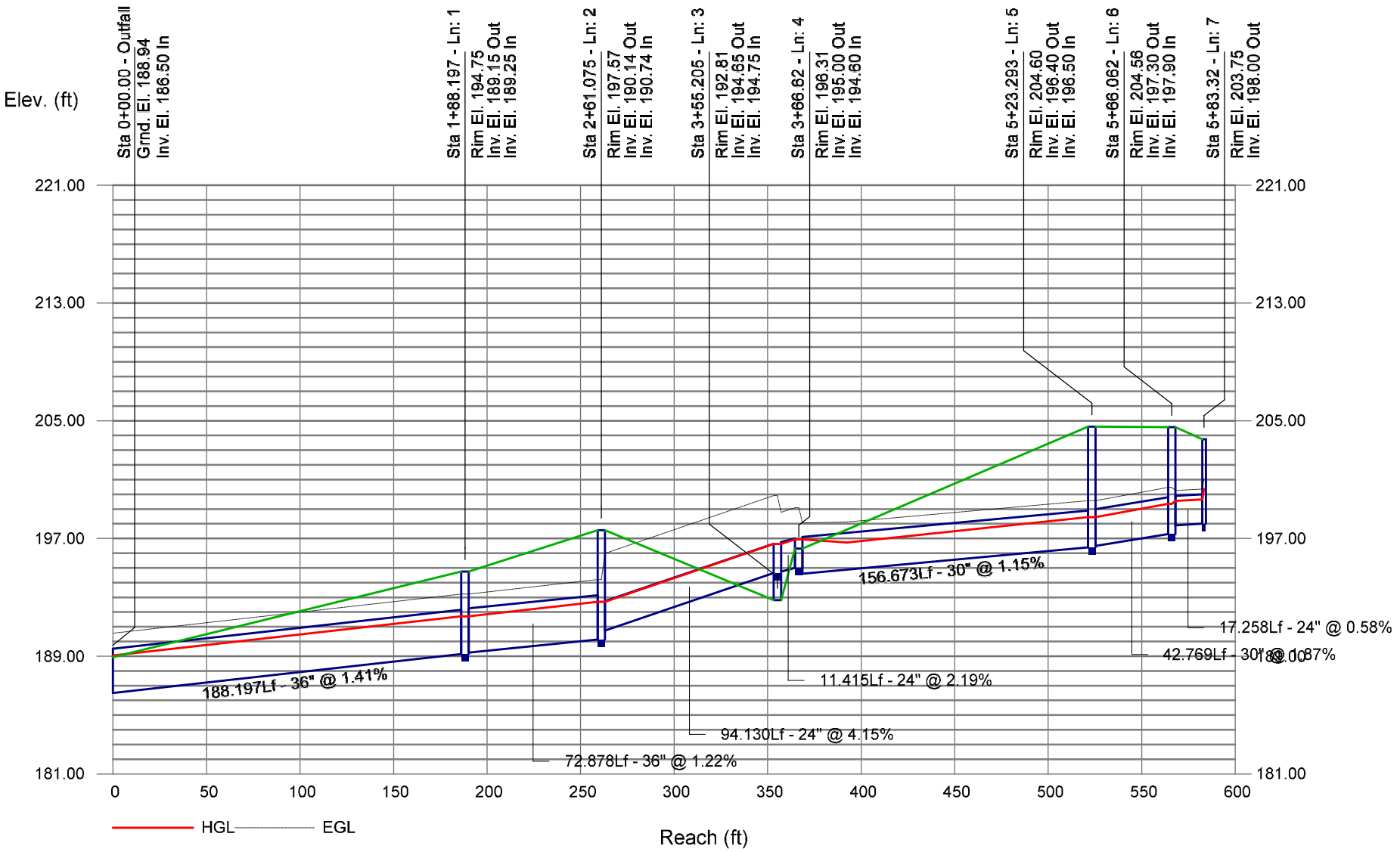
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	188.197	0.00	0.00	0.00	0.00	0.00	0.0	1.8	0.0	63.26	85.74	9.86	36	1.41	186.50	189.15	189.06	191.71	188.94	194.75	Proposed Storm-P
2	1	72.878	0.00	0.00	0.00	0.00	0.00	0.0	1.7	0.0	63.26	79.84	10.04	36	1.22	189.25	190.14	191.71	192.70	194.75	197.57	Proposed Storm-P
3	2	94.130	0.00	0.00	0.00	0.00	0.00	0.0	0.5	0.0	45.61	49.94	14.58	24	4.15	190.74	194.65	192.70	196.62	197.57	192.81	Proposed Storm-P
4	3	11.415	0.00	0.00	0.00	0.00	0.00	0.0	0.5	0.0	36.58	36.26	11.87	24	2.19	194.75	195.00	196.62	196.93	192.81	196.31	Proposed Storm-P
5	4	156.673	0.00	0.00	0.00	0.00	0.00	0.0	0.1	0.0	36.58	47.62	8.09	30	1.15	194.60	196.40	196.93	198.45	196.31	204.60	Proposed Storm-P
6	5	42.769	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	36.58	60.76	8.71	30	1.87	196.50	197.30	198.45	199.35	204.60	204.56	Proposed Storm-P
7	6	17.258	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	18.80	18.65	6.77	24	0.58	197.90	198.00	199.55	199.65	204.56	203.75	Proposed Storm-P
8	6	8.062	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	17.78	27.29	7.12	24	1.24	197.90	198.00	199.35	199.52	204.56	204.00	Proposed Storm-P
9	3	17.249	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	9.03	13.70	5.11	18	1.45	194.75	195.00	196.62	196.73	192.81	199.00	Proposed Storm-P
10	2	124.245	0.00	0.00	0.00	0.00	0.00	0.0	0.4	0.0	4.93	17.31	2.96	24	0.50	190.74	191.36	192.70	192.14	197.57	196.15	Pipe - (189)
11	10	35.855	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	4.93	17.84	4.59	24	0.53	191.46	191.65	192.18	192.43	196.15	196.00	Pipe - (190)
12	2	25.402	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	12.72	21.53	7.42	18	3.58	190.74	191.65	192.70	192.99	197.57	196.00	Pipe - (188)

Project File: 51-inflow.stm | Number of lines: 12 | Run Date: 9/26/2025

NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

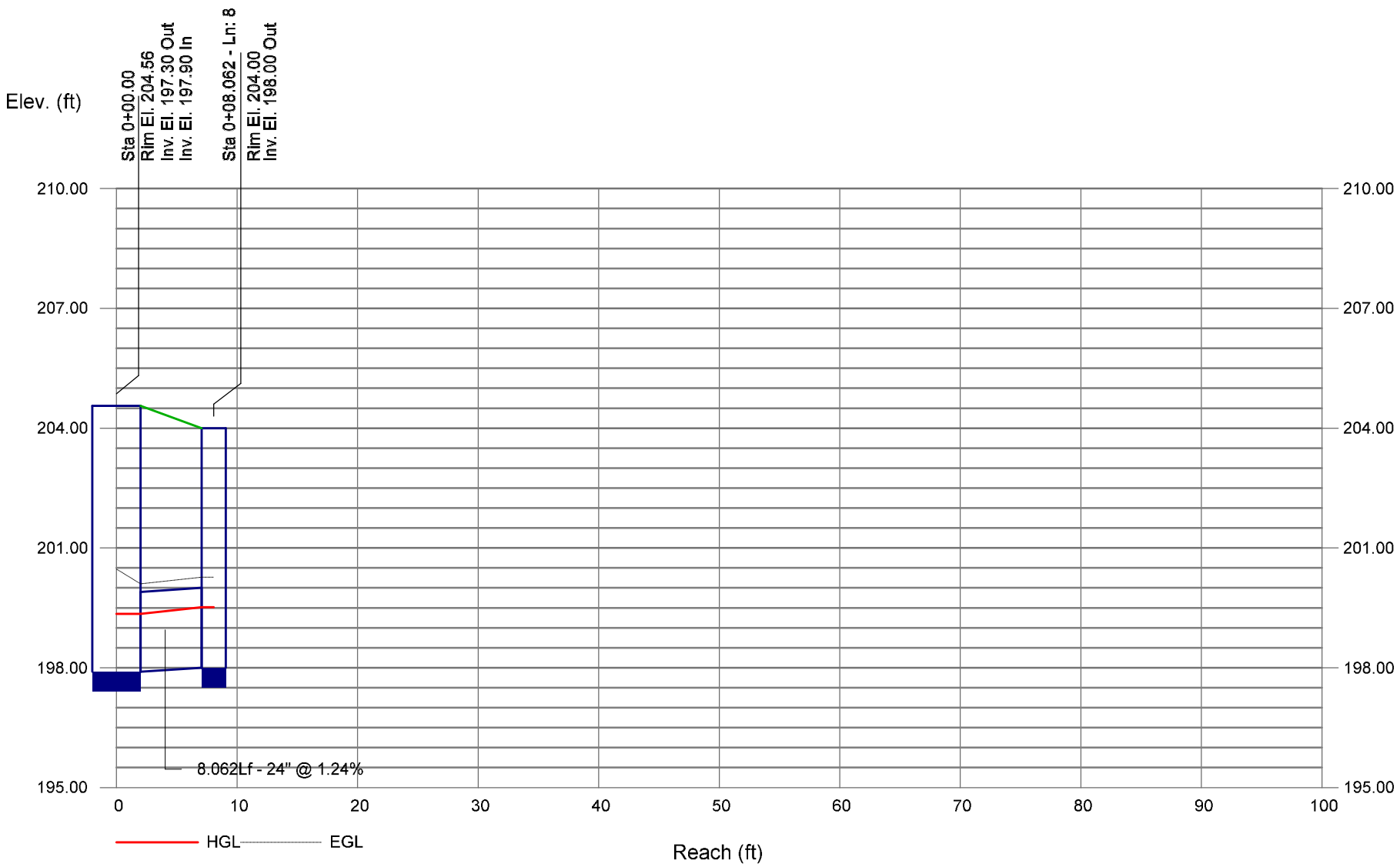
Storm Sewer Profile

Proj. file: 51-inflow.stm



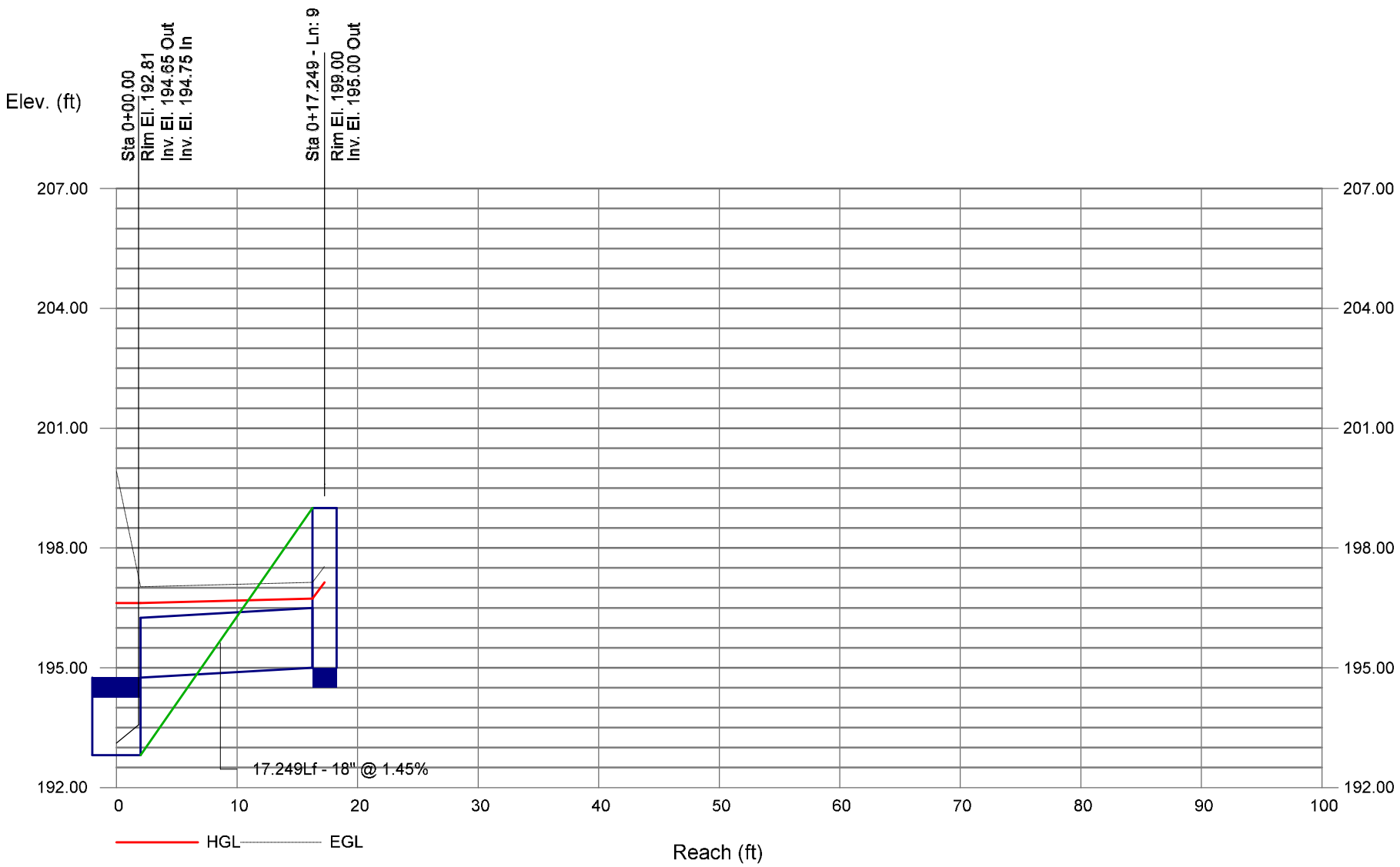
Storm Sewer Profile

Proj. file: 51-inflow.stm



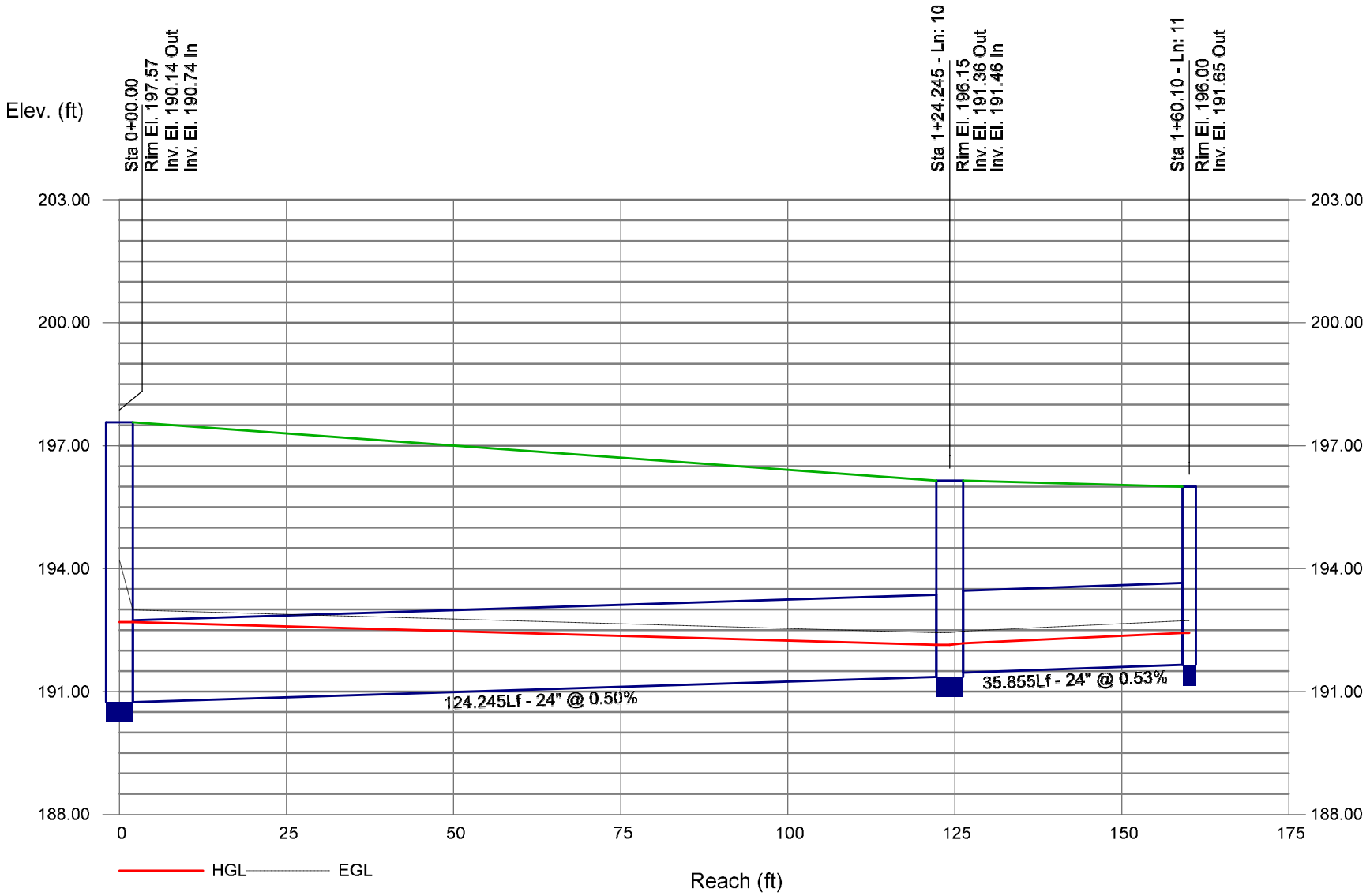
Storm Sewer Profile

Proj. file: 51-inflow.stm



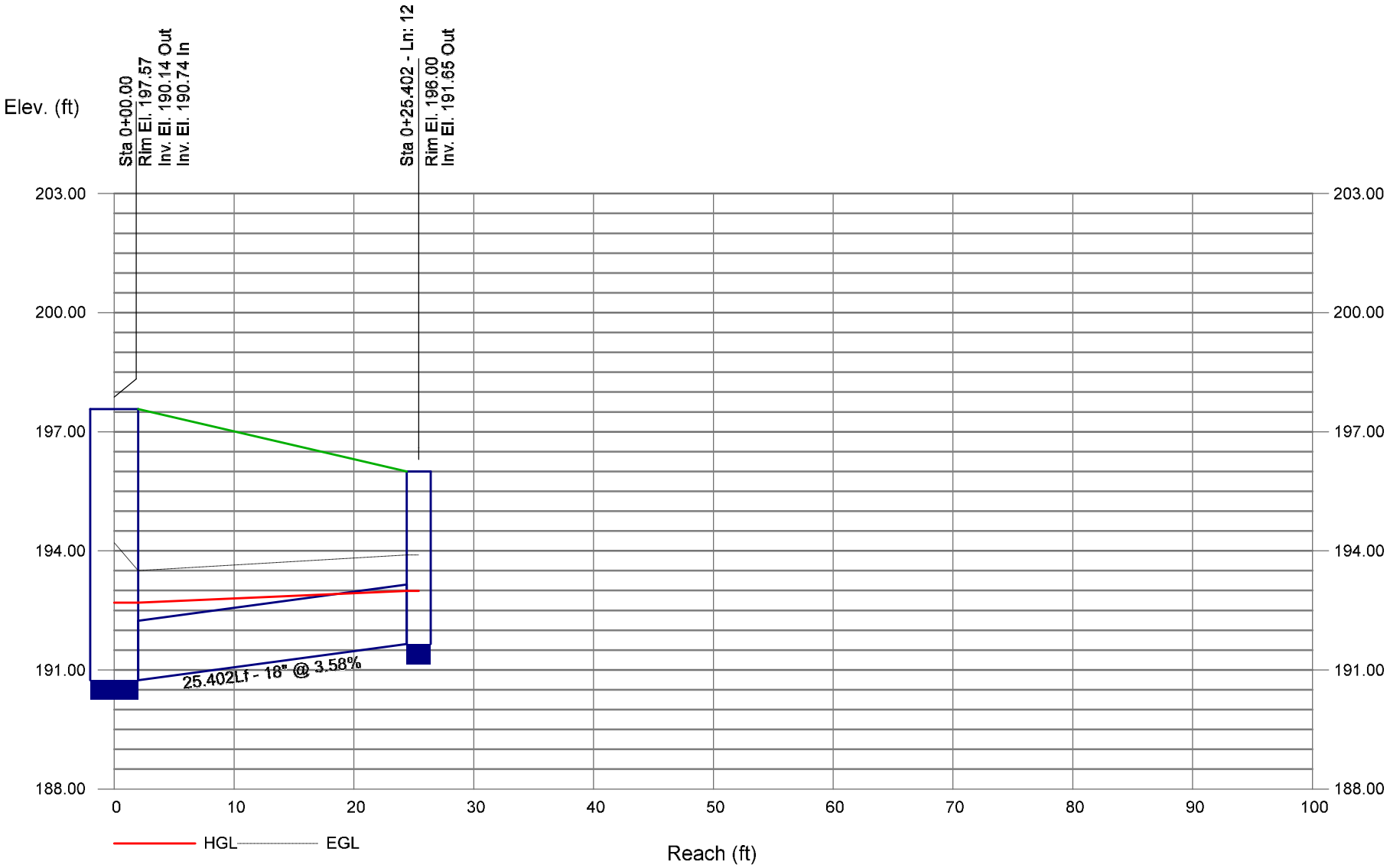
Storm Sewer Profile

Proj. file: 51-inflow.stm

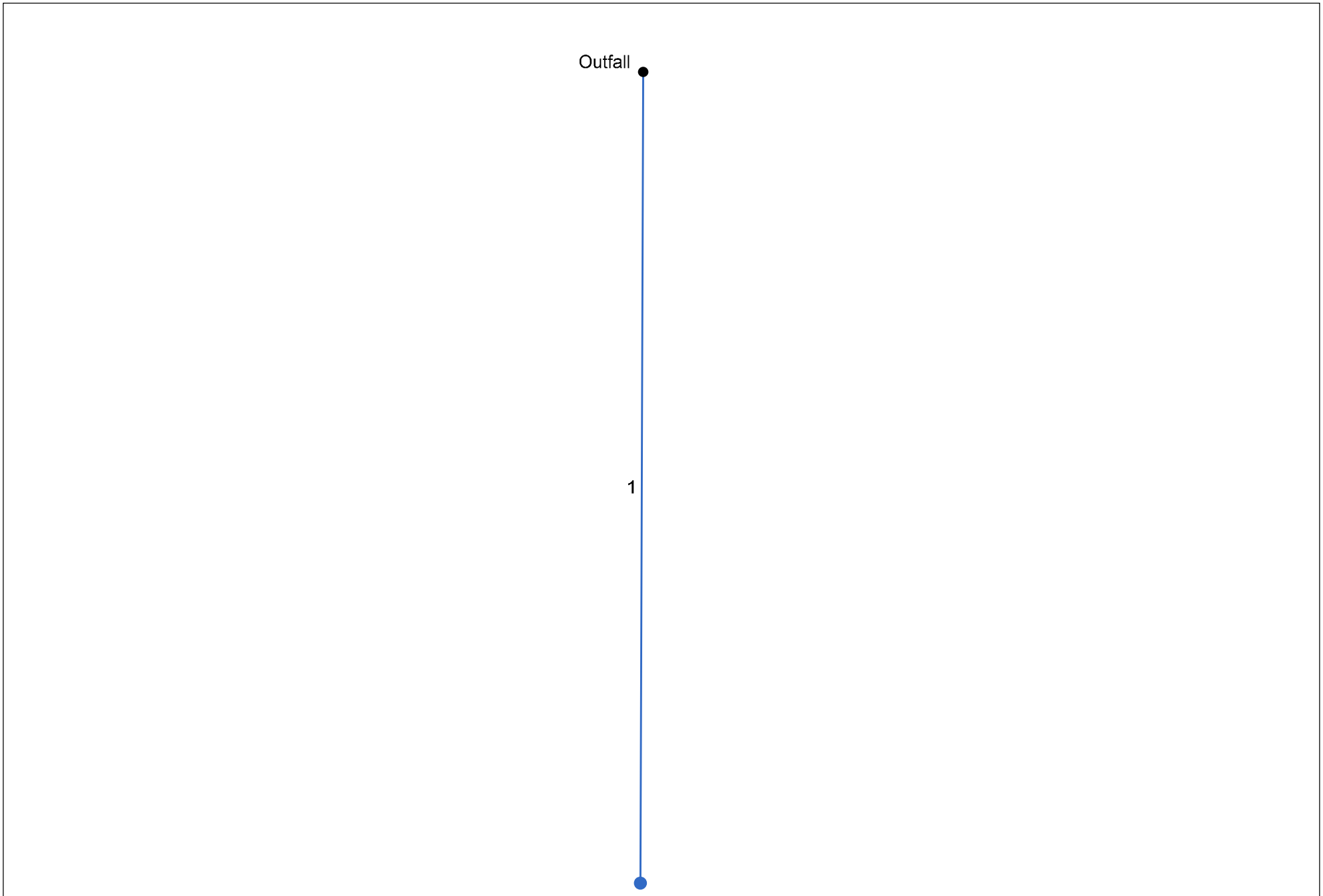


Storm Sewer Profile

Proj. file: 51-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Project File: 51-outflow.stm	Number of lines: 1	Date: 9/26/2025

Storm Sewer Tabulation

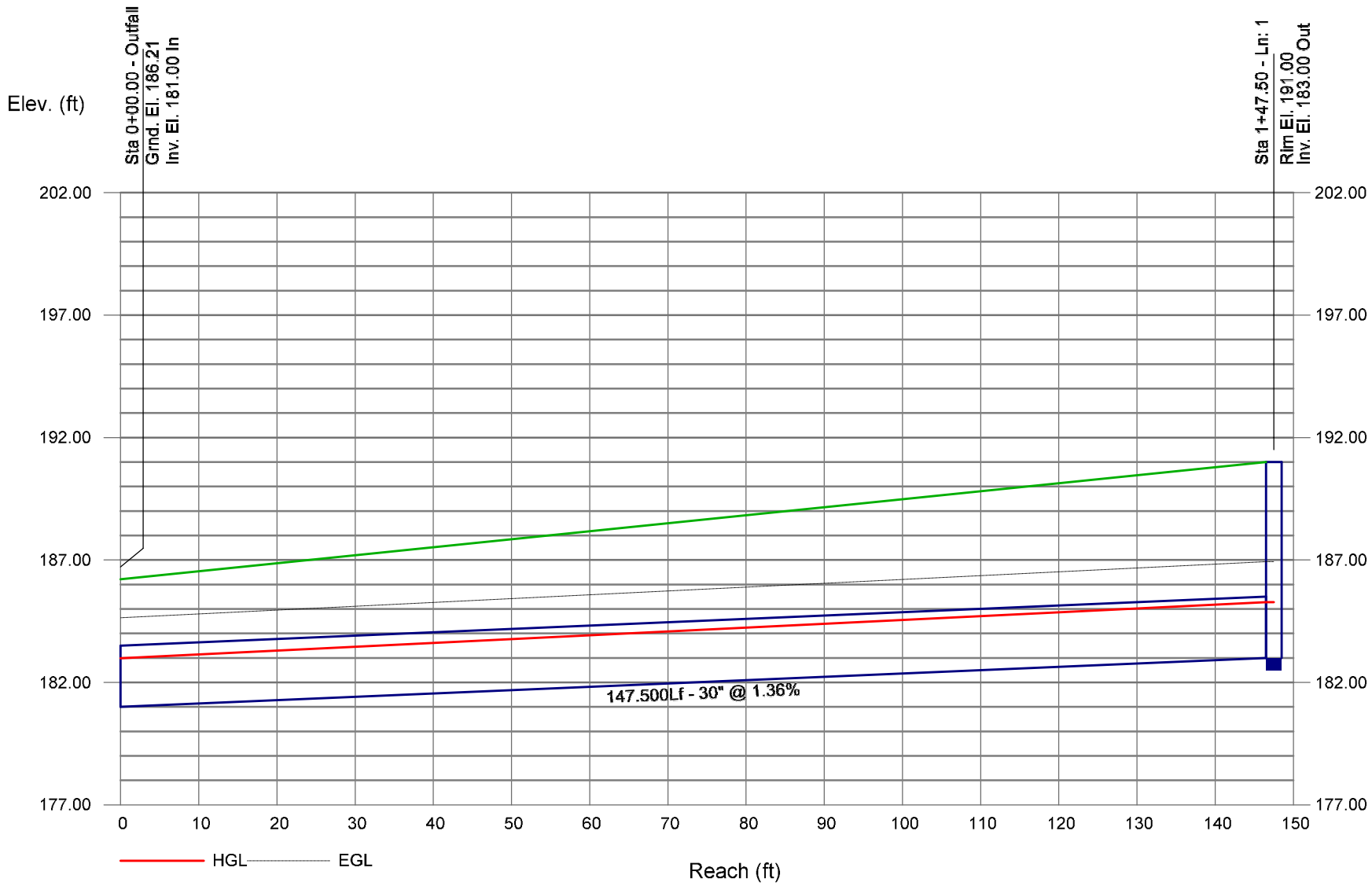
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	147.500	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	48.41	51.74	10.31	30	1.36	182.00	184.00	184.28	186.28	186.21	191.00	Pipe - (201)

Project File: 51-outflow.stm | Number of lines: 1 | Run Date: 9/26/2025

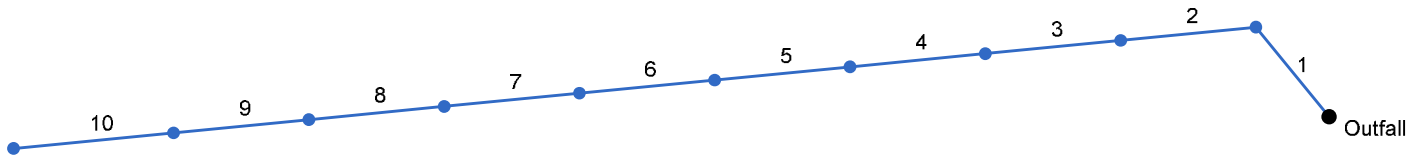
NOTES:Intensity = 127.16 / (Inlet time + 17.80) ^ 0.82; Return period =Yrs. 100 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 51-outflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Tabulation

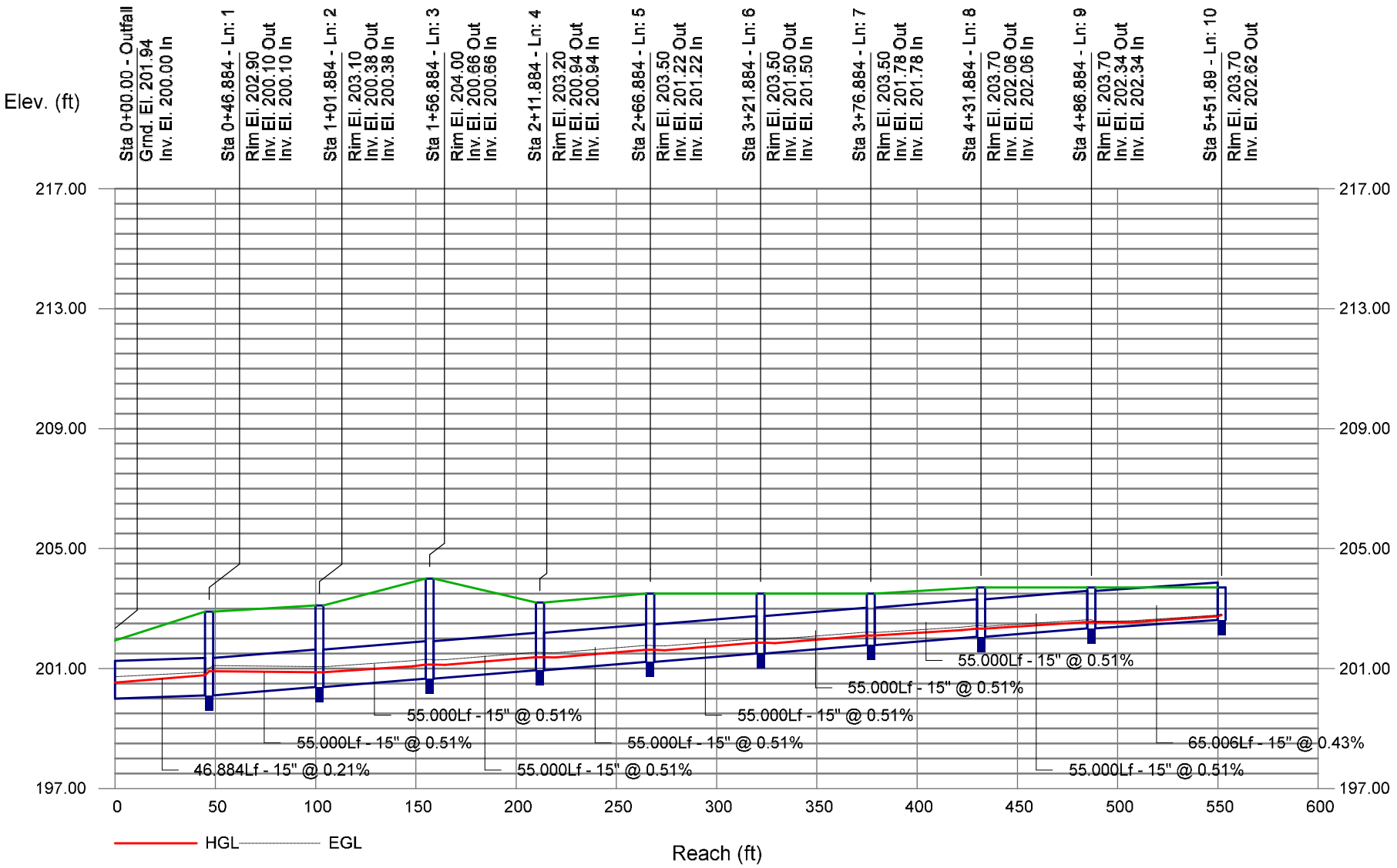
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	46.884	0.06	0.56	0.74	0.04	0.41	10.0	31.6	4.3	1.76	3.23	3.09	15	0.21	200.00	200.10	200.53	200.77	201.94	202.90	Pipe - (156)
2	1	55.000	0.06	0.50	0.74	0.04	0.37	10.0	31.2	4.3	1.59	4.99	2.68	15	0.51	200.10	200.38	200.91	200.88	202.90	203.10	Pipe - (155)
3	2	55.000	0.06	0.44	0.74	0.04	0.33	10.0	30.6	4.3	1.41	4.99	3.22	15	0.51	200.38	200.66	200.88	201.13	203.10	204.00	Pipe - (154)
4	3	55.000	0.06	0.38	0.74	0.04	0.28	10.0	30.0	4.4	1.23	4.99	3.07	15	0.51	200.66	200.94	201.13	201.38	204.00	203.20	Pipe - (153)
5	4	55.000	0.06	0.32	0.74	0.04	0.24	10.0	29.3	4.4	1.05	4.99	2.91	15	0.51	200.94	201.22	201.38	201.62	203.20	203.50	Pipe - (152)
6	5	55.000	0.06	0.26	0.74	0.04	0.19	10.0	28.4	4.5	0.87	4.99	2.72	15	0.51	201.22	201.50	201.62	201.86	203.50	203.50	Pipe - (151)
7	6	55.000	0.06	0.20	0.74	0.04	0.15	10.0	27.3	4.6	0.68	4.99	2.50	15	0.51	201.50	201.78	201.86	202.10	203.50	203.50	Pipe - (150)
8	7	55.000	0.06	0.14	0.74	0.04	0.10	10.0	25.7	4.7	0.49	4.99	2.22	15	0.51	201.78	202.06	202.10	202.33	203.50	203.70	Pipe - (149)
9	8	55.000	0.06	0.08	0.74	0.04	0.06	10.0	22.9	5.0	0.30	4.99	1.84	15	0.51	202.06	202.34	202.33	202.55	203.70	203.70	Pipe - (148)
10	9	65.006	0.02	0.02	0.74	0.01	0.01	10.0	10.0	6.9	0.10	4.59	1.18	15	0.43	202.34	202.62	202.55	202.75	203.70	203.70	Pipe - (147)

Project File: 53A-inflow.stm | Number of lines: 10 | Run Date: 9/26/2025

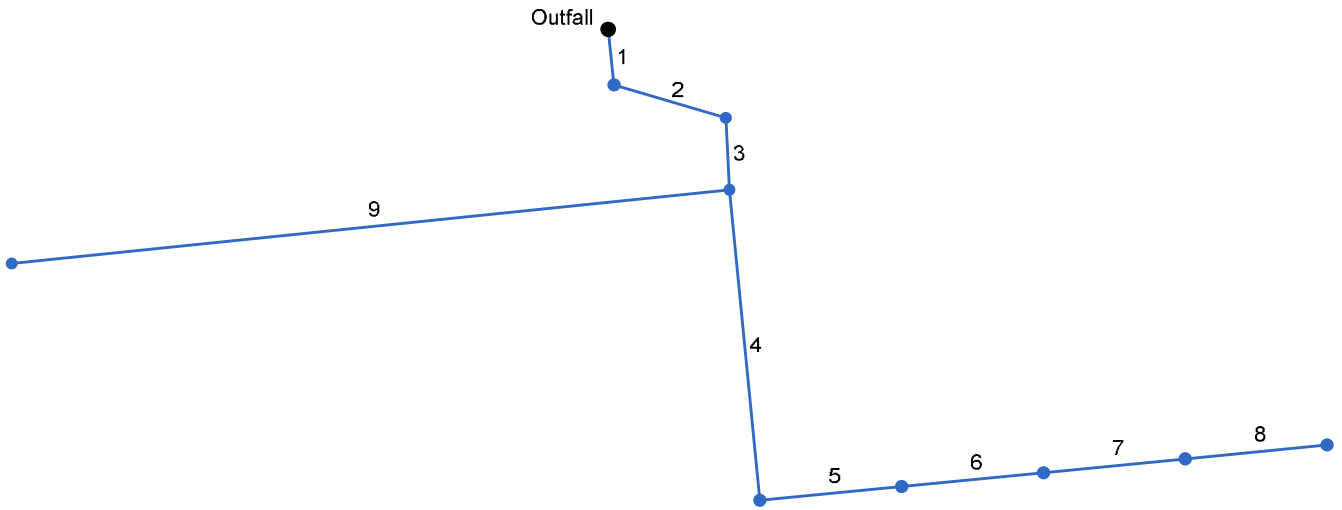
NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 53A-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Tabulation

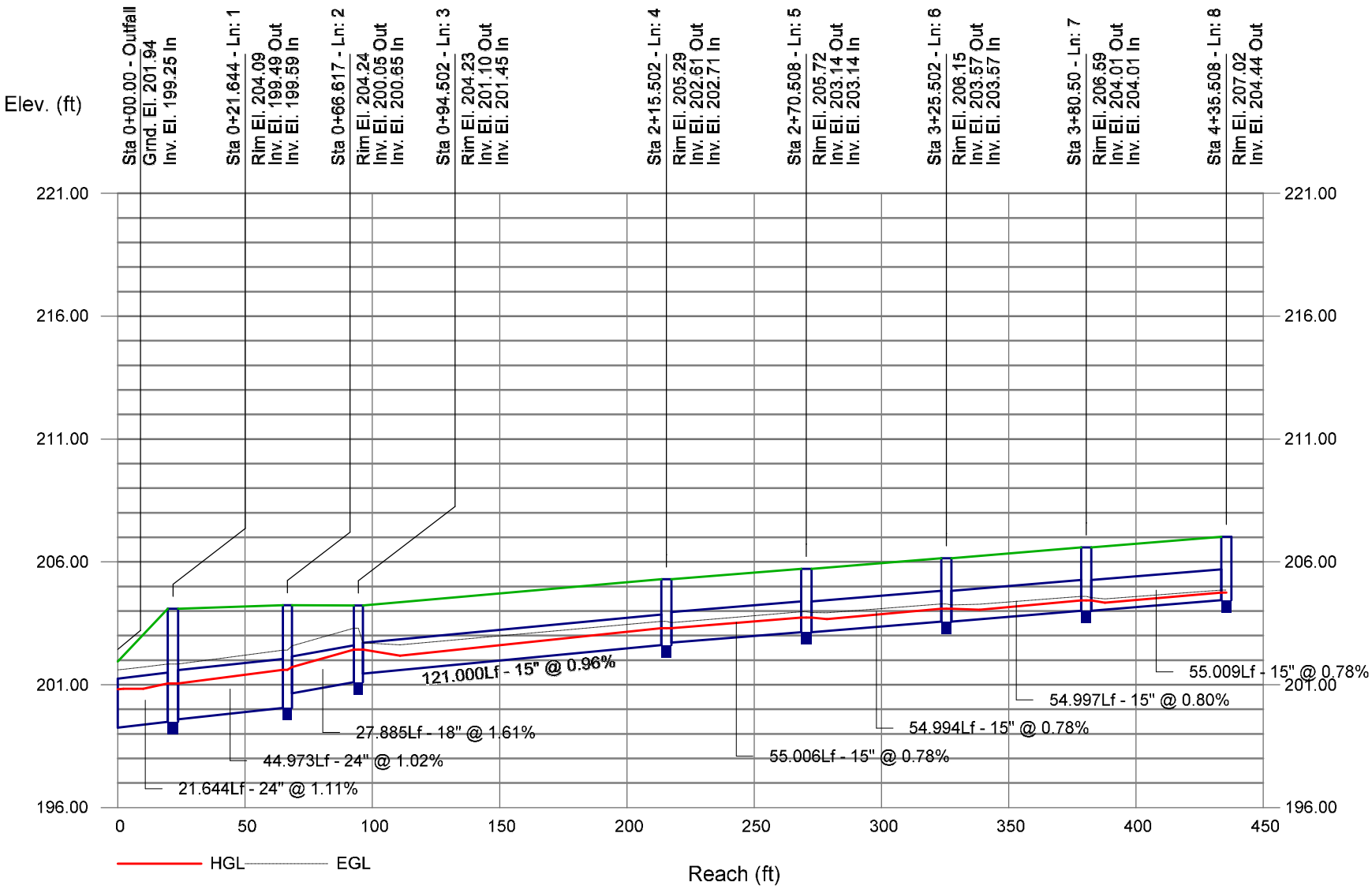
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	21.644	0.00	3.27	0.00	0.00	3.09	10.0	14.8	6.1	18.72	25.80	7.13	24	1.11	199.25	199.49	200.81	201.05	201.94	204.09	Pipe - (134) (1)
2	1	44.973	1.08	3.27	0.98	1.06	3.09	10.0	14.7	6.1	18.77	24.78	7.41	24	1.02	199.59	200.05	201.05	201.61	204.09	204.24	Pipe - (134)
3	2	27.885	0.83	2.19	0.98	0.81	2.03	10.0	14.6	6.1	12.36	14.45	8.33	18	1.61	200.65	201.10	201.72	202.43	204.24	204.23	Pipe - (133)
4	3	121.000	0.12	0.60	0.98	0.12	0.47	10.0	13.8	6.2	2.94	6.85	3.55	15	0.96	201.45	202.61	202.43	203.30	204.23	205.29	Pipe - (141)
5	4	55.006	0.12	0.48	0.74	0.09	0.36	10.0	13.4	6.3	2.24	6.19	3.90	15	0.78	202.71	203.14	203.30	203.74	205.29	205.72	Pipe - (140)
6	5	54.994	0.12	0.36	0.74	0.09	0.27	10.0	12.7	6.4	1.71	6.19	3.25	15	0.78	203.14	203.57	203.74	204.09	205.72	206.15	Pipe - (139)
7	6	54.997	0.12	0.24	0.74	0.09	0.18	10.0	11.8	6.6	1.17	6.26	2.80	15	0.80	203.57	204.01	204.09	204.44	206.15	206.59	Pipe - (138)
8	7	55.009	0.12	0.12	0.74	0.09	0.09	10.0	10.0	6.9	0.62	6.19	2.16	15	0.78	204.01	204.44	204.44	204.75	206.59	207.02	Pipe - (137)
9	3	278.610	0.76	0.76	0.98	0.74	0.74	10.0	10.0	6.9	5.17	6.27	5.18	15	0.80	201.45	203.69	202.43	204.61	204.23	206.48	Pipe - (146)

Project File: 53B-inflow.stm | Number of lines: 9 | Run Date: 9/26/2025

NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

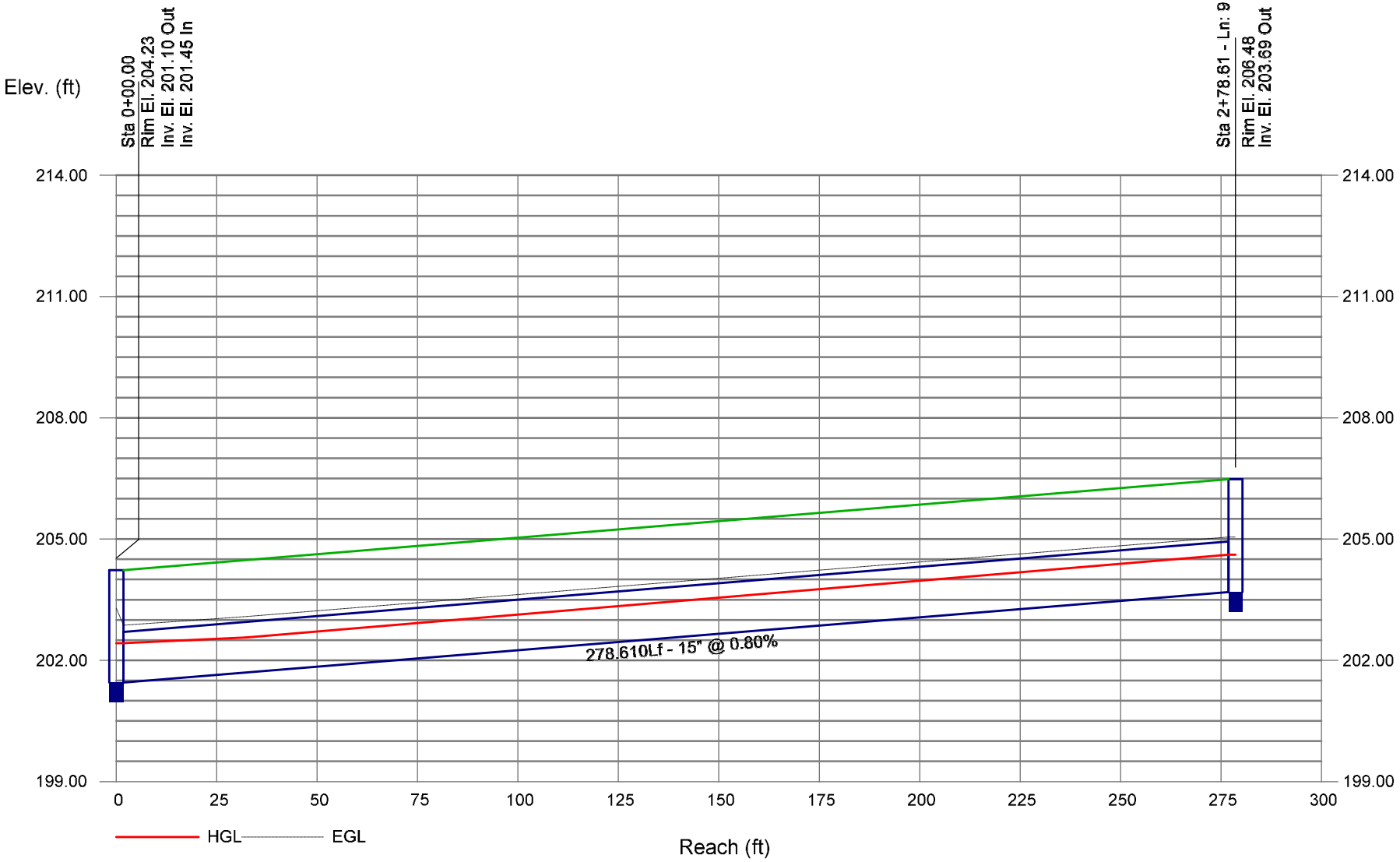
Storm Sewer Profile

Proj. file: 53B-inflow.stm

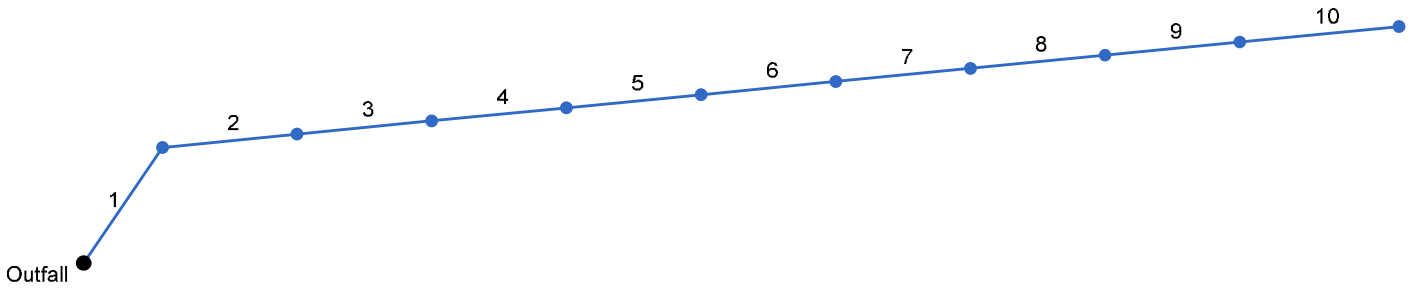


Storm Sewer Profile

Proj. file: 53B-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Project File: 54A-inflow.stm	Number of lines: 10	Date: 9/26/2025

Storm Sewer Tabulation

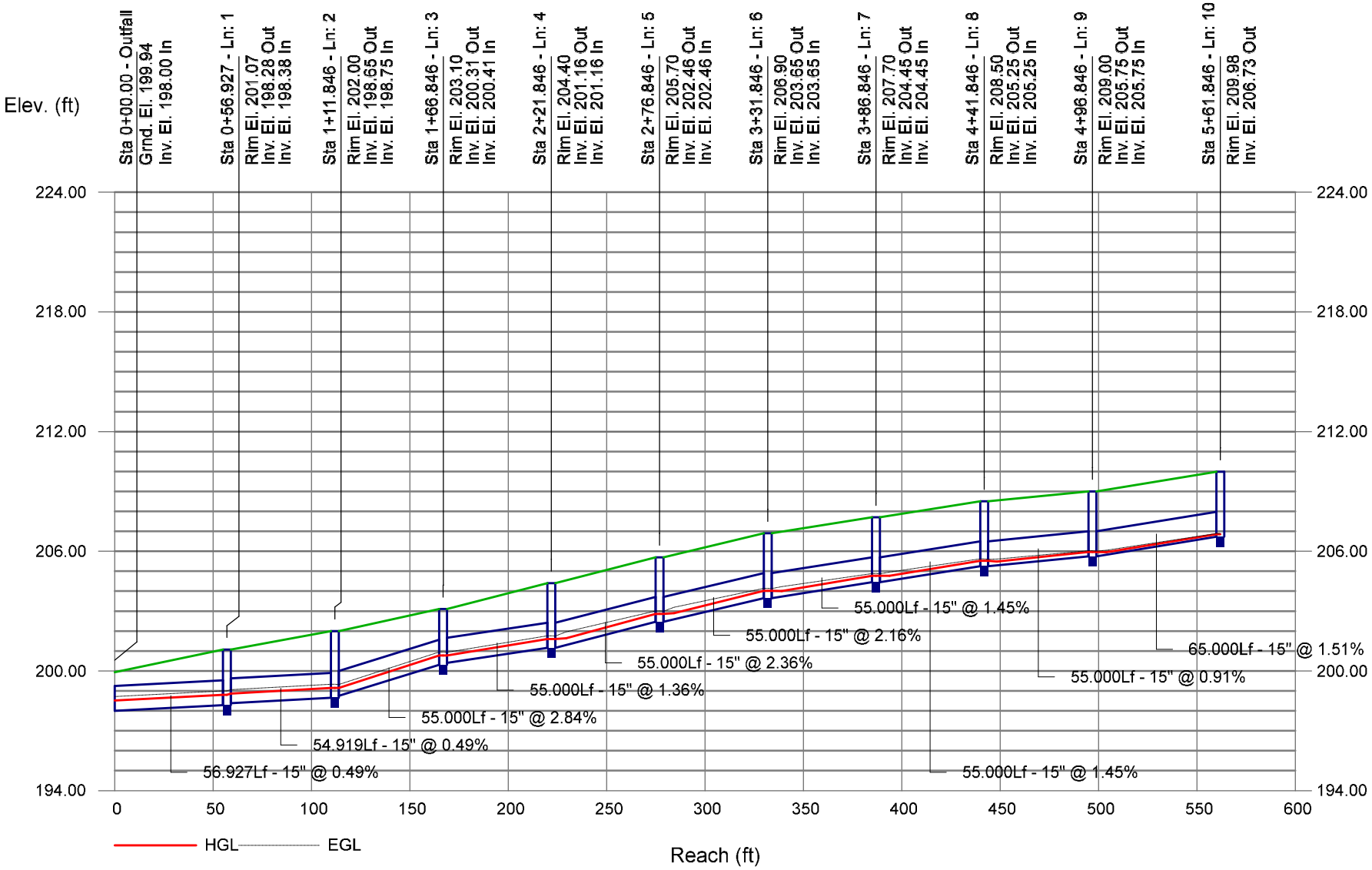
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	56.927	0.05	0.55	0.74	0.04	0.41	10.0	31.6	4.3	1.73	4.91	3.57	15	0.49	198.00	198.28	198.52	198.80	199.94	201.07	Pipe - (166)
2	1	54.919	0.06	0.50	0.74	0.04	0.37	10.0	31.2	4.3	1.59	4.90	3.52	15	0.49	198.38	198.65	198.87	199.15	201.07	202.00	Pipe - (165)
3	2	55.000	0.06	0.44	0.74	0.04	0.33	10.0	30.6	4.3	1.41	11.78	3.76	15	2.84	198.75	200.31	199.15	200.78	202.00	203.10	Pipe - (164)
4	3	55.000	0.06	0.38	0.74	0.04	0.28	10.0	30.0	4.4	1.23	8.17	3.64	15	1.36	200.41	201.16	200.78	201.60	203.10	204.40	Pipe - (163)
5	4	55.000	0.06	0.32	0.74	0.04	0.24	10.0	29.3	4.4	1.05	10.76	2.91	15	2.36	201.16	202.46	201.60	202.86	204.40	205.70	Pipe - (162)
6	5	55.000	0.06	0.26	0.74	0.04	0.19	10.0	28.4	4.5	0.87	10.29	2.72	15	2.16	202.46	203.65	202.86	204.01	205.70	206.90	Pipe - (161)
7	6	55.000	0.06	0.20	0.74	0.04	0.15	10.0	27.3	4.6	0.68	8.44	2.50	15	1.45	203.65	204.45	204.01	204.77	206.90	207.70	Pipe - (160)
8	7	55.000	0.06	0.14	0.74	0.04	0.10	10.0	25.7	4.7	0.49	8.44	2.22	15	1.45	204.45	205.25	204.77	205.52	207.70	208.50	Pipe - (159)
9	8	55.000	0.06	0.08	0.74	0.04	0.06	10.0	22.9	5.0	0.30	6.67	1.84	15	0.91	205.25	205.75	205.52	205.96	208.50	209.00	Pipe - (158)
10	9	65.000	0.02	0.02	0.74	0.01	0.01	10.0	10.0	6.9	0.10	8.59	1.20	15	1.51	205.75	206.73	205.96	206.85	209.00	209.98	Pipe - (157)

Project File: 54A-inflow.stm | Number of lines: 10 | Run Date: 9/26/2025

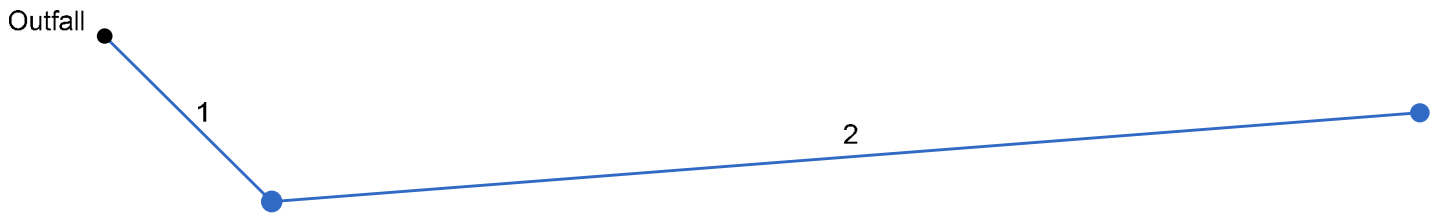
NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 54A-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Project File: 54B-inflow.stm	Number of lines: 2	Date: 9/26/2025

Storm Sewer Tabulation

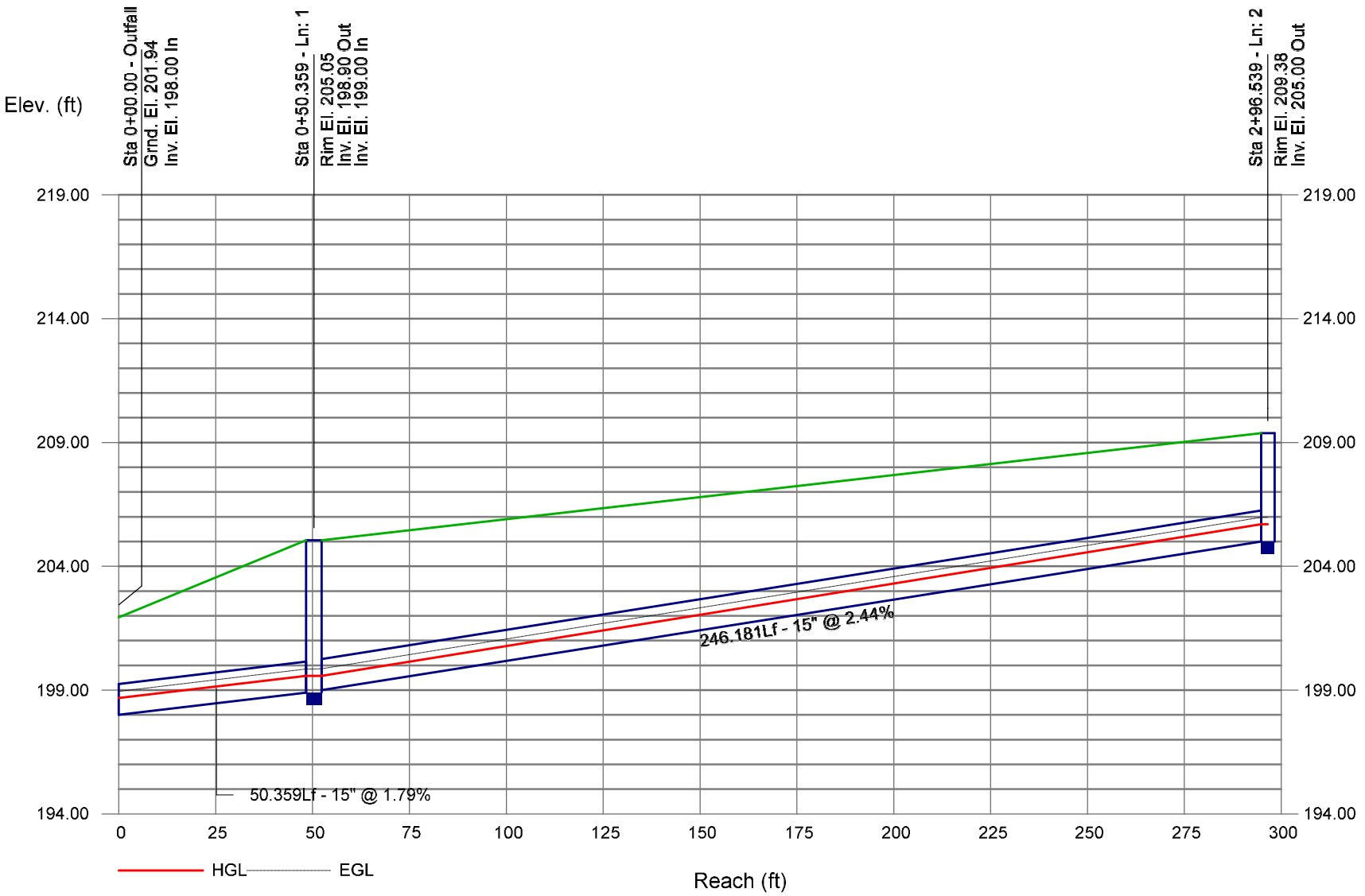
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	50.359	0.00	0.44	0.00	0.00	0.43	0.0	11.7	6.6	2.85	9.35	4.19	15	1.79	198.00	198.90	198.68	199.58	201.94	205.05	Proposed Storm-P
2	1	246.181	0.44	0.44	0.98	0.43	0.43	10.0	10.0	6.9	2.99	10.92	4.84	15	2.44	199.00	205.00	199.58	205.70	205.05	209.38	Proposed Storm-P

Project File: 54B-inflow.stm | Number of lines: 2 | Run Date: 9/26/2025

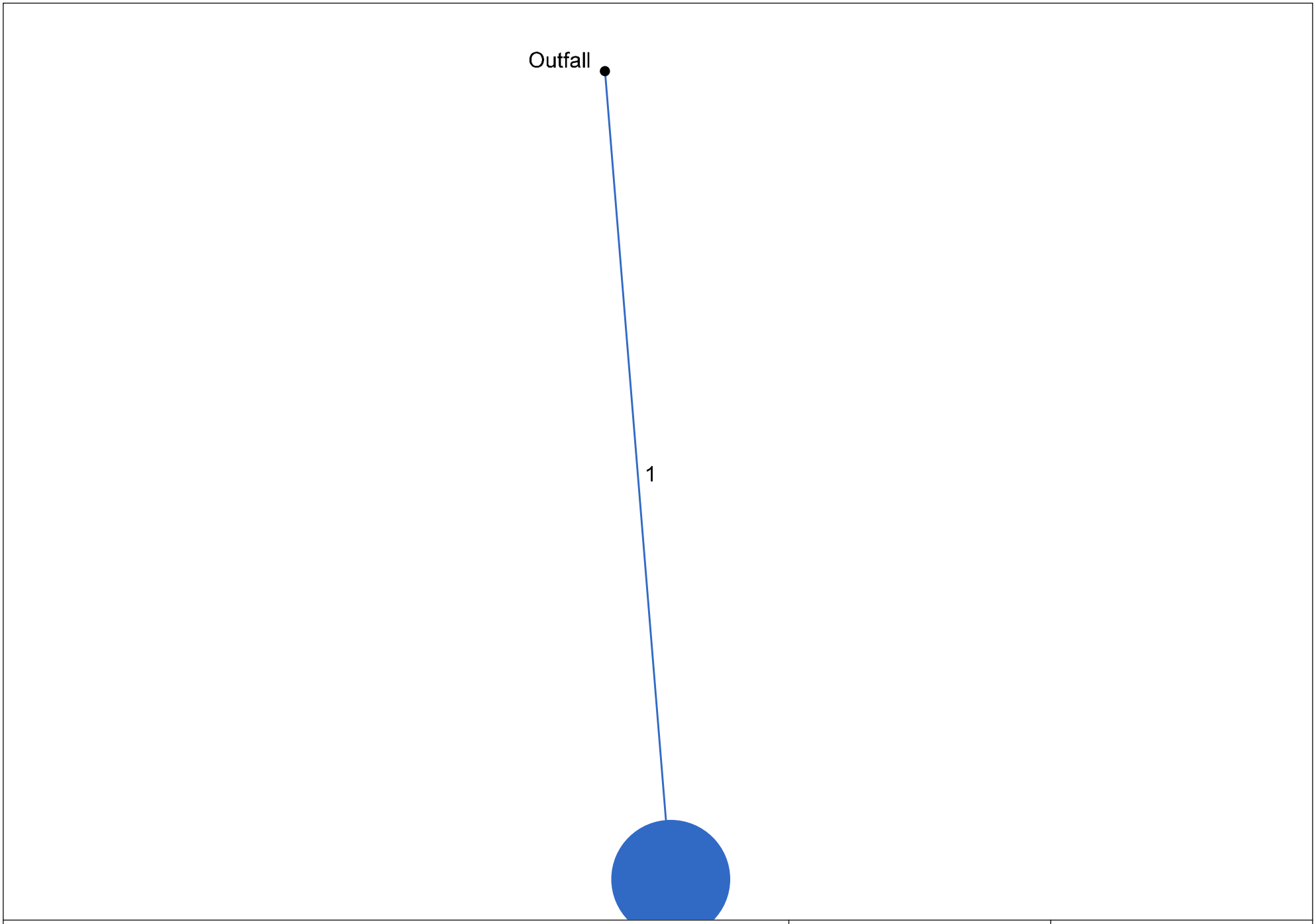
NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 54B-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Project File: 55A-inflow.stm	Number of lines: 1	Date: 9/26/2025

Storm Sewer Tabulation

Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	24.349	0.04	0.04	0.98	0.04	0.04	10.0	10.0	6.9	0.27	10.02	2.12	15	2.05	192.00	192.50	192.20	192.70	197.24	196.58	Pipe - (186)

Project File: 55A-inflow.stm

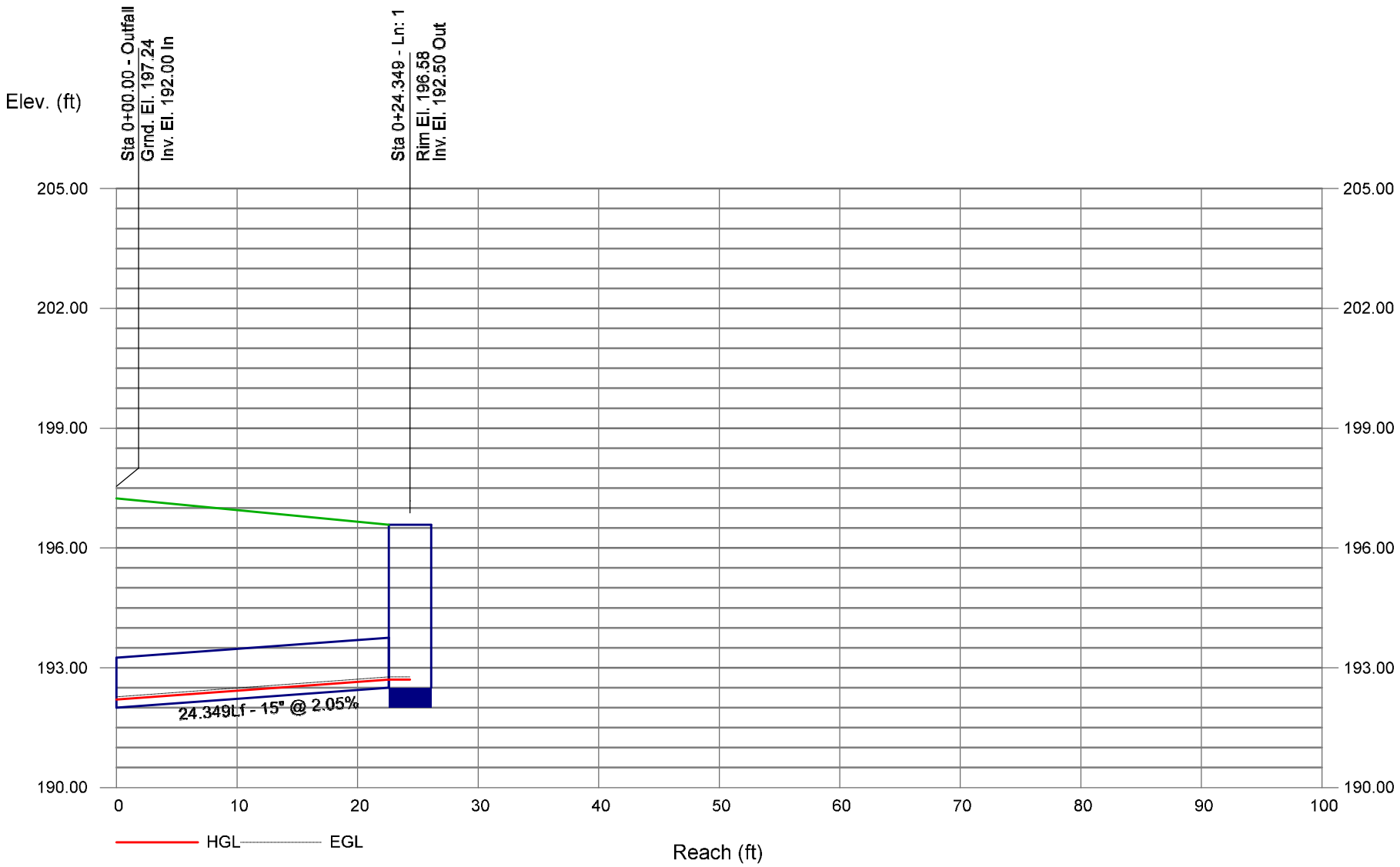
Number of lines: 1

Run Date: 9/26/2025

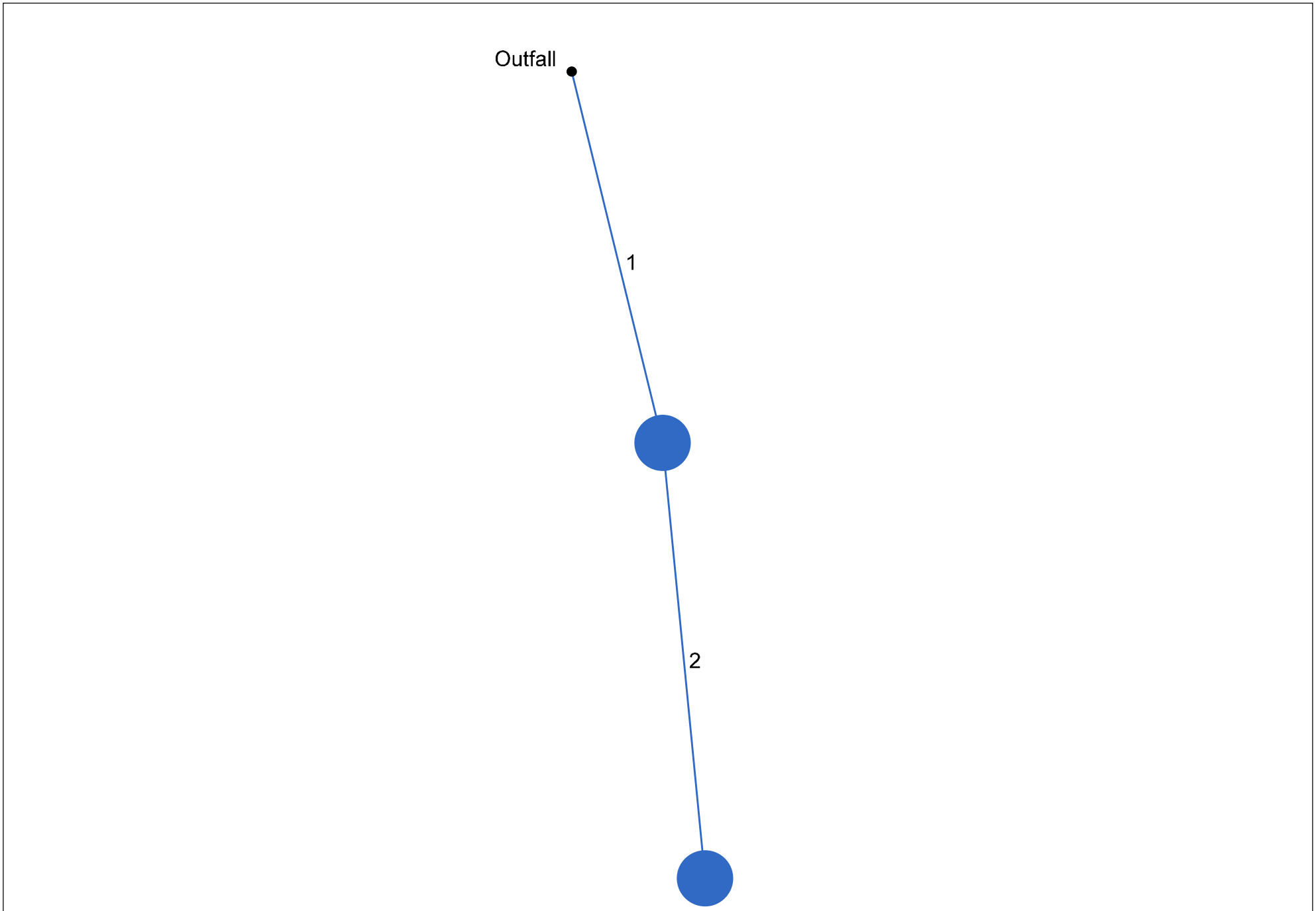
NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 55A-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Project File: 55B-inflow.stm	Number of lines: 2	Date: 9/26/2025

Storm Sewer Tabulation

Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	24.702	0.48	1.30	0.98	0.47	1.27	10.0	10.1	6.9	8.81	11.89	6.06	18	1.09	191.75	192.02	192.90	193.17	193.94	195.61	Pipe - (182)
2	1	28.157	0.82	0.82	0.98	0.80	0.80	10.0	10.0	6.9	5.58	8.02	4.47	18	0.50	192.12	192.26	193.17	193.21	195.61	195.44	Pipe - (181)

Project File: 55B-inflow.stm

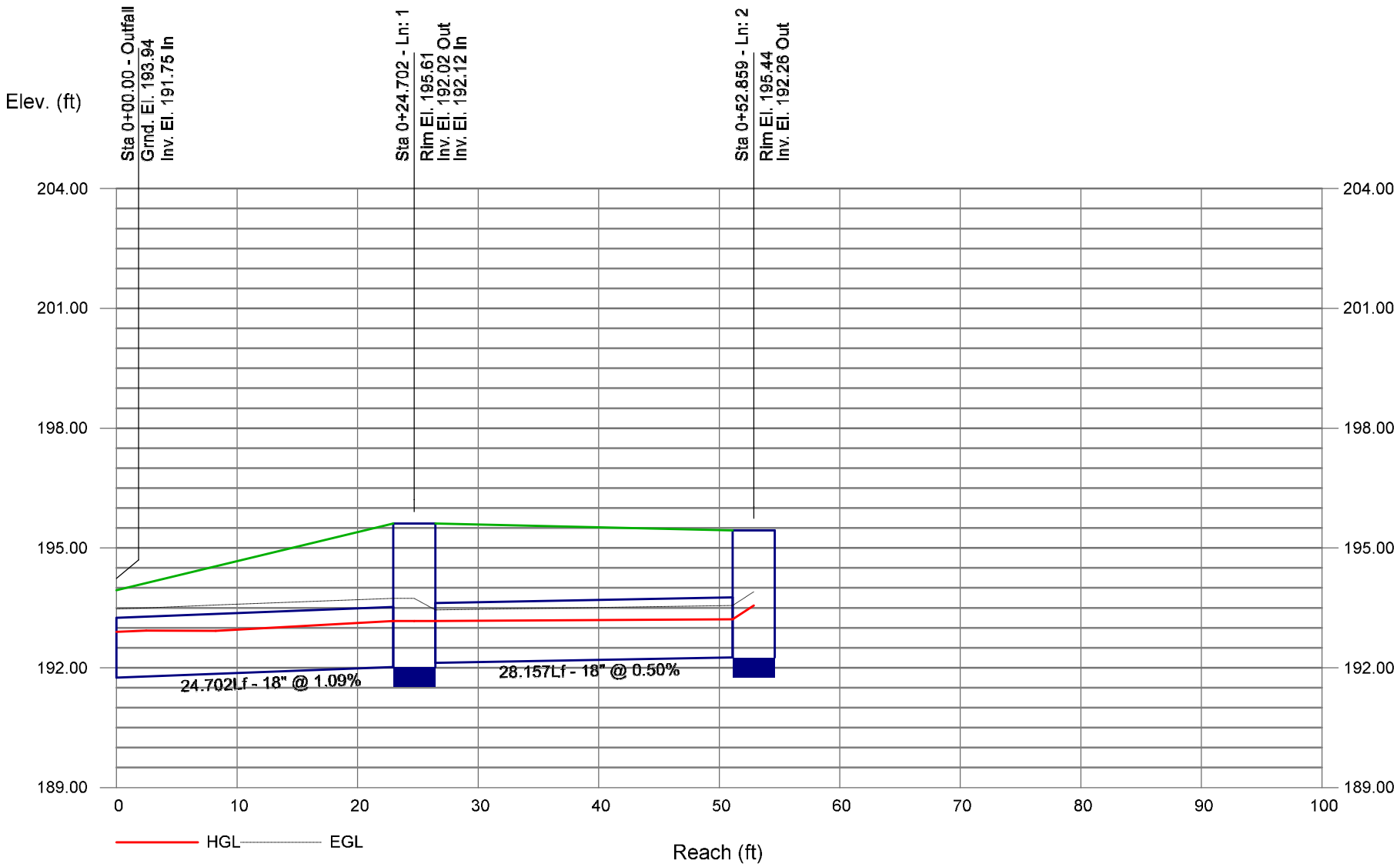
Number of lines: 2

Run Date: 9/26/2025

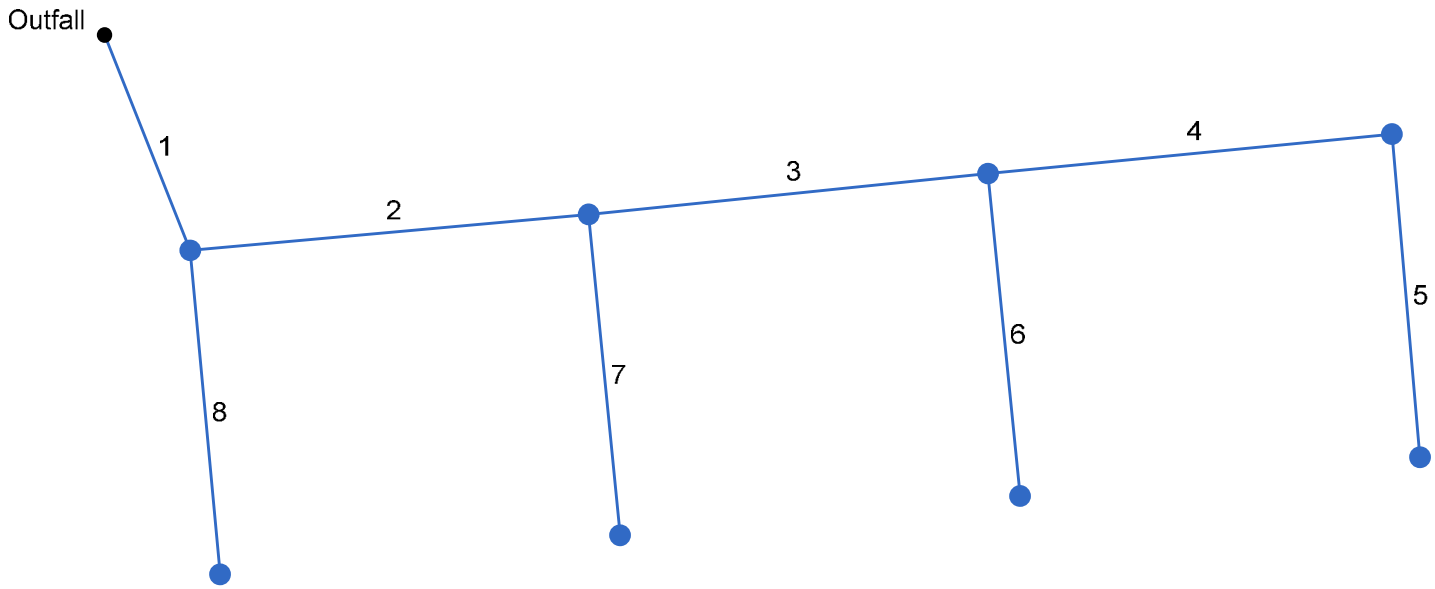
NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 55B-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Tabulation

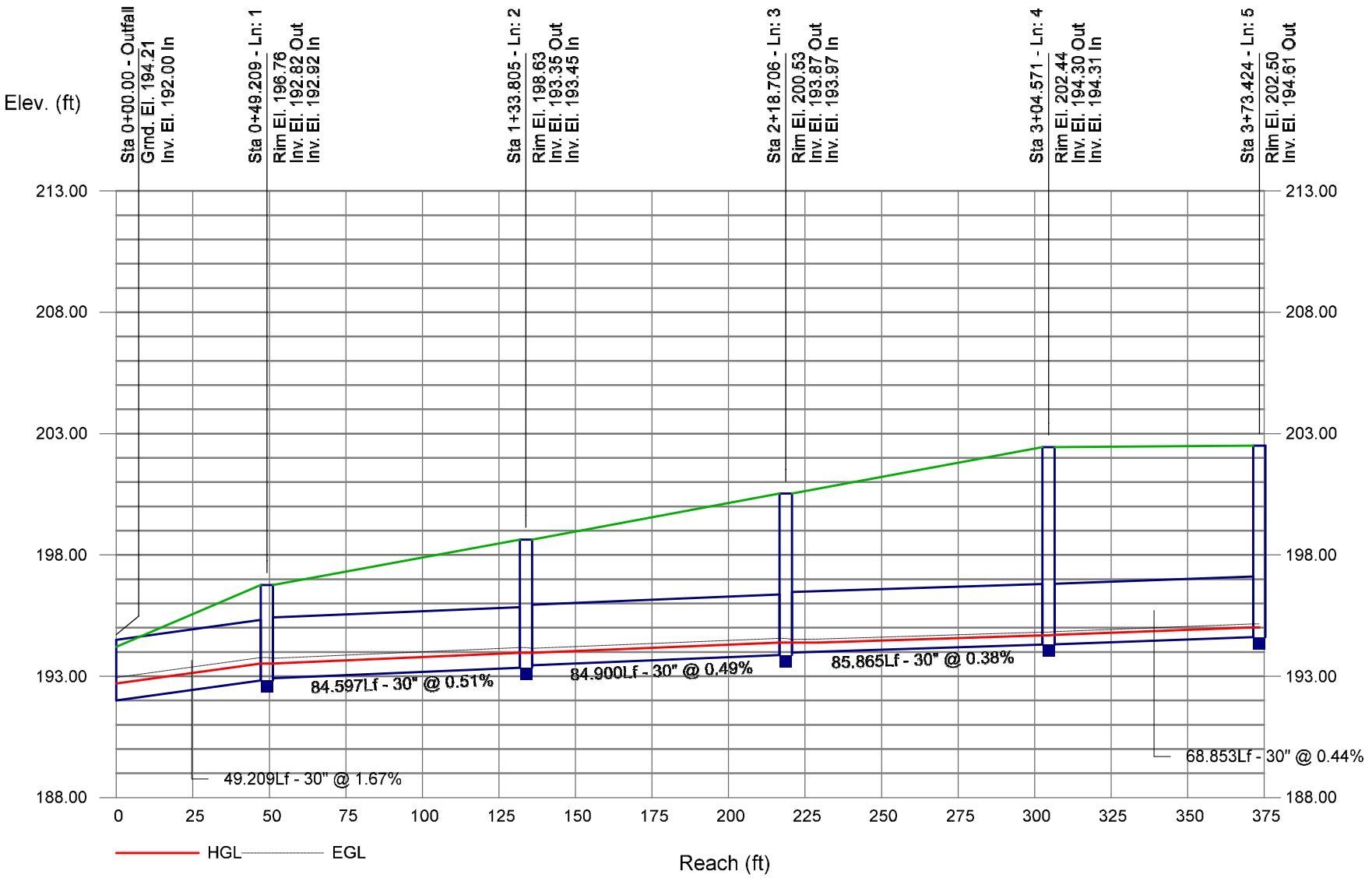
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	49.209	0.00	1.20	0.00	0.00	0.89	0.0	22.1	5.1	4.52	57.35	4.02	30	1.67	192.00	192.82	192.70	193.52	194.21	196.76	Pipe - (180)
2	1	84.597	0.00	0.90	0.00	0.00	0.67	0.0	20.6	5.3	3.51	31.68	3.81	30	0.51	192.92	193.35	193.52	193.96	196.76	198.63	Pipe - (179)
3	2	84.900	0.00	0.60	0.00	0.00	0.44	0.0	18.3	5.6	2.47	31.25	3.40	30	0.49	193.45	193.87	193.96	194.38	198.63	200.53	Pipe - (178)
4	3	85.865	0.00	0.30	0.00	0.00	0.22	0.0	13.7	6.2	1.39	27.54	2.76	30	0.38	193.97	194.30	194.38	194.68	200.53	202.44	Pipe - (177)
5	4	68.853	0.30	0.30	0.74	0.22	0.22	10.0	10.0	6.9	1.54	29.33	3.08	30	0.44	194.31	194.61	194.70	195.01	202.44	202.50	Pipe - (183)
6	3	68.833	0.30	0.30	0.74	0.22	0.22	10.0	10.0	6.9	1.54	29.33	2.95	30	0.44	193.97	194.27	194.38	194.67	200.53	200.60	Pipe - (184)
7	2	68.451	0.30	0.30	0.74	0.22	0.22	10.0	10.0	6.9	1.54	29.41	2.56	30	0.44	193.45	193.75	193.96	194.15	198.63	198.71	Pipe - (491)
8	1	69.073	0.30	0.30	0.74	0.22	0.22	10.0	10.0	6.9	1.54	29.28	2.35	30	0.43	192.92	193.22	193.52	193.62	196.76	196.81	Pipe - (185)

Project File: 56-inflow.stm | Number of lines: 8 | Run Date: 9/26/2025

NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

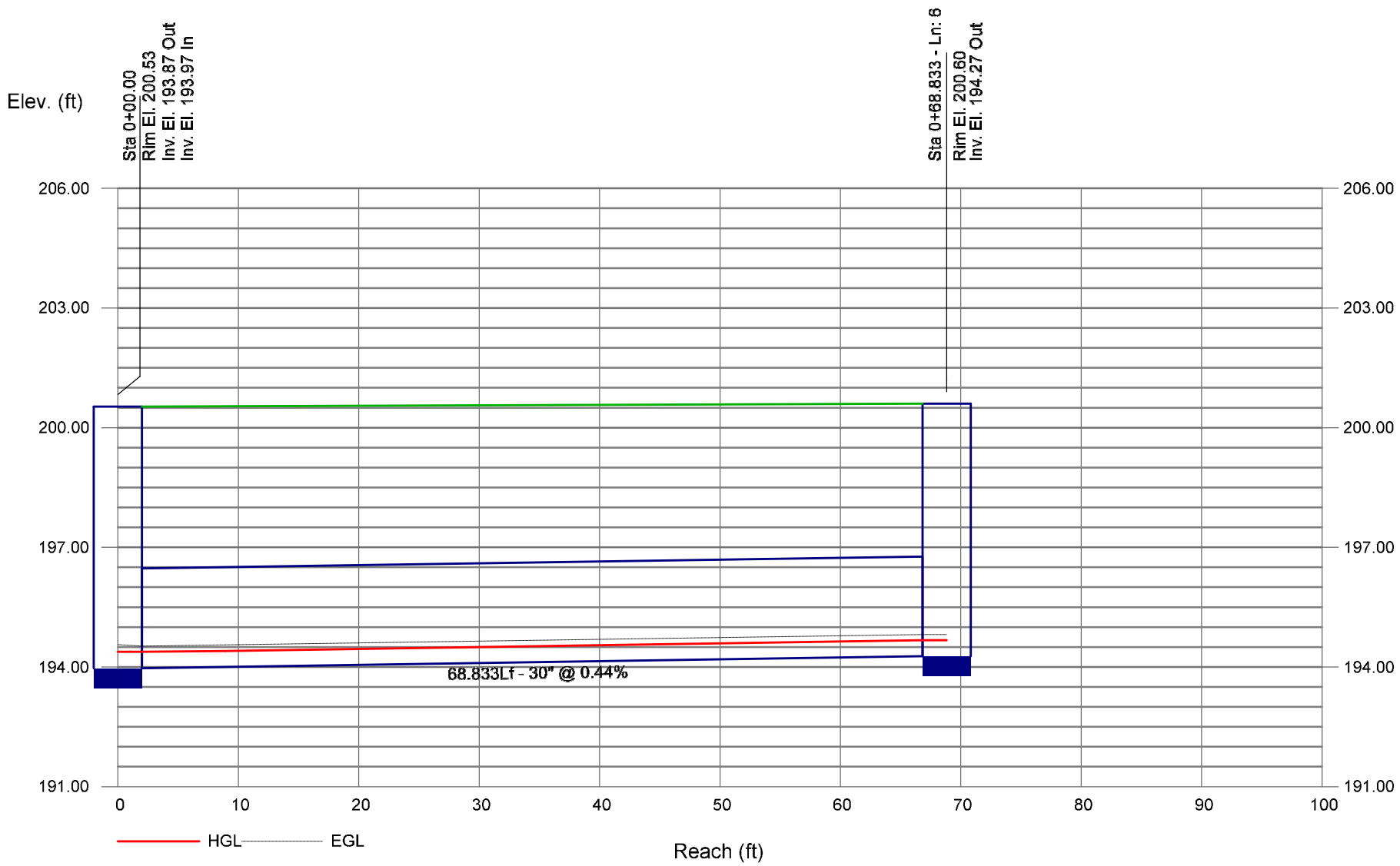
Storm Sewer Profile

Proj. file: 56-inflow.stm



Storm Sewer Profile

Proj. file: 56-inflow.stm



Storm Sewer Profile

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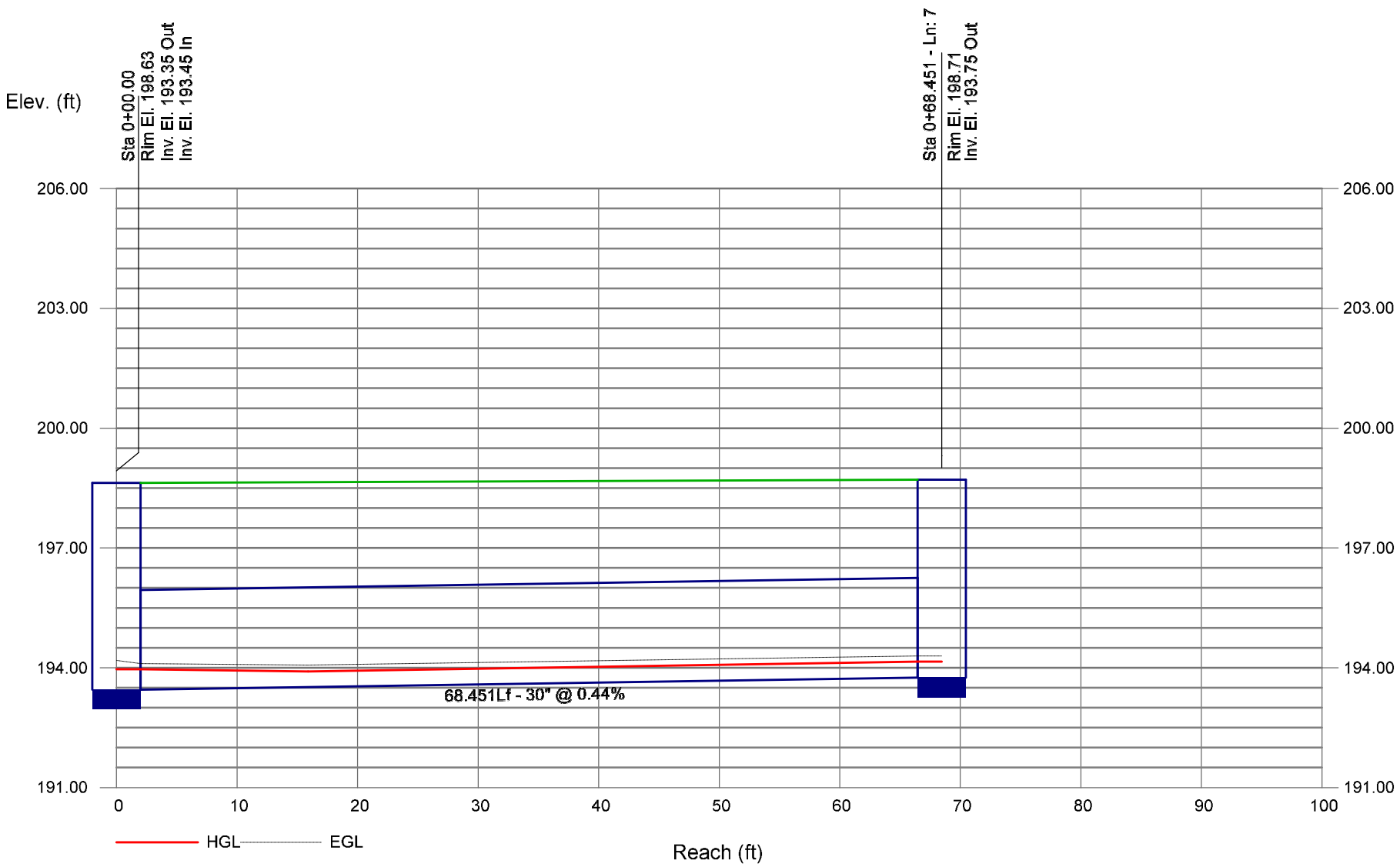

Storm Sewer Profile

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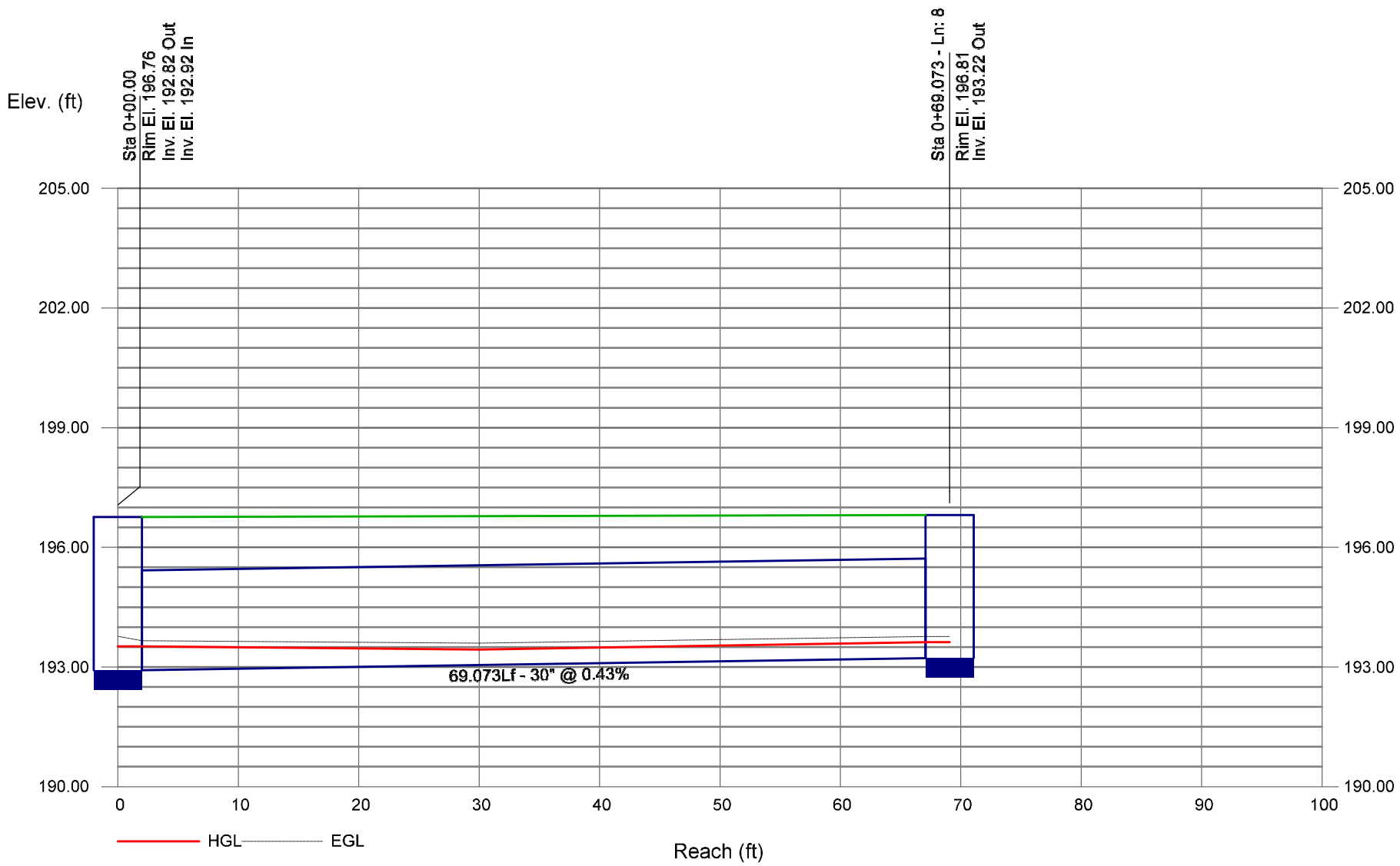
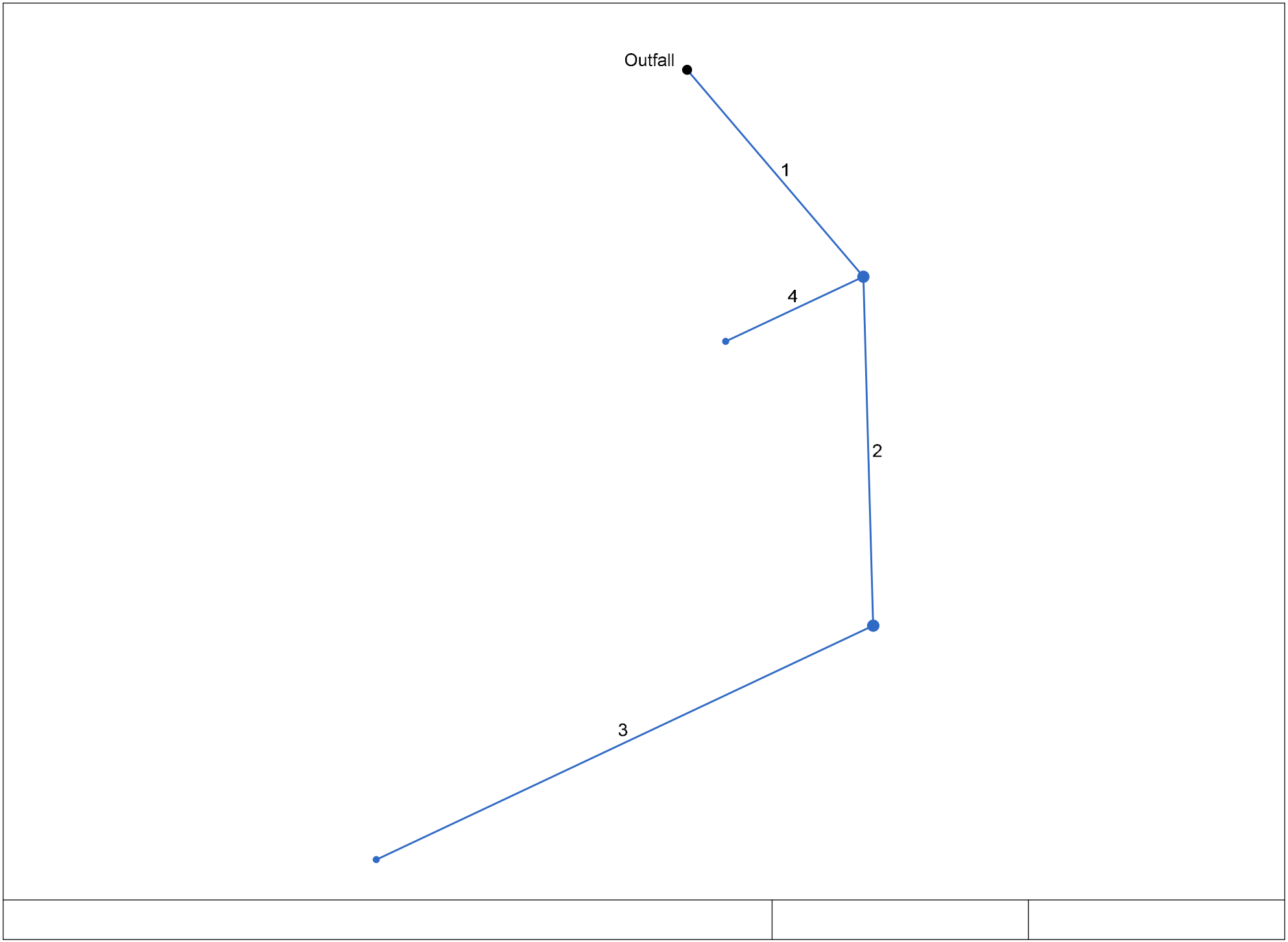


Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Storm Sewer Tabulation

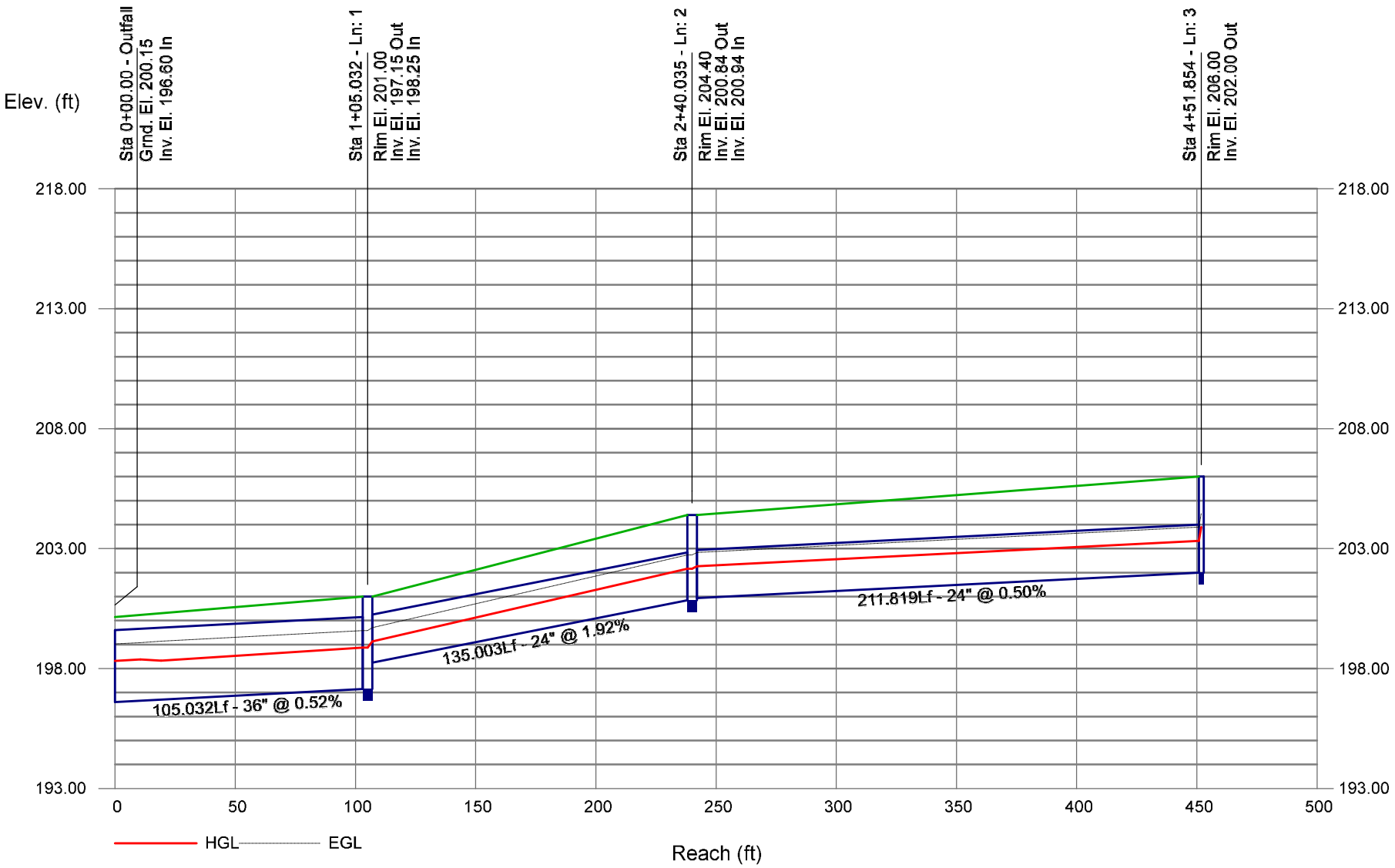
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	105.032	0.00	0.00	0.00	0.00	0.00	0.0	1.4	0.0	28.26	52.28	6.75	36	0.52	196.60	197.15	198.32	198.87	200.15	201.00	Pipe - (171)
2	1	135.003	0.00	0.00	0.00	0.00	0.00	0.0	0.8	0.0	13.42	33.94	8.14	24	1.92	198.25	200.84	199.12	202.16	201.00	204.40	Pipe - (170)
3	2	211.819	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	13.42	17.33	6.09	24	0.50	200.94	202.00	202.26	203.32	204.40	206.00	Pipe - (169)
4	1	58.643	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	14.84	27.71	7.67	24	1.28	198.25	199.00	199.29	200.39	201.00	203.00	Pipe - (172)

Project File: 57-58-outflow.stm | Number of lines: 4 | Run Date: 9/26/2025

NOTES:Intensity = 127.16 / (Inlet time + 17.80) ^ 0.82; Return period =Yrs. 100 ; c = cir e = ellip b = box

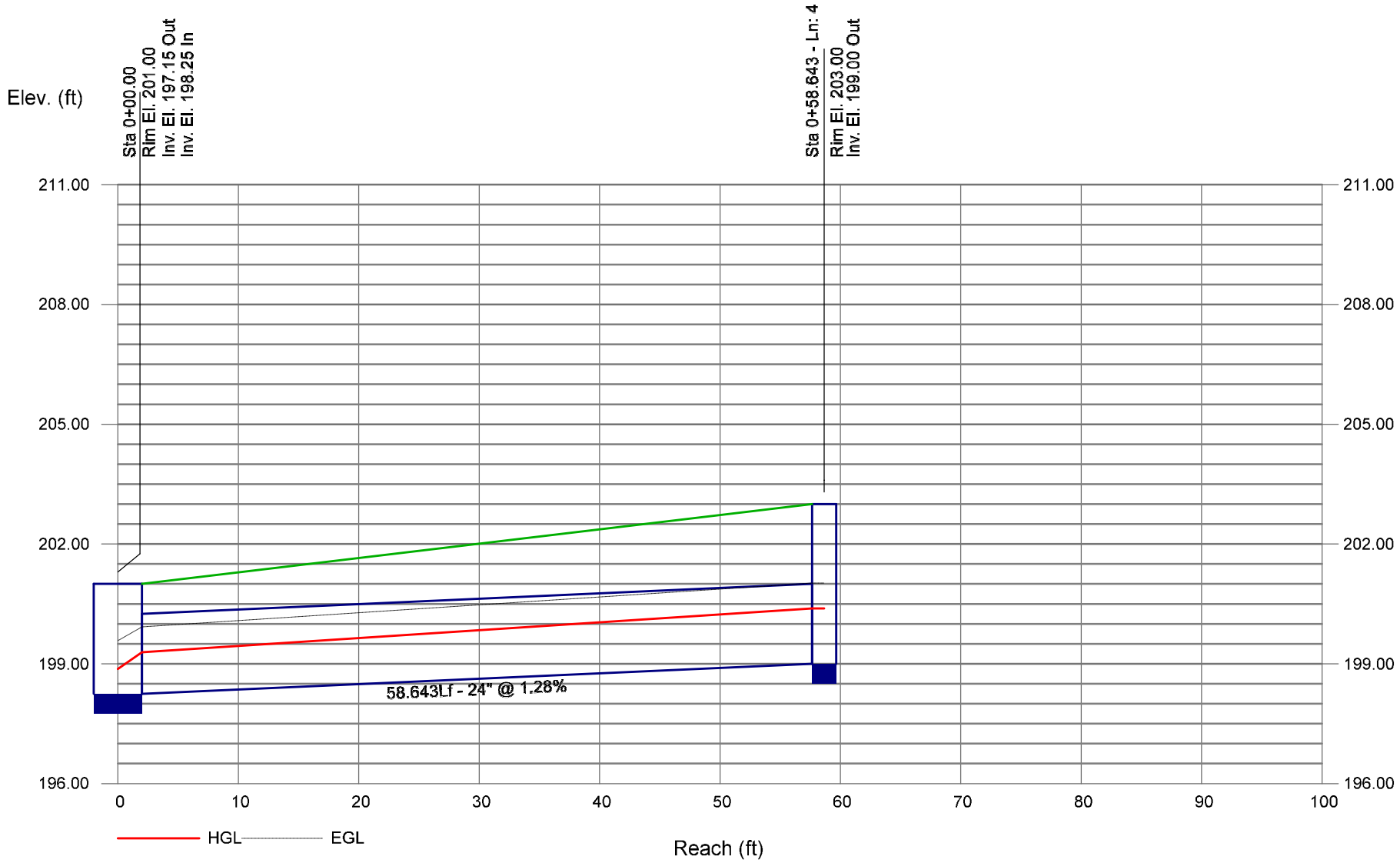
Storm Sewer Profile

Proj. file: 57-58-outflow.stm

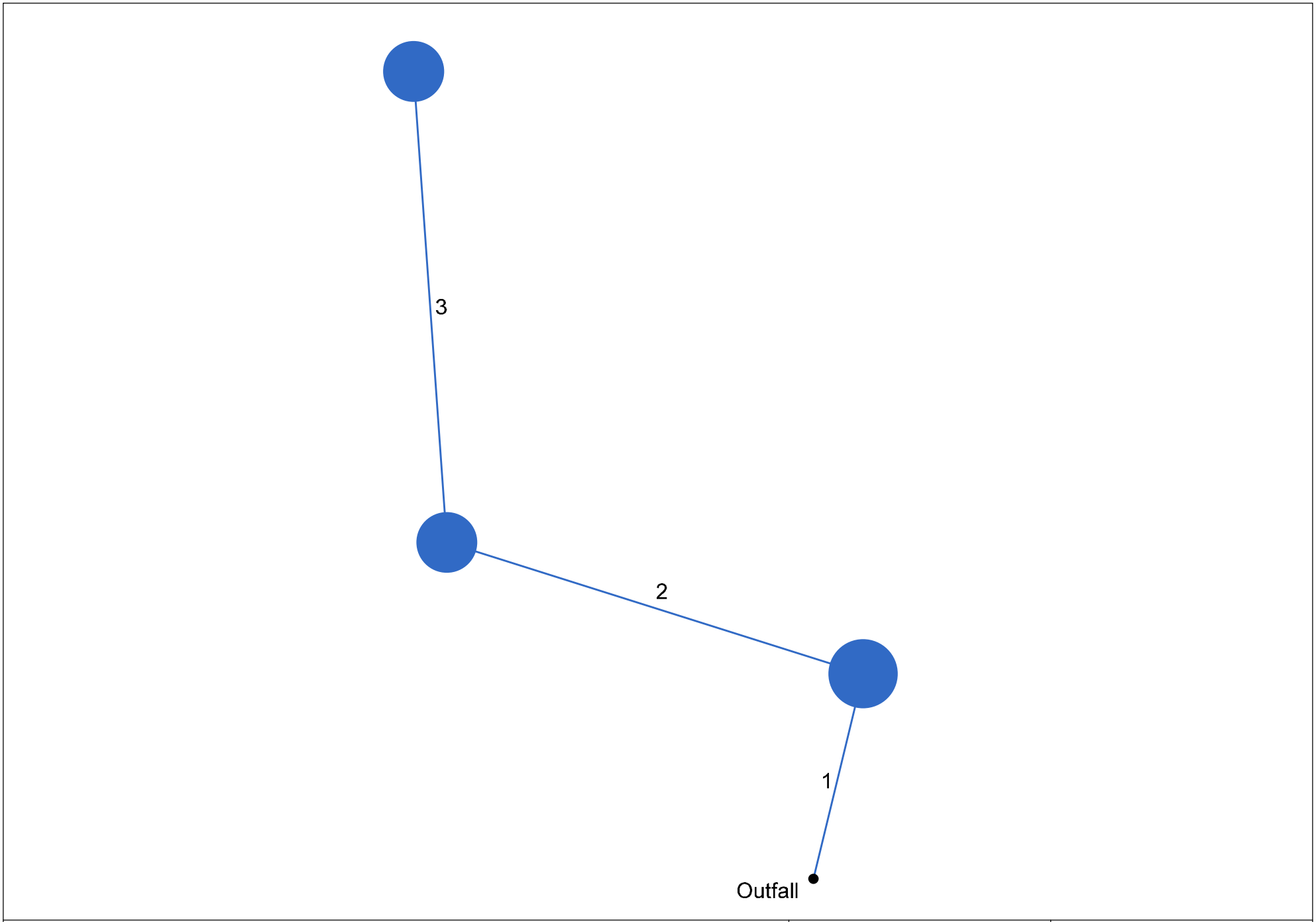


Storm Sewer Profile

Proj. file: 57-58-outflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Project File: 57-inflow.stm	Number of lines: 3	Date: 9/26/2025

Storm Sewer Tabulation

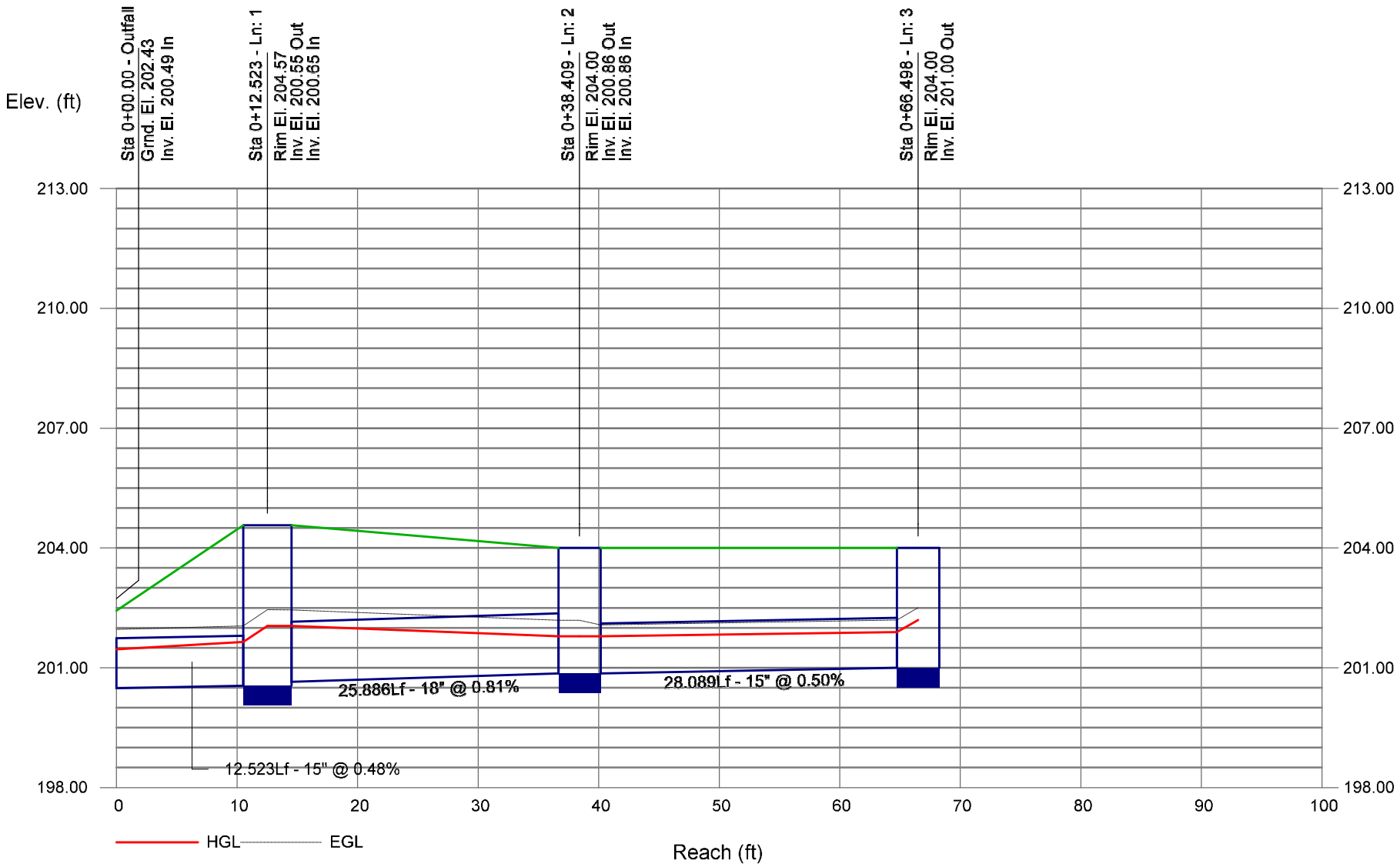
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	12.523	0.00	0.86	0.00	0.00	0.84	0.0	10.3	6.9	5.81	4.84	5.37	15	0.48	200.49	200.55	201.46	201.65	202.43	204.57	Proposed Storm-P
2	1	25.886	0.25	0.86	0.98	0.25	0.84	10.0	10.1	6.9	5.83	10.25	4.23	18	0.81	200.65	200.86	202.05	201.79	204.57	204.00	Pipe - (168)
3	2	28.089	0.61	0.61	0.98	0.60	0.60	10.0	10.0	6.9	4.15	4.94	4.33	15	0.50	200.86	201.00	201.79	201.89	204.00	204.00	Pipe - (167)

Project File: 57-inflow.stm | Number of lines: 3 | Run Date: 9/26/2025

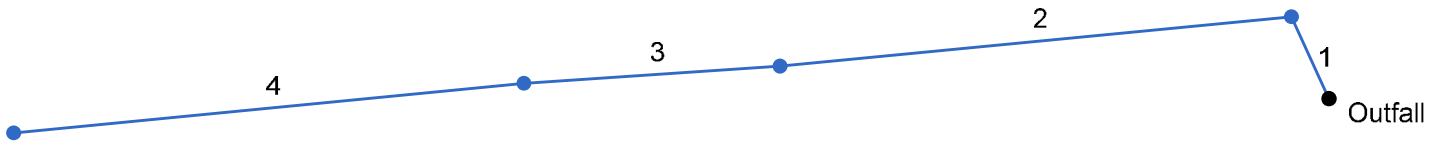
NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 57-inflow.stm



Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Project File: 58-inflow.stm	Number of lines: 4	Date: 9/26/2025

Storm Sewer Tabulation

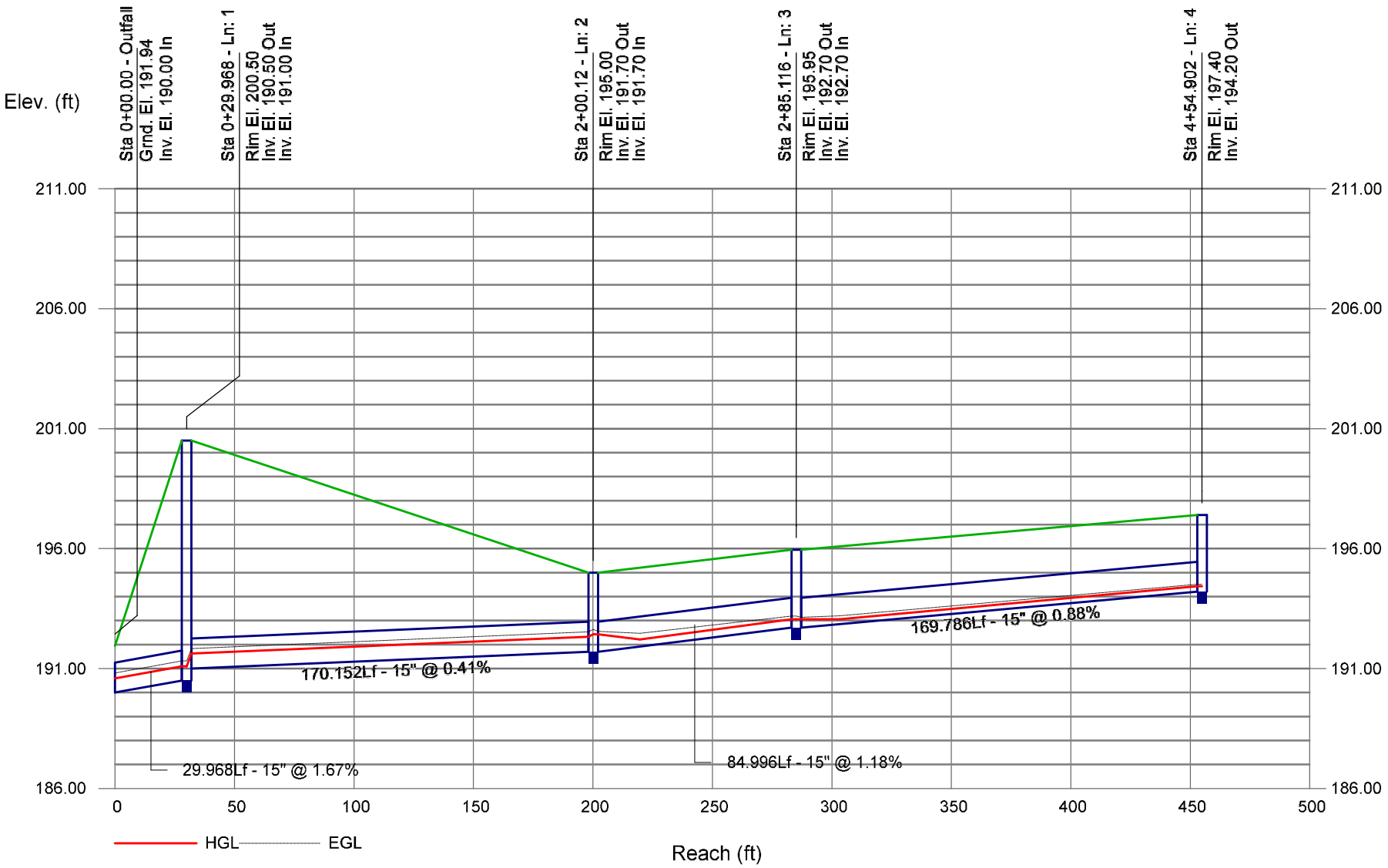
Station		Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	(ft)	Incr (ac)	Total (ac)	(C)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	29.968	0.00	0.58	0.00	0.00	0.43	0.0	22.5	5.1	2.17	9.04	3.83	15	1.67	190.00	190.50	190.59	191.09	191.94	200.50	Pipe - (176)
2	1	170.152	0.37	0.58	0.74	0.27	0.43	10.0	21.3	5.2	2.23	4.49	3.65	15	0.41	191.00	191.70	191.62	192.32	200.50	195.00	Pipe - (175)
3	2	84.996	0.14	0.21	0.74	0.10	0.16	10.0	19.7	5.4	0.84	7.59	2.01	15	1.18	191.70	192.70	192.42	193.06	195.00	195.95	Pipe - (174)
4	3	169.786	0.07	0.07	0.74	0.05	0.05	10.0	10.0	6.9	0.36	6.58	1.76	15	0.88	192.70	194.20	193.06	194.43	195.95	197.40	Pipe - (173)

Project File: 58-inflow.stm | Number of lines: 4 | Run Date: 9/26/2025

NOTES:Intensity = 102.61 / (Inlet time + 16.50) ^ 0.82; Return period =Yrs. 25 ; c = cir e = ellip b = box

Storm Sewer Profile

Proj. file: 58-inflow.stm



APPENDIX 6
DRAINAGE AREA MAPS

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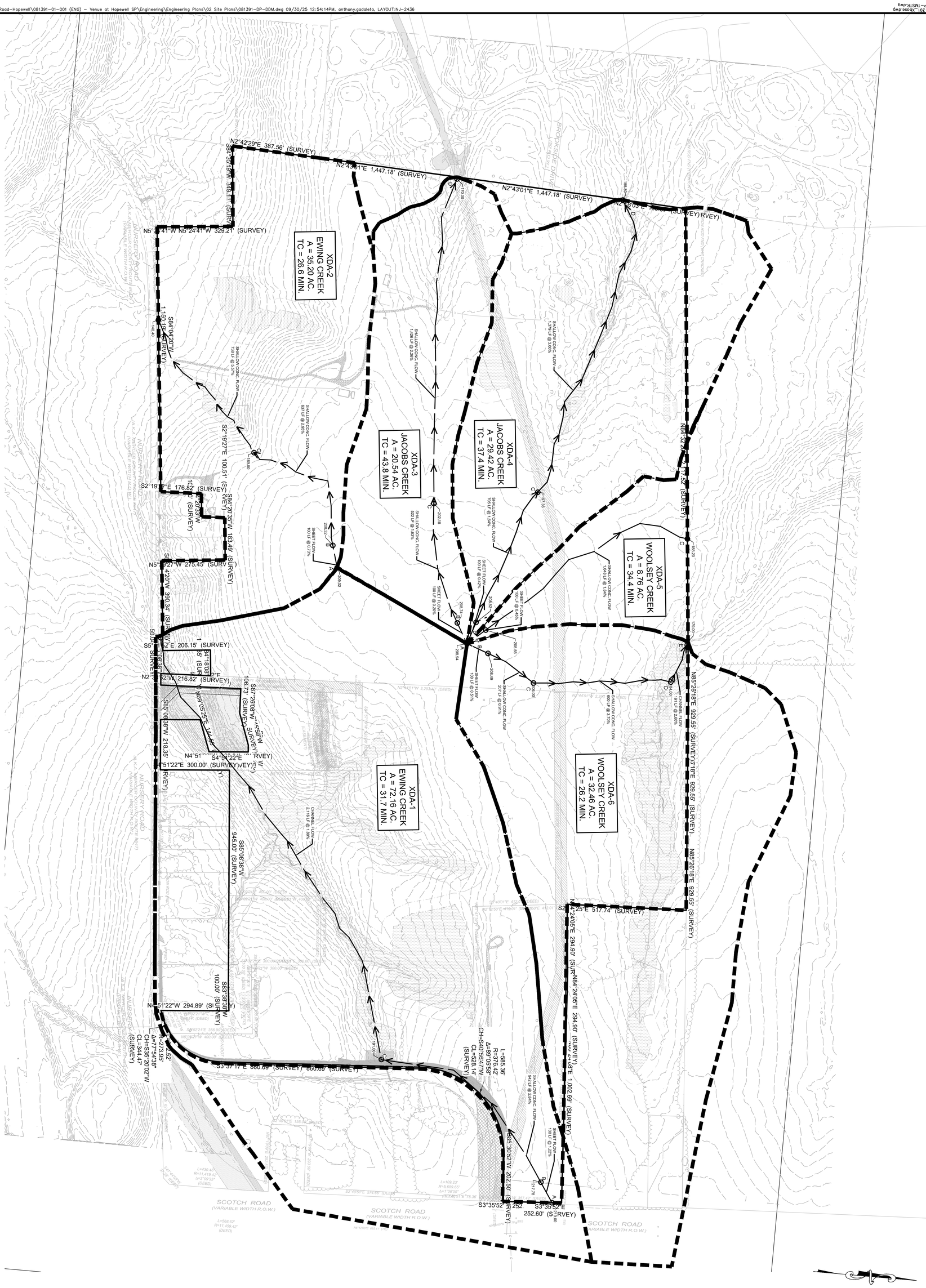
081391-SP-TMSTR.dwg



PRELIMINARY AND FINAL MAJOR SUBDIVISION &
PRELIMINARY AND FINAL SITE PLAN FOR

VENUE AT HOPEWELL

EXISTING DRAINAGE AREA MAP

BLOCK 93, LOTS 19, 20, 45.01, 46 & 60

TOWNSHIP OF HOPEWELL, MERCER COUNTY, NEW JERSEY

SHEET No. 1 OF

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NJ Certificate of Authorization
No. 24GA28222600

SEAN A. DELANY, N.J. Professional Engineer, Lic. 24GE04447100

Bowman

PROJ.: 081391-01-001
DATE: 06/25/2024
CHKD: SAD

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6	REVISED PER ENGINEERING COMMENTS	08/15/25	SAD
5	REVISED PER ENGINEERING COMMENTS	06/13/25	SAD
4	REVISED PER TOWNSHIP COMMENTS	03/31/25	SAD
3	REVISED PER ENGINEERING REVIEW	2/14/25	SAD
2	REVISED PER TOWNSHIP COMMENTS	12/18/24	SAD
1	REVISED PER PB COMPLETENESS REVIEW	09/10/24	SAD

	REVISION	DATE	CHKD
12			
11			
10			
9			
8	REVISED PER ENGINEERING COMMENTS	9/30/25	SAD
7	REVISED PER ENGINEERING COMMENTS	9/11/25	SAD

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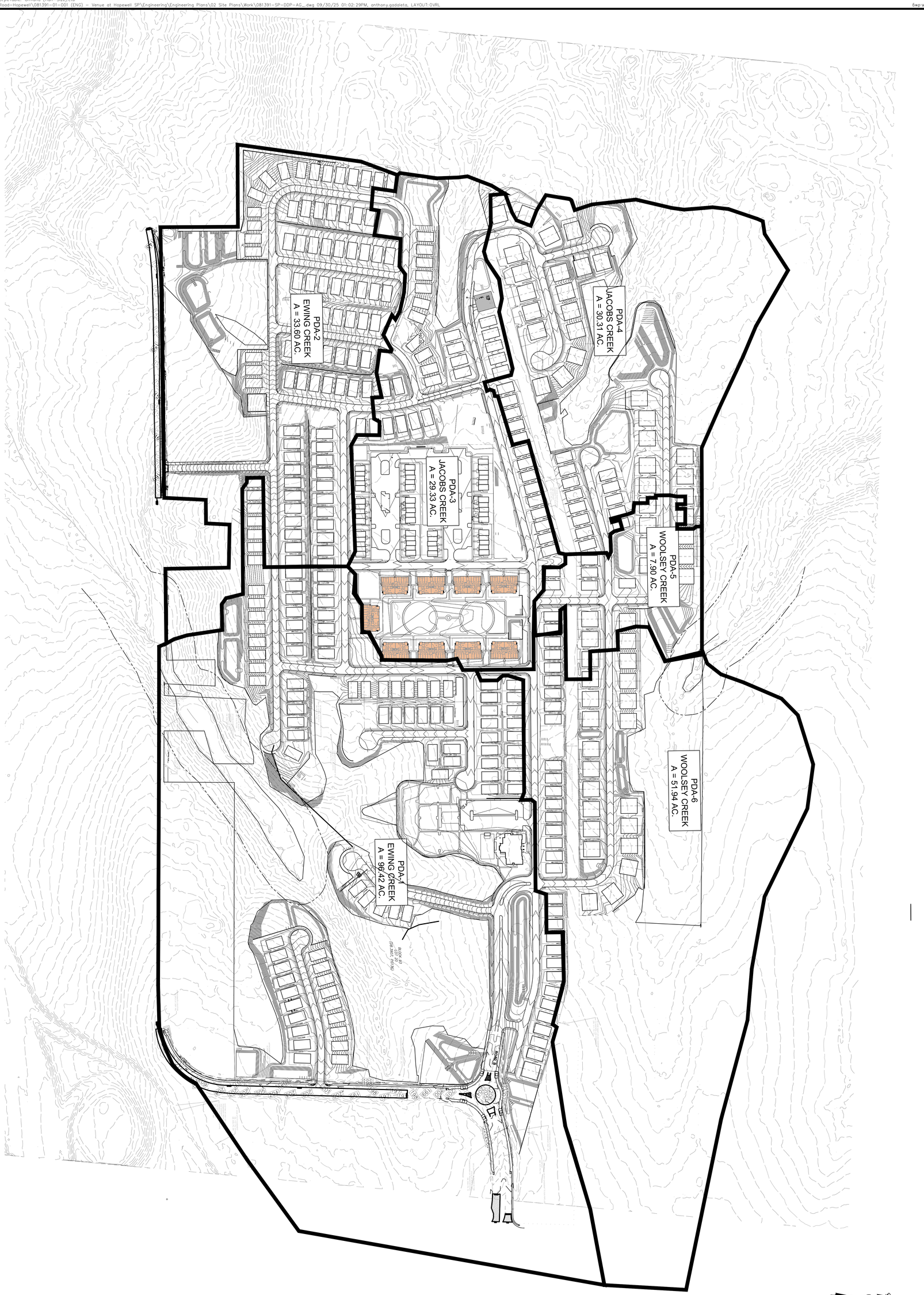

SHEET No.

OF

PRELIMINARY AND FINAL MAJOR SUBDIVISION &
PRELIMINARY AND FINAL SITE PLAN FOR

VENUE AT HOPEWELL

PROPOSED DRAINAGE AREA MAP

BLOCK 93, LOTS 19, 20, 45.01, 46 & 60

TOWNSHIP OF HOPEWELL, MERCER COUNTY, NEW JERSEY

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Phone: 732-665-5500
FAX: 732-665-5501
NJ Certificate of Authorization
No. 24GA28222600

S:\SDelany\CAD\SAD-Signature.tif

SEAN A. DELANY, N.J. Professional Engineer, Lic. 24GE04447100

Bowman

PROJ.: 081391-01-001
DATE: 06/25/2024
CHKD: SAD

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6	REVISED PER ENGINEERING COMMENTS	08/15/25	SAD
5	REVISED PER ENGINEERING COMMENTS	06/13/25	SAD
4	REVISED PER TOWNSHIP COMMENTS	03/31/25	SAD
3	REVISED PER ENGINEERING REVIEW	2/14/25	SAD
2	REVISED PER TOWNSHIP COMMENTS	12/18/24	SAD
1	REVISED PER PB COMPLETENESS REVIEW	09/10/24	SAD

	REVISION	DATE	CHKD
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7	REVISED PER ENGINEERING COMMENTS	9/11/25	SAD

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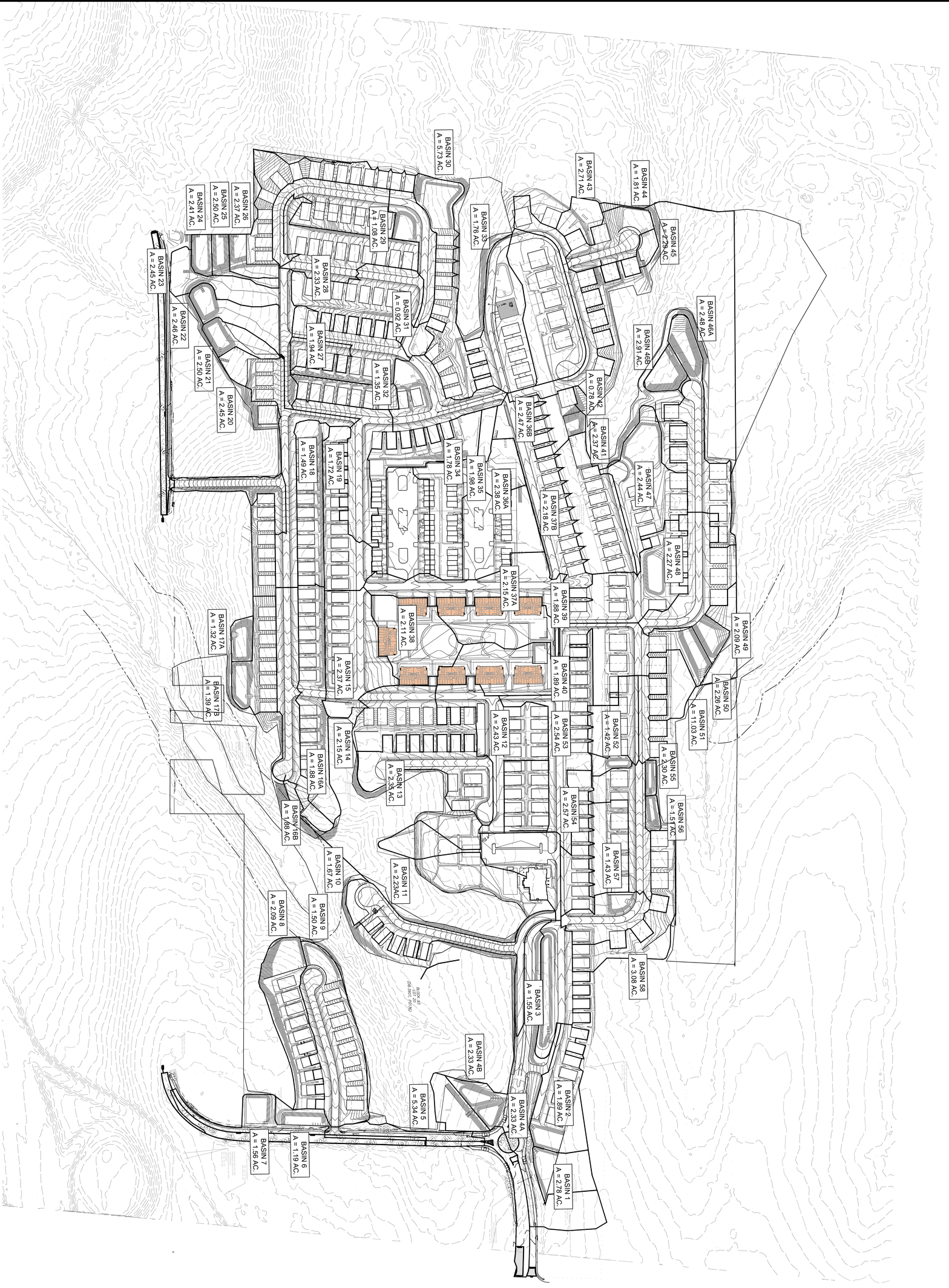

SHEET No.
OF

PRELIMINARY AND FINAL MAJOR SUBDIVISION &
PRELIMINARY AND FINAL SITE PLAN FOR
VENUE AT HOPEWELL

PROPOSED BMP AREA MAP

BLOCK 93, LOTS 19, 20, 45.01, 46 & 60
TOWNSHIP OF HOPEWELL, MERCER COUNTY, NEW JERSEY

Bowman Consulting Group Ltd
3 Paragon Way, Suite 170
Freehold, New Jersey 07728
bowman.com
E-mail: NJ@Bowman.com
Phone: 732-665-5500
FAX: 732-665-5501
NJ Certificate of Authorization No. 24GA28222600

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SEAN A. DELANY, N.J. Professional Engineer, Lic. 24GE04447100

Bowman

PROJ.: 081391-01-001
DATE: 06/25/2024
CHKD: SAD

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3	REVISED PER ENGINEERING REVIEW	2/14/25	SAD
2	REVISED PER TOWNSHIP COMMENTS	12/18/24	SAD
1	REVISED PER PB COMPLETENESS REVIEW	09/10/24	SAD

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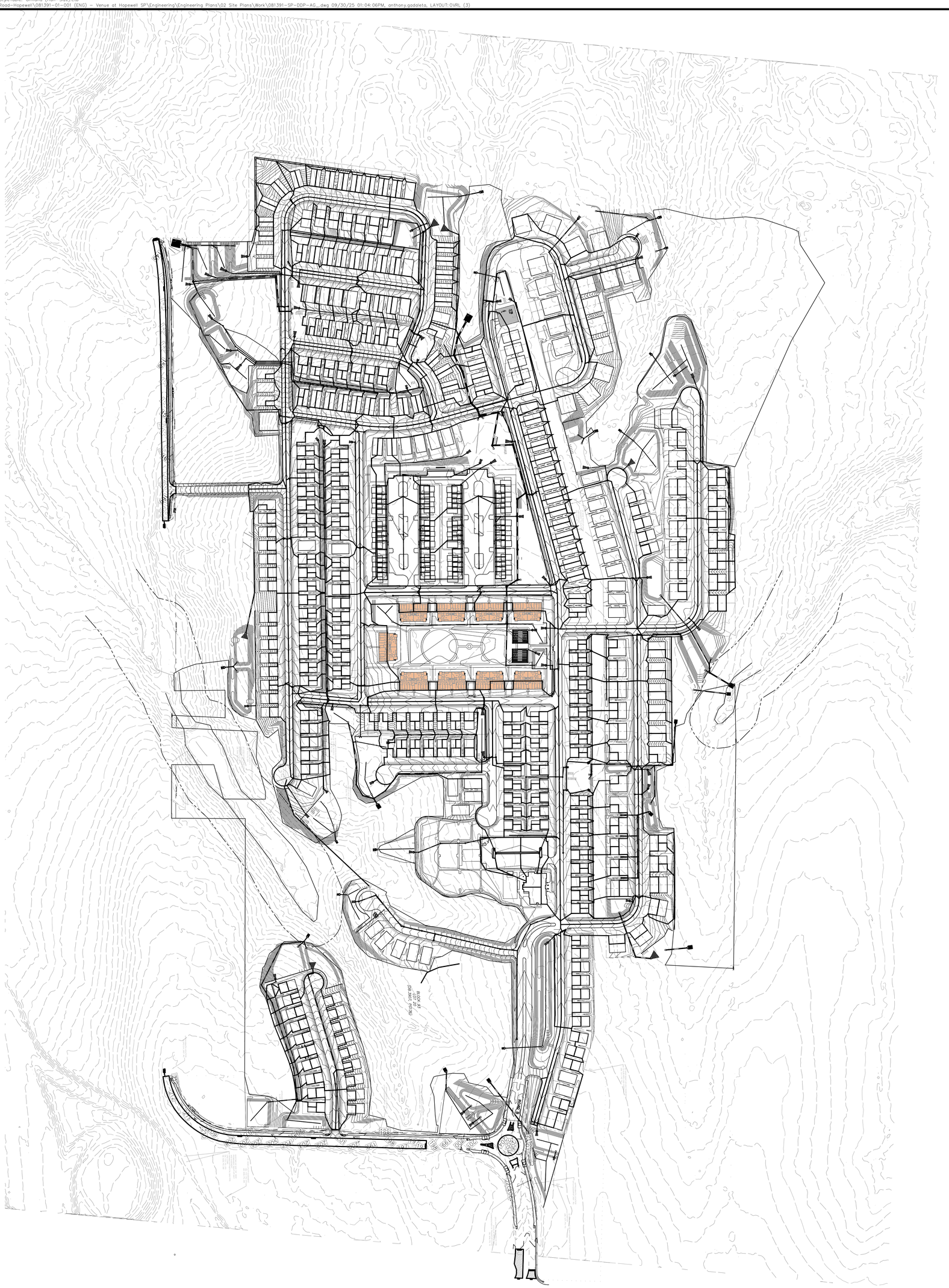

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PRELIMINARY AND FINAL SITE PLAN FOR

VENUE AT HOPEWELL

PROPOSED INLET AREA MAP

BLOCK 93, LOTS 19, 20, 45.01, 46 & 60

TOWNSHIP OF HOPEWELL, MERCER COUNTY, NEW JERSEY

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2	REVISED PER TOWNSHIP COMMENTS	12/18/24	SAD
1	REVISED PER PB COMPLETENESS REVIEW	09/10/24	SAD

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8	REVISED PER ENGINEERING COMMENTS	9/30/25	SAD
7	REVISED PER ENGINEERING COMMENTS	9/11/25	SAD

APPENDIX 7
GROUNDWATER MOUNDING CALCULATIONS

3 Paragon Way, Suite 170
Freehold, NJ 07728
Phone: 732-665-5500
Fax: 732-665-5501

Venue at Hopewell
Hopewell Township, Mercer County, NJ

August 15, 2025
File: 081391-01-001

$$\text{Duration of infiltration period} = \frac{\text{Volume of runoff to infil (cf)x 12 in/ft}}{\text{infiltration area (sf)x recharge rate}}$$

BMP	Footprint	Volume	Recharge Rate	Duration
Basin 8	16341	2241	3	0.55
Basin 9	13745	3161	3	0.92
Basin 17A	9821	1027	2	0.63
Basin 17B	11907	2163	2	1.09
Basin 18	3908	1947	0.5	11.96
Basin 19	4548	2541	0.5	13.41
Basin 27	4064	4633	0.5	27.36
Basin 28	4334	3460	0.5	19.16
Basin 29	8311	1600	13.5	0.17
Basin 34	9205	1945	0.5	5.07
Basin 35	8099	5082	0.5	15.06
Basin 36A	5644	4002	0.5	17.02
Basin 36B	6113	4668	0.5	18.33
Basin 37A	5901	3555	0.5	14.46
Basin 37B	8108	4643	0.5	13.74
Basin 41	6502	2945	0.5	10.87
Basin 42	5468	1247	0.5	5.47
Basin 43	8168	3931	0.5	11.55
Basin 45	6235	5640	1.5	7.24
Basin 49	12956	3744	0.5	6.94
Basin 50	14966	2914	0.5	4.67
Basin 51	15098	191	0.5	0.30
Basin 52	3154	2090	0.5	15.90
Basin 53	7666	4914	0.5	15.38
Basin 54	7411	6108	0.5	19.78
Basin 55	6327	4414	0.5	16.74
Basin 56	6995	2044	0.5	7.01
Basin 57	5608	2763	0.5	11.82
Basin 58	9201	1983	0.5	5.17

Basin 8

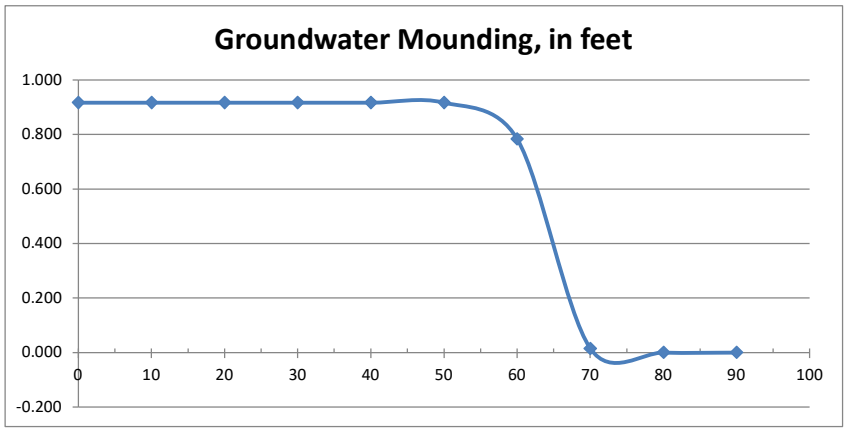
Input Values

3.00	*R*	Recharge rate (permeability rate) (in/hr)
		Specific yield, Sy (dimensionless)
0.150	Sy	default value is 0.15; max value is 0.2 provided that a lab test data is submitted
		Horizontal hydraulic conductivity (in/hr)
3.00	Kh	Kh = 5xRecharge Rate (R) in the costal plan; Kh=R outside the coastal plan
63.000	x	1/2 length of basin (x direction, in feet)
63.000	y	1/2 width of basin (y direction, in feet)
0.55	t	Duration of infiltration period (hours)
10.00	hi(0)	Initial thickness of saturated zone (feet)

10.917	h(max)	Maximum thickness of saturated zone (beneath center of basin at end of infiltration period)
0.917	Δh(max)	Maximum groundwater mounding (beneath center of basin at end of infiltration period)

Ground-water Mounding, in feet	Distance from center of basin in x direction, in feet
0.917	0
0.917	10
0.917	20
0.917	30
0.917	40
0.916	50
0.783	60
0.015	70
0.000	80
0.000	90

Re-Calculate Now



Disclaimer

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Basin 9

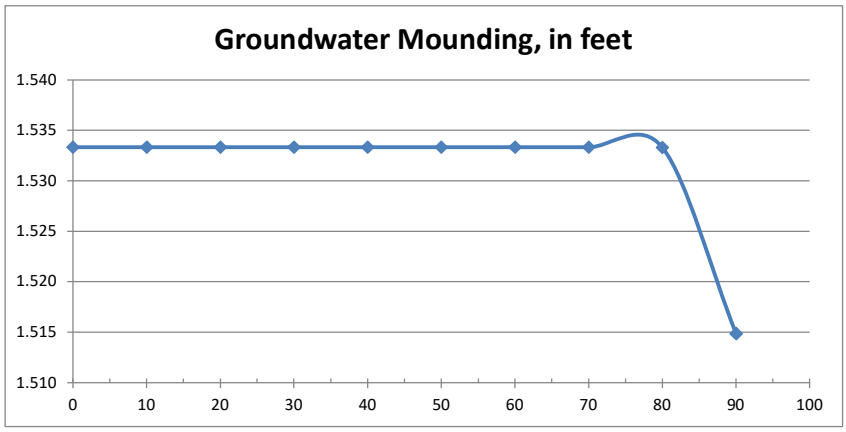
Input Values

3.00	*R*	Recharge rate (permeability rate) (in/hr)
		Specific yield, Sy (dimensionless)
0.150	Sy	default value is 0.15; max value is 0.2 provided that a lab test data is submitted
		Horizontal hydraulic conductivity (in/hr)
3.00	Kh	Kh = 5xRecharge Rate (R) in the costal plan; Kh=R outside the coastal plan
100.000	x	1/2 length of basin (x direction, in feet)
23.000	y	1/2 width of basin (y direction, in feet)
0.92	t	Duration of infiltration period (hours)
10.00	hi(0)	Initial thickness of saturated zone (feet)

11.533	h(max)	Maximum thickness of saturated zone (beneath center of basin at end of infiltration period)
1.533	Δh(max)	Maximum groundwater mounding (beneath center of basin at end of infiltration period)

Ground-water Mounding, in feet	Distance from center of basin in x direction, in feet
1.533	0
1.533	10
1.533	20
1.533	30
1.533	40
1.533	50
1.533	60
1.533	70
1.533	80
1.515	90

Re-Calculate Now



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Basin 17A

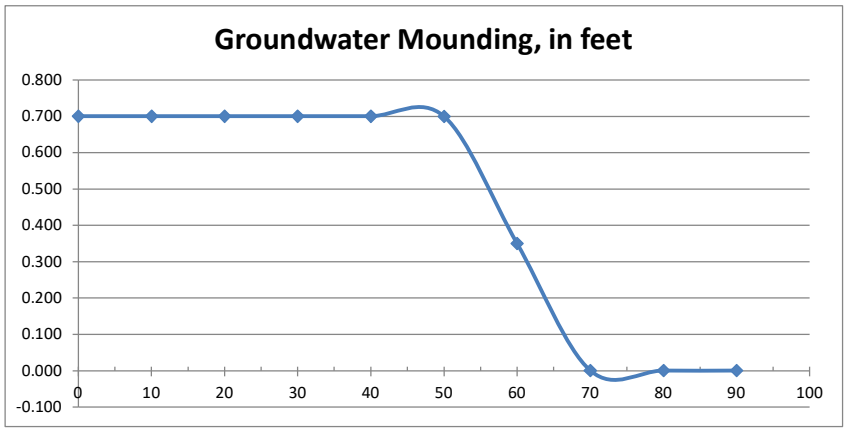
Input Values

2.00	*R*	Recharge rate (permeability rate) (in/hr)
		Specific yield, Sy (dimensionless)
0.150	Sy	default value is 0.15; max value is 0.2 provided that a lab test data is submitted
		Horizontal hydraulic conductivity (in/hr)
2.00	Kh	Kh = 5xRecharge Rate (R) in the costal plan; Kh=R outside the coastal plan
60.000	x	1/2 length of basin (x direction, in feet)
23.000	y	1/2 width of basin (y direction, in feet)
0.63	t	Duration of infiltration period (hours)
10.00	hi(0)	Initial thickness of saturated zone (feet)

10.700	h(max)	Maximum thickness of saturated zone (beneath center of basin at end of infiltration period)
0.700	Δh(max)	Maximum groundwater mounding (beneath center of basin at end of infiltration period)

Ground-water Mounding, in feet	Distance from center of basin in x direction, in feet
0.700	0
0.700	10
0.700	20
0.700	30
0.700	40
0.699	50
0.350	60
0.001	70
0.000	80
0.000	90

Re-Calculate Now



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Basin 17B

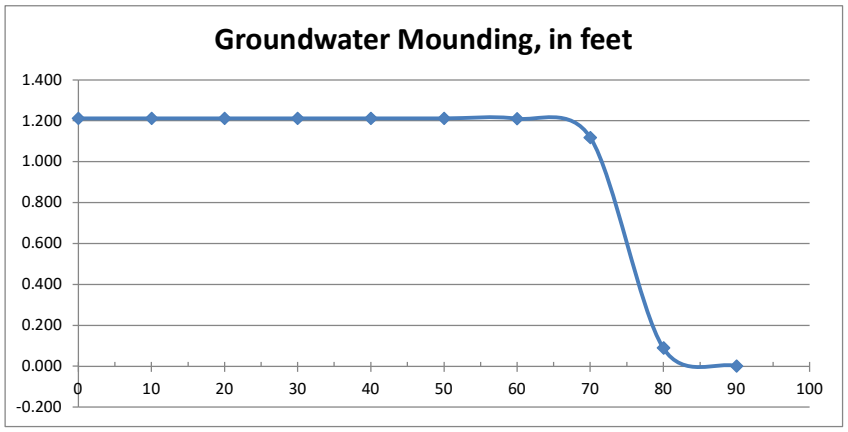
Input Values

2.00	*R*	Recharge rate (permeability rate) (in/hr)
		Specific yield, Sy (dimensionless)
0.150	Sy	default value is 0.15; max value is 0.2 provided that a lab test data is submitted
		Horizontal hydraulic conductivity (in/hr)
2.00	Kh	Kh = 5xRecharge Rate (R) in the costal plan; Kh=R outside the coastal plan
75.000	x	1/2 length of basin (x direction, in feet)
23.000	y	1/2 width of basin (y direction, in feet)
1.09	t	Duration of infiltration period (hours)
10.00	hi(0)	Initial thickness of saturated zone (feet)

11.211	h(max)	Maximum thickness of saturated zone (beneath center of basin at end of infiltration period)
1.211	Δh(max)	Maximum groundwater mounding (beneath center of basin at end of infiltration period)

Ground-water Mounding, in feet	Distance from center of basin in x direction, in feet
1.211	0
1.211	10
1.211	20
1.211	30
1.211	40
1.211	50
1.211	60
1.118	70
0.089	80
0.001	90

Re-Calculate Now



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Basin 18

Input Values

0.50	*R*	Recharge rate (permeability rate) (in/hr)
		Specific yield, Sy (dimensionless)
0.150	Sy	default value is 0.15; max value is 0.2 provided that a lab test data is submitted
		Horizontal hydraulic conductivity (in/hr)
0.50	Kh	Kh = 5xRecharge Rate (R) in the costal plan; Kh=R outside the coastal plan
25.000	x	1/2 length of basin (x direction, in feet)
11.000	y	1/2 width of basin (y direction, in feet)
11.96	t	Duration of infiltration period (hours)
10.00	hi(0)	Initial thickness of saturated zone (feet)

13.043	h(max)	Maximum thickness of saturated zone (beneath center of basin at end of infiltration period)
3.043	Δh(max)	Maximum groundwater mounding (beneath center of basin at end of infiltration period)

Ground-water Mounding, in feet	Distance from center of basin in x direction, in feet
3.043	0
3.010	10
2.520	20
0.515	30
0.028	40
0.002	50
0.001	60
0.001	70
0.001	80
0.001	90

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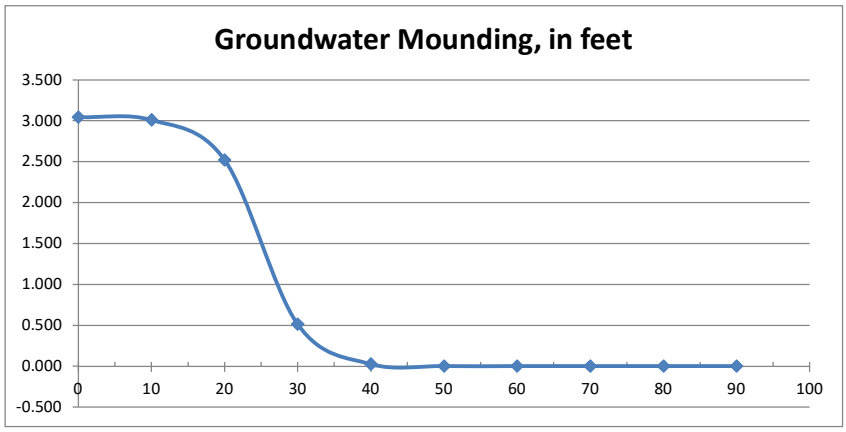

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Basin 19

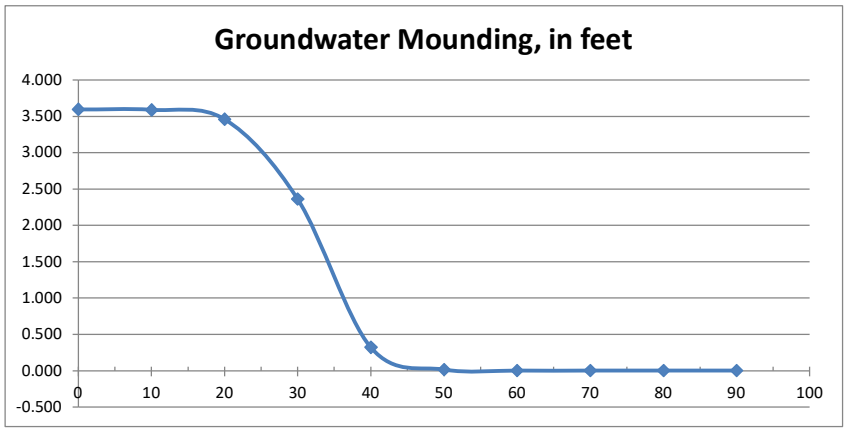
Input Values

0.50	*R*	Recharge rate (permeability rate) (in/hr)
		Specific yield, Sy (dimensionless)
0.150	Sy	default value is 0.15; max value is 0.2 provided that a lab test data is submitted
		Horizontal hydraulic conductivity (in/hr)
0.50	Kh	Kh = 5xRecharge Rate (R) in the costal plan; Kh=R outside the coastal plan
32.000	x	1/2 length of basin (x direction, in feet)
15.000	y	1/2 width of basin (y direction, in feet)
13.41	t	Duration of infiltration period (hours)
10.00	hi(0)	Initial thickness of saturated zone (feet)

13.594	h(max)	Maximum thickness of saturated zone (beneath center of basin at end of infiltration period)
3.594	Δh(max)	Maximum groundwater mounding (beneath center of basin at end of infiltration period)

Ground-water Mounding, in feet	Distance from center of basin in x direction, in feet
3.594	0
3.587	10
3.459	20
2.360	30
0.322	40
0.017	50
0.002	60
0.001	70
0.001	80
0.001	90

Re-Calculate Now



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Basin 27

Input Values

0.50	*R*	Recharge rate (permeability rate) (in/hr)
		Specific yield, Sy (dimensionless)
0.150	Sy	default value is 0.15; max value is 0.2 provided that a lab test data is submitted
		Horizontal hydraulic conductivity (in/hr)
0.50	Kh	Kh = 5xRecharge Rate (R) in the costal plan; Kh=R outside the coastal plan
41.000	x	1/2 length of basin (x direction, in feet)
6.000	y	1/2 width of basin (y direction, in feet)
27.36	t	Duration of infiltration period (hours)
10.00	hi(0)	Initial thickness of saturated zone (feet)

14.059	h(max)	Maximum thickness of saturated zone (beneath center of basin at end of infiltration period)
4.059	Δh(max)	Maximum groundwater mounding (beneath center of basin at end of infiltration period)

Ground-water Mounding, in feet	Distance from center of basin in x direction, in feet
4.059	0
4.053	10
4.004	20
3.716	30
2.378	40
0.486	50
0.070	60
0.009	70
0.003	80
0.003	90

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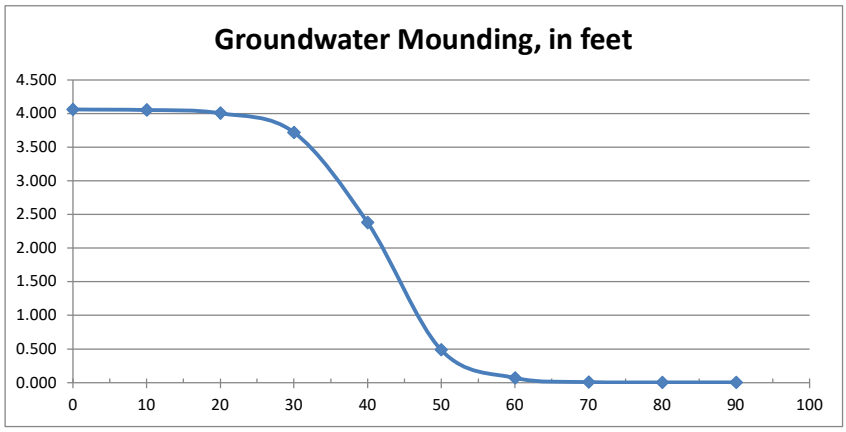

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Basin 28

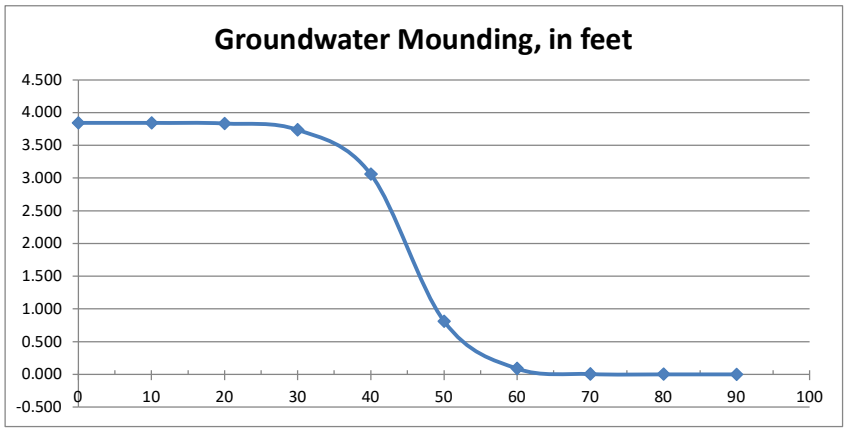
Input Values

0.50	*R*	Recharge rate (permeability rate) (in/hr)
		Specific yield, Sy (dimensionless)
0.150	Sy	default value is 0.15; max value is 0.2 provided that a lab test data is submitted
		Horizontal hydraulic conductivity (in/hr)
0.50	Kh	Kh = 5xRecharge Rate (R) in the costal plan; Kh=R outside the coastal plan
45.000	x	1/2 length of basin (x direction, in feet)
8.000	y	1/2 width of basin (y direction, in feet)
19.16	t	Duration of infiltration period (hours)
10.00	hi(0)	Initial thickness of saturated zone (feet)

13.842	h(max)	Maximum thickness of saturated zone (beneath center of basin at end of infiltration period)
3.842	Δh(max)	Maximum groundwater mounding (beneath center of basin at end of infiltration period)

Ground-water Mounding, in feet	Distance from center of basin in x direction, in feet
3.842	0
3.842	10
3.833	20
3.736	30
3.058	40
0.810	50
0.089	60
0.007	70
0.002	80
0.002	90

Re-Calculate Now



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Basin 29

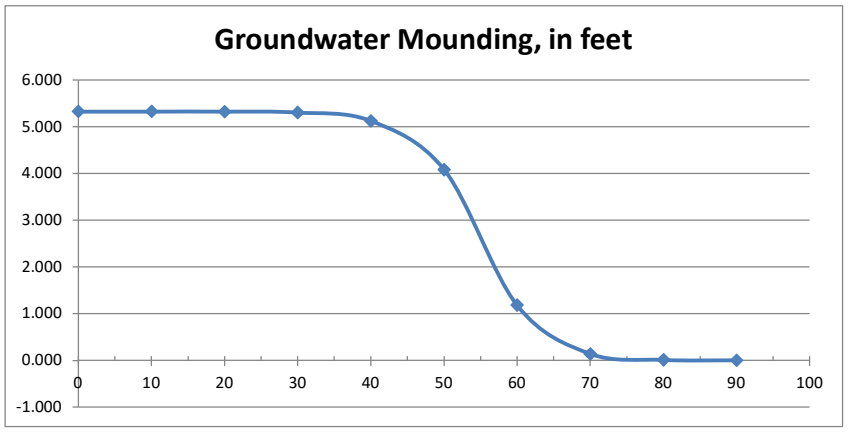
Input Values

0.50	*R*	Recharge rate (permeability rate) (in/hr)
		Specific yield, Sy (dimensionless)
0.150	Sy	default value is 0.15; max value is 0.2 provided that a lab test data is submitted
		Horizontal hydraulic conductivity (in/hr)
0.50	Kh	Kh = 5xRecharge Rate (R) in the costal plan; Kh=R outside the coastal plan
55.000	x	1/2 length of basin (x direction, in feet)
42.000	y	1/2 width of basin (y direction, in feet)
19.16	t	Duration of infiltration period (hours)
10.00	hi(0)	Initial thickness of saturated zone (feet)

15.322	h(max)	Maximum thickness of saturated zone (beneath center of basin at end of infiltration period)
5.322	Δh(max)	Maximum groundwater mounding (beneath center of basin at end of infiltration period)

Ground-water Mounding, in feet	Distance from center of basin in x direction, in feet
5.322	0
5.322	10
5.321	20
5.303	30
5.121	40
4.078	50
1.180	60
0.140	70
0.010	80
0.002	90

Re-Calculate Now



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Basin 34

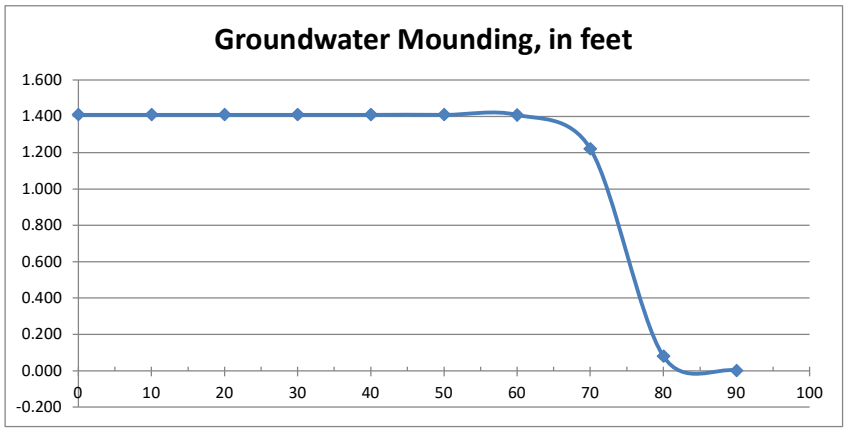
Input Values

0.50	*R*	Recharge rate (permeability rate) (in/hr)
		Specific yield, Sy (dimensionless)
0.150	Sy	default value is 0.15; max value is 0.2 provided that a lab test data is submitted
		Horizontal hydraulic conductivity (in/hr)
0.50	Kh	Kh = 5xRecharge Rate (R) in the costal plan; Kh=R outside the coastal plan
74.000	x	1/2 length of basin (x direction, in feet)
33.000	y	1/2 width of basin (y direction, in feet)
5.07	t	Duration of infiltration period (hours)
10.00	hi(0)	Initial thickness of saturated zone (feet)

11.408	h(max)	Maximum thickness of saturated zone (beneath center of basin at end of infiltration period)
1.408	Δh(max)	Maximum groundwater mounding (beneath center of basin at end of infiltration period)

Ground-water Mounding, in feet	Distance from center of basin in x direction, in feet
1.408	0
1.408	10
1.408	20
1.408	30
1.408	40
1.408	50
1.407	60
1.221	70
0.080	80
0.001	90

Re-Calculate Now



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Basin 35

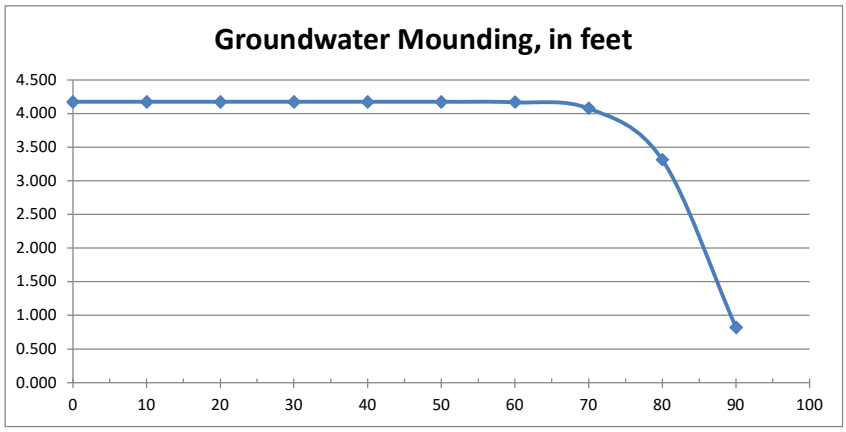
Input Values

0.50	*R*	Recharge rate (permeability rate) (in/hr)
		Specific yield, Sy (dimensionless)
0.150	Sy	default value is 0.15; max value is 0.2 provided that a lab test data is submitted
		Horizontal hydraulic conductivity (in/hr)
0.50	Kh	Kh = 5xRecharge Rate (R) in the costal plan; Kh=R outside the coastal plan
85.000	x	1/2 length of basin (x direction, in feet)
25.000	y	1/2 width of basin (y direction, in feet)
15.06	t	Duration of infiltration period (hours)
10.00	hi(0)	Initial thickness of saturated zone (feet)

14.173	h(max)	Maximum thickness of saturated zone (beneath center of basin at end of infiltration period)
4.173	Δh(max)	Maximum groundwater mounding (beneath center of basin at end of infiltration period)

Ground-water Mounding, in feet	Distance from center of basin in x direction, in feet
4.173	0
4.173	10
4.173	20
4.173	30
4.173	40
4.173	50
4.168	60
4.077	70
3.310	80
0.819	90

Re-Calculate Now



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Basin 36A

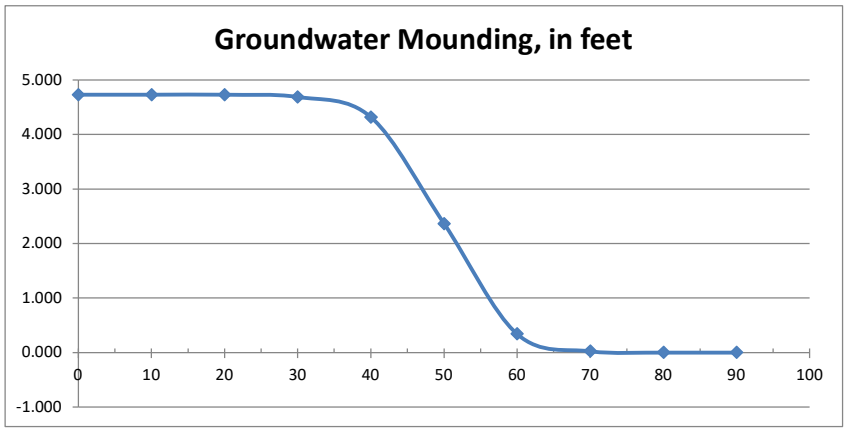
Input Values

0.50	*R*	Recharge rate (permeability rate) (in/hr)
		Specific yield, Sy (dimensionless)
0.150	Sy	default value is 0.15; max value is 0.2 provided that a lab test data is submitted
		Horizontal hydraulic conductivity (in/hr)
0.50	Kh	Kh = 5xRecharge Rate (R) in the costal plan; Kh=R outside the coastal plan
50.000	x	1/2 length of basin (x direction, in feet)
37.000	y	1/2 width of basin (y direction, in feet)
17.02	t	Duration of infiltration period (hours)
10.00	hi(0)	Initial thickness of saturated zone (feet)

14.727	h(max)	Maximum thickness of saturated zone (beneath center of basin at end of infiltration period)
4.727	Δh(max)	Maximum groundwater mounding (beneath center of basin at end of infiltration period)

Ground-water Mounding, in feet	Distance from center of basin in x direction, in feet
4.727	0
4.727	10
4.725	20
4.686	30
4.315	40
2.365	50
0.343	60
0.025	70
0.002	80
0.002	90

Re-Calculate Now



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Basin 36B

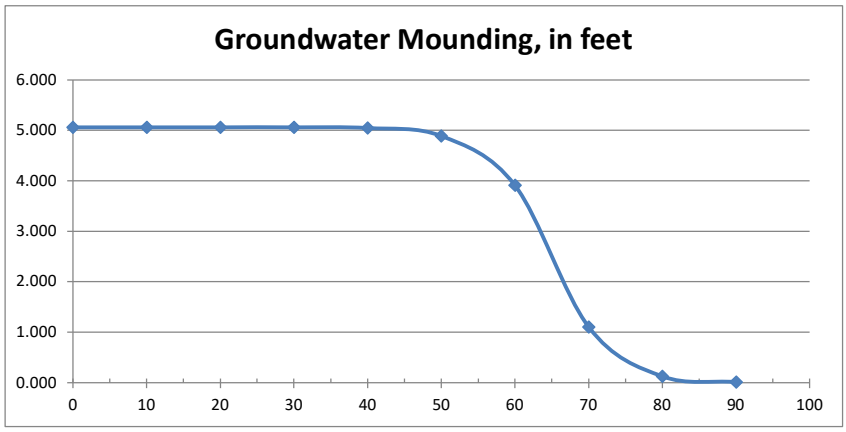
Input Values

0.50	*R*	Recharge rate (permeability rate) (in/hr)
		Specific yield, Sy (dimensionless)
0.150	Sy	default value is 0.15; max value is 0.2 provided that a lab test data is submitted
		Horizontal hydraulic conductivity (in/hr)
0.50	Kh	Kh = 5xRecharge Rate (R) in the costal plan; Kh=R outside the coastal plan
65.000	x	1/2 length of basin (x direction, in feet)
25.000	y	1/2 width of basin (y direction, in feet)
18.33	t	Duration of infiltration period (hours)
10.00	hi(0)	Initial thickness of saturated zone (feet)

15.061	h(max)	Maximum thickness of saturated zone (beneath center of basin at end of infiltration period)
5.061	Δh(max)	Maximum groundwater mounding (beneath center of basin at end of infiltration period)

Ground-water Mounding, in feet	Distance from center of basin in x direction, in feet
5.061	0
5.061	10
5.061	20
5.060	30
5.046	40
4.887	50
3.908	60
1.100	70
0.123	80
0.008	90

Re-Calculate Now



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Basin 37A

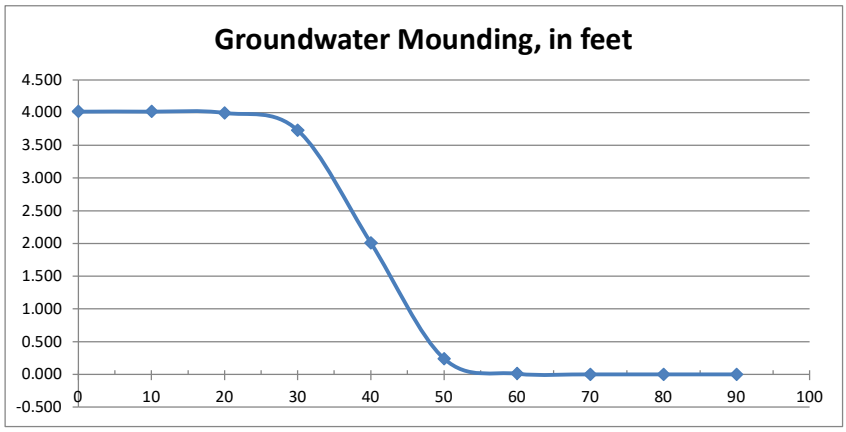
Input Values

0.50	*R*	Recharge rate (permeability rate) (in/hr)
		Specific yield, Sy (dimensionless)
0.150	Sy	default value is 0.15; max value is 0.2 provided that a lab test data is submitted
		Horizontal hydraulic conductivity (in/hr)
0.50	Kh	Kh = 5xRecharge Rate (R) in the costal plan; Kh=R outside the coastal plan
40.000	x	1/2 length of basin (x direction, in feet)
40.000	y	1/2 width of basin (y direction, in feet)
14.46	t	Duration of infiltration period (hours)
10.00	hi(0)	Initial thickness of saturated zone (feet)

14.017	h(max)	Maximum thickness of saturated zone (beneath center of basin at end of infiltration period)
4.017	Δh(max)	Maximum groundwater mounding (beneath center of basin at end of infiltration period)

Ground-water Mounding, in feet	Distance from center of basin in x direction, in feet
4.017	0
4.016	10
3.996	20
3.730	30
2.009	40
0.238	50
0.013	60
0.002	70
0.001	80
0.001	90

Re-Calculate Now



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Basin 37B

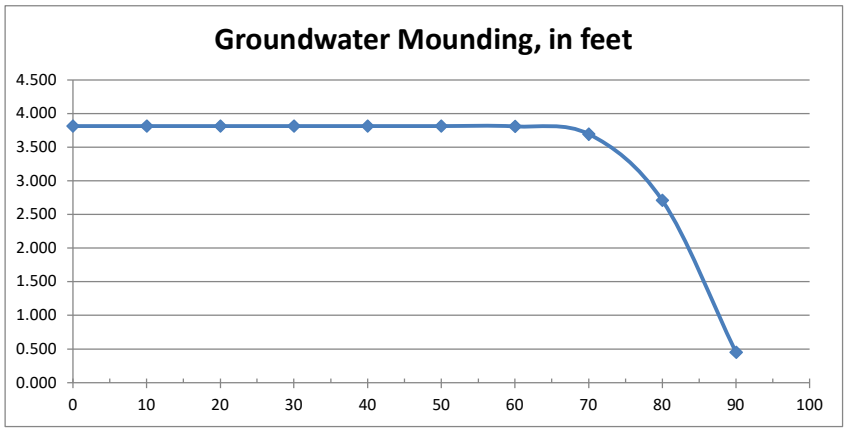
Input Values

0.50	*R*	Recharge rate (permeability rate) (in/hr)
		Specific yield, Sy (dimensionless)
0.150	Sy	default value is 0.15; max value is 0.2 provided that a lab test data is submitted
		Horizontal hydraulic conductivity (in/hr)
0.50	Kh	Kh = 5xRecharge Rate (R) in the costal plan; Kh=R outside the coastal plan
83.000	x	1/2 length of basin (x direction, in feet)
27.000	y	1/2 width of basin (y direction, in feet)
13.74	t	Duration of infiltration period (hours)
10.00	hi(0)	Initial thickness of saturated zone (feet)

13.814	h(max)	Maximum thickness of saturated zone (beneath center of basin at end of infiltration period)
3.814	Δh(max)	Maximum groundwater mounding (beneath center of basin at end of infiltration period)

Ground-water Mounding, in feet	Distance from center of basin in x direction, in feet
3.814	0
3.814	10
3.814	20
3.814	30
3.814	40
3.814	50
3.808	60
3.692	70
2.707	80
0.450	90

Re-Calculate Now



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Basin 41

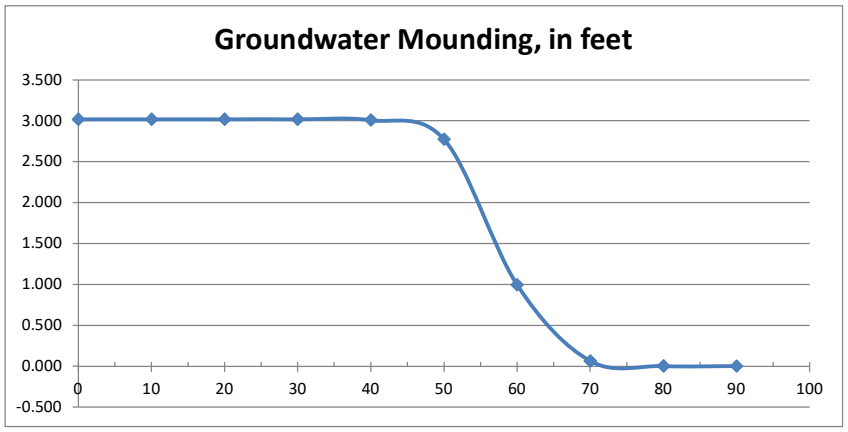
Input Values

0.50	*R*	Recharge rate (permeability rate) (in/hr)
		Specific yield, Sy (dimensionless)
0.150	Sy	default value is 0.15; max value is 0.2 provided that a lab test data is submitted
		Horizontal hydraulic conductivity (in/hr)
0.50	Kh	Kh = 5xRecharge Rate (R) in the costal plan; Kh=R outside the coastal plan
58.000	x	1/2 length of basin (x direction, in feet)
25.000	y	1/2 width of basin (y direction, in feet)
10.87	t	Duration of infiltration period (hours)
10.00	hi(0)	Initial thickness of saturated zone (feet)

13.018	h(max)	Maximum thickness of saturated zone (beneath center of basin at end of infiltration period)
3.018	Δh(max)	Maximum groundwater mounding (beneath center of basin at end of infiltration period)

Ground-water Mounding, in feet	Distance from center of basin in x direction, in feet
3.018	0
3.018	10
3.018	20
3.018	30
3.007	40
2.773	50
0.994	60
0.063	70
0.002	80
0.001	90

Re-Calculate Now



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Basin 42

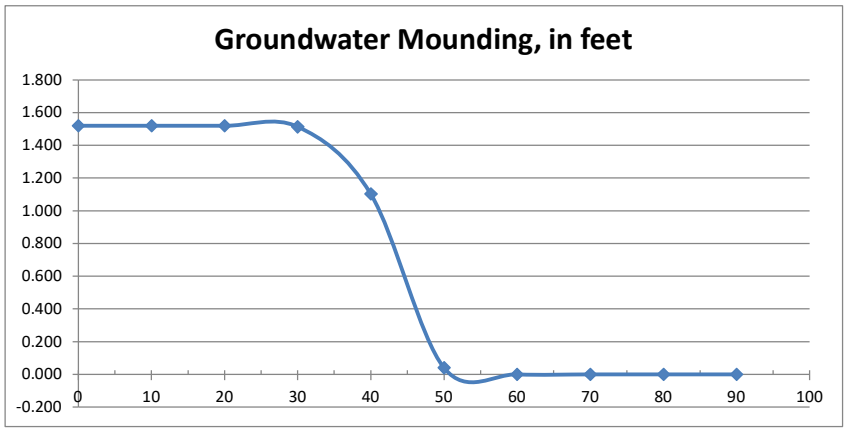
Input Values

0.50	*R*	Recharge rate (permeability rate) (in/hr)
		Specific yield, Sy (dimensionless)
0.150	Sy	default value is 0.15; max value is 0.2 provided that a lab test data is submitted
		Horizontal hydraulic conductivity (in/hr)
0.50	Kh	Kh = 5xRecharge Rate (R) in the costal plan; Kh=R outside the coastal plan
42.000	x	1/2 length of basin (x direction, in feet)
40.000	y	1/2 width of basin (y direction, in feet)
5.47	t	Duration of infiltration period (hours)
10.00	hi(0)	Initial thickness of saturated zone (feet)

11.519	h(max)	Maximum thickness of saturated zone (beneath center of basin at end of infiltration period)
1.519	Δh(max)	Maximum groundwater mounding (beneath center of basin at end of infiltration period)

Ground-water Mounding, in feet	Distance from center of basin in x direction, in feet
1.519	0
1.519	10
1.519	20
1.513	30
1.102	40
0.040	50
0.001	60
0.001	70
0.001	80
0.001	90

Re-Calculate Now



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Basin 43

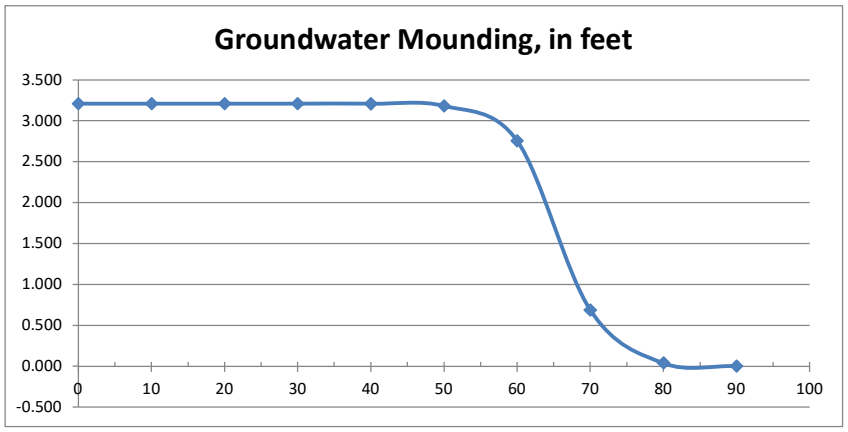
Input Values

0.50	*R*	Recharge rate (permeability rate) (in/hr)
		Specific yield, Sy (dimensionless)
0.150	Sy	default value is 0.15; max value is 0.2 provided that a lab test data is submitted
		Horizontal hydraulic conductivity (in/hr)
0.50	Kh	Kh = 5xRecharge Rate (R) in the costal plan; Kh=R outside the coastal plan
66.000	x	1/2 length of basin (x direction, in feet)
47.000	y	1/2 width of basin (y direction, in feet)
11.55	t	Duration of infiltration period (hours)
10.00	hi(0)	Initial thickness of saturated zone (feet)

13.208	h(max)	Maximum thickness of saturated zone (beneath center of basin at end of infiltration period)
3.208	Δh(max)	Maximum groundwater mounding (beneath center of basin at end of infiltration period)

Ground-water Mounding, in feet	Distance from center of basin in x direction, in feet
3.208	0
3.208	10
3.208	20
3.208	30
3.208	40
3.180	50
2.755	60
0.685	70
0.039	80
0.002	90

Re-Calculate Now



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Basin 45

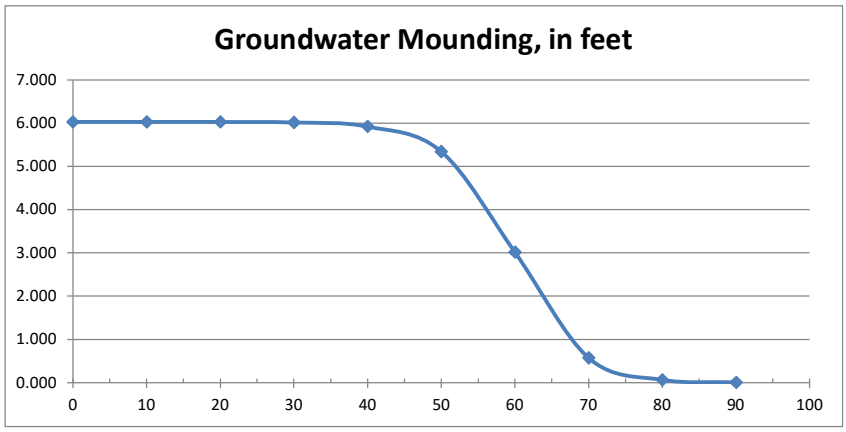
Input Values

1.50	*R*	Recharge rate (permeability rate) (in/hr)
		Specific yield, Sy (dimensionless)
0.150	Sy	default value is 0.15; max value is 0.2 provided that a lab test data is submitted
		Horizontal hydraulic conductivity (in/hr)
1.50	Kh	Kh = 5xRecharge Rate (R) in the costal plan; Kh=R outside the coastal plan
60.000	x	1/2 length of basin (x direction, in feet)
34.000	y	1/2 width of basin (y direction, in feet)
7.24	t	Duration of infiltration period (hours)
10.00	hi(0)	Initial thickness of saturated zone (feet)

16.026	h(max)	Maximum thickness of saturated zone (beneath center of basin at end of infiltration period)
6.026	Δh(max)	Maximum groundwater mounding (beneath center of basin at end of infiltration period)

Ground-water Mounding, in feet	Distance from center of basin in x direction, in feet
6.026	0
6.026	10
6.026	20
6.016	30
5.920	40
5.343	50
3.016	60
0.570	70
0.061	80
0.005	90

Re-Calculate Now



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Basin 49

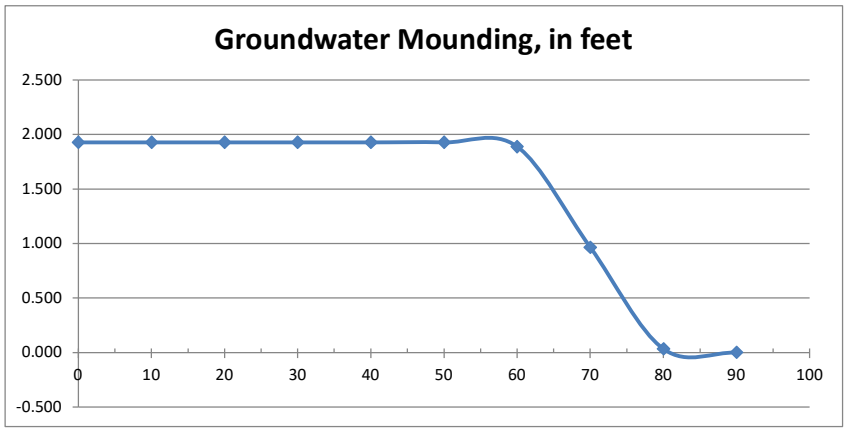
Input Values

0.50	*R*	Recharge rate (permeability rate) (in/hr)
		Specific yield, Sy (dimensionless)
0.150	Sy	default value is 0.15; max value is 0.2 provided that a lab test data is submitted
		Horizontal hydraulic conductivity (in/hr)
0.50	Kh	Kh = 5xRecharge Rate (R) in the costal plan; Kh=R outside the coastal plan
70.000	x	1/2 length of basin (x direction, in feet)
45.000	y	1/2 width of basin (y direction, in feet)
6.94	t	Duration of infiltration period (hours)
10.00	hi(0)	Initial thickness of saturated zone (feet)

11.928	h(max)	Maximum thickness of saturated zone (beneath center of basin at end of infiltration period)
1.928	Δh(max)	Maximum groundwater mounding (beneath center of basin at end of infiltration period)

Ground-water Mounding, in feet	Distance from center of basin in x direction, in feet
1.928	0
1.928	10
1.928	20
1.928	30
1.928	40
1.927	50
1.888	60
0.964	70
0.034	80
0.001	90

Re-Calculate Now



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Basin 50

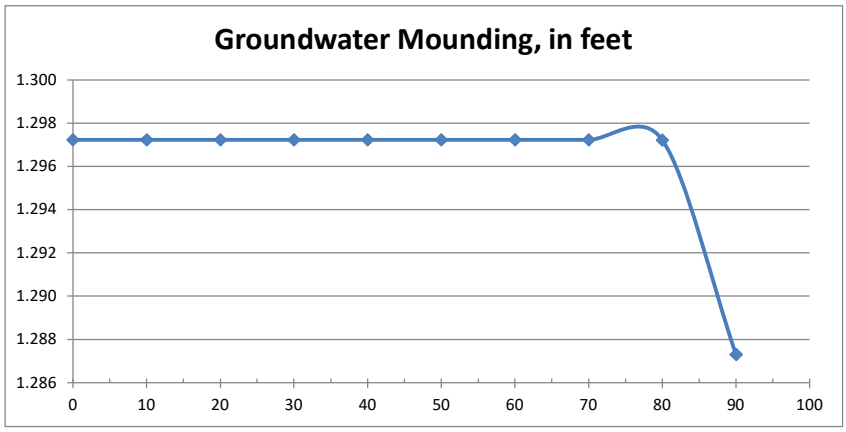
Input Values

0.50	*R*	Recharge rate (permeability rate) (in/hr)
		Specific yield, Sy (dimensionless)
0.150	Sy	default value is 0.15; max value is 0.2 provided that a lab test data is submitted
		Horizontal hydraulic conductivity (in/hr)
0.50	Kh	Kh = 5xRecharge Rate (R) in the costal plan; Kh=R outside the coastal plan
100.000	x	1/2 length of basin (x direction, in feet)
37.000	y	1/2 width of basin (y direction, in feet)
4.67	t	Duration of infiltration period (hours)
10.00	hi(0)	Initial thickness of saturated zone (feet)

11.297	h(max)	Maximum thickness of saturated zone (beneath center of basin at end of infiltration period)
1.297	Δh(max)	Maximum groundwater mounding (beneath center of basin at end of infiltration period)

Ground-water Mounding, in feet	Distance from center of basin in x direction, in feet
1.297	0
1.297	10
1.297	20
1.297	30
1.297	40
1.297	50
1.297	60
1.297	70
1.297	80
1.287	90

Re-Calculate Now



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Basin 51

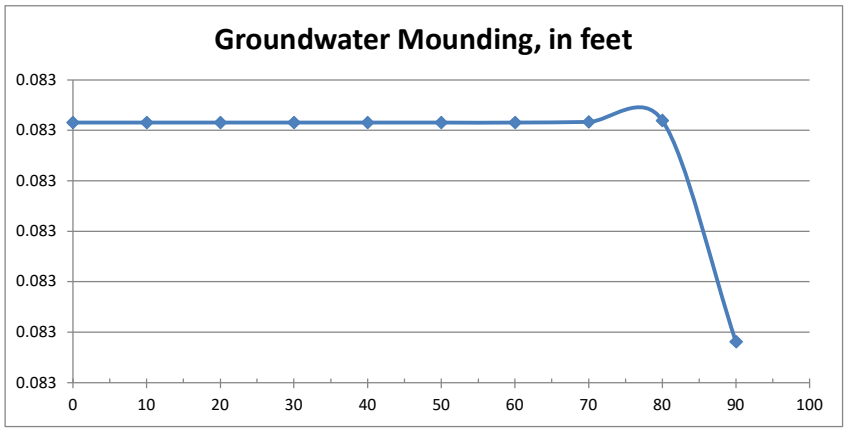
Input Values

0.50	*R*	Recharge rate (permeability rate) (in/hr)
		Specific yield, Sy (dimensionless)
0.150	Sy	default value is 0.15; max value is 0.2 provided that a lab test data is submitted
		Horizontal hydraulic conductivity (in/hr)
0.50	Kh	Kh = 5xRecharge Rate (R) in the costal plan; Kh=R outside the coastal plan
133.000	x	1/2 length of basin (x direction, in feet)
38.000	y	1/2 width of basin (y direction, in feet)
0.30	t	Duration of infiltration period (hours)
10.00	hi(0)	Initial thickness of saturated zone (feet)

10.083	h(max)	Maximum thickness of saturated zone (beneath center of basin at end of infiltration period)
0.083	Δh(max)	Maximum groundwater mounding (beneath center of basin at end of infiltration period)

Ground-water Mounding, in feet	Distance from center of basin in x direction, in feet
0.083	0
0.083	10
0.083	20
0.083	30
0.083	40
0.083	50
0.083	60
0.083	70
0.083	80
0.083	90

Re-Calculate Now



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Basin 52

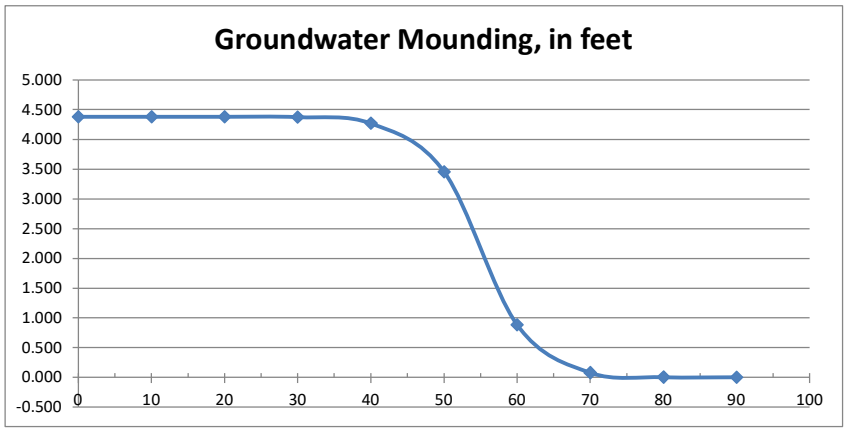
Input Values

0.50	*R*	Recharge rate (permeability rate) (in/hr)
		Specific yield, Sy (dimensionless)
0.150	Sy	default value is 0.15; max value is 0.2 provided that a lab test data is submitted
		Horizontal hydraulic conductivity (in/hr)
0.50	Kh	Kh = 5xRecharge Rate (R) in the costal plan; Kh=R outside the coastal plan
55.000	x	1/2 length of basin (x direction, in feet)
22.000	y	1/2 width of basin (y direction, in feet)
15.90	t	Duration of infiltration period (hours)
10.00	hi(0)	Initial thickness of saturated zone (feet)

14.381	h(max)	Maximum thickness of saturated zone (beneath center of basin at end of infiltration period)
4.381	Δh(max)	Maximum groundwater mounding (beneath center of basin at end of infiltration period)

Ground-water Mounding, in feet	Distance from center of basin in x direction, in feet
4.381	0
4.381	10
4.381	20
4.374	30
4.269	40
3.453	50
0.886	60
0.080	70
0.005	80
0.002	90

Re-Calculate Now



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Basin 53

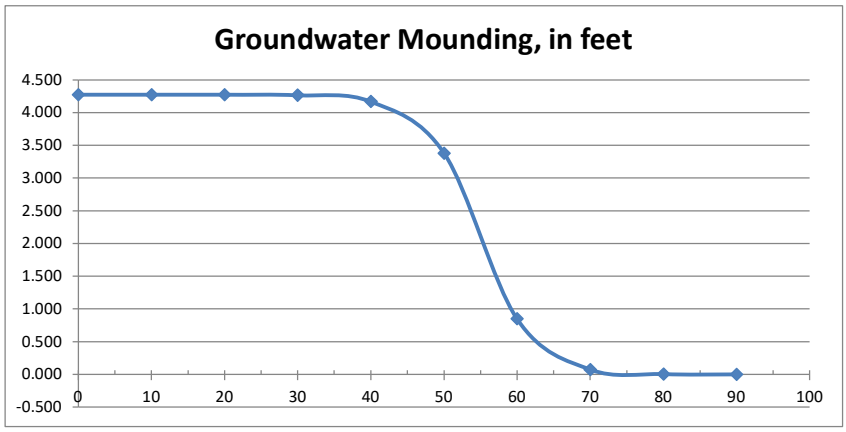
Input Values

0.50	*R*	Recharge rate (permeability rate) (in/hr)
		Specific yield, Sy (dimensionless)
0.150	Sy	default value is 0.15; max value is 0.2 provided that a lab test data is submitted
		Horizontal hydraulic conductivity (in/hr)
0.50	Kh	Kh = 5xRecharge Rate (R) in the costal plan; Kh=R outside the coastal plan
55.000	x	1/2 length of basin (x direction, in feet)
33.000	y	1/2 width of basin (y direction, in feet)
15.38	t	Duration of infiltration period (hours)
10.00	hi(0)	Initial thickness of saturated zone (feet)

14.272	h(max)	Maximum thickness of saturated zone (beneath center of basin at end of infiltration period)
4.272	Δh(max)	Maximum groundwater mounding (beneath center of basin at end of infiltration period)

Ground-water Mounding, in feet	Distance from center of basin in x direction, in feet
4.272	0
4.272	10
4.271	20
4.266	30
4.168	40
3.377	50
0.848	60
0.073	70
0.004	80
0.001	90

Re-Calculate Now



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Basin 54

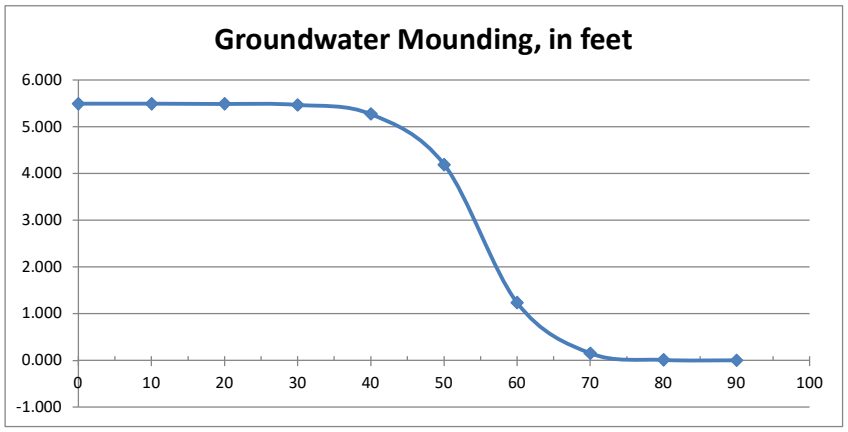
Input Values

0.50	*R*	Recharge rate (permeability rate) (in/hr)
		Specific yield, Sy (dimensionless)
0.150	Sy	default value is 0.15; max value is 0.2 provided that a lab test data is submitted
		Horizontal hydraulic conductivity (in/hr)
0.50	Kh	Kh = 5xRecharge Rate (R) in the costal plan; Kh=R outside the coastal plan
55.000	x	1/2 length of basin (x direction, in feet)
32.000	y	1/2 width of basin (y direction, in feet)
19.78	t	Duration of infiltration period (hours)
10.00	hi(0)	Initial thickness of saturated zone (feet)

15.488	h(max)	Maximum thickness of saturated zone (beneath center of basin at end of infiltration period)
5.488	Δh(max)	Maximum groundwater mounding (beneath center of basin at end of infiltration period)

Ground-water Mounding, in feet	Distance from center of basin in x direction, in feet
5.488	0
5.488	10
5.487	20
5.465	30
5.268	40
4.187	50
1.236	60
0.153	70
0.011	80
0.002	90

Re-Calculate Now



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Basin 55

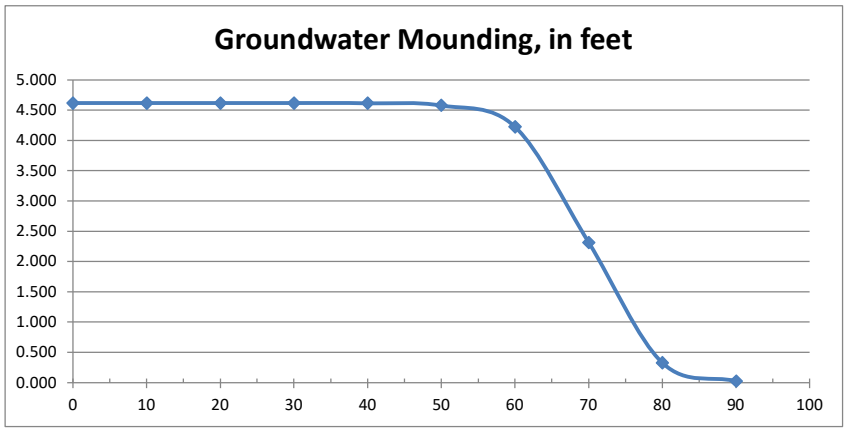
Input Values

0.50	*R*	Recharge rate (permeability rate) (in/hr)
		Specific yield, Sy (dimensionless)
0.150	Sy	default value is 0.15; max value is 0.2 provided that a lab test data is submitted
		Horizontal hydraulic conductivity (in/hr)
0.50	Kh	Kh = 5xRecharge Rate (R) in the costal plan; Kh=R outside the coastal plan
70.000	x	1/2 length of basin (x direction, in feet)
23.000	y	1/2 width of basin (y direction, in feet)
16.74	t	Duration of infiltration period (hours)
10.00	hi(0)	Initial thickness of saturated zone (feet)

14.616	h(max)	Maximum thickness of saturated zone (beneath center of basin at end of infiltration period)
4.616	Δh(max)	Maximum groundwater mounding (beneath center of basin at end of infiltration period)

Ground-water Mounding, in feet	Distance from center of basin in x direction, in feet
4.616	0
4.616	10
4.616	20
4.616	30
4.614	40
4.578	50
4.225	60
2.314	70
0.328	80
0.023	90

Re-Calculate Now



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Basin 56

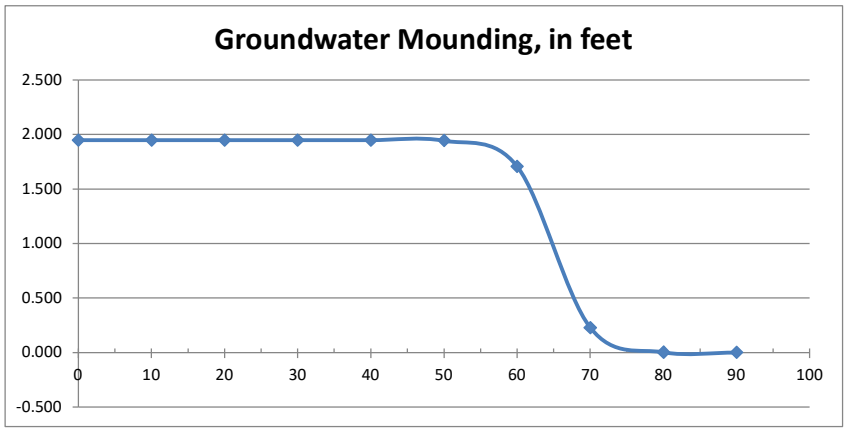
Input Values

0.50	*R*	Recharge rate (permeability rate) (in/hr)
		Specific yield, Sy (dimensionless)
0.150	Sy	default value is 0.15; max value is 0.2 provided that a lab test data is submitted
		Horizontal hydraulic conductivity (in/hr)
0.50	Kh	Kh = 5xRecharge Rate (R) in the costal plan; Kh=R outside the coastal plan
65.000	x	1/2 length of basin (x direction, in feet)
27.000	y	1/2 width of basin (y direction, in feet)
7.01	t	Duration of infiltration period (hours)
10.00	hi(0)	Initial thickness of saturated zone (feet)

11.947	h(max)	Maximum thickness of saturated zone (beneath center of basin at end of infiltration period)
1.947	Δh(max)	Maximum groundwater mounding (beneath center of basin at end of infiltration period)

Ground-water Mounding, in feet	Distance from center of basin in x direction, in feet
1.947	0
1.947	10
1.947	20
1.947	30
1.947	40
1.943	50
1.707	60
0.227	70
0.004	80
0.001	90

Re-Calculate Now



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Basin 57

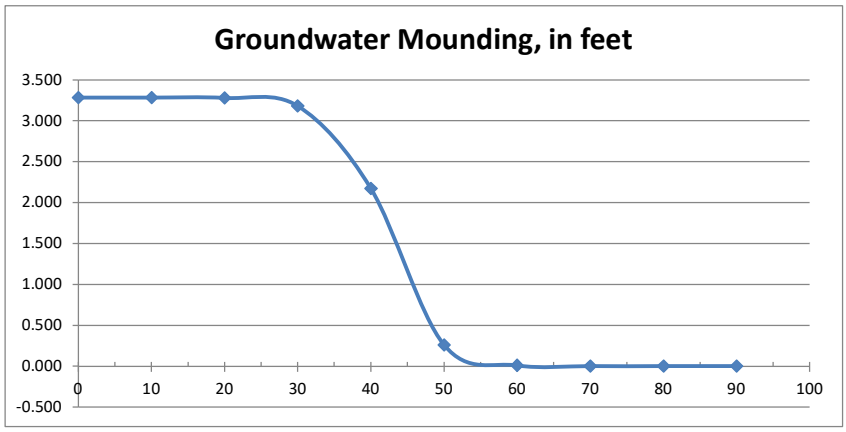
Input Values

0.50	*R*	Recharge rate (permeability rate) (in/hr)
		Specific yield, Sy (dimensionless)
0.150	Sy	default value is 0.15; max value is 0.2 provided that a lab test data is submitted
		Horizontal hydraulic conductivity (in/hr)
0.50	Kh	Kh = 5xRecharge Rate (R) in the costal plan; Kh=R outside the coastal plan
42.000	x	1/2 length of basin (x direction, in feet)
28.000	y	1/2 width of basin (y direction, in feet)
11.82	t	Duration of infiltration period (hours)
10.00	hi(0)	Initial thickness of saturated zone (feet)

13.283	h(max)	Maximum thickness of saturated zone (beneath center of basin at end of infiltration period)
3.283	Δh(max)	Maximum groundwater mounding (beneath center of basin at end of infiltration period)

Ground-water Mounding, in feet	Distance from center of basin in x direction, in feet
3.283	0
3.283	10
3.279	20
3.180	30
2.171	40
0.259	50
0.011	60
0.001	70
0.001	80
0.001	90

Re-Calculate Now



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Basin 58

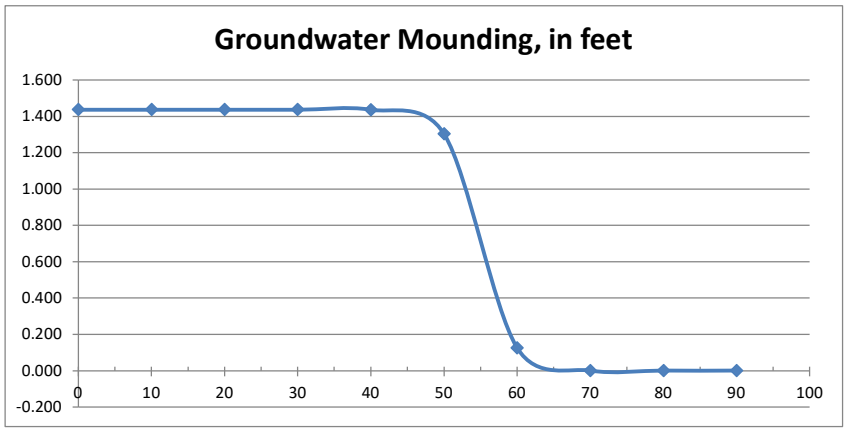
Input Values

0.50	*R*	Recharge rate (permeability rate) (in/hr)
		Specific yield, Sy (dimensionless)
0.150	Sy	default value is 0.15; max value is 0.2 provided that a lab test data is submitted
		Horizontal hydraulic conductivity (in/hr)
0.50	Kh	Kh = 5xRecharge Rate (R) in the costal plan; Kh=R outside the coastal plan
55.000	x	1/2 length of basin (x direction, in feet)
42.000	y	1/2 width of basin (y direction, in feet)
5.17	t	Duration of infiltration period (hours)
10.00	hi(0)	Initial thickness of saturated zone (feet)

11.436	h(max)	Maximum thickness of saturated zone (beneath center of basin at end of infiltration period)
1.436	Δh(max)	Maximum groundwater mounding (beneath center of basin at end of infiltration period)

Ground-water Mounding, in feet	Distance from center of basin in x direction, in feet
1.436	0
1.436	10
1.436	20
1.436	30
1.435	40
1.303	50
0.127	60
0.001	70
0.000	80
0.000	90

Re-Calculate Now



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APPENDIX 8
NOAA 14-POINT PRECIPITATION DATA

NOAA Atlas 14, Volume 2, Version 3
Location name: Titusville, New Jersey, USA*
Latitude: 40.2935°, Longitude: -74.8201°
Elevation: 208 ft**
* source: ESRI Maps
** source: USGS

POINT PRECIPITATION FREQUENCY ESTIMATES

G.M. Bonnin, D. Martin, B. Lin, T. Parzybok, M.Yekta, and D. Riley

NOAA, National Weather Service, Silver Spring, Maryland

PF_tabular | PF_graphical | Maps_&_aerials

DATE: JUNE 12, 2025

PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches)[1]

Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	**0.342** (0.310-0.377)	**0.408** (0.371-0.449)	**0.484** (0.438-0.533)	**0.540** (0.488-0.594)	**0.608** (0.546-0.670)	**0.658** (0.589-0.725)	**0.708** (0.630-0.782)	**0.754** (0.667-0.835)	**0.811** (0.711-0.904)	**0.856** (0.744-0.958)
10-min	**0.546** (0.496-0.602)	**0.652** (0.593-0.718)	**0.776** (0.702-0.854)	**0.863** (0.780-0.951)	**0.970** (0.871-1.07)	**1.05** (0.937-1.16)	**1.12** (1.00-1.24)	**1.20** (1.06-1.32)	**1.28** (1.12-1.43)	**1.35** (1.17-1.51)
15-min	**0.682** (0.620-0.752)	**0.819** (0.745-0.903)	**0.981** (0.888-1.08)	**1.09** (0.987-1.20)	**1.23** (1.10-1.35)	**1.33** (1.19-1.46)	**1.42** (1.26-1.57)	**1.51** (1.34-1.67)	**1.62** (1.42-1.80)	**1.69** (1.47-1.89)
30-min	**0.935** (0.849-1.03)	**1.13** (1.03-1.25)	**1.39** (1.26-1.54)	**1.58** (1.43-1.74)	**1.82** (1.64-2.00)	**2.00** (1.79-2.20)	**2.18** (1.94-2.40)	**2.35** (2.08-2.60)	**2.57** (2.25-2.86)	**2.74** (2.38-3.07)
60-min	**1.17** (1.06-1.29)	**1.42** (1.29-1.56)	**1.79** (1.62-1.97)	**2.06** (1.86-2.27)	**2.42** (2.18-2.67)	**2.71** (2.42-2.98)	**3.00** (2.67-3.31)	**3.29** (2.91-3.65)	**3.69** (3.23-4.11)	**4.00** (3.48-4.48)
2-hr	**1.41** (1.28-1.56)	**1.72** (1.56-1.90)	**2.17** (1.96-2.40)	**2.52** (2.27-2.78)	**3.00** (2.69-3.30)	**3.39** (3.02-3.73)	**3.78** (3.35-4.18)	**4.19** (3.69-4.64)	**4.76** (4.14-5.30)	**5.21** (4.48-5.83)
3-hr	**1.55** (1.40-1.72)	**1.89** (1.71-2.10)	**2.39** (2.15-2.66)	**2.78** (2.50-3.09)	**3.33** (2.97-3.69)	**3.77** (3.34-4.18)	**4.23** (3.72-4.70)	**4.71** (4.11-5.25)	**5.38** (4.63-6.03)	**5.92** (5.04-6.67)
6-hr	**1.96** (1.77-2.18)	**2.38** (2.15-2.65)	**3.00** (2.70-3.34)	**3.51** (3.14-3.90)	**4.24** (3.77-4.71)	**4.85** (4.28-5.38)	**5.51** (4.81-6.12)	**6.21** (5.36-6.92)	**7.23** (6.13-8.10)	**8.08** (6.76-9.10)
12-hr	**2.37** (2.15-2.66)	**2.88** (2.60-3.22)	**3.65** (3.30-4.08)	**4.32** (3.87-4.81)	**5.30** (4.70-5.89)	**6.15** (5.41-6.85)	**7.08** (6.15-7.89)	**8.12** (6.94-9.08)	**9.66** (8.09-10.9)	**11.0** (9.04-12.4)
24-hr	**2.75** (2.54-2.99)	**3.32** (3.06-3.62)	**4.21** (3.88-4.59)	**4.97** (4.56-5.41)	**6.10** (5.55-6.62)	**7.06** (6.38-7.66)	**8.12** (7.27-8.82)	**9.28** (8.23-10.1)	**11.0** (9.61-12.0)	**12.5** (10.7-13.7)
2-day	**3.18** (2.93-3.47)	**3.85** (3.54-4.20)	**4.89** (4.49-5.34)	**5.76** (5.27-6.28)	**7.01** (6.38-7.63)	**8.08** (7.29-8.79)	**9.23** (8.27-10.0)	**10.5** (9.30-11.4)	**12.3** (10.8-13.5)	**13.9** (12.0-15.2)
3-day	**3.37** (3.11-3.67)	**4.07** (3.76-4.44)	**5.14** (4.74-5.60)	**6.03** (5.54-6.56)	**7.30** (6.67-7.93)	**8.37** (7.60-9.08)	**9.52** (8.58-10.3)	**10.8** (9.62-11.7)	**12.6** (11.1-13.7)	**14.0** (12.3-15.4)
4-day	**3.56** (3.29-3.86)	**4.30** (3.98-4.67)	**5.40** (4.99-5.86)	**6.30** (5.81-6.83)	**7.60** (6.96-8.22)	**8.67** (7.90-9.37)	**9.81** (8.89-10.6)	**11.0** (9.93-11.9)	**12.8** (11.4-13.9)	**14.2** (12.6-15.5)
7-day	**4.17** (3.86-4.53)	**5.00** (4.63-5.43)	**6.20** (5.74-6.73)	**7.20** (6.64-7.80)	**8.62** (7.91-9.33)	**9.80** (8.95-10.6)	**11.0** (10.0-11.9)	**12.4** (11.2-13.4)	**14.3** (12.8-15.5)	**15.9** (14.1-17.3)
10-day	**4.75** (4.43-5.12)	**5.68** (5.29-6.12)	**6.94** (6.45-7.48)	**7.96** (7.39-8.57)	**9.39** (8.68-10.1)	**10.6** (9.72-11.4)	**11.8** (10.8-12.7)	**13.0** (11.9-14.0)	**14.8** (13.4-16.0)	**16.2** (14.6-17.6)
20-day	**6.42** (6.03-6.83)	**7.61** (7.16-8.11)	**9.10** (8.54-9.68)	**10.3** (9.63-10.9)	**11.8** (11.1-12.6)	**13.1** (12.2-13.9)	**14.3** (13.3-15.2)	**15.6** (14.4-16.6)	**17.3** (15.9-18.5)	**18.6** (17.0-19.9)
30-day	**7.99** (7.56-8.44)	**9.42** (8.92-9.95)	**11.0** (10.4-11.6)	**12.3** (11.6-12.9)	**13.9** (13.1-14.6)	**15.1** (14.2-15.9)	**16.3** (15.3-17.2)	**17.5** (16.4-18.5)	**19.1** (17.7-20.2)	**20.2** (18.7-21.5)
45-day	**10.2** (9.68-10.7)	**12.0** (11.4-12.6)	**13.8** (13.1-14.5)	**15.2** (14.4-15.9)	**16.9** (16.0-17.8)	**18.2** (17.2-19.2)	**19.5** (18.4-20.5)	**20.6** (19.4-21.8)	**22.1** (20.7-23.3)	**23.2** (21.7-24.5)
60-day	**12.2** (11.6-12.8)	**14.3** (13.6-15.0)	**16.3** (15.6-17.1)	**17.8** (17.0-18.7)	**19.7** (18.8-20.7)	**21.1** (20.1-22.2)	**22.4** (21.3-23.5)	**23.6** (22.4-24.8)	**25.1** (23.7-26.4)	**26.1** (24.6-27.6)

[1] Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

Please refer to NOAA Atlas 14 document for more information.

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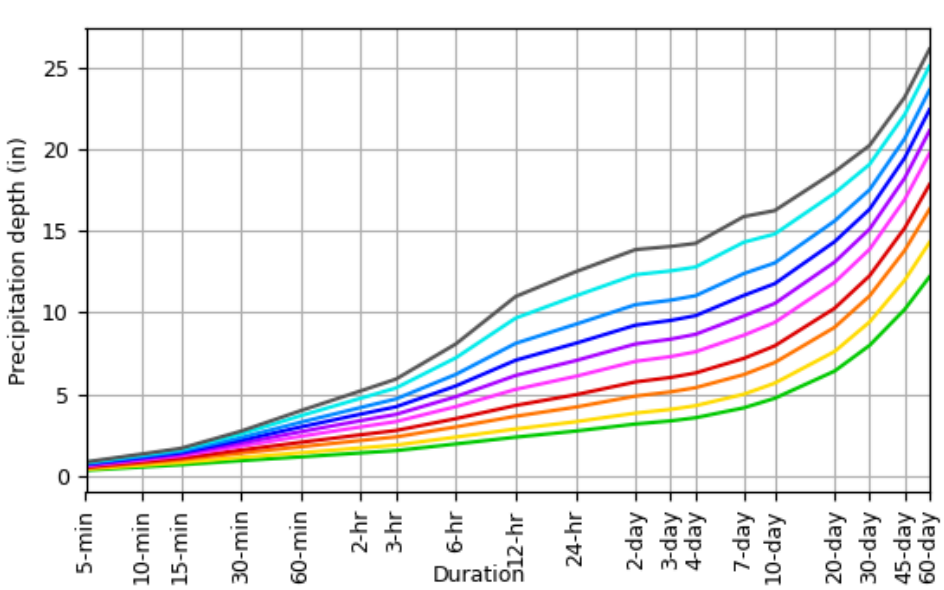
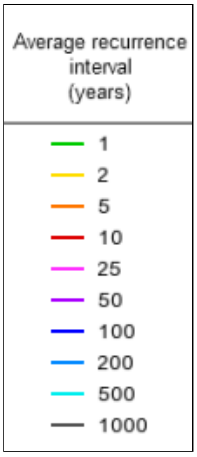
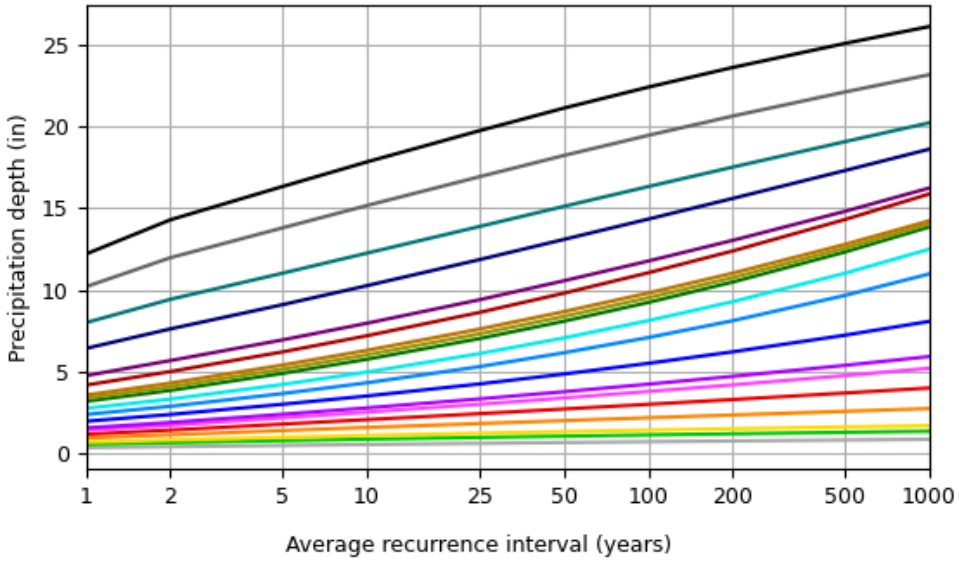
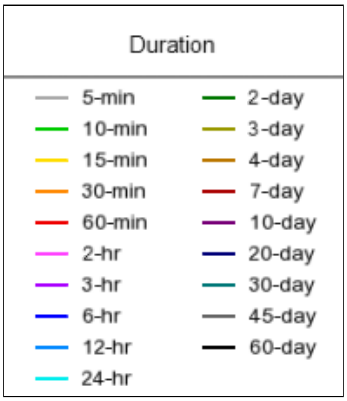
PF graphical

PDS-based depth-duration-frequency (DDF) curves
Latitude: 40.2935°, Longitude: -74.8201°









NOAA Atlas 14, Volume 2, Version 3

Created (GMT): Thu Jun 12 20:03:55 2025

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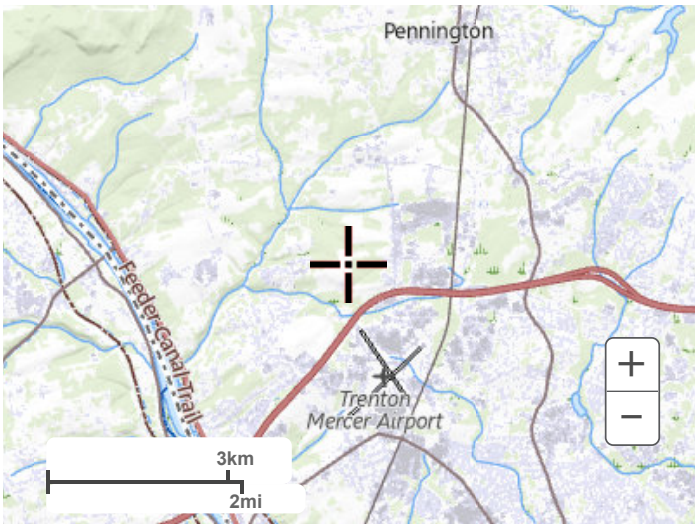
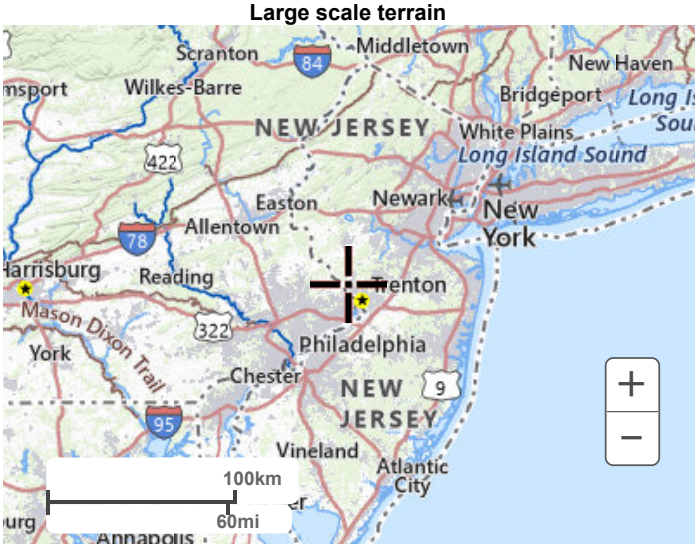
Maps & aerials

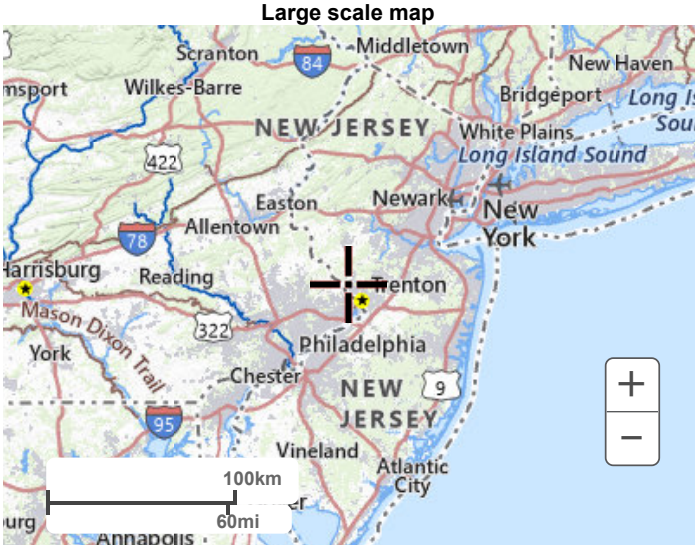
Small scale terrain



Large scale terrain



Large scale map



Large scale aerial

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US Department of Commerce
National Oceanic and Atmospheric Administration
National Weather Service
National Water Center
1325 East West Highway
Silver Spring, MD 20910
Questions?: HDSC.Questions@noaa.gov

Disclaimer

APPENDIX 9
RIP-RAP APRON AND SCOUR HOLE CALCULATIONS

Bowman

Riprap Apron Calculations

Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JDR
Checked By:
Date: 7/22/2025

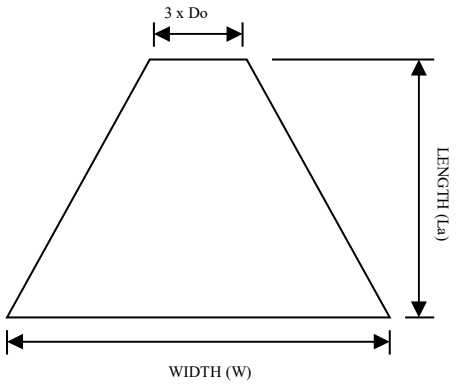
BASIN 1

HW A275 (508)

Criteria: N.J. Soil Erosion and Sediment Control Standards

INPUT

Q = 3.30 cfs	25-yr storm
Pipe size, D(o) = 15 in	
Pipe Width, W(o) = 15 in	
q = 2.64 cfs/ft	
1/2 D(o) = 7.5 in	
0.2*D(o) = 0.3 ft	
Tailwater, Tw = 1.23 ft	(from pond w.s.e.)
Use Tw = 1.23 ft	
Is apron confined? (yes/no) -	no



OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 7.08 ft

Use La = 8 ft (Extend to toe of slope)

W = 3Wo + 0.4La
= 6.58 ft

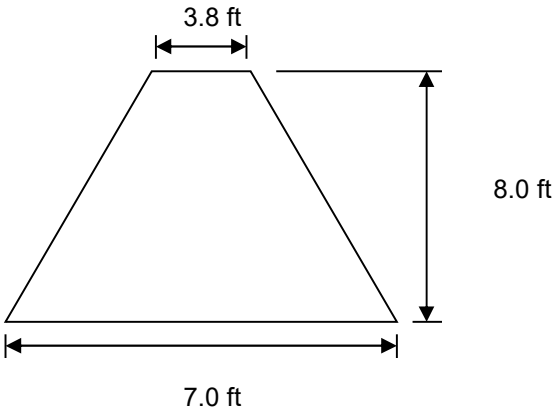
Use W = 7 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 0.6 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric



Bowman

Riprap Apron Calculations

Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: AG
Checked By:
Date: 1/2/2025

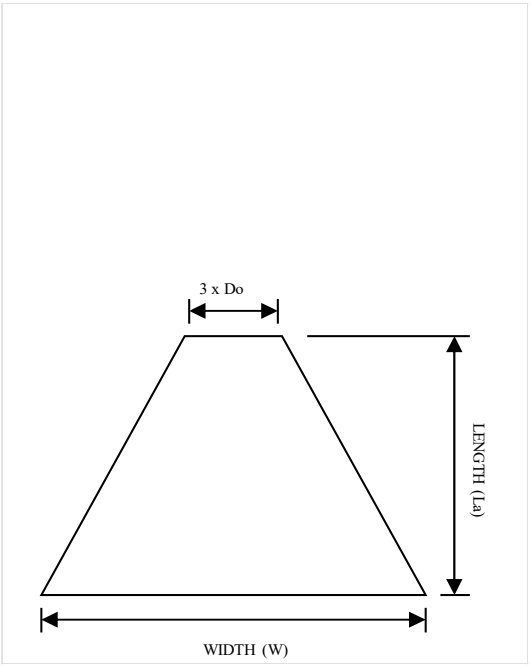
BASIN 2

HW 7

Criteria: N.J. Soil Erosion and Sediment Control Standards

INPUT

Q = 8.36 cfs	25-yr storm
Pipe size, D(o) = 15 in	
Pipe Width, W(o) = 15 in	
q = 6.69 cfs/ft	
1/2 D(o) = 7.5 in	
0.2*D(o) = 0.3 ft	
Tailwater, Tw = 1.23 ft	(from pond w.s.e.)
Use Tw = 1.23 ft	
Is apron confined? (yes/no) -	no



OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 17.95 ft

Use La = 18 ft (Extend to toe of slope)

W = 3Wo + 0.4La
= 10.93 ft

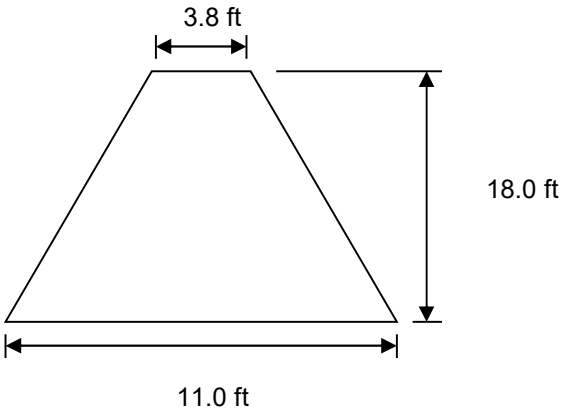
Use W = 11 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 2.0 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric



Bowman

Riprap Apron Calculations

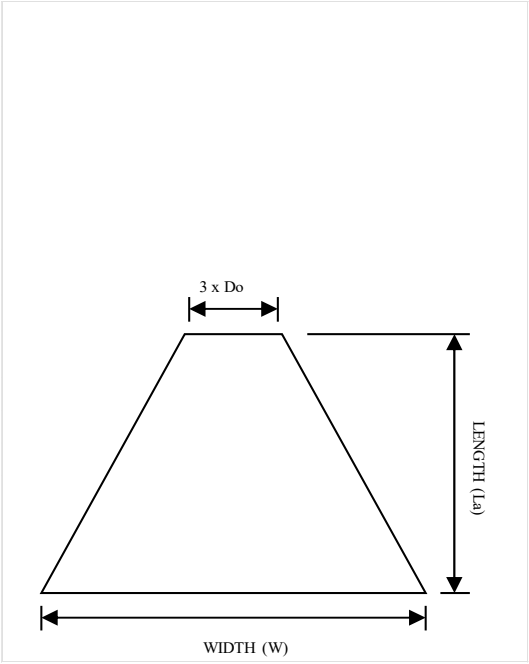
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JDR
Checked By:
Date: 7/22/2025

BASIN 3

HW 43

Criteria: N.J. Soil Erosion and Sediment Control Standards



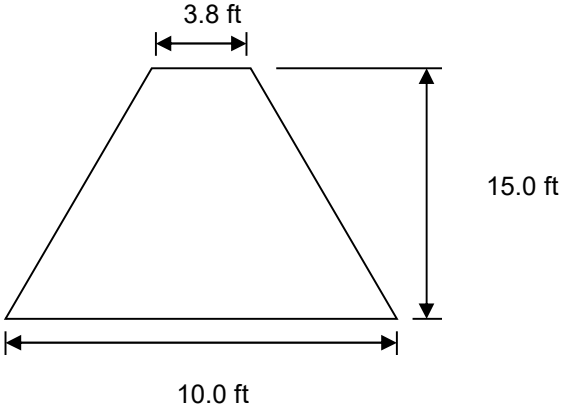
INPUT

Q = 6.87 cfs	25-yr storm
Pipe size, D(o) = 15 in	
Pipe Width, W(o) = 15 in	
q = 5.50 cfs/ft	
1/2 D(o) = 7.5 in	
0.2*D(o) = 0.3 ft	
Tailwater, Tw = 1.50 ft	(from pond w.s.e.)
Use Tw = 1.50 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 14.75 ft

Use La = 15 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 9.65 ft

Use W = 10 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 1.2 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

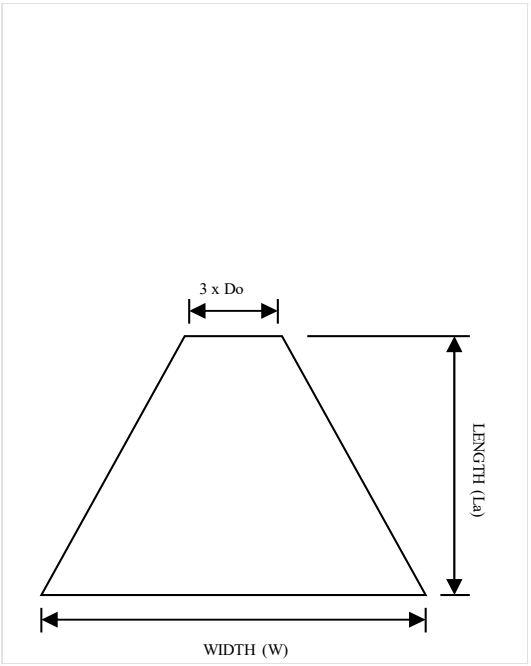
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JDR
Checked By:
Date: 7/22/2025

BASIN 5

HW A275 (510)

Criteria: N.J. Soil Erosion and Sediment Control Standards



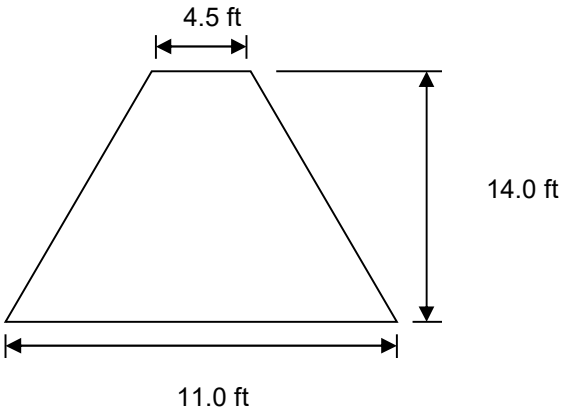
INPUT

Q = 8.50 cfs	25-yr storm
Pipe size, D(o) = 18 in	
Pipe Width, W(o) = 18 in	
q = 5.67 cfs/ft	
1/2 D(o) = 9.0 in	
0.2*D(o) = 0.3 ft	
Tailwater, Tw = 2.58 ft	(from pond w.s.e.)
Use Tw = 2.58 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 13.88 ft

Use La = 14 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 10.05 ft

Use W = 11 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 0.8 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

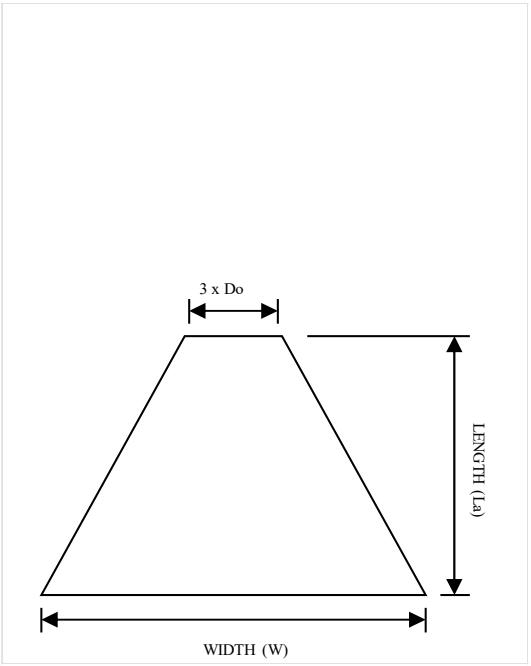
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JDR
Checked By:
Date: 7/22/2025

BASIN 5

HW A275 (512)

Criteria: N.J. Soil Erosion and Sediment Control Standards



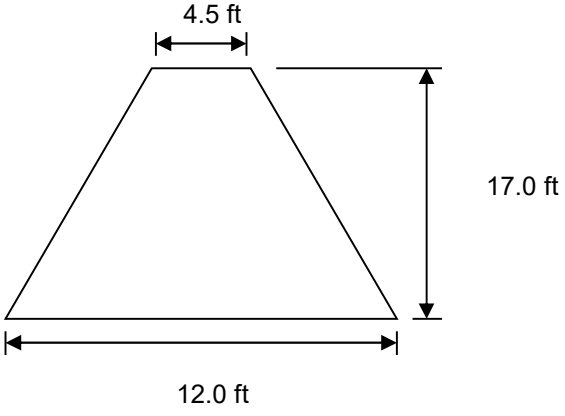
INPUT

Q = 10.38 cfs	25-yr storm
Pipe size, D(o) = 18 in	
Pipe Width, W(o) = 18 in	
q = 6.92 cfs/ft	
1/2 D(o) = 9.0 in	
0.2*D(o) = 0.3 ft	
Tailwater, Tw = 2.70 ft	(from pond w.s.e.)
Use Tw = 1.50 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 16.95 ft

Use La = 17 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 11.28 ft

Use W = 12 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 1.7 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

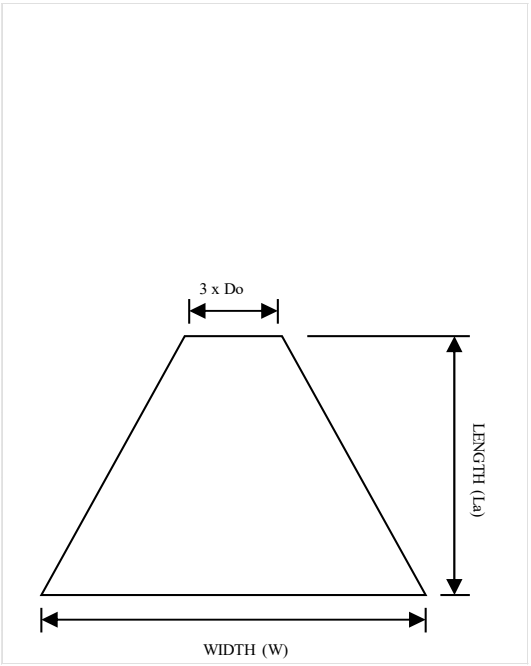
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 8

HW 27

Criteria: N.J. Soil Erosion and Sediment Control Standards



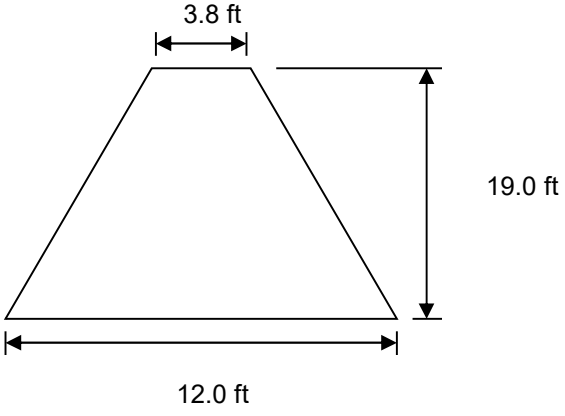
INPUT

Q = 8.61 cfs	25-yr storm
Pipe size, D(o) = 15 in	
Pipe Width, W(o) = 15 in	
q = 6.89 cfs/ft	
1/2 D(o) = 7.5 in	
0.2*D(o) = 0.3 ft	
Tailwater, Tw = 0.79 ft	(from pond w.s.e.)
Use Tw = 0.79 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 18.48 ft

Use La = 19 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 11.14 ft

Use W = 12 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 3.2 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

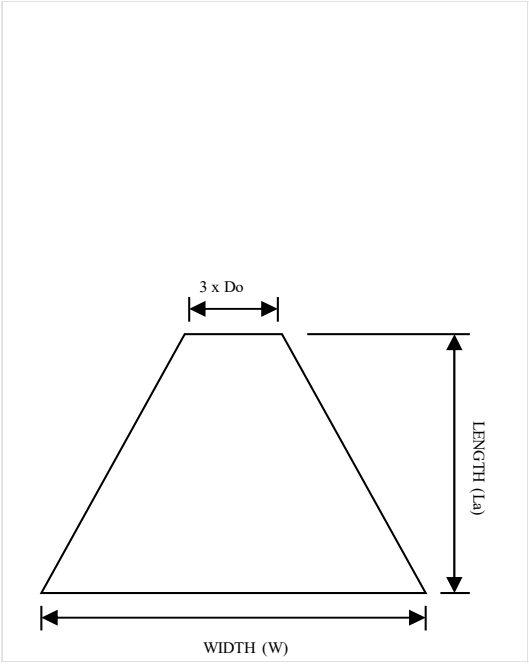
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 9

HW 16

Criteria: N.J. Soil Erosion and Sediment Control Standards



INPUT

Q = 7.06 cfs	25-yr storm
Pipe size, D(o) = 30 in	
Pipe Width, W(o) = 30 in	
q = 2.82 cfs/ft	
1/2 D(o) = 15.0 in	
0.2*D(o) = 0.5 ft	
Tailwater, Tw = 0.93 ft	(from pond w.s.e.)
Use Tw = 0.93 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW<1/2*Do, La = 1.8q/Do^(1/2) + 7Do
= 20.71 ft

Use La = 21 ft (Extend to toe of slope)

W = 3Wo + La
= 28.21 ft

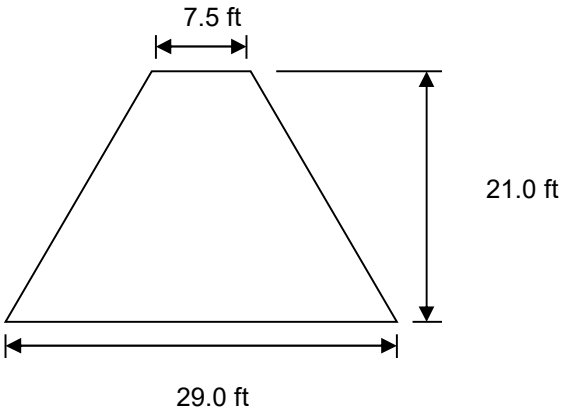
Use W = 29 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 0.8 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric



Bowman

Riprap Apron Calculations

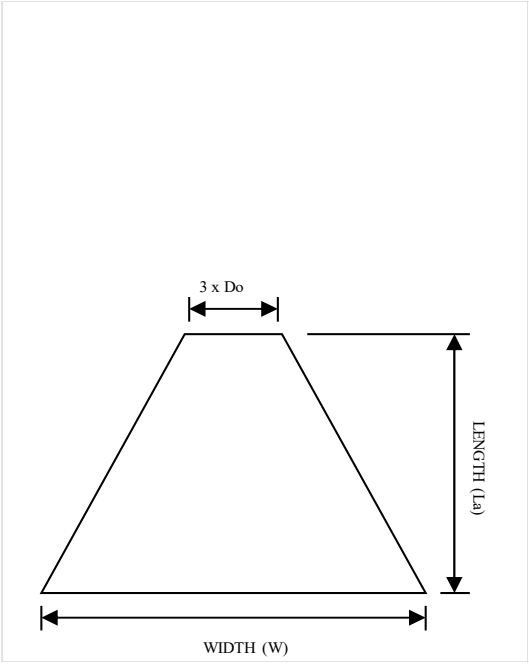
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 10

HW 53

Criteria: N.J. Soil Erosion and Sediment Control Standards



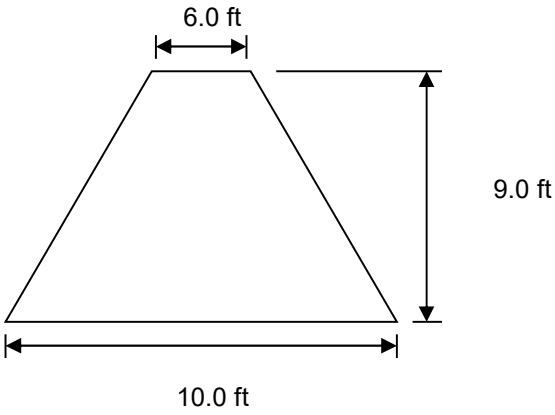
INPUT

Q = 7.99 cfs	25-yr storm
Pipe size, D(o) = 24 in	
Pipe Width, W(o) = 24 in	
q = 4.00 cfs/ft	
1/2 D(o) = 12.0 in	
0.2*D(o) = 0.4 ft	
Tailwater, Tw = 1.62 ft	(from pond w.s.e.)
Use Tw = 1.62 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 8.47 ft

Use La = 9 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 9.39 ft

Use W = 10 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 0.8 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

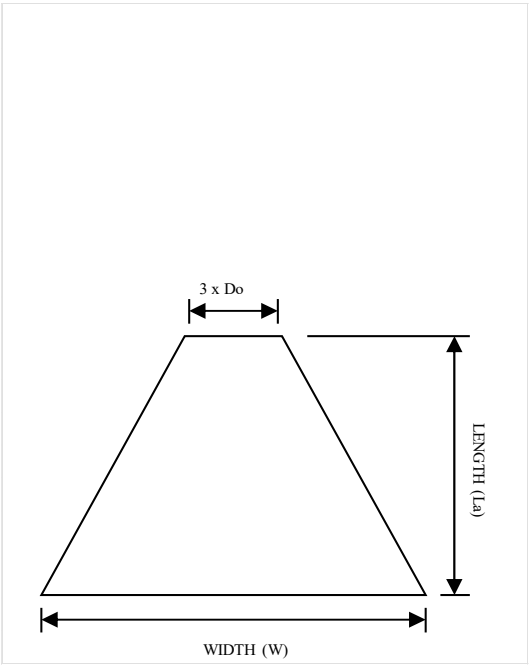
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 11

HW A275(356)

Criteria: N.J. Soil Erosion and Sediment Control Standards



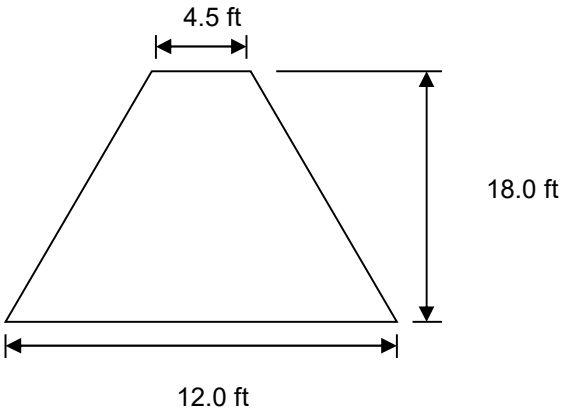
INPUT

Q = 10.72 cfs	25-yr storm
Pipe size, D(o) = 18 in	
Pipe Width, W(o) = 18 in	
q = 7.15 cfs/ft	
1/2 D(o) = 9.0 in	
0.2*D(o) = 0.3 ft	
Tailwater, Tw = 3.25 ft	(from pond w.s.e.)
Use Tw = 3.25 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 17.51 ft

Use La = 18 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 11.50 ft

Use W = 12 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 0.8 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

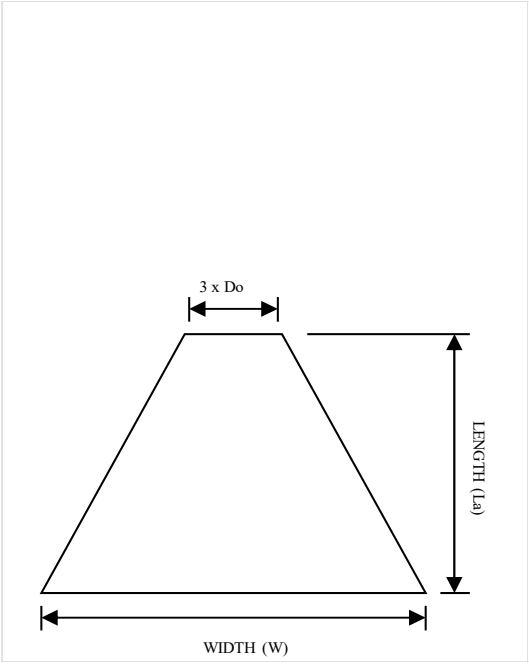
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 12

HW 154

Criteria: N.J. Soil Erosion and Sediment Control Standards



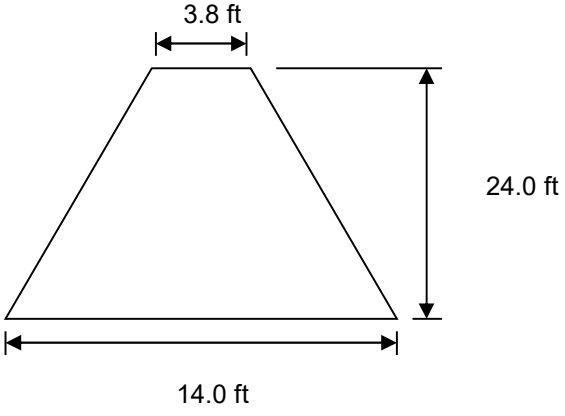
INPUT

Q = 11.02 cfs	25-yr storm
Pipe size, D(o) = 15 in	
Pipe Width, W(o) = 15 in	
q = 8.82 cfs/ft	
1/2 D(o) = 7.5 in	
0.2*D(o) = 0.3 ft	
Tailwater, Tw = 2.02 ft	(from pond w.s.e.)
Use Tw = 2.02 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 23.66 ft

Use La = 24 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 13.21 ft

Use W = 14 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 1.7 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

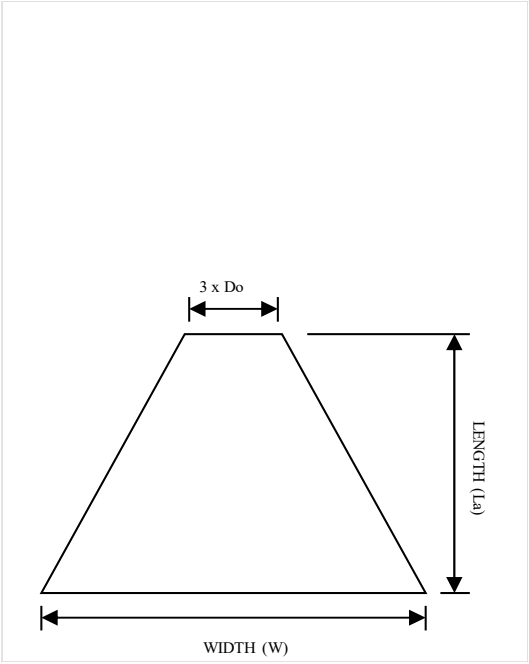
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 12

HW 90

Criteria: N.J. Soil Erosion and Sediment Control Standards



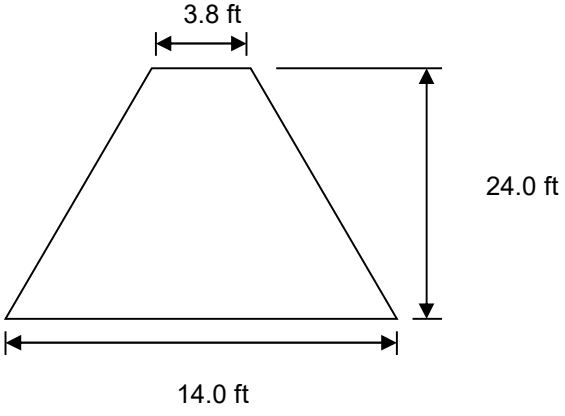
INPUT

Q = 11.02 cfs	25-yr storm
Pipe size, D(o) = 15 in	
Pipe Width, W(o) = 15 in	
q = 8.82 cfs/ft	
1/2 D(o) = 7.5 in	
0.2*D(o) = 0.3 ft	
Tailwater, Tw = 2.02 ft	(from pond w.s.e.)
Use Tw = 2.02 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 23.66 ft

Use La = 24 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 13.21 ft

Use W = 14 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 1.7 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

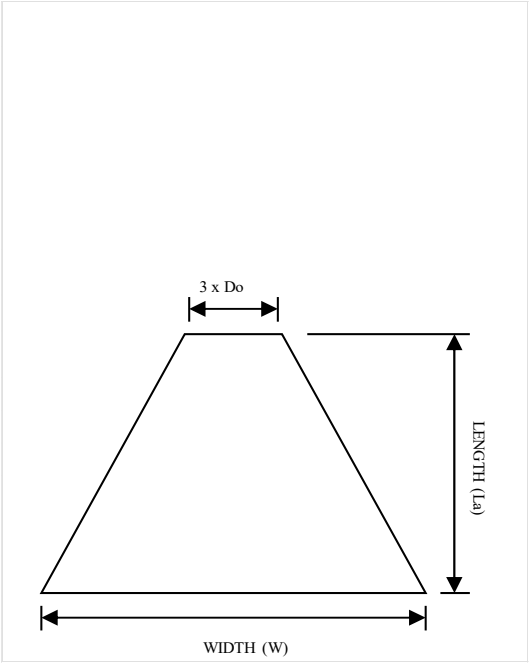
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 13

HW 87

Criteria: N.J. Soil Erosion and Sediment Control Standards



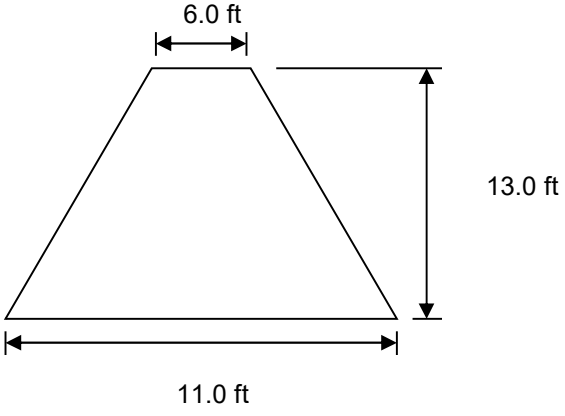
INPUT

Q = 11.48 cfs	25-yr storm
Pipe size, D(o) = 24 in	
Pipe Width, W(o) = 24 in	
q = 5.74 cfs/ft	
1/2 D(o) = 12.0 in	
0.2*D(o) = 0.4 ft	
Tailwater, Tw = 1.99 ft	(from pond w.s.e.)
Use Tw = 1.99 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 12.18 ft

Use La = 13 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 10.87 ft

Use W = 11 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 1.0 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

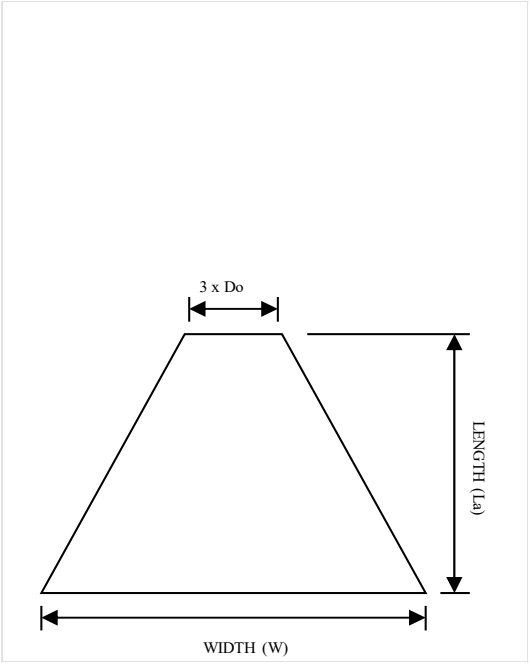
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 14

HW 103

Criteria: N.J. Soil Erosion and Sediment Control Standards



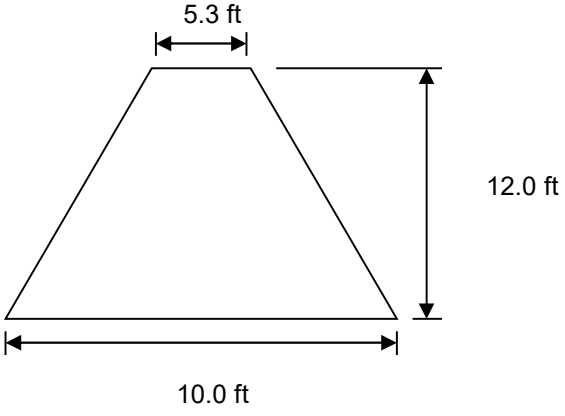
INPUT

Q = 8.88 cfs	25-yr storm
Pipe size, D(o) = 21 in	
Pipe Width, W(o) = 21 in	
q = 5.07 cfs/ft	
1/2 D(o) = 10.5 in	
0.2*D(o) = 0.4 ft	
Tailwater, Tw = 1.50 ft	(from pond w.s.e.)
Use Tw = 1.50 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 11.51 ft

Use La = 12 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 9.85 ft

Use W = 10 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 1.1 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

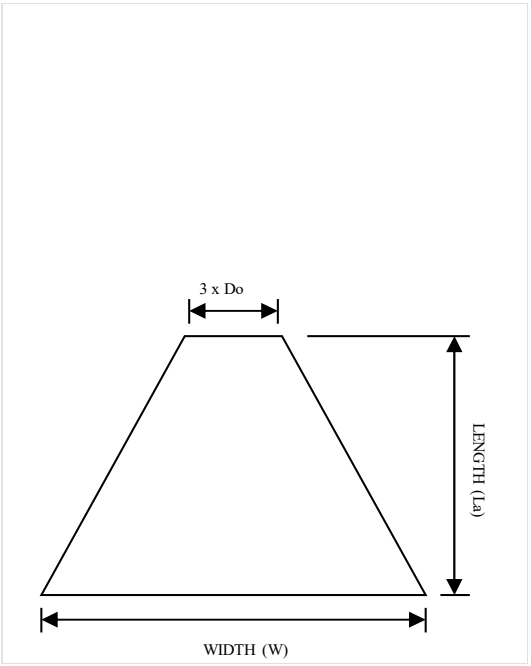
BASIN 15

HW 111

Criteria: N.J. Soil Erosion and Sediment Control Standards

INPUT

Q = 11.39 cfs	25-yr storm
Pipe size, D(o) = 30 in	
Pipe Width, W(o) = 30 in	
q = 4.56 cfs/ft	
1/2 D(o) = 15.0 in	
0.2*D(o) = 0.5 ft	
Tailwater, Tw = 2.73 ft	(from pond w.s.e.)
Use Tw = 2.73 ft	
Is apron confined? (yes/no) -	no



OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 8.64 ft

Use La = 9 ft (Extend to toe of slope)

W = 3Wo + 0.4La
= 10.96 ft

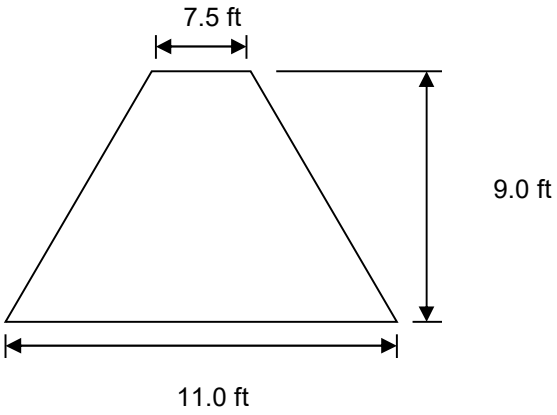
Use W = 11 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 0.5 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric



Bowman

Riprap Apron Calculations

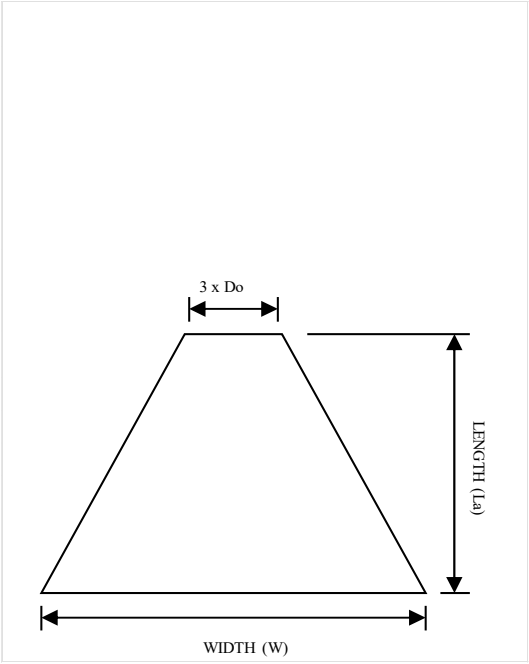
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 16A

HW 67

Criteria: N.J. Soil Erosion and Sediment Control Standards



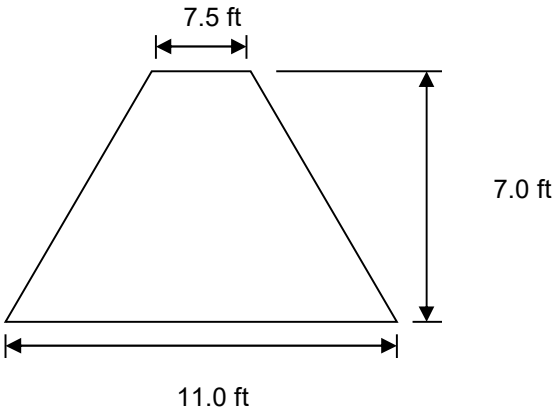
INPUT

Q = 8.55 cfs	25-yr storm
Pipe size, D(o) = 30 in	
Pipe Width, W(o) = 30 in	
q = 3.42 cfs/ft	
1/2 D(o) = 15.0 in	
0.2*D(o) = 0.5 ft	
Tailwater, Tw = 1.91 ft	(from pond w.s.e.)
Use Tw = 1.91 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 6.49 ft

Use La = 7 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 10.10 ft

Use W = 11 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 0.5 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

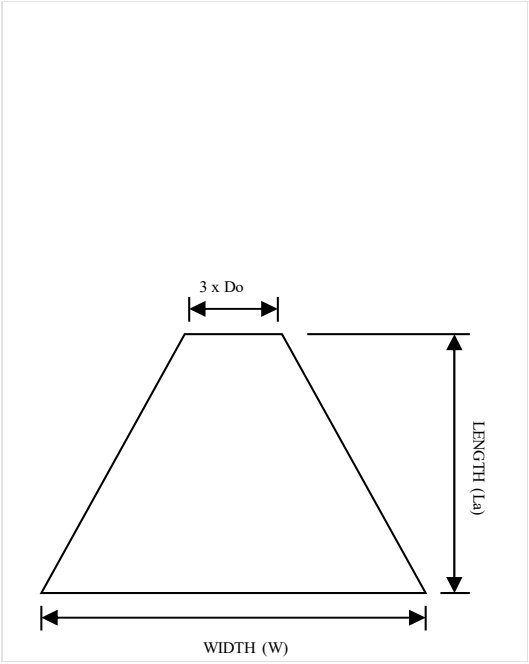
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 16B

HW 654

Criteria: N.J. Soil Erosion and Sediment Control Standards



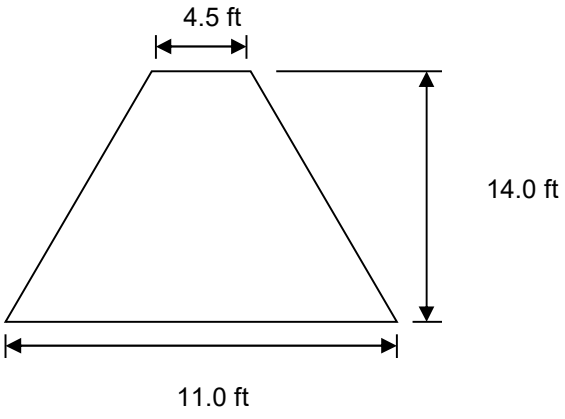
INPUT

Q = 8.49 cfs	25-yr storm
Pipe size, D(o) = 18 in	
Pipe Width, W(o) = 18 in	
q = 5.66 cfs/ft	
1/2 D(o) = 9.0 in	
0.2*D(o) = 0.3 ft	
Tailwater, Tw = 1.92 ft	(from pond w.s.e.)
Use Tw = 1.92 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 13.86 ft

Use La = 14 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 10.05 ft

Use W = 11 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 1.0 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

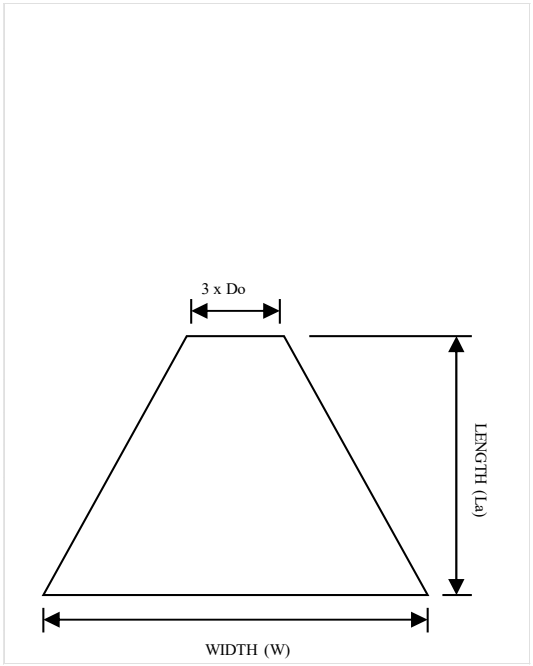
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 17A

HW 660

Criteria: N.J. Soil Erosion and Sediment Control Standards



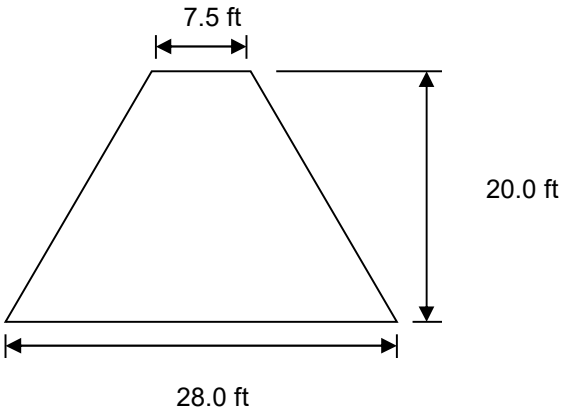
INPUT

Q = 5.24 cfs	25-yr storm
Pipe size, D(o) = 30 in	
Pipe Width, W(o) = 30 in	
q = 2.10 cfs/ft	
1/2 D(o) = 15.0 in	
0.2*D(o) = 0.5 ft	
Tailwater, Tw = 0.89 ft	(from pond w.s.e.)
Use Tw = 0.89 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW<1/2*Do, La = 1.8q/Do^(1/2) + 7Do
= 19.89 ft

Use La = 20 ft (Extend to toe of slope)



W = 3Wo + La
= 27.39 ft

Use W = 28 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 0.6 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

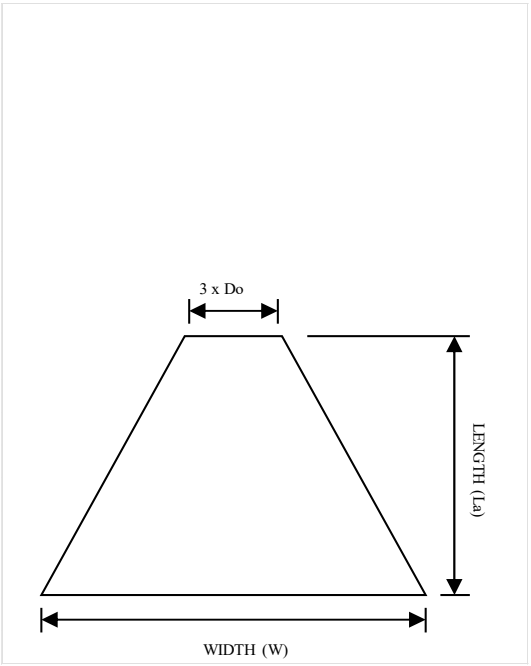
BASIN 17B

HW 142

Criteria: N.J. Soil Erosion and Sediment Control Standards

INPUT

Q = 6.09 cfs	25-yr storm
Pipe size, D(o) = 15 in	
Pipe Width, W(o) = 15 in	
q = 4.87 cfs/ft	
1/2 D(o) = 7.5 in	
0.2*D(o) = 0.3 ft	
Tailwater, Tw = 0.93 ft	(from pond w.s.e.)
Use Tw = 0.93 ft	
Is apron confined? (yes/no) -	no



OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 13.07 ft

Use La = 14 ft (Extend to toe of slope)

W = 3Wo + 0.4La
= 8.98 ft

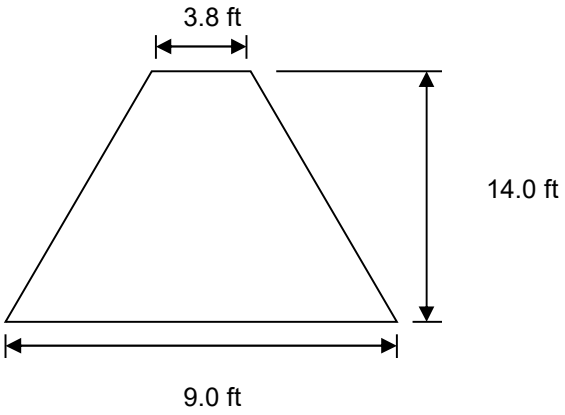
Use W = 9 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 1.7 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric



Bowman

Riprap Apron Calculations

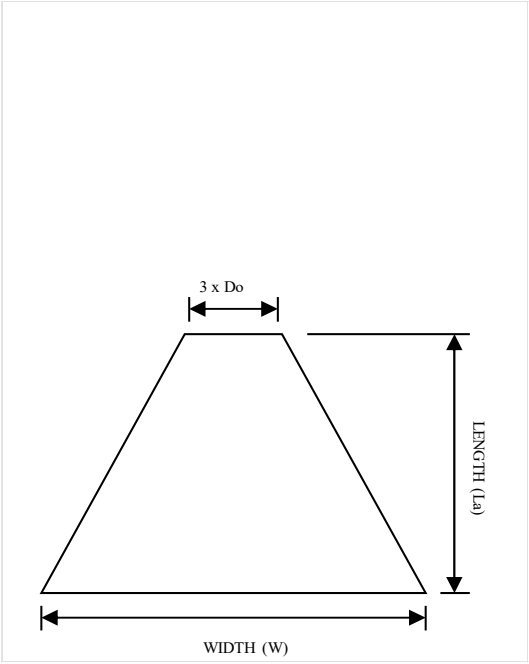
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 18

HW 378

Criteria: N.J. Soil Erosion and Sediment Control Standards



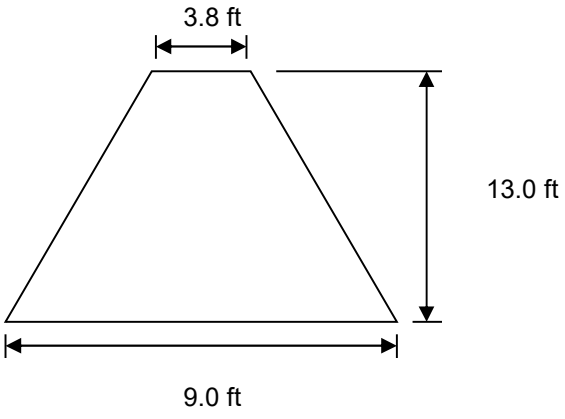
INPUT

Q = 6.05 cfs	25-yr storm
Pipe size, D(o) = 15 in	
Pipe Width, W(o) = 15 in	
q = 4.84 cfs/ft	
1/2 D(o) = 7.5 in	
0.2*D(o) = 0.3 ft	
Tailwater, Tw = 3.34 ft	(from pond w.s.e.)
Use Tw = 3.34 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 12.99 ft

Use La = 13 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 8.94 ft

Use W = 9 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 0.5 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

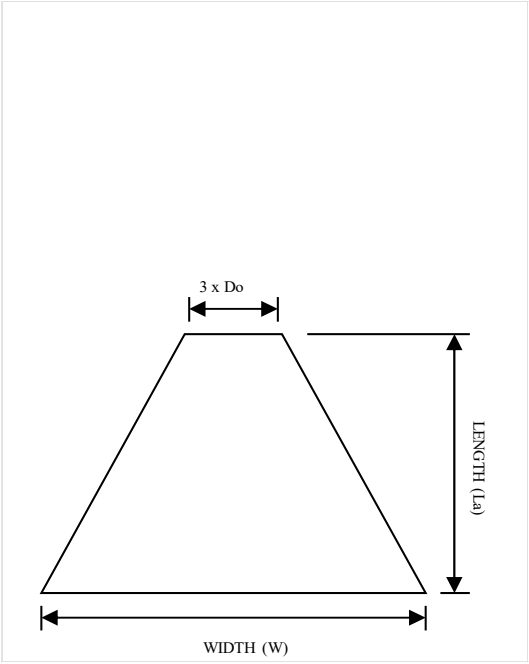
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 19

HW 374

Criteria: N.J. Soil Erosion and Sediment Control Standards



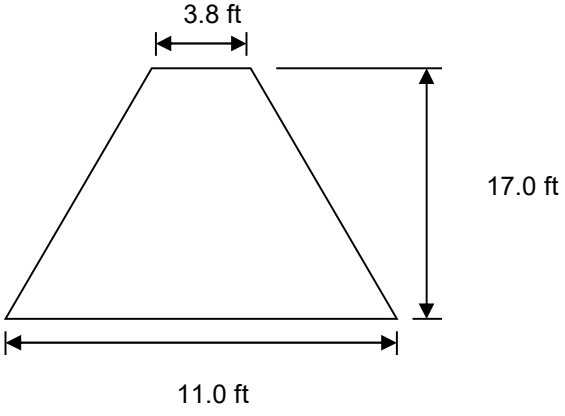
INPUT

Q = 7.46 cfs	25-yr storm
Pipe size, D(o) = 15 in	
Pipe Width, W(o) = 15 in	
q = 5.97 cfs/ft	
1/2 D(o) = 7.5 in	
0.2*D(o) = 0.3 ft	
Tailwater, Tw = 2.83 ft	(from pond w.s.e.)
Use Tw = 2.83 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 16.01 ft

Use La = 17 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 10.16 ft

Use W = 11 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 0.7 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

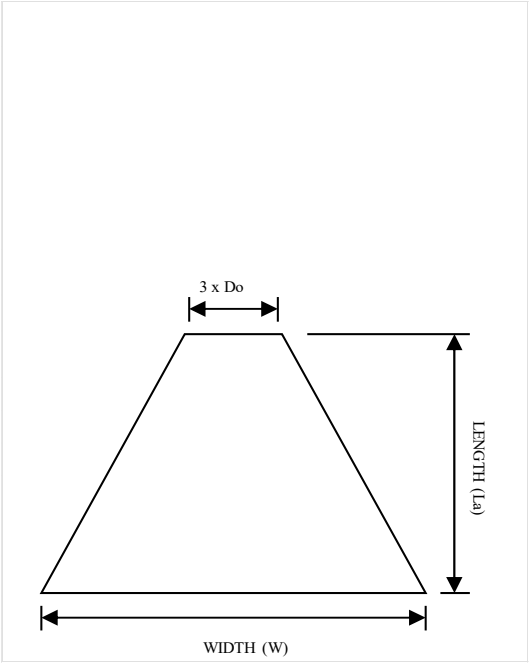
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 19

HW 370

Criteria: N.J. Soil Erosion and Sediment Control Standards



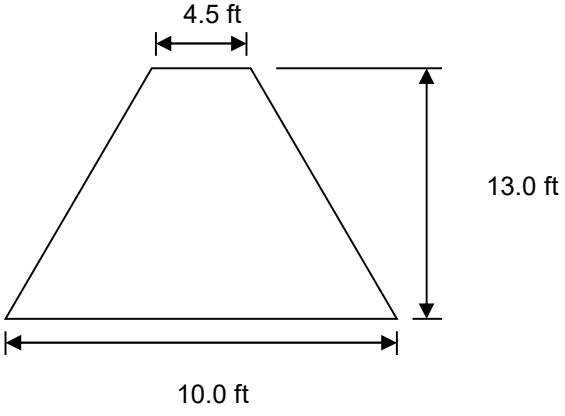
INPUT

Q = 7.46 cfs	25-yr storm
Pipe size, D(o) = 18 in	
Pipe Width, W(o) = 18 in	
q = 4.97 cfs/ft	
1/2 D(o) = 9.0 in	
0.2*D(o) = 0.3 ft	
Tailwater, Tw = 2.83 ft	(from pond w.s.e.)
Use Tw = 2.83 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 12.18 ft

Use La = 13 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 9.37 ft

Use W = 10 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 0.6 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

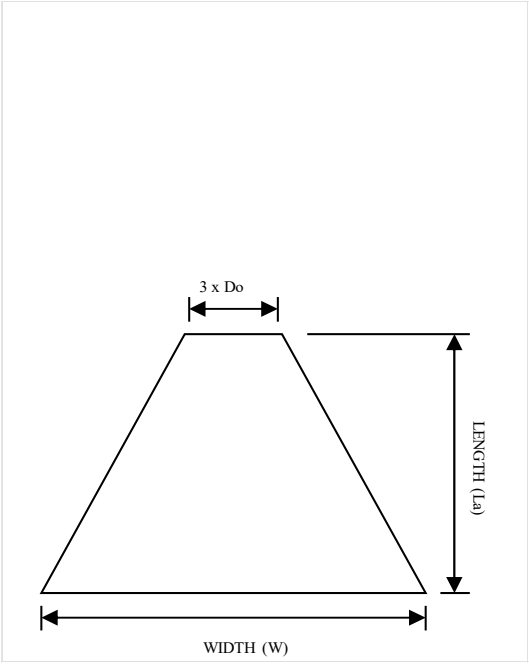
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 20

HW 394

Criteria: N.J. Soil Erosion and Sediment Control Standards



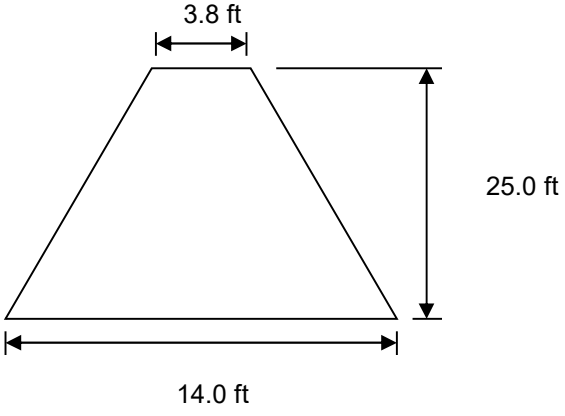
INPUT

Q = 11.21 cfs	25-yr storm
Pipe size, D(o) = 15 in	
Pipe Width, W(o) = 15 in	
q = 8.97 cfs/ft	
1/2 D(o) = 7.5 in	
0.2*D(o) = 0.3 ft	
Tailwater, Tw = 1.90 ft	(from pond w.s.e.)
Use Tw = 1.90 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 24.06 ft

Use La = 25 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 13.38 ft

Use W = 14 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 1.9 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

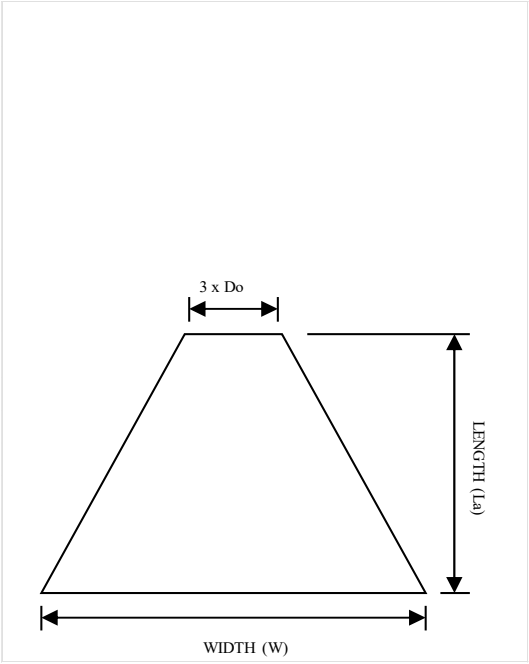
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 21

HW 609

Criteria: N.J. Soil Erosion and Sediment Control Standards



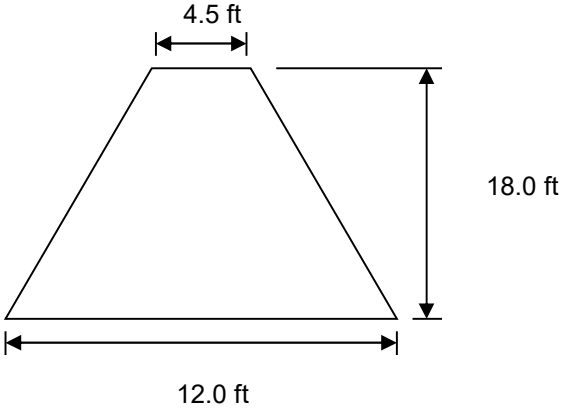
INPUT

Q = 10.90 cfs	25-yr storm
Pipe size, D(o) = 18 in	
Pipe Width, W(o) = 18 in	
q = 7.27 cfs/ft	
1/2 D(o) = 9.0 in	
0.2*D(o) = 0.3 ft	
Tailwater, Tw = 2.33 ft	(from pond w.s.e.)
Use Tw = 2.33 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 17.80 ft

Use La = 18 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 11.62 ft

Use W = 12 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 1.2 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

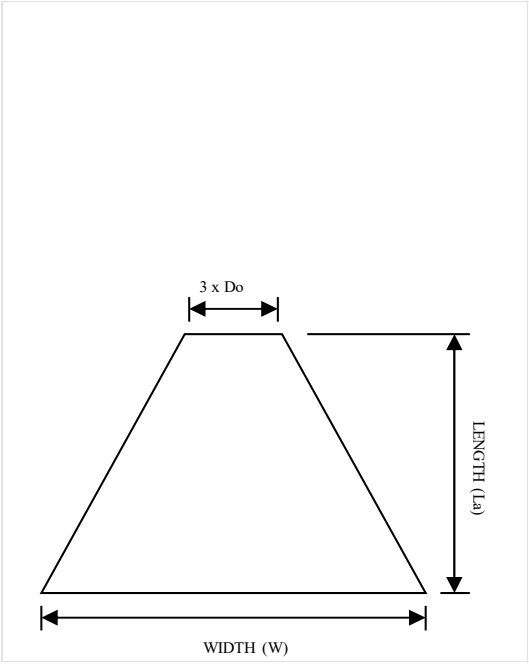
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 22

HW 422

Criteria: N.J. Soil Erosion and Sediment Control Standards



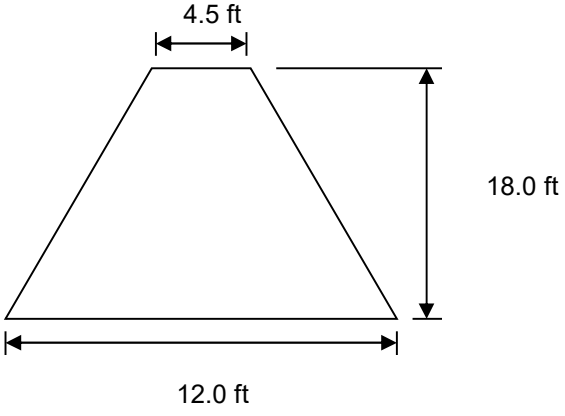
INPUT

Q = 10.61 cfs	25-yr storm
Pipe size, D(o) = 18 in	
Pipe Width, W(o) = 18 in	
q = 7.07 cfs/ft	
1/2 D(o) = 9.0 in	
0.2*D(o) = 0.3 ft	
Tailwater, Tw = 1.47 ft	(from pond w.s.e.)
Use Tw = 1.47 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 17.33 ft

Use La = 18 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 11.43 ft

Use W = 12 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 1.8 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

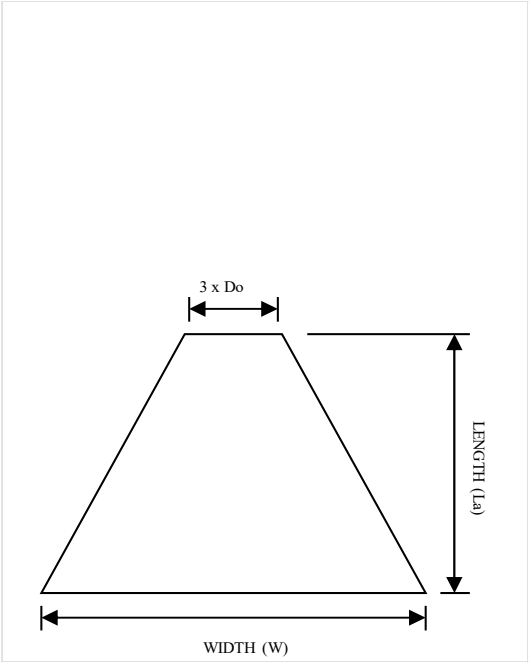
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 23

HW 525

Criteria: N.J. Soil Erosion and Sediment Control Standards



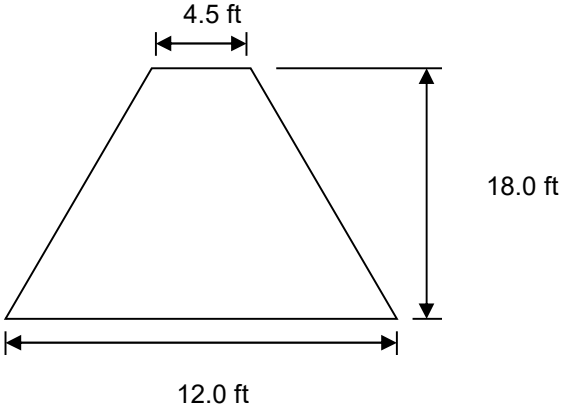
INPUT

Q = 10.59 cfs	25-yr storm
Pipe size, D(o) = 18 in	
Pipe Width, W(o) = 18 in	
q = 7.06 cfs/ft	
1/2 D(o) = 9.0 in	
0.2*D(o) = 0.3 ft	
Tailwater, Tw = 1.53 ft	(from pond w.s.e.)
Use Tw = 1.53 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 17.29 ft

Use La = 18 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 11.42 ft

Use W = 12 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 1.7 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

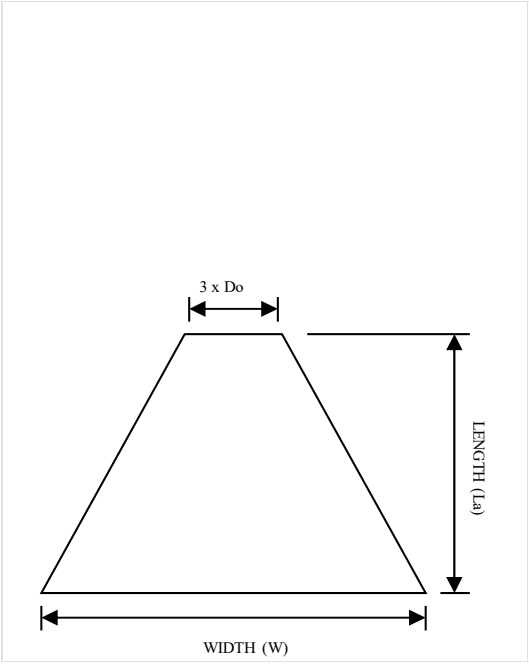
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 24

HW 601

Criteria: N.J. Soil Erosion and Sediment Control Standards



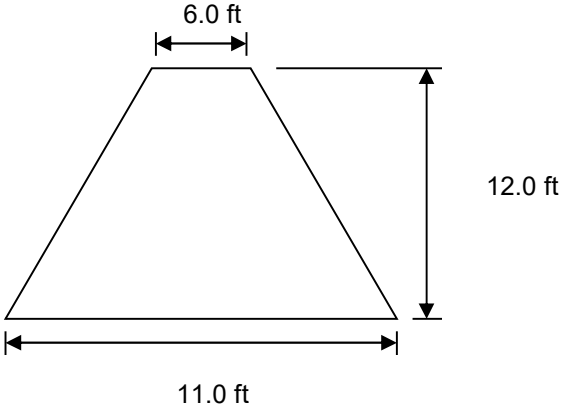
INPUT

Q = 10.60 cfs	25-yr storm
Pipe size, D(o) = 24 in	
Pipe Width, W(o) = 24 in	
q = 5.30 cfs/ft	
1/2 D(o) = 12.0 in	
0.2*D(o) = 0.4 ft	
Tailwater, Tw = 1.14 ft	(from pond w.s.e.)
Use Tw = 1.14 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 11.24 ft

Use La = 12 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 10.50 ft

Use W = 11 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 1.6 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

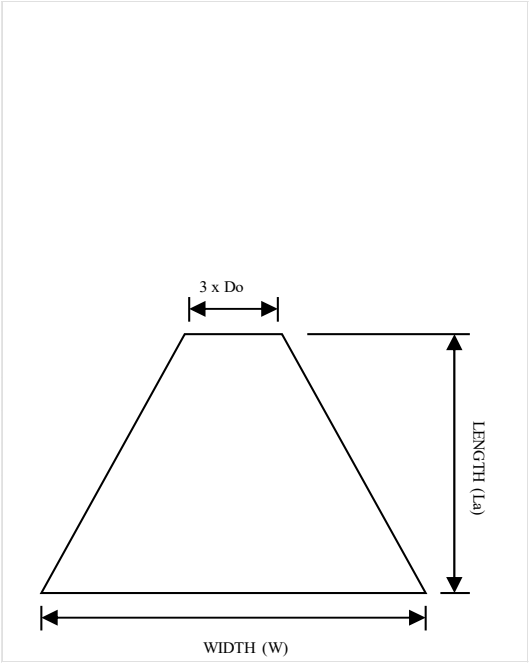
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 25

HW 597

Criteria: N.J. Soil Erosion and Sediment Control Standards



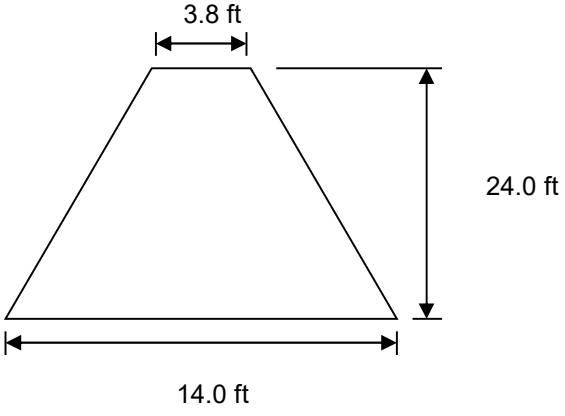
INPUT

Q = 10.88 cfs	25-yr storm
Pipe size, D(o) = 15 in	
Pipe Width, W(o) = 15 in	
q = 8.70 cfs/ft	
1/2 D(o) = 7.5 in	
0.2*D(o) = 0.3 ft	
Tailwater, Tw = 1.80 ft	(from pond w.s.e.)
Use Tw = 1.80 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 23.36 ft

Use La = 24 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 13.09 ft

Use W = 14 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 1.9 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

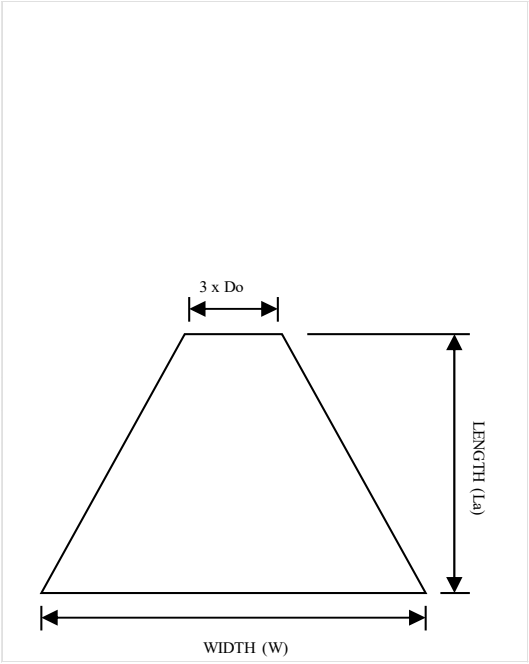
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 26

HW 483

Criteria: N.J. Soil Erosion and Sediment Control Standards



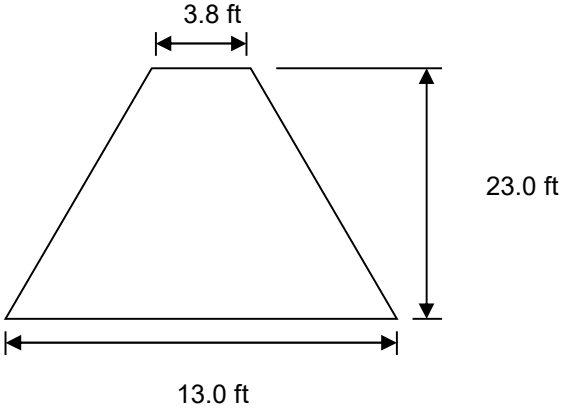
INPUT

Q = 10.52 cfs	25-yr storm
Pipe size, D(o) = 15 in	
Pipe Width, W(o) = 15 in	
q = 8.42 cfs/ft	
1/2 D(o) = 7.5 in	
0.2*D(o) = 0.3 ft	
Tailwater, Tw = 2.01 ft	(from pond w.s.e.)
Use Tw = 2.01 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 22.58 ft

Use La = 23 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 12.78 ft

Use W = 13 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 1.6 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

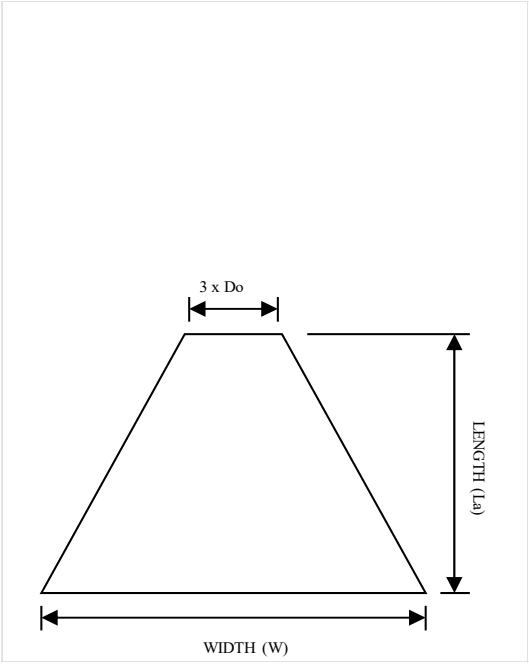
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 27

HW 535

Criteria: N.J. Soil Erosion and Sediment Control Standards



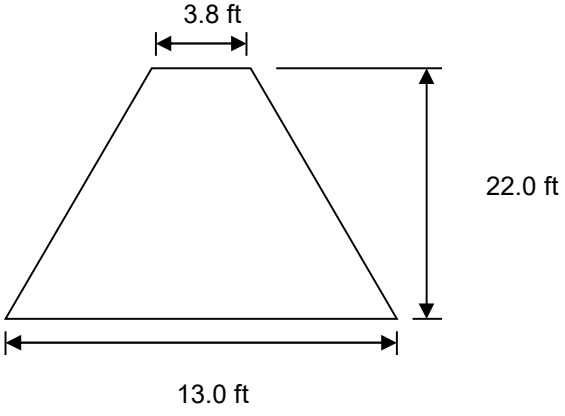
INPUT

Q = 10.10 cfs	25-yr storm
Pipe size, D(o) = 15 in	
Pipe Width, W(o) = 15 in	
q = 8.08 cfs/ft	
1/2 D(o) = 7.5 in	
0.2*D(o) = 0.3 ft	
Tailwater, Tw = 3.99 ft	(from pond w.s.e.)
Use Tw = 3.99 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 21.68 ft

Use La = 22 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 12.42 ft

Use W = 13 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 0.8 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

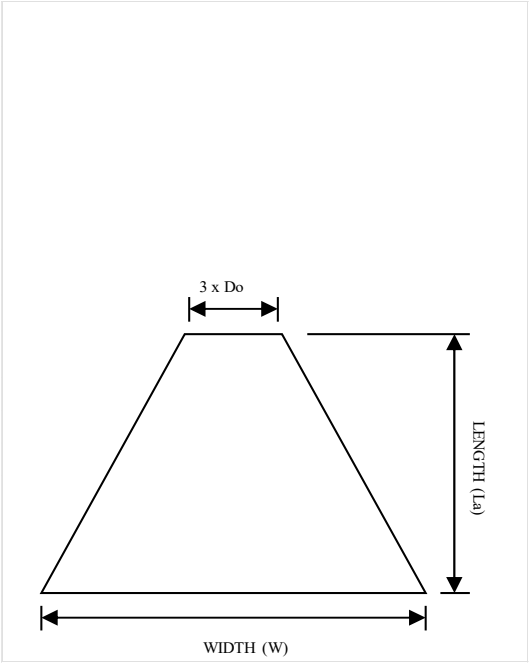
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 28

HW 574

Criteria: N.J. Soil Erosion and Sediment Control Standards



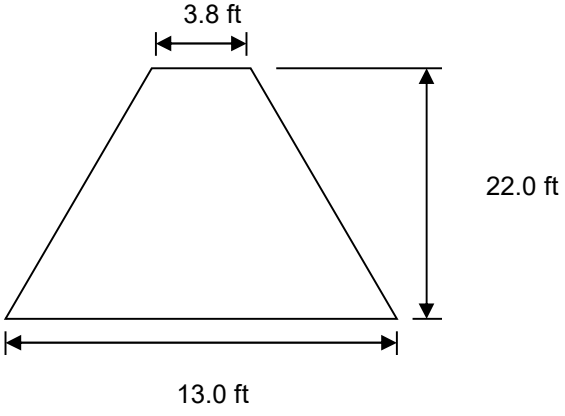
INPUT

Q = 10.15 cfs	25-yr storm
Pipe size, D(o) = 15 in	
Pipe Width, W(o) = 15 in	
q = 8.12 cfs/ft	
1/2 D(o) = 7.5 in	
0.2*D(o) = 0.3 ft	
Tailwater, Tw = 2.54 ft	(from pond w.s.e.)
Use Tw = 2.54 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 21.79 ft

Use La = 22 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 12.47 ft

Use W = 13 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 1.2 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

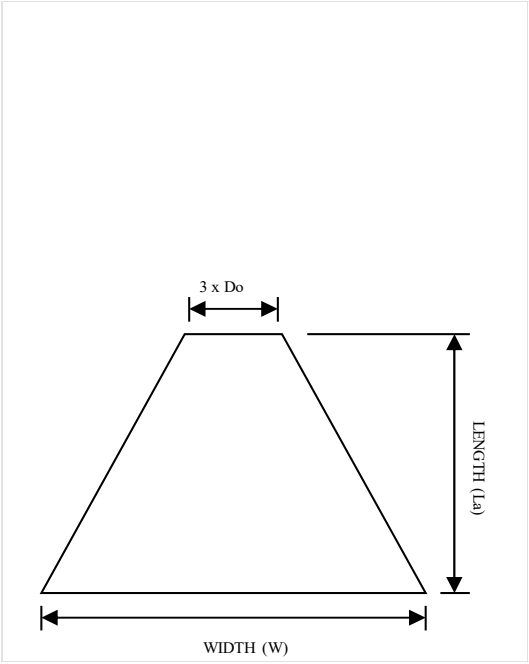
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 28

HW 575

Criteria: N.J. Soil Erosion and Sediment Control Standards



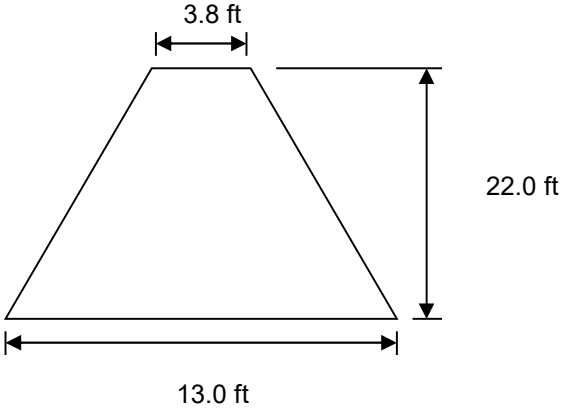
INPUT

Q = 10.15 cfs	25-yr storm
Pipe size, D(o) = 15 in	
Pipe Width, W(o) = 15 in	
q = 8.12 cfs/ft	
1/2 D(o) = 7.5 in	
0.2*D(o) = 0.3 ft	
Tailwater, Tw = 2.54 ft	(from pond w.s.e.)
Use Tw = 2.54 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 21.79 ft

Use La = 22 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 12.47 ft

Use W = 13 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 1.2 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

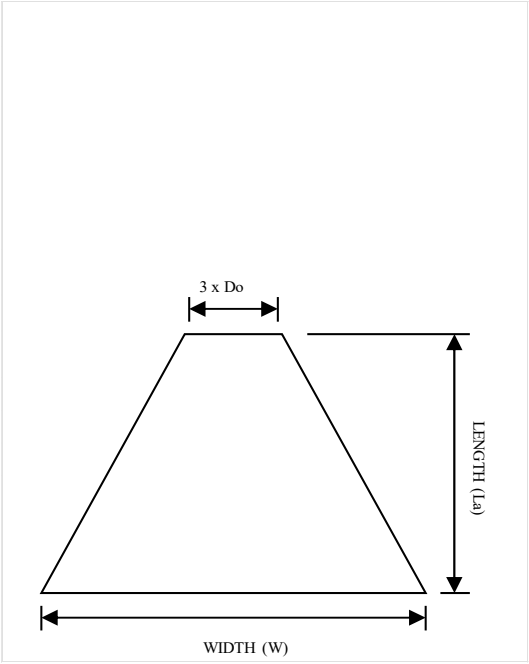
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 29

HW 467

Criteria: N.J. Soil Erosion and Sediment Control Standards



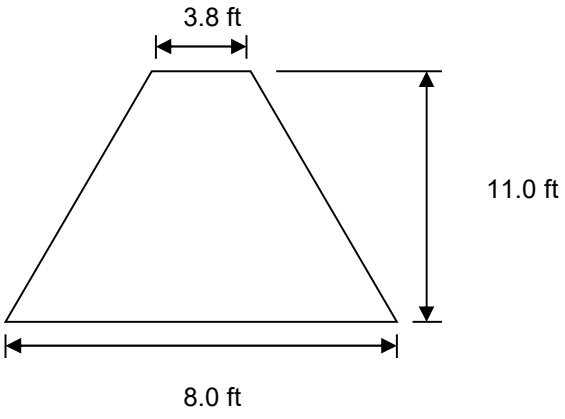
INPUT

Q = 4.69 cfs	25-yr storm
Pipe size, D(o) = 15 in	
Pipe Width, W(o) = 15 in	
q = 3.75 cfs/ft	
1/2 D(o) = 7.5 in	
0.2*D(o) = 0.3 ft	
Tailwater, Tw = 1.49 ft	(from pond w.s.e.)
Use Tw = 1.49 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 10.07 ft

Use La = 11 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 7.78 ft

Use W = 8 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 0.8 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

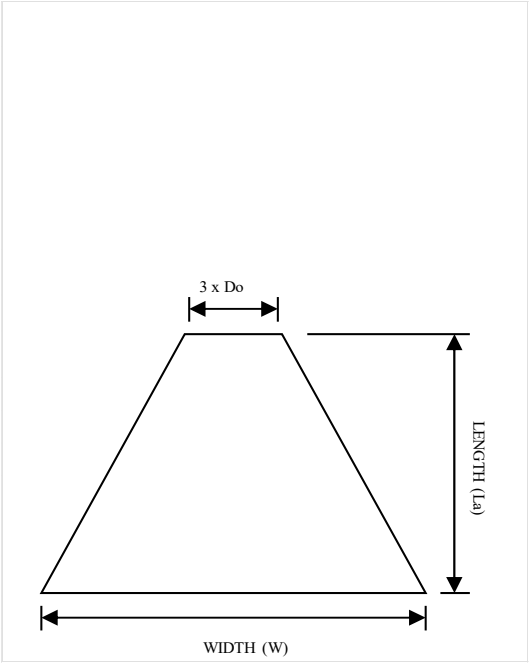
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 30

HW 465

Criteria: N.J. Soil Erosion and Sediment Control Standards



INPUT

Q = 17.61 cfs	25-yr storm
Pipe size, D(o) = 30 in	
Pipe Width, W(o) = 30 in	
q = 7.04 cfs/ft	
1/2 D(o) = 15.0 in	
0.2*D(o) = 0.5 ft	
Tailwater, Tw = 0.84 ft	(from pond w.s.e.)
Use Tw = 0.84 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW<1/2*Do, La = 1.8q/Do^(1/2) + 7Do
= 25.52 ft

Use La = 26 ft (Extend to toe of slope)

W = 3Wo + La
= 33.02 ft

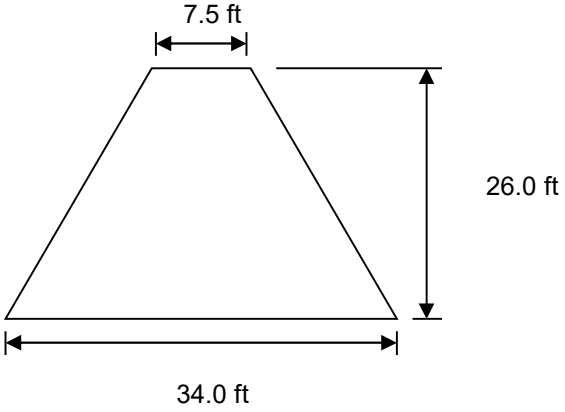
Use W = 34 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 3.1 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric



Bowman

Riprap Apron Calculations

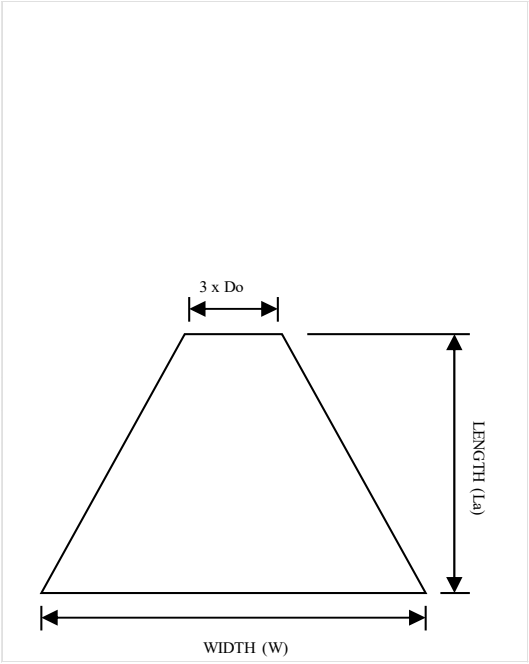
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 30

HW 458

Criteria: N.J. Soil Erosion and Sediment Control Standards



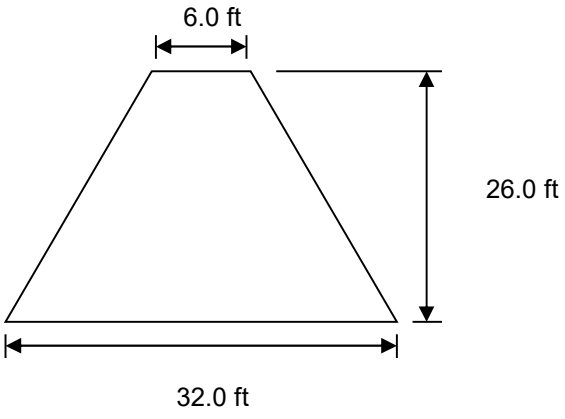
INPUT

Q = 17.61 cfs	25-yr storm
Pipe size, D(o) = 24 in	
Pipe Width, W(o) = 24 in	
q = 8.81 cfs/ft	
1/2 D(o) = 12.0 in	
0.2*D(o) = 0.4 ft	
Tailwater, Tw = 0.84 ft	(from pond w.s.e.)
Use Tw = 0.84 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW<1/2*Do, La = 1.8q/Do^(1/2) + 7Do
= 25.21 ft

Use La = 26 ft (Extend to toe of slope)



W = 3Wo + La
= 31.21 ft

Use W = 32 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 4.2 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

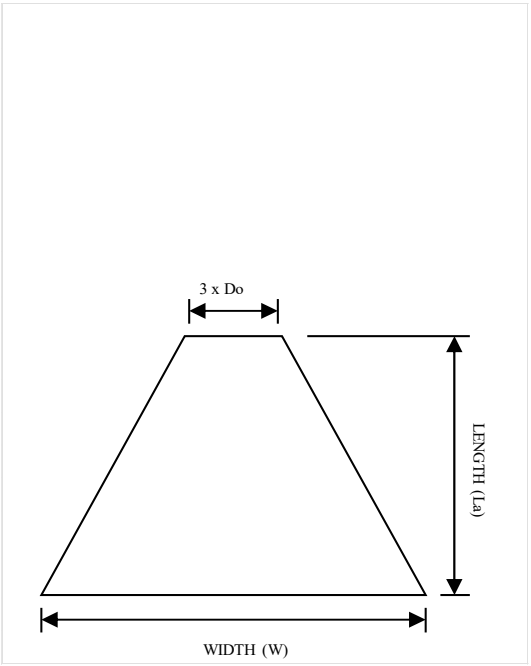
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 31

HW 447

Criteria: N.J. Soil Erosion and Sediment Control Standards



INPUT

Q = 4.78 cfs	25-yr storm
Pipe size, D(o) = 15 in	
Pipe Width, W(o) = 15 in	
q = 3.82 cfs/ft	
1/2 D(o) = 7.5 in	
0.2*D(o) = 0.3 ft	
Tailwater, Tw = 0.51 ft	(from pond w.s.e.)
Use Tw = 0.51 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW<1/2*Do, La = 1.8q/Do^(1/2) + 7Do
= 14.91 ft

Use La = 15 ft (Extend to toe of slope)

W = 3Wo + La
= 18.66 ft

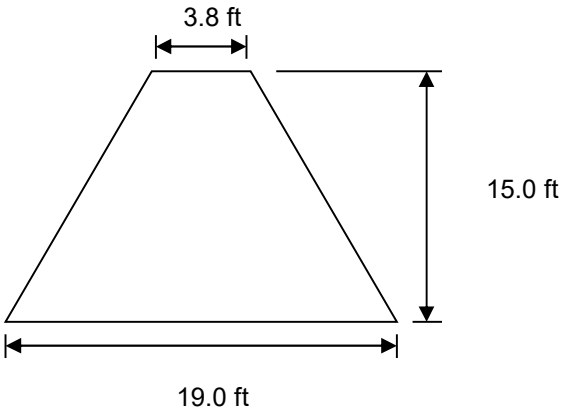
Use W = 19 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 2.3 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric



Bowman

Riprap Apron Calculations

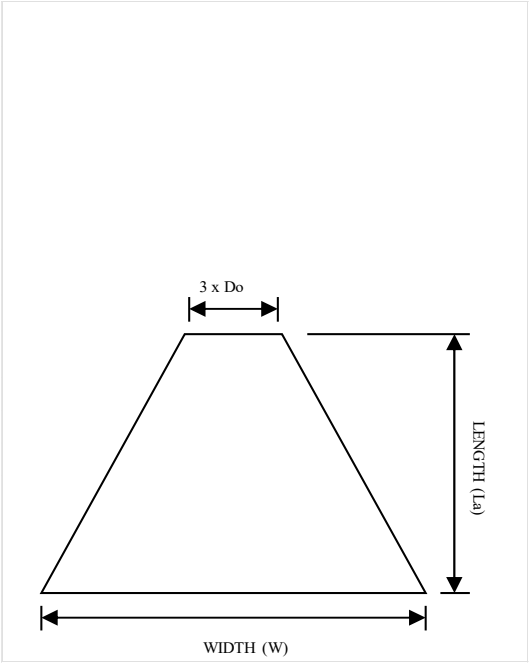
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 31

HW 437

Criteria: N.J. Soil Erosion and Sediment Control Standards



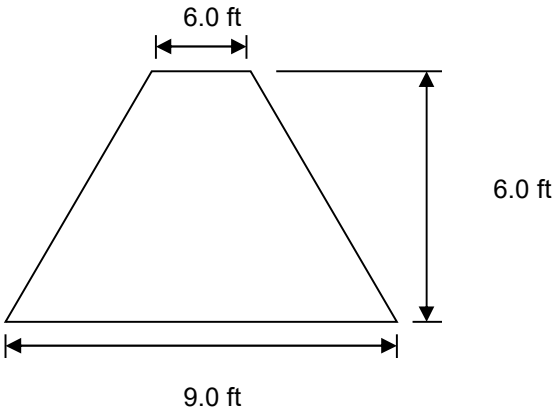
INPUT

Q = 4.78 cfs	25-yr storm
Pipe size, D(o) = 24 in	
Pipe Width, W(o) = 24 in	
q = 2.39 cfs/ft	
1/2 D(o) = 12.0 in	
0.2*D(o) = 0.4 ft	
Tailwater, Tw = 1.11 ft	(from pond w.s.e.)
Use Tw = 1.11 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 5.07 ft

Use La = 6 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 8.03 ft

Use W = 9 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 0.6 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

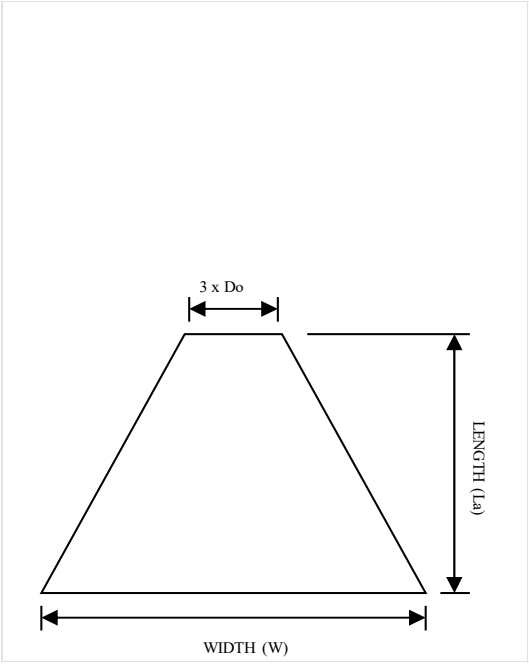
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 32

HW 667

Criteria: N.J. Soil Erosion and Sediment Control Standards



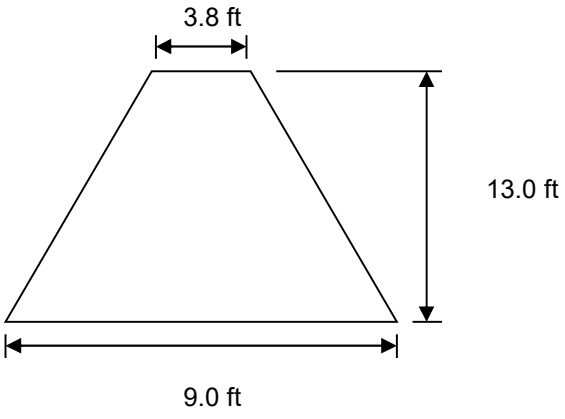
INPUT

Q = 5.69 cfs	25-yr storm
Pipe size, D(o) = 15 in	
Pipe Width, W(o) = 15 in	
q = 4.55 cfs/ft	
1/2 D(o) = 7.5 in	
0.2*D(o) = 0.3 ft	
Tailwater, Tw = 1.20 ft	(from pond w.s.e.)
Use Tw = 1.11 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 12.21 ft

Use La = 13 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 8.64 ft

Use W = 9 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 1.3 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

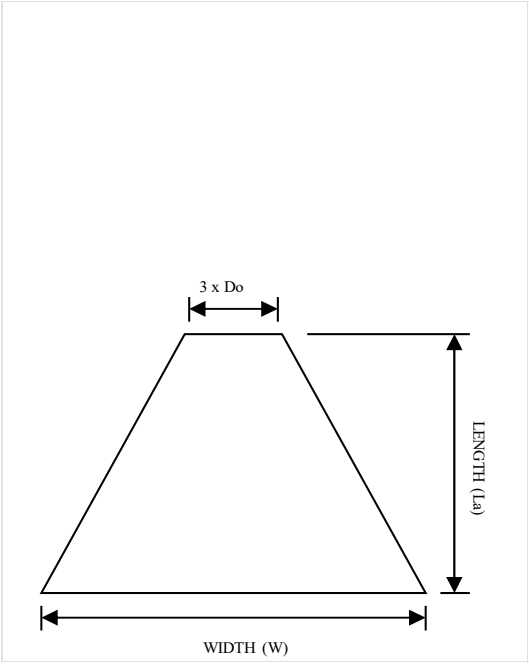
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 33

HW 442

Criteria: N.J. Soil Erosion and Sediment Control Standards



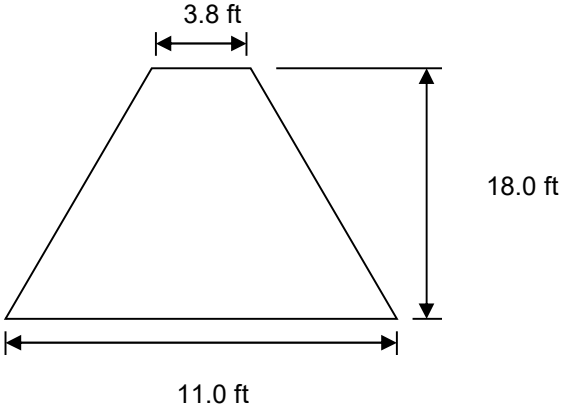
INPUT

Q = 8.21 cfs	25-yr storm
Pipe size, D(o) = 15 in	
Pipe Width, W(o) = 15 in	
q = 6.57 cfs/ft	
1/2 D(o) = 7.5 in	
0.2*D(o) = 0.3 ft	
Tailwater, Tw = 2.53 ft	(from pond w.s.e.)
Use Tw = 2.53 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 17.62 ft

Use La = 18 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 10.80 ft

Use W = 11 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 0.9 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

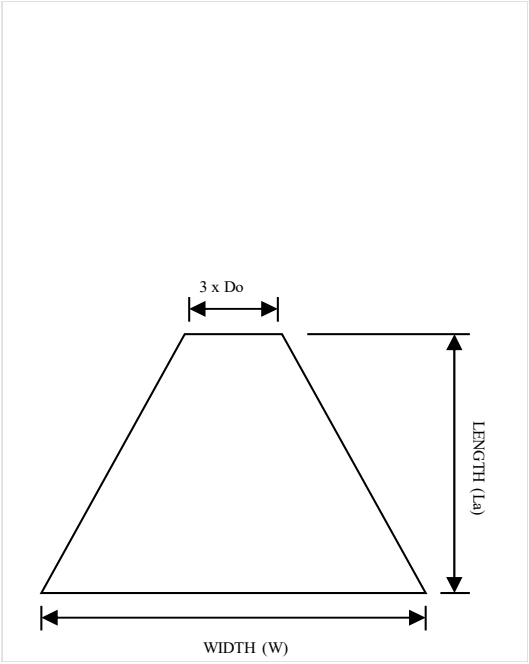
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 33

HW 615

Criteria: N.J. Soil Erosion and Sediment Control Standards



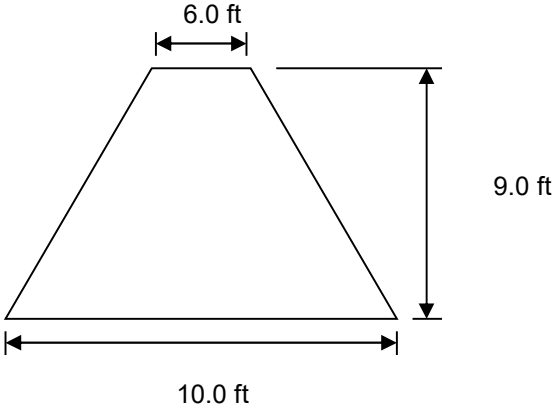
INPUT

Q = 8.21 cfs	25-yr storm
Pipe size, D(o) = 24 in	
Pipe Width, W(o) = 24 in	
q = 4.11 cfs/ft	
1/2 D(o) = 12.0 in	
0.2*D(o) = 0.4 ft	
Tailwater, Tw = 2.53 ft	(from pond w.s.e.)
Use Tw = 2.53 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 8.71 ft

Use La = 9 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 9.48 ft

Use W = 10 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 0.5 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

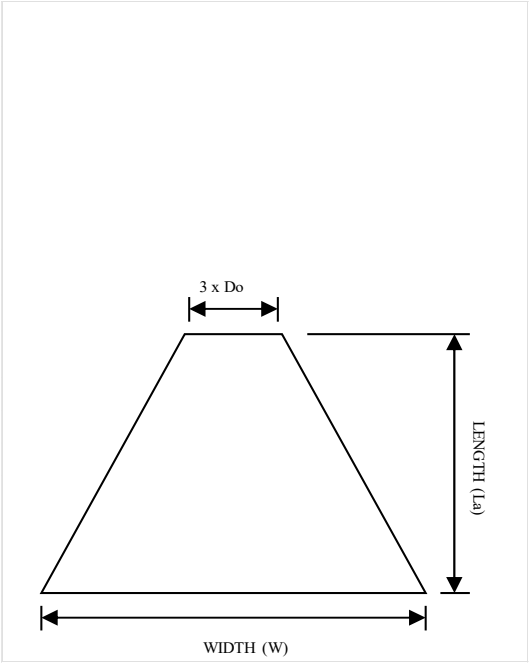
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 34

HW 362

Criteria: N.J. Soil Erosion and Sediment Control Standards



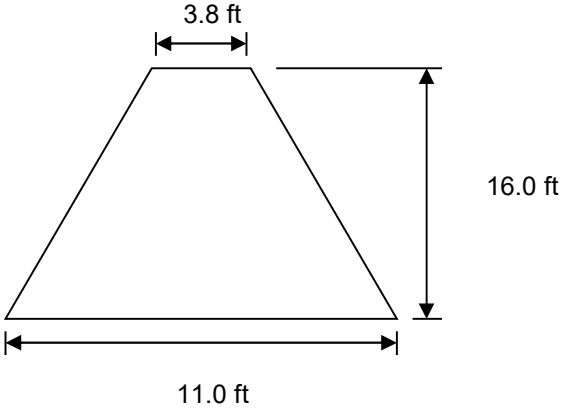
INPUT

Q = 7.35 cfs	25-yr storm
Pipe size, D(o) = 15 in	
Pipe Width, W(o) = 15 in	
q = 5.88 cfs/ft	
1/2 D(o) = 7.5 in	
0.2*D(o) = 0.3 ft	
Tailwater, Tw = 1.33 ft	(from pond w.s.e.)
Use Tw = 1.33 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 15.78 ft

Use La = 16 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 10.06 ft

Use W = 11 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 1.5 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

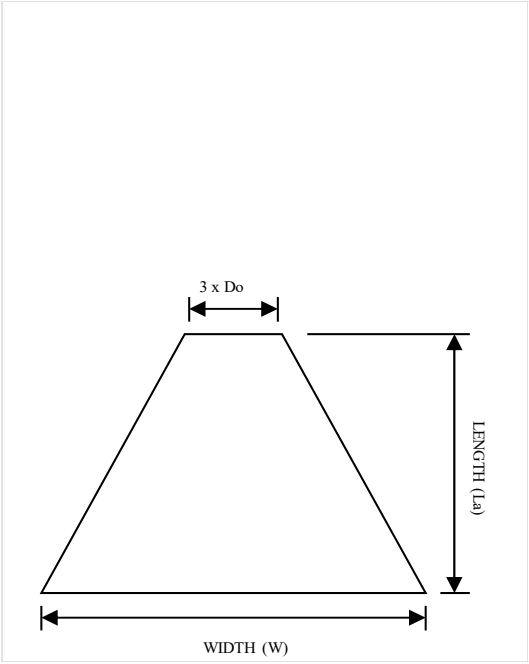
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 35

HW 554

Criteria: N.J. Soil Erosion and Sediment Control Standards



INPUT

Q = 9.73 cfs	25-yr storm
Pipe size, D(o) = 18 in	
Pipe Width, W(o) = 18 in	
q = 6.49 cfs/ft	
1/2 D(o) = 9.0 in	
0.2*D(o) = 0.3 ft	
Tailwater, Tw = 3.05 ft	(from pond w.s.e.)
Use Tw = 3.05 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 15.89 ft

Use La = 16 ft (Extend to toe of slope)

W = 3Wo + 0.4La
= 10.86 ft

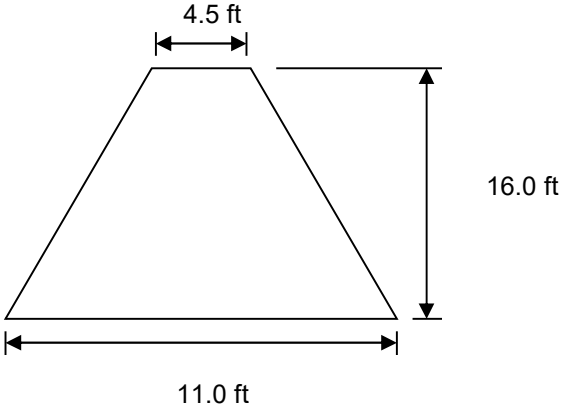
Use W = 11 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 0.8 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric



Bowman

Riprap Apron Calculations

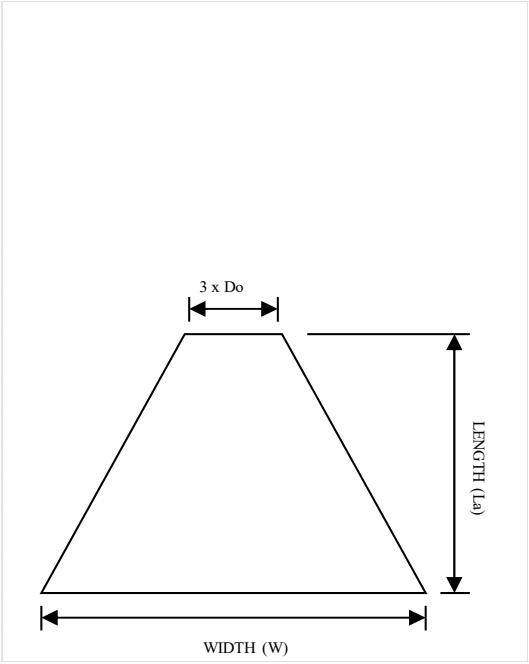
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 36A

HW 345

Criteria: N.J. Soil Erosion and Sediment Control Standards



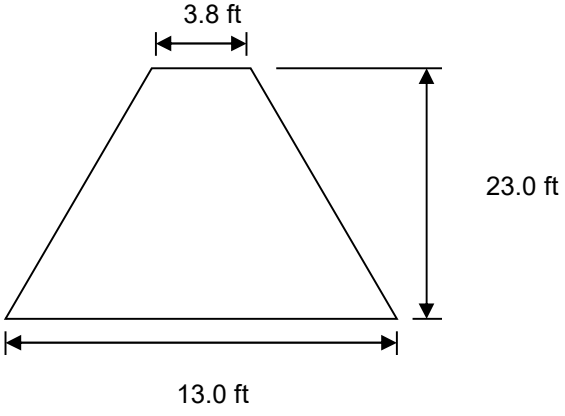
INPUT

Q = 10.61 cfs	25-yr storm
Pipe size, D(o) = 15 in	
Pipe Width, W(o) = 15 in	
q = 8.49 cfs/ft	
1/2 D(o) = 7.5 in	
0.2*D(o) = 0.3 ft	
Tailwater, Tw = 3.11 ft	(from pond w.s.e.)
Use Tw = 3.11 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 22.78 ft

Use La = 23 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 12.86 ft

Use W = 13 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 1.1 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

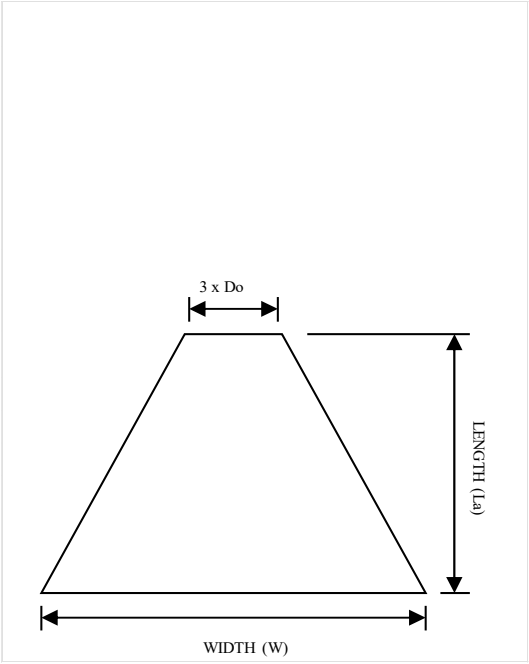
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 36B

HW A275 (365)

Criteria: N.J. Soil Erosion and Sediment Control Standards



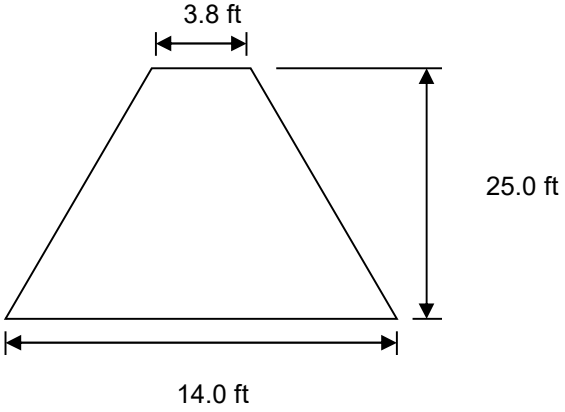
INPUT

Q = 11.30 cfs	25-yr storm
Pipe size, D(o) = 15 in	
Pipe Width, W(o) = 15 in	
q = 9.04 cfs/ft	
1/2 D(o) = 7.5 in	
0.2*D(o) = 0.3 ft	
Tailwater, Tw = 2.55 ft	(from pond w.s.e.)
Use Tw = 2.55 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 24.26 ft

Use La = 25 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 13.45 ft

Use W = 14 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 1.4 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

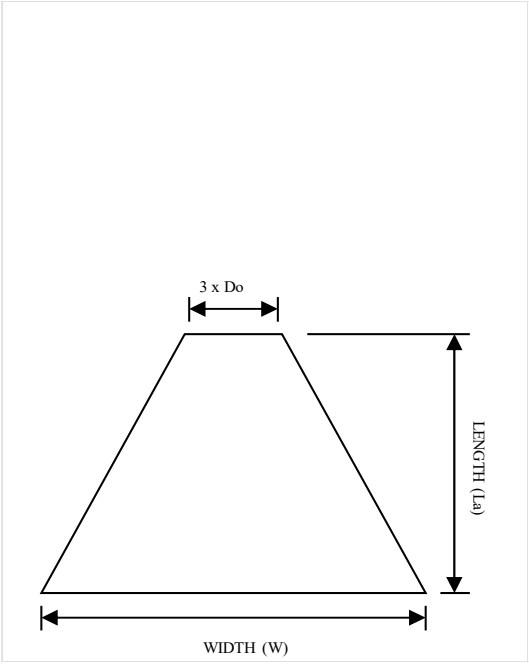
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 37A

HW 314

Criteria: N.J. Soil Erosion and Sediment Control Standards



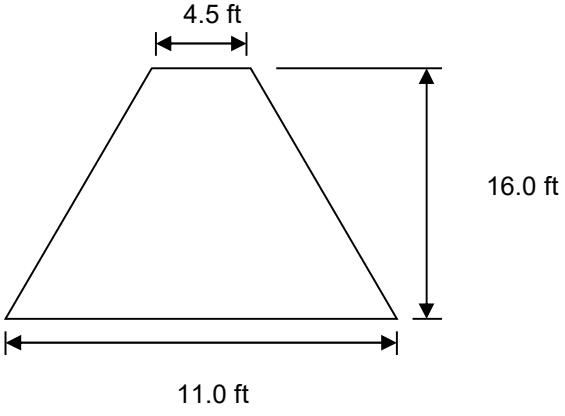
INPUT

Q = 9.57 cfs	25-yr storm
Pipe size, D(o) = 18 in	
Pipe Width, W(o) = 18 in	
q = 6.38 cfs/ft	
1/2 D(o) = 9.0 in	
0.2*D(o) = 0.3 ft	
Tailwater, Tw = 2.48 ft	(from pond w.s.e.)
Use Tw = 2.48 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 15.63 ft

Use La = 16 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 10.75 ft

Use W = 11 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 0.9 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

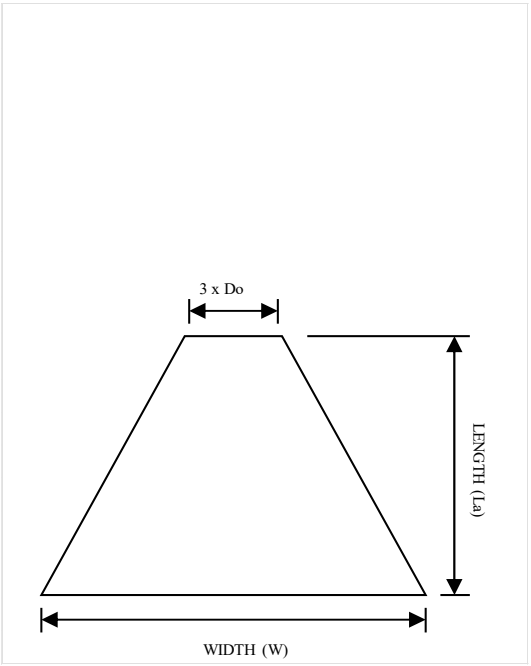
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 37B

HW A275(380)

Criteria: N.J. Soil Erosion and Sediment Control Standards



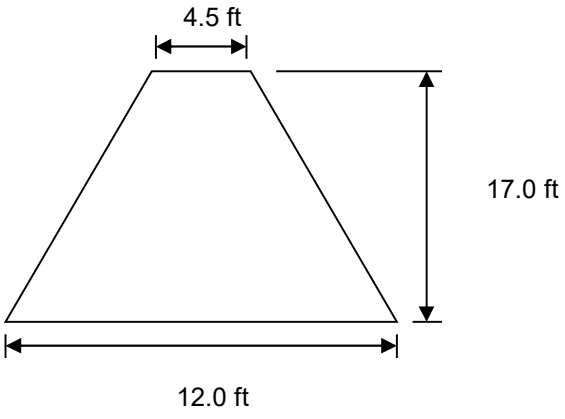
INPUT

Q = 10.27 cfs	25-yr storm
Pipe size, D(o) = 18 in	
Pipe Width, W(o) = 18 in	
q = 6.85 cfs/ft	
1/2 D(o) = 9.0 in	
0.2*D(o) = 0.3 ft	
Tailwater, Tw = 2.63 ft	(from pond w.s.e.)
Use Tw = 2.63 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 16.77 ft

Use La = 17 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 11.21 ft

Use W = 12 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 0.9 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

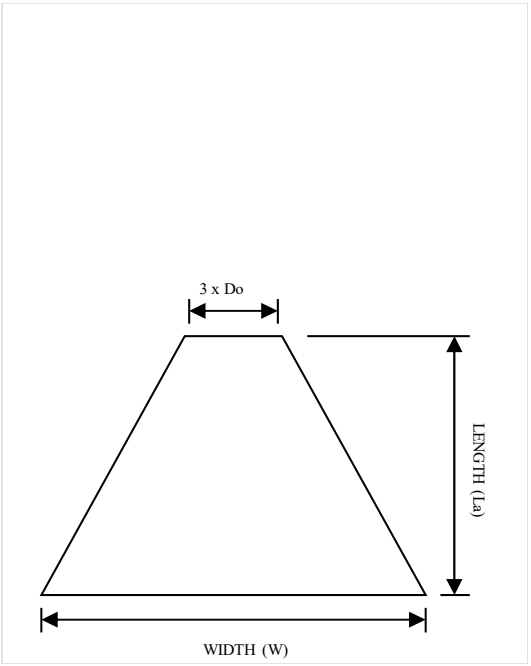
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 39

HW A275(396)

Criteria: N.J. Soil Erosion and Sediment Control Standards



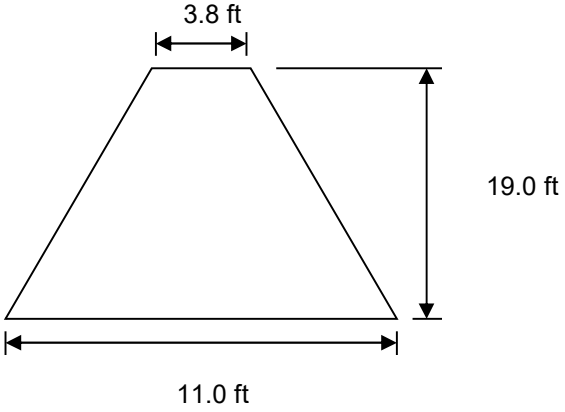
INPUT

Q = 8.44 cfs	25-yr storm
Pipe size, D(o) = 15 in	
Pipe Width, W(o) = 15 in	
q = 6.75 cfs/ft	
1/2 D(o) = 7.5 in	
0.2*D(o) = 0.3 ft	
Tailwater, Tw = 2.04 ft	(from pond w.s.e.)
Use Tw = 2.04 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 18.12 ft

Use La = 19 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 11.00 ft

Use W = 11 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 1.2 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

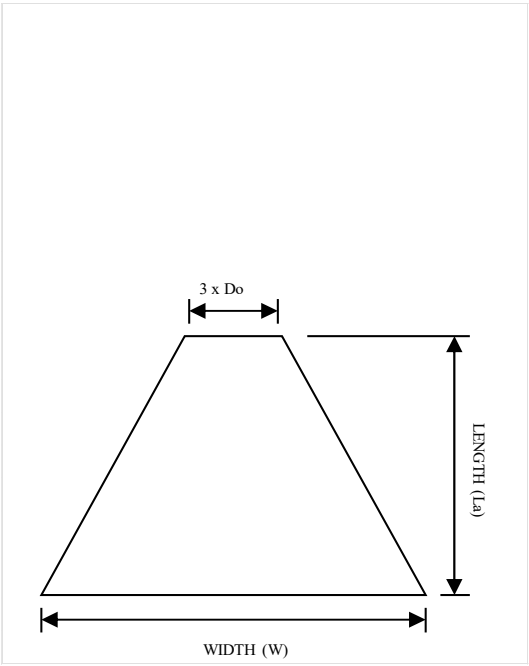
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 40

HW 309

Criteria: N.J. Soil Erosion and Sediment Control Standards



INPUT

Q = 8.67 cfs	25-yr storm
Pipe size, D(o) = 15 in	
Pipe Width, W(o) = 15 in	
q = 6.94 cfs/ft	
1/2 D(o) = 7.5 in	
0.2*D(o) = 0.3 ft	
Tailwater, Tw = 1.31 ft	(from pond w.s.e.)
Use Tw = 1.31 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 18.61 ft

Use La = 19 ft (Extend to toe of slope)

W = 3Wo + 0.4La
= 11.19 ft

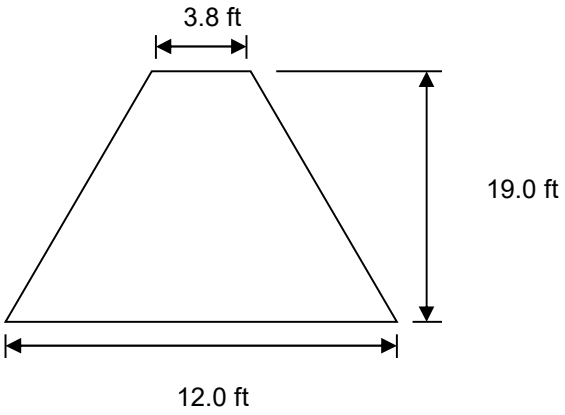
Use W = 12 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 1.9 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric



Bowman

Riprap Apron Calculations

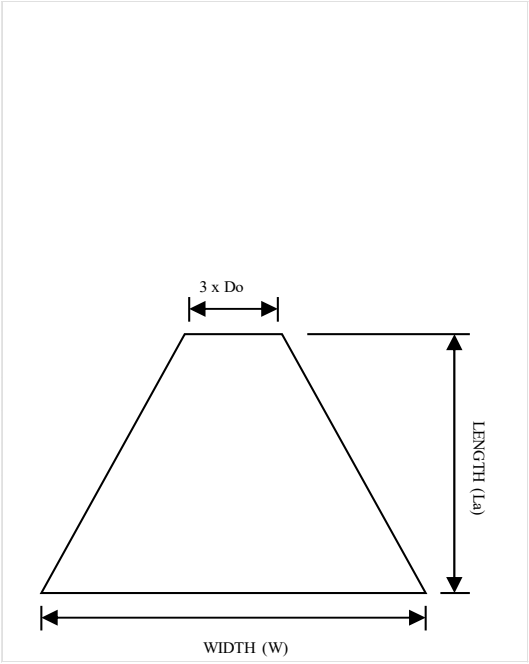
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 41

HW 268

Criteria: N.J. Soil Erosion and Sediment Control Standards



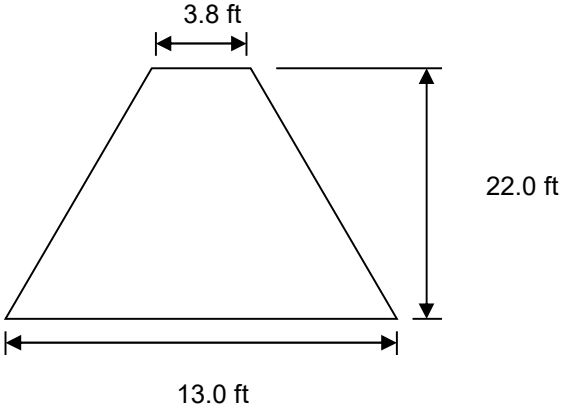
INPUT

Q = 10.03 cfs	25-yr storm
Pipe size, D(o) = 15 in	
Pipe Width, W(o) = 15 in	
q = 8.02 cfs/ft	
1/2 D(o) = 7.5 in	
0.2*D(o) = 0.3 ft	
Tailwater, Tw = 2.25 ft	(from pond w.s.e.)
Use Tw = 2.25 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 21.53 ft

Use La = 22 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 12.36 ft

Use W = 13 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 1.4 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

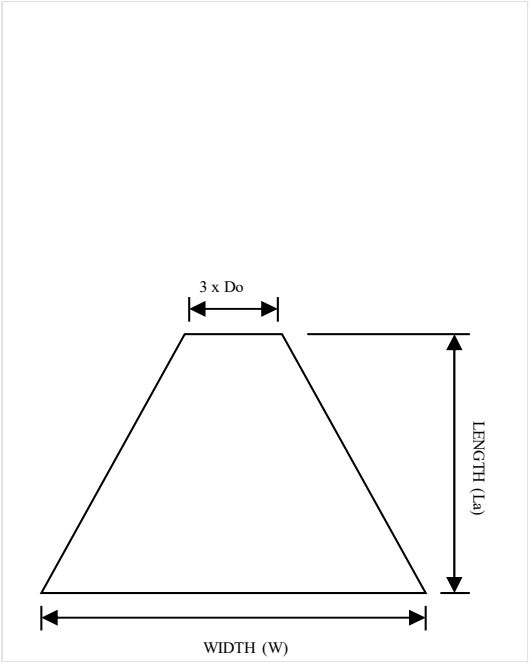
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 43

HW 276

Criteria: N.J. Soil Erosion and Sediment Control Standards



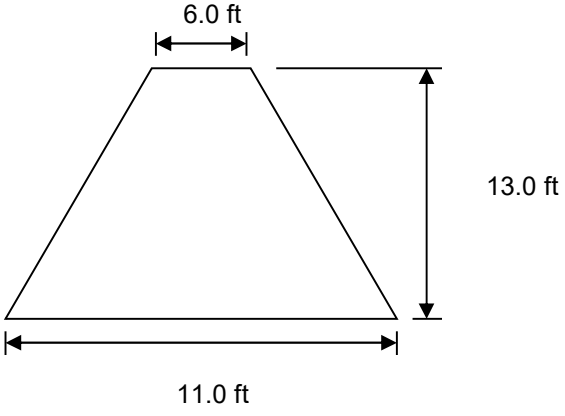
INPUT

Q = 11.75 cfs	25-yr storm
Pipe size, D(o) = 24 in	
Pipe Width, W(o) = 24 in	
q = 5.88 cfs/ft	
1/2 D(o) = 12.0 in	
0.2*D(o) = 0.4 ft	
Tailwater, Tw = 1.82 ft	(from pond w.s.e.)
Use Tw = 1.82 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 12.46 ft

Use La = 13 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 10.99 ft

Use W = 11 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 1.1 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

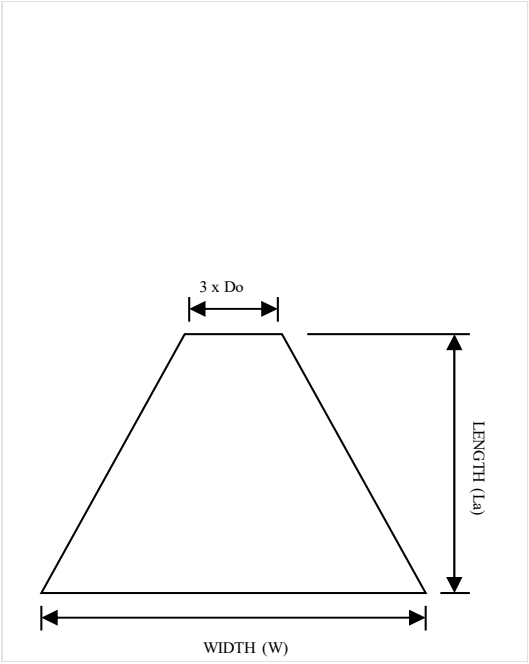
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 44

HW 284

Criteria: N.J. Soil Erosion and Sediment Control Standards



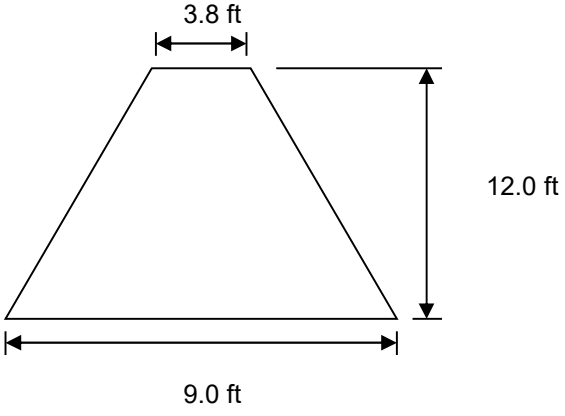
INPUT

Q = 5.15 cfs	25-yr storm
Pipe size, D(o) = 15 in	
Pipe Width, W(o) = 15 in	
q = 4.12 cfs/ft	
1/2 D(o) = 7.5 in	
0.2*D(o) = 0.3 ft	
Tailwater, Tw = 0.81 ft	(from pond w.s.e.)
Use Tw = 0.81 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 11.06 ft

Use La = 12 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 8.17 ft

Use W = 9 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 1.6 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

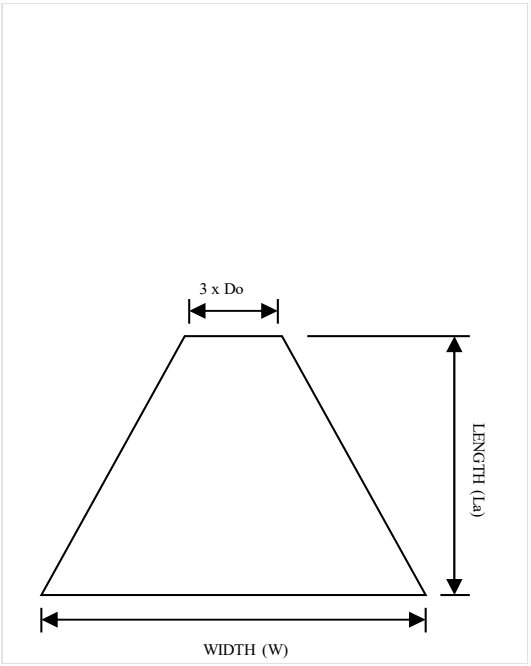
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 45

HW 281

Criteria: N.J. Soil Erosion and Sediment Control Standards



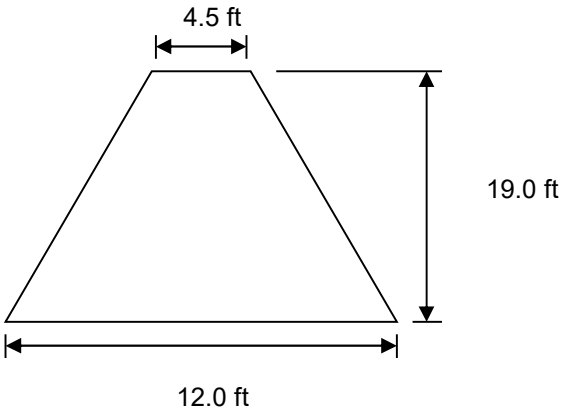
INPUT

Q = 11.23 cfs	25-yr storm
Pipe size, D(o) = 18 in	
Pipe Width, W(o) = 18 in	
q = 7.49 cfs/ft	
1/2 D(o) = 9.0 in	
0.2*D(o) = 0.3 ft	
Tailwater, Tw = 2.78 ft	(from pond w.s.e.)
Use Tw = 2.78 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 18.34 ft

Use La = 19 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 11.84 ft

Use W = 12 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 1.0 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

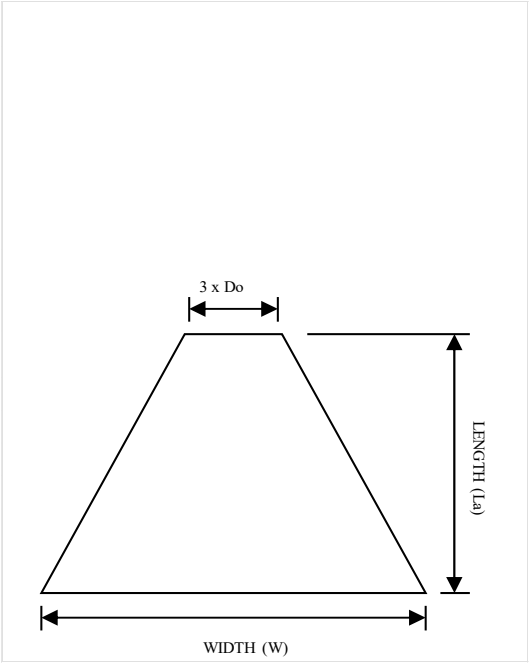
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 46A

HW 258

Criteria: N.J. Soil Erosion and Sediment Control Standards



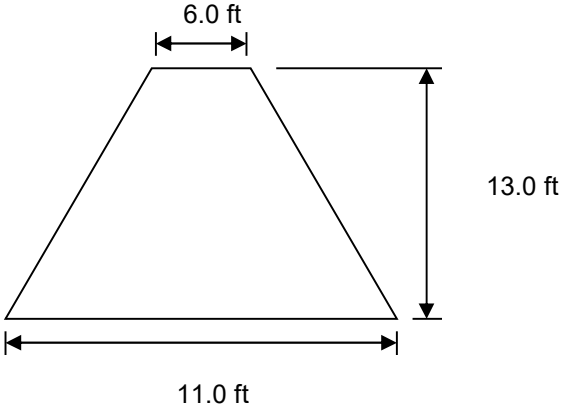
INPUT

Q = 11.34 cfs	25-yr storm
Pipe size, D(o) = 24 in	
Pipe Width, W(o) = 24 in	
q = 5.67 cfs/ft	
1/2 D(o) = 12.0 in	
0.2*D(o) = 0.4 ft	
Tailwater, Tw = 2.60 ft	(from pond w.s.e.)
Use Tw = 2.60 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 12.03 ft

Use La = 13 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 10.81 ft

Use W = 11 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 0.7 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

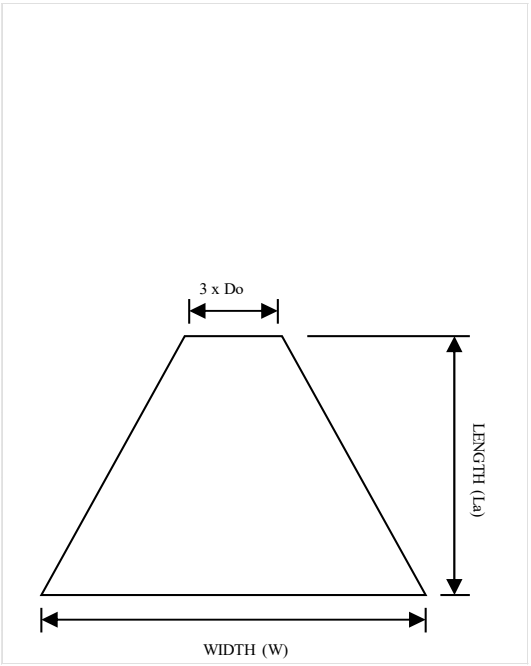
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 46B

HW A275 (518)

Criteria: N.J. Soil Erosion and Sediment Control Standards



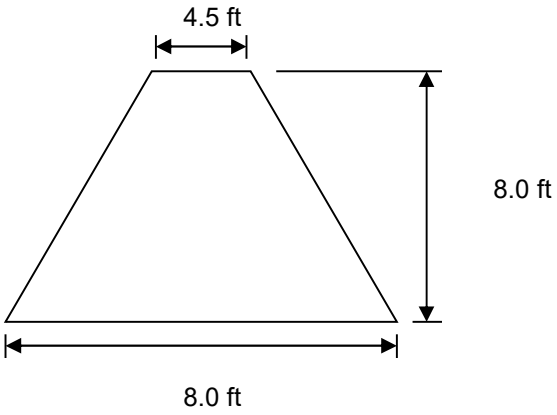
INPUT

Q = 4.56 cfs	25-yr storm
Pipe size, D(o) = 18 in	
Pipe Width, W(o) = 18 in	
q = 3.04 cfs/ft	
1/2 D(o) = 9.0 in	
0.2*D(o) = 0.3 ft	
Tailwater, Tw = 2.59 ft	(from pond w.s.e.)
Use Tw = 2.60 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 7.45 ft

Use La = 8 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 7.48 ft

Use W = 8 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 0.3 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

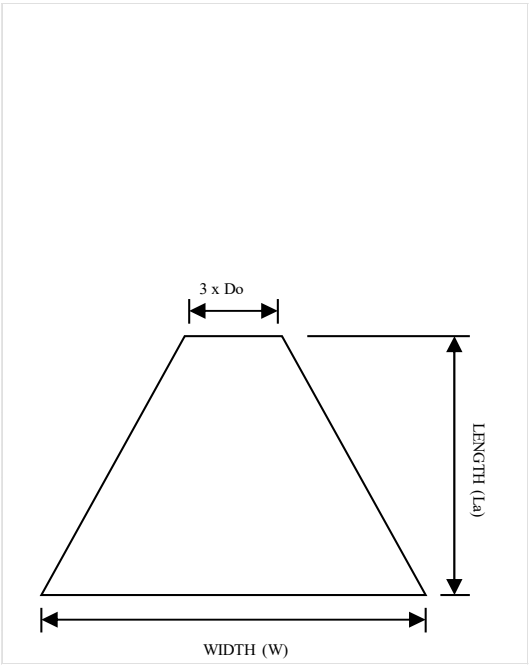
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 47

HW 264

Criteria: N.J. Soil Erosion and Sediment Control Standards



INPUT

Q = 10.40 cfs	25-yr storm
Pipe size, D(o) = 15 in	
Pipe Width, W(o) = 15 in	
q = 8.32 cfs/ft	
1/2 D(o) = 7.5 in	
0.2*D(o) = 0.3 ft	
Tailwater, Tw = 0.34 ft	(from pond w.s.e.)
Use Tw = 0.34 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW<1/2*Do, La = 1.8q/Do^(1/2) + 7Do
= 22.14 ft

Use La = 23 ft (Extend to toe of slope)

W = 3Wo + La
= 25.89 ft

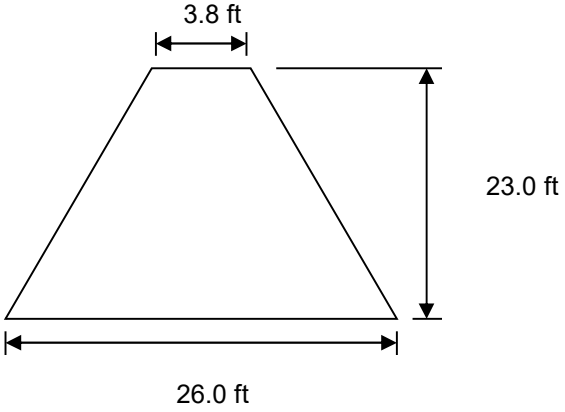
Use W = 26 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 9.5 in

Use d(50) = 10 in

Th = 2*d(50) w/filter fabric

Th = 20 in w/filter fabric



Bowman

Riprap Apron Calculations

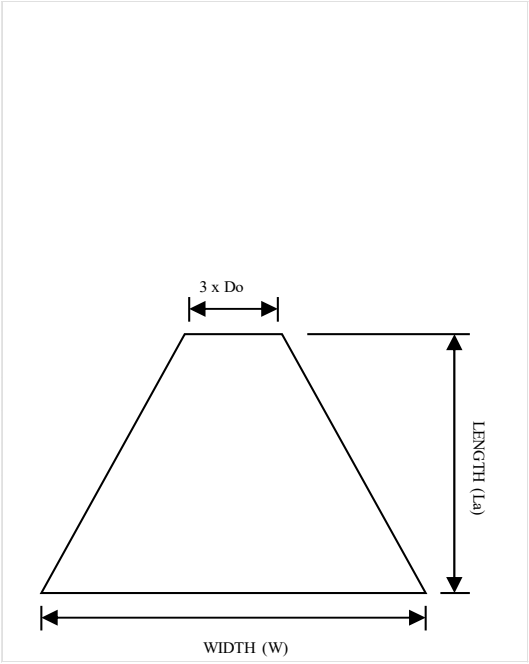
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 48

HW 248

Criteria: N.J. Soil Erosion and Sediment Control Standards



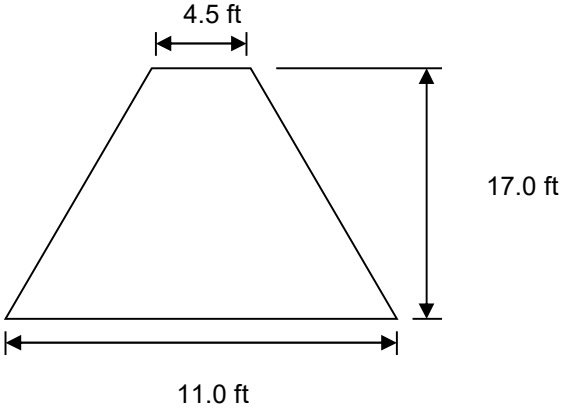
INPUT

Q = 9.83 cfs	25-yr storm
Pipe size, D(o) = 18 in	
Pipe Width, W(o) = 18 in	
q = 6.55 cfs/ft	
1/2 D(o) = 9.0 in	
0.2*D(o) = 0.3 ft	
Tailwater, Tw = 1.35 ft	(from pond w.s.e.)
Use Tw = 1.35 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 16.05 ft

Use La = 17 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 10.92 ft

Use W = 11 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 1.7 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

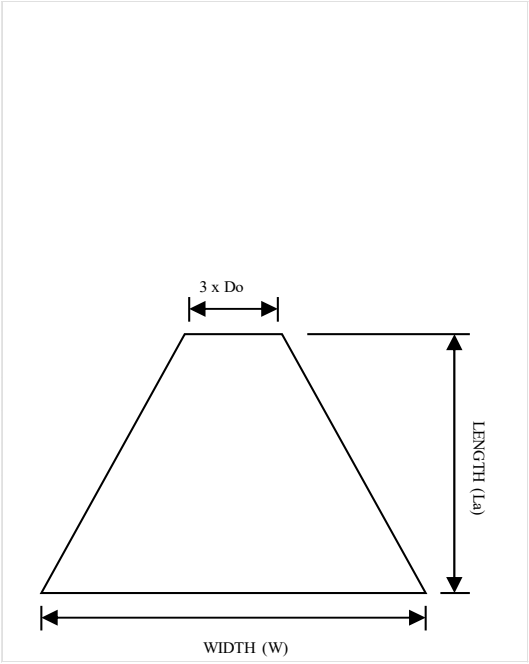
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 49

HW 244

Criteria: N.J. Soil Erosion and Sediment Control Standards



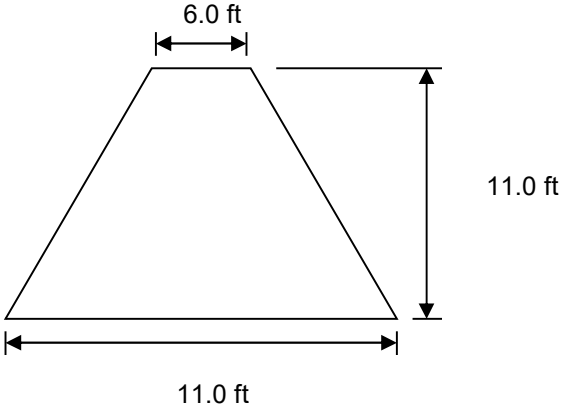
INPUT

Q = 9.45 cfs	25-yr storm
Pipe size, D(o) = 24 in	
Pipe Width, W(o) = 24 in	
q = 4.73 cfs/ft	
1/2 D(o) = 12.0 in	
0.2*D(o) = 0.4 ft	
Tailwater, Tw = 1.74 ft	(from pond w.s.e.)
Use Tw = 1.74 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 10.02 ft

Use La = 11 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 10.01 ft

Use W = 11 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 0.9 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

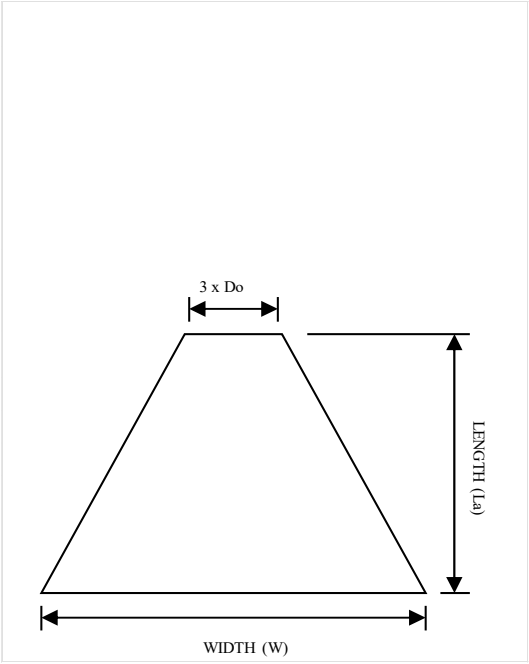
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 50

HW 237

Criteria: N.J. Soil Erosion and Sediment Control Standards



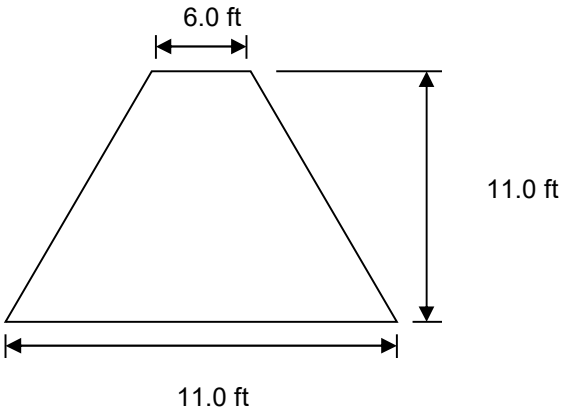
INPUT

Q = 9.59 cfs	25-yr storm
Pipe size, D(o) = 24 in	
Pipe Width, W(o) = 24 in	
q = 4.80 cfs/ft	
1/2 D(o) = 12.0 in	
0.2*D(o) = 0.4 ft	
Tailwater, Tw = 1.27 ft	(from pond w.s.e.)
Use Tw = 1.27 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 10.17 ft

Use La = 11 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 10.07 ft

Use W = 11 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 1.2 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

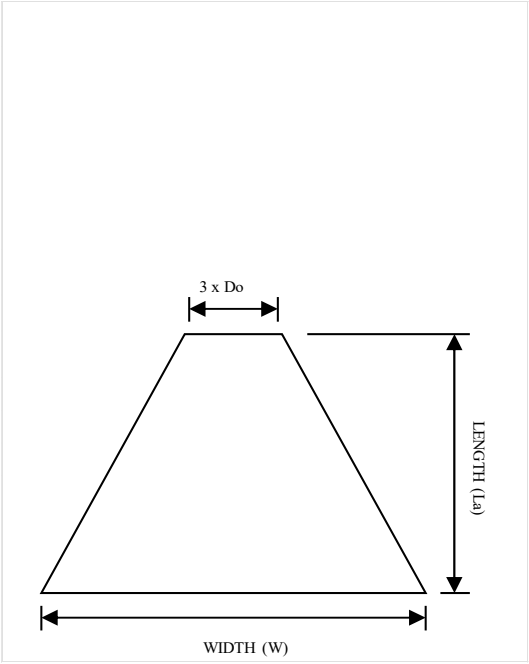
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 55

HW 637

Criteria: N.J. Soil Erosion and Sediment Control Standards



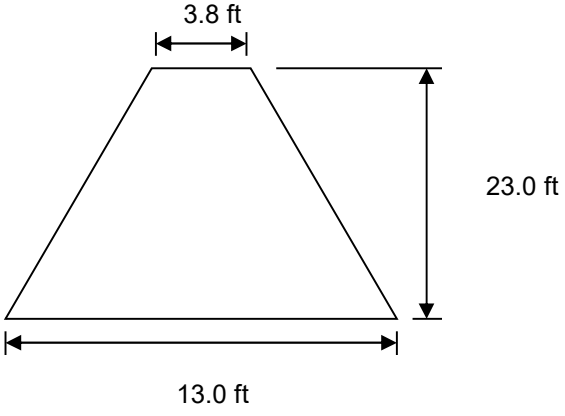
INPUT

Q = 10.57 cfs	25-yr storm
Pipe size, D(o) = 15 in	
Pipe Width, W(o) = 15 in	
q = 8.46 cfs/ft	
1/2 D(o) = 7.5 in	
0.2*D(o) = 0.3 ft	
Tailwater, Tw = 1.82 ft	(from pond w.s.e.)
Use Tw = 1.82 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 22.69 ft

Use La = 23 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 12.83 ft

Use W = 13 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 1.8 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

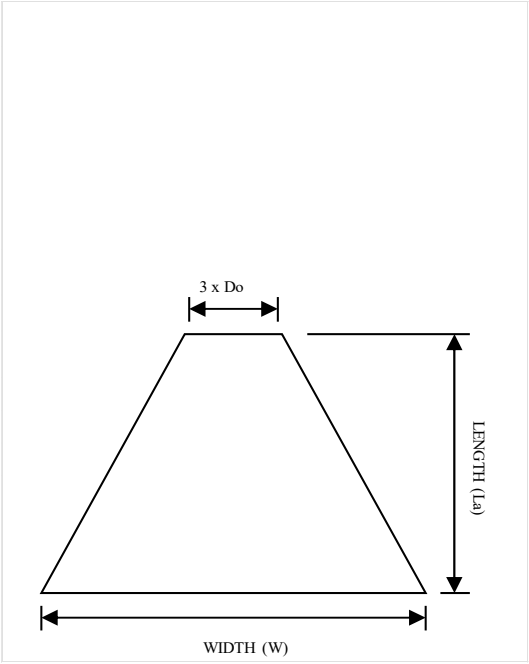
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 55

HW 219

Criteria: N.J. Soil Erosion and Sediment Control Standards



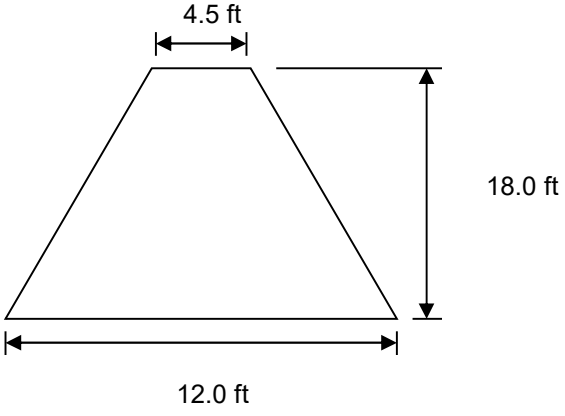
INPUT

Q = 10.57 cfs	25-yr storm
Pipe size, D(o) = 18 in	
Pipe Width, W(o) = 18 in	
q = 7.05 cfs/ft	
1/2 D(o) = 9.0 in	
0.2*D(o) = 0.3 ft	
Tailwater, Tw = 1.82 ft	(from pond w.s.e.)
Use Tw = 1.82 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 17.26 ft

Use La = 18 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 11.40 ft

Use W = 12 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 1.4 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

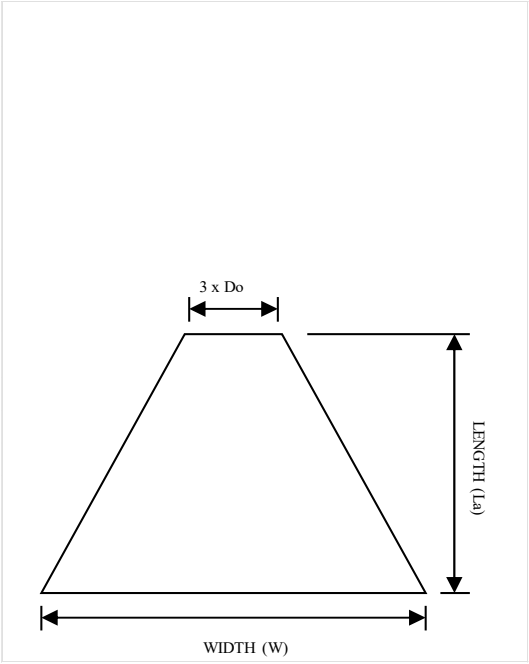
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 57

HW 202

Criteria: N.J. Soil Erosion and Sediment Control Standards



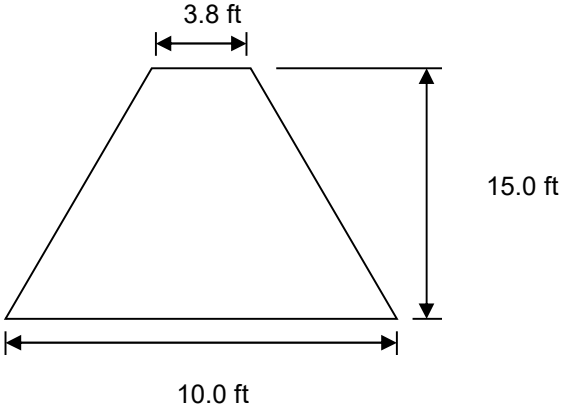
INPUT

Q = 6.59 cfs	25-yr storm
Pipe size, D(o) = 15 in	
Pipe Width, W(o) = 15 in	
q = 5.27 cfs/ft	
1/2 D(o) = 7.5 in	
0.2*D(o) = 0.3 ft	
Tailwater, Tw = 1.63 ft	(from pond w.s.e.)
Use Tw = 1.63 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW>1/2*Do, La = 3q/Do^(1/2)
= 14.15 ft

Use La = 15 ft (Extend to toe of slope)



W = 3Wo + 0.4La
= 9.41 ft

Use W = 10 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 1.1 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Bowman

Riprap Apron Calculations

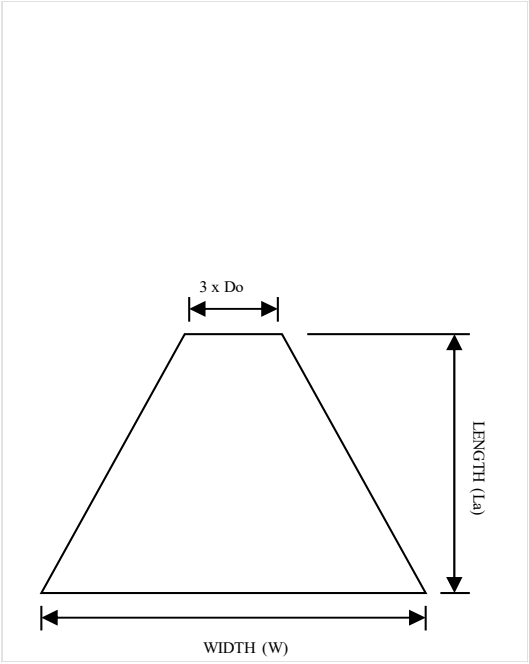
Project: Venue at Hopewell
Location: Hopewell Township, NJ

Computed By: JR
Checked By:
Date: 1/2/2025

BASIN 58

HW A275 (453)

Criteria: N.J. Soil Erosion and Sediment Control Standards



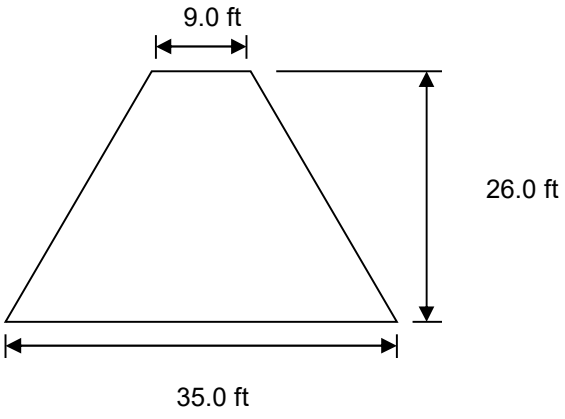
INPUT

Q = 11.61 cfs	25-yr storm
Pipe size, D(o) = 36 in	
Pipe Width, W(o) = 36 in	
q = 3.87 cfs/ft	
1/2 D(o) = 18.0 in	
0.2*D(o) = 0.6 ft	
Tailwater, Tw = 1.45 ft	(from pond w.s.e.)
Use Tw = 0.91 ft	
Is apron confined? (yes/no) -	no

OUTPUT

Since TW<1/2*Do, La = 1.8q/Do^(1/2) + 7Do
= 25.02 ft

Use La = 26 ft (Extend to toe of slope)



W = 3Wo + La
= 34.02 ft

Use W = 35 ft

d(50) = (0.016/Tw)(q)^(4/3)
= 1.3 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Scour Hole Calculations

Project:
Location:

Computed By:
Checked By:
Date:

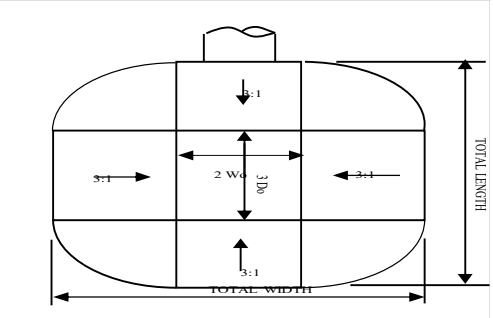
Detention Basin

BASIN 58
HW- 206

Criteria: N.J. Soil Erosion and Sediment Control Standards

INPUT

Q = 5.33 cfs
Pipe size, D(o) = 36 in
Width of outlet, Wo = 36 in
Tw = Scour Hole Depth = 1.50 ft
Depth of scour hole, Y = 1.50 ft



OUTPUT

Bottom length = 3 x Do
= 9.00 ft

Use bottom length = 9.0 ft

Bottom width = 2 x Wo
= 6.00 ft

Use bottom width = 6.0 ft

Total length = bottom length + 2 (3 x depth)

Total length = 18.0 ft

Total width = bottom width + 2 (3 x depth)

Total width = 15.0 ft

Stone Volume

11	**cy**

Since Y = 1/2 Do, d(50) = (0.0125/Tw)(Q/Do)^(4/3)
= 0.1 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Scour Hole Calculations

Project:
Location:

Computed By:
Checked By:
Date:

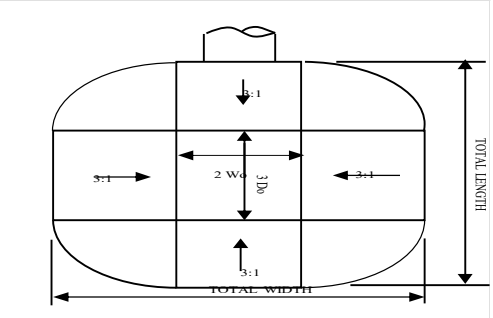
Detention Basin

BASIN 51
HW- 239

Criteria: N.J. Soil Erosion and Sediment Control Standards

INPUT

Q = 26.91 cfs
Pipe size, D(o) = 30 in
Width of outlet, Wo = 30 in
Tw = Scour Hole Depth = 1.25 ft
Depth of scour hole, Y = 1.25 ft



OUTPUT

Bottom length = 3 x Do
= 7.50 ft

Use bottom length = 7.5 ft

Bottom width = 2 x Wo
= 5.00 ft

Use bottom width = 5.0 ft

Total length = bottom length + 2 (3 x depth)

Total length = 15.0 ft

Total width = bottom width + 2 (3 x depth)

Total width = 12.5 ft

Stone Volume

7	**cy**

Since Y = 1/2 Do, d(50) = (0.0125/Tw)(Q/Do)^(4/3)
= 1.9 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Scour Hole Calculations

Project:
Location:

Computed By:
Checked By:
Date:

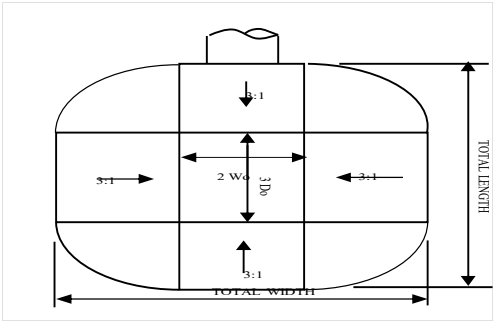
Detention Basin

BASIN 50
HW- 241

Criteria: N.J. Soil Erosion and Sediment Control Standards

INPUT

Q = 7.64 cfs
Pipe size, D(o) = 42 in
Width of outlet, Wo = 42 in
Tw = Scour Hole Depth = 1.75 ft
Depth of scour hole, Y = 1.75 ft



OUTPUT

Bottom length = 3 x Do
= 10.50 ft

Use bottom length = 10.5 ft

Bottom width = 2 x Wo
= 7.00 ft

Use bottom width = 7.0 ft

Total length = bottom length + 2 (3 x depth)

Total length = 21.0 ft

Total width = bottom width + 2 (3 x depth)

Total width = 17.5 ft

Stone Volume

17	**cy**

Since Y = 1/2 Do, d(50) = (0.0125/Tw)(Q/Do)^(4/3)
= 0.2 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Scour Hole Calculations

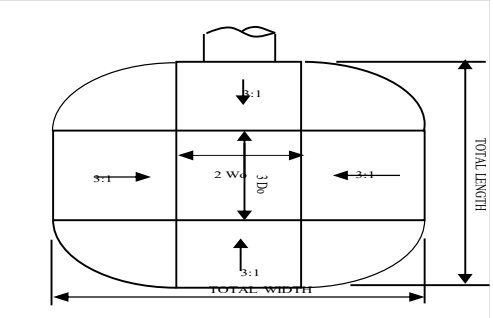
Computed By:
Project:
Checked By:
Location:
Date:

Detention Basin

BASIN 41
Criteria: N.J. Soil Erosion and Sediment Control Standards
HW- 261

INPUT

Q = 0.09 cfs
Pipe size, D(o) = 18 in
Width of outlet, Wo = 18 in
Tw = Scour Hole Depth = 0.75 ft
Depth of scour hole, Y = 0.75 ft



OUTPUT

Bottom length = 3 x Do
= 4.50 ft
Use bottom length = 4.5 ft

Bottom width = 2 x Wo
= 3.00 ft
Use bottom width = 3.0 ft

Total length = bottom length + 2 (3 x depth)
Total length = 9.0 ft

Total width = bottom width + 2 (3 x depth)
Total width = 7.5 ft

Stone Volume
2 cy

Since Y = 1/2 Do, d(50) = (0.0125/Tw)(Q/Do)^(4/3)
= 0.0 in
Use d(50) = 6 in

Th = 2*d(50) w/filter fabric
Th = 12 in w/filter fabric

Scour Hole Calculations

Project:
Location:

Computed By:
Checked By:
Date:

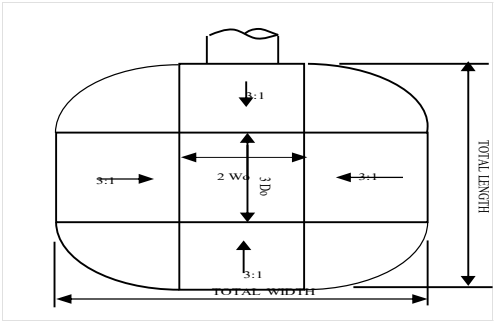
Detention Basin

Basin 47
HW- 263

Criteria: N.J. Soil Erosion and Sediment Control Standards

INPUT

Q = 1.05 cfs
Pipe size, D(o) = 18 in
Width of outlet, Wo = 18 in
Tw = Scour Hole Depth = 0.75 ft
Depth of scour hole, Y = 0.75 ft



OUTPUT

Bottom length = 3 x Do
= 4.50 ft

Use bottom length = 4.5 ft

Bottom width = 2 x Wo
= 3.00 ft

Use bottom width = 3.0 ft

Total length = bottom length + 2 (3 x depth)

Total length = 9.0 ft

Total width = bottom width + 2 (3 x depth)

Total width = 7.5 ft

Stone Volume

2	**cy**

Since Y = 1/2 Do, d(50) = (0.0125/Tw)(Q/Do)^(4/3)
= 0.1 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Scour Hole Calculations

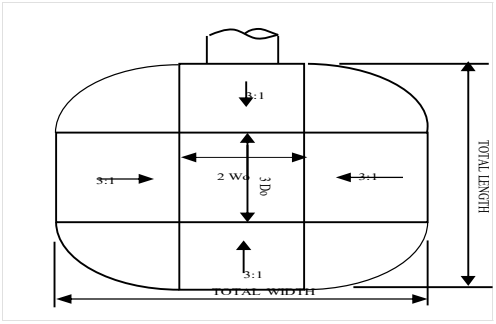
Computed By:
Project:
Checked By:
Location:
Date:

Detention Basin

Basin 41 and 42
Criteria: N.J. Soil Erosion and Sediment Control Standards
HW- 271

INPUT

Q = 7.16 cfs
Pipe size, D(o) = 24 in
Width of outlet, Wo = 24 in
Tw = Scour Hole Depth = 1.00 ft
Depth of scour hole, Y = 1.00 ft



OUTPUT

Bottom length = 3 x Do
= 6.00 ft
Use bottom length = 6.0 ft

Bottom width = 2 x Wo
= 4.00 ft
Use bottom width = 4.0 ft

Total length = bottom length + 2 (3 x depth)
Total length = 12.0 ft

Total width = bottom width + 2 (3 x depth)
Total width = 10.0 ft

Stone Volume
4 cy

Since Y = 1/2 Do, d(50) = (0.0125/Tw)(Q/Do)^(4/3)
= 0.5 in
Use d(50) = 6 in

Th = 2*d(50) w/filter fabric
Th = 12 in w/filter fabric

Scour Hole Calculations

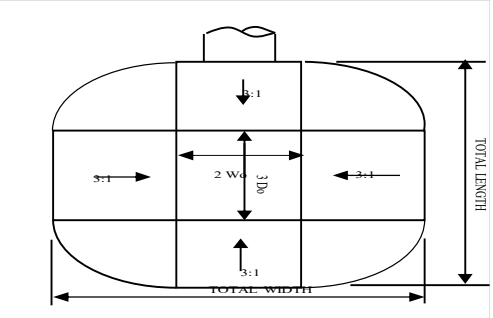
Computed By:
Project:
Checked By:
Location:
Date:

Detention Basin

BASIN 45
Criteria: N.J. Soil Erosion and Sediment Control Standards
HW- 291

INPUT

Q = 8.28 cfs
Pipe size, D(o) = 18 in
Width of outlet, Wo = 18 in
Tw = Scour Hole Depth = 0.75 ft
Depth of scour hole, Y = 0.75 ft



OUTPUT

Bottom length = 3 x Do
= 4.50 ft
Use bottom length = 4.5 ft

Bottom width = 2 x Wo
= 3.00 ft
Use bottom width = 3.0 ft

Total length = bottom length + 2 (3 x depth)
Total length = 9.0 ft

Total width = bottom width + 2 (3 x depth)
Total width = 7.5 ft

Stone Volume
2 cy

Since Y = 1/2 Do, d(50) = (0.0125/Tw)(Q/Do)^(4/3)
= 1.3 in
Use d(50) = 6 in

Th = 2*d(50) w/filter fabric
Th = 12 in w/filter fabric

Scour Hole Calculations

Project:
Location:

Computed By:
Checked By:
Date:

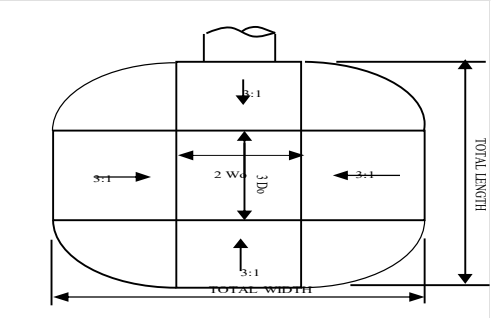
Detention Basin

BASIN 43+44
HW- 288

Criteria: N.J. Soil Erosion and Sediment Control Standards

INPUT

Q = 9.20 cfs
Pipe size, D(o) = 24 in
Width of outlet, Wo = 24 in
Tw = Scour Hole Depth = 1.00 ft
Depth of scour hole, Y = 1.00 ft



OUTPUT

Bottom length = 3 x Do
= 6.00 ft
Use bottom length = 6.0 ft

Bottom width = 2 x Wo
= 4.00 ft
Use bottom width = 4.0 ft

Total length = bottom length + 2 (3 x depth)
Total length = 12.0 ft

Total width = bottom width + 2 (3 x depth)
Total width = 10.0 ft

Stone Volume
4 cy

Since Y = 1/2 Do, d(50) = (0.0125/Tw)(Q/Do)^(4/3)
= 0.8 in
Use d(50) = 6 in

Th = 2*d(50) w/filter fabric
Th = 12 in w/filter fabric

Scour Hole Calculations

Project:
Location:

Computed By:
Checked By:
Date:

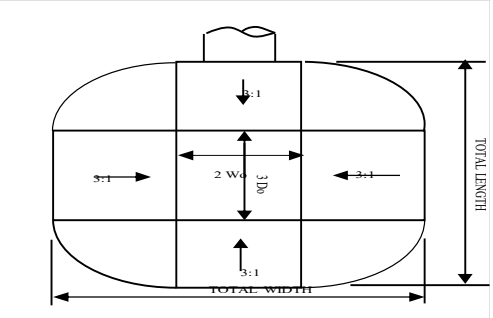
Detention Basin

BASIN 33
HW- 444

Criteria: N.J. Soil Erosion and Sediment Control Standards

INPUT

Q = 6.32 cfs
Pipe size, D(o) = 18 in
Width of outlet, Wo = 18 in
Tw = Scour Hole Depth = 0.75 ft
Depth of scour hole, Y = 0.75 ft



OUTPUT

Bottom length = 3 x Do
= 4.50 ft

Use bottom length = 4.5 ft

Bottom width = 2 x Wo
= 3.00 ft

Use bottom width = 3.0 ft

Total length = bottom length + 2 (3 x depth)

Total length = 9.0 ft

Total width = bottom width + 2 (3 x depth)

Total width = 7.5 ft

Stone Volume

2	**cy**

Since Y = 1/2 Do, d(50) = (0.0125/Tw)(Q/Do)^(4/3)
= 0.9 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Scour Hole Calculations

Project:
Location:

Computed By:
Checked By:
Date:

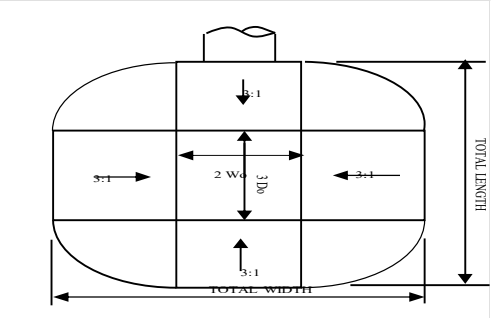
Detention Basin

BASIN 30'S
HW- A275(343)

Criteria: N.J. Soil Erosion and Sediment Control Standards

INPUT

Q = 51.06 cfs
Pipe size, D(o) = 60 in
Width of outlet, Wo = 60 in
Tw = Scour Hole Depth = 2.50 ft
Depth of scour hole, Y = 2.50 ft



OUTPUT

Bottom length = 3 x Do
= 15.00 ft
Use bottom length = 15.0 ft

Bottom width = 2 x Wo
= 10.00 ft
Use bottom width = 10.0 ft

Total length = bottom length + 2 (3 x depth)
Total length = 30.0 ft

Total width = bottom width + 2 (3 x depth)
Total width = 25.0 ft

Stone Volume
49 cy

Since Y = 1/2 Do, d(50) = (0.0125/Tw)(Q/Do)^(4/3)
= 0.9 in
Use d(50) = 6 in

Th = 2*d(50) w/filter fabric
Th = 12 in w/filter fabric

Scour Hole Calculations

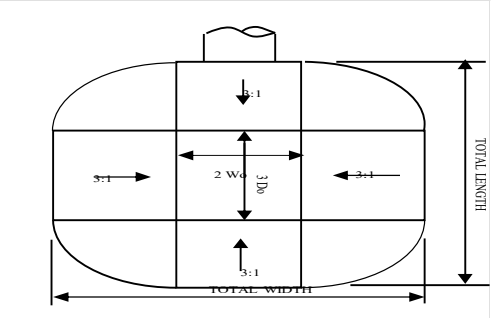
Computed By:
Project:
Checked By:
Location:
Date:

Detention Basin

BASIN 30
Criteria: N.J. Soil Erosion and Sediment Control Standards
HW- 463

INPUT

Q = 5.81 cfs
Pipe size, D(o) = 24 in
Width of outlet, Wo = 24 in
Tw = Scour Hole Depth = 1.00 ft
Depth of scour hole, Y = 1.00 ft



OUTPUT

Bottom length = 3 x Do
= 6.00 ft
Use bottom length = 6.0 ft

Bottom width = 2 x Wo
= 4.00 ft
Use bottom width = 4.0 ft

Total length = bottom length + 2 (3 x depth)
Total length = 12.0 ft

Total width = bottom width + 2 (3 x depth)
Total width = 10.0 ft

Stone Volume
4 cy

Since Y = 1/2 Do, d(50) = (0.0125/Tw)(Q/Do)^(4/3)
= 0.4 in
Use d(50) = 6 in

Th = 2*d(50) w/filter fabric
Th = 12 in w/filter fabric

Scour Hole Calculations

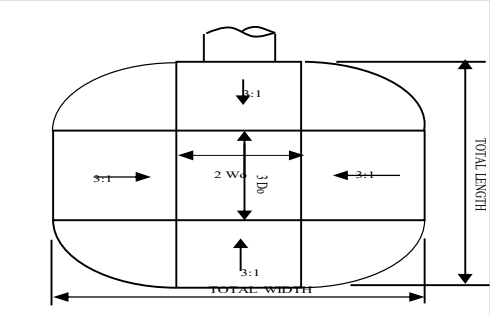
Computed By:
Project:
Checked By:
Location:
Date:

Detention Basin

Criteria: N.J. Soil Erosion and Sediment Control Standards **HW- 533**

INPUT

Q = 63.16 cfs
Pipe size, D(o) = 72 in
Width of outlet, Wo = 72 in
Tw = Scour Hole Depth = 3.00 ft
Depth of scour hole, Y = 3.00 ft



OUTPUT

Bottom length = 3 x Do
= 18.00 ft

Use bottom length = 18.0 ft

Bottom width = 2 x Wo
= 12.00 ft

Use bottom width = 12.0 ft

Total length = bottom length + 2 (3 x depth)

Total length = 36.0 ft

Total width = bottom width + 2 (3 x depth)

Total width = 30.0 ft

Stone Volume

84	**cy**

Since Y = 1/2 Do, d(50) = (0.0125/Tw)(Q/Do)^(4/3)
= 0.8 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Scour Hole Calculations

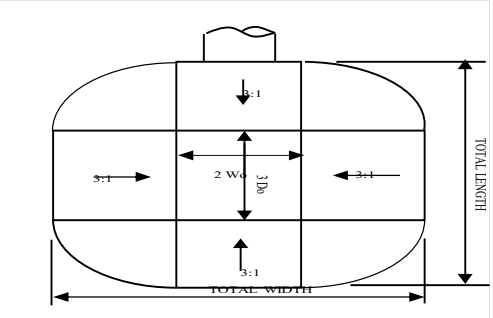
Computed By:
Project:
Checked By:
Location:
Date:

Detention Basin

BASIN 17A +17B
Criteria: N.J. Soil Erosion and Sediment Control Standards
HW-145

INPUT

Q = 3.24 cfs
Pipe size, D(o) = 24 in
Width of outlet, Wo = 24 in
Tw = Scour Hole Depth = 1.00 ft
Depth of scour hole, Y = 1.00 ft



OUTPUT

Bottom length = 3 x Do
= 6.00 ft
Use bottom length = 6.0 ft

Bottom width = 2 x Wo
= 4.00 ft
Use bottom width = 4.0 ft

Total length = bottom length + 2 (3 x depth)
Total length = 12.0 ft

Total width = bottom width + 2 (3 x depth)
Total width = 10.0 ft

Stone Volume
4 cy

Since Y = 1/2 Do, d(50) = (0.0125/Tw)(Q/Do)^(4/3)
= 0.2 in
Use d(50) = 6 in

Th = 2*d(50) w/filter fabric
Th = 12 in w/filter fabric

Scour Hole Calculations

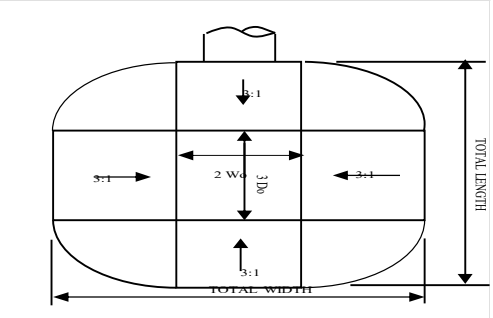
Computed By:
Project:
Checked By:
Location:
Date:

Detention Basin

16A + 16B
Criteria: N.J. Soil Erosion and Sediment Control Standards
HW-16

INPUT

Q = 5.84 cfs
Pipe size, D(o) = 18 in
Width of outlet, Wo = 18 in
Tw = Scour Hole Depth = 0.75 ft
Depth of scour hole, Y = 0.75 ft



OUTPUT

Bottom length = 3 x Do
= 4.50 ft
Use bottom length = 4.5 ft

Bottom width = 2 x Wo
= 3.00 ft
Use bottom width = 3.0 ft

Total length = bottom length + 2 (3 x depth)
Total length = 9.0 ft

Total width = bottom width + 2 (3 x depth)
Total width = 7.5 ft

Stone Volume
2 cy

Since Y = 1/2 Do, d(50) = (0.0125/Tw)(Q/Do)^(4/3)
= 0.8 in
Use d(50) = 6 in

Th = 2*d(50) w/filter fabric
Th = 12 in w/filter fabric

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formerly OMLAND ENGINEERING ASSOCIATES

Scour Hole Calculations

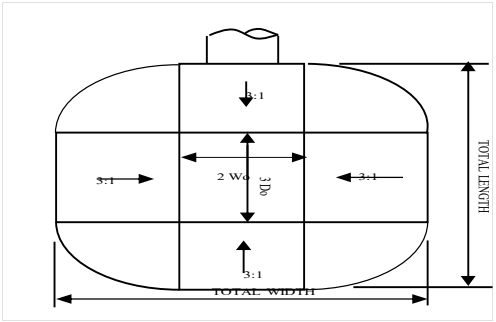
Computed By:
Project:
Checked By:
Location:
Date:

Detention Basin

Criteria: N.J. Soil Erosion and Sediment Control Standards **HW-85**

INPUT

Q = 24.65 cfs
Pipe size, D(o) = 36 in
Width of outlet, Wo = 36 in
Tw = Scour Hole Depth = 1.50 ft
Depth of scour hole, Y = 1.50 ft



OUTPUT

Bottom length = 3 x Do
= 9.00 ft
Use bottom length = 9.0 ft

Bottom width = 2 x Wo
= 6.00 ft
Use bottom width = 6.0 ft

Total length = bottom length + 2 (3 x depth)
Total length = 18.0 ft

Total width = bottom width + 2 (3 x depth)
Total width = 15.0 ft

Stone Volume
11 cy

Since Y = 1/2 Do, d(50) = (0.0125/Tw)(Q/Do)^(4/3)
= 1.1 in
Use d(50) = 6 in

Th = 2*d(50) w/filter fabric
Th = 12 in w/filter fabric

Scour Hole Calculations

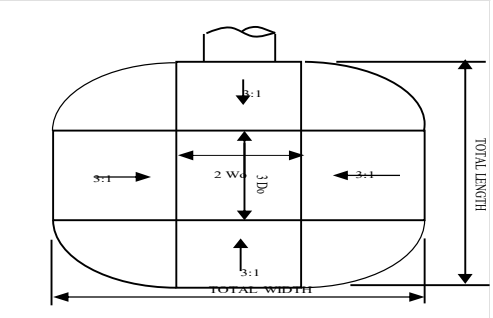
Computed By:
Project:
Checked By:
Location:
Date:

Detention Basin

BASIN 11
Criteria: N.J. Soil Erosion and Sediment Control Standards
HW-58

INPUT

Q = 4.70 cfs
Pipe size, D(o) = 24 in
Width of outlet, Wo = 24 in
Tw = Scour Hole Depth = 1.00 ft
Depth of scour hole, Y = 1.00 ft



OUTPUT

Bottom length = 3 x Do
= 6.00 ft
Use bottom length = 6.0 ft

Bottom width = 2 x Wo
= 4.00 ft
Use bottom width = 4.0 ft

Total length = bottom length + 2 (3 x depth)
Total length = 12.0 ft

Total width = bottom width + 2 (3 x depth)
Total width = 10.0 ft

Stone Volume
4 cy

Since Y = 1/2 Do, d(50) = (0.0125/Tw)(Q/Do)^(4/3)
= 0.3 in
Use d(50) = 6 in

Th = 2*d(50) w/filter fabric
Th = 12 in w/filter fabric

Scour Hole Calculations

Project:
Location:

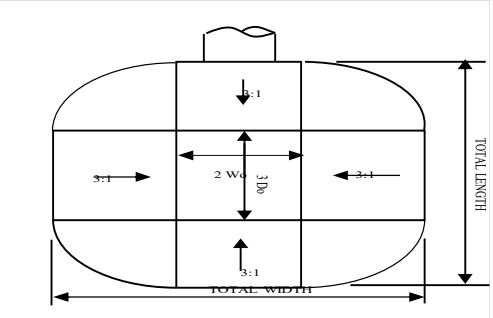
Computed By:
Checked By:
Date:

Detention Basin

Criteria: N.J. Soil Erosion and Sediment Control Standards **HW-A275(441)**

INPUT

Q = 17.26 cfs
Pipe size, D(o) = 18 in
Width of outlet, Wo = 18 in
Tw = Scour Hole Depth = 0.75 ft
Depth of scour hole, Y = 0.75 ft



OUTPUT

Bottom length = 3 x Do
= 4.50 ft

Use bottom length = 4.5 ft

Bottom width = 2 x Wo
= 3.00 ft

Use bottom width = 3.0 ft

Total length = bottom length + 2 (3 x depth)

Total length = 9.0 ft

Total width = bottom width + 2 (3 x depth)

Total width = 7.5 ft

Stone Volume

2	cy

Since Y = 1/2 Do, d(50) = (0.0125/Tw)(Q/Do)^(4/3)
= 3.4 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Scour Hole Calculations

Project:
Location:

Computed By:
Checked By:
Date:

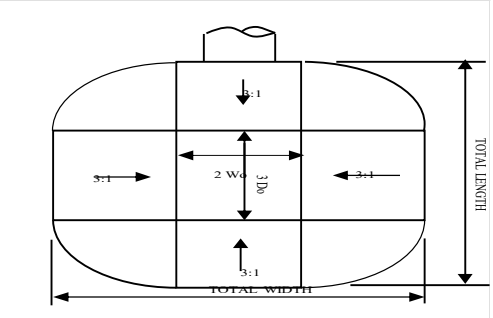
Detention Basin

BASIN 10
HW-569

Criteria: N.J. Soil Erosion and Sediment Control Standards

INPUT

Q = 1.97 cfs
Pipe size, D(o) = 18 in
Width of outlet, Wo = 18 in
Tw = Scour Hole Depth = 0.75 ft
Depth of scour hole, Y = 0.75 ft



OUTPUT

Bottom length = 3 x Do
= 4.50 ft

Use bottom length = 4.5 ft

Bottom width = 2 x Wo
= 3.00 ft

Use bottom width = 3.0 ft

Total length = bottom length + 2 (3 x depth)

Total length = 9.0 ft

Total width = bottom width + 2 (3 x depth)

Total width = 7.5 ft

Stone Volume

2	cy

Since Y = 1/2 Do, d(50) = (0.0125/Tw)(Q/Do)^(4/3)
= 0.2 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

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Scour Hole Calculations

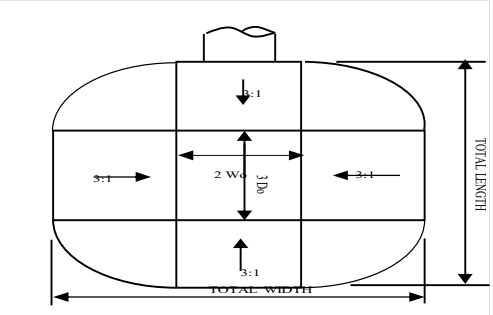
Computed By:
Project:
Checked By:
Location:
Date:

Detention Basin

Criteria: N.J. Soil Erosion and Sediment Control Standards **HW-40**

INPUT

Q = 0.18 cfs
Pipe size, D(o) = 18 in
Width of outlet, Wo = 18 in
Tw = Scour Hole Depth = 0.75 ft
Depth of scour hole, Y = 0.75 ft



OUTPUT

Bottom length = 3 x Do
= 4.50 ft

Use bottom length = 4.5 ft

Bottom width = 2 x Wo
= 3.00 ft

Use bottom width = 3.0 ft

Total length = bottom length + 2 (3 x depth)

Total length = 9.0 ft

Total width = bottom width + 2 (3 x depth)

Total width = 7.5 ft

Stone Volume

2	cy

Since Y = 1/2 Do, d(50) = (0.0125/Tw)(Q/Do)^(4/3)
= 0.0 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Scour Hole Calculations

Project:
Location:

Computed By:
Checked By:
Date:

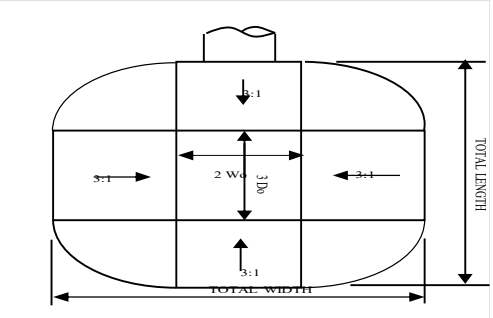
Detention Basin

BASIN 1
HW-3

Criteria: N.J. Soil Erosion and Sediment Control Standards

INPUT

Q = 0.29 cfs
Pipe size, D(o) = 30 in
Width of outlet, Wo = 30 in
Tw = Scour Hole Depth = 1.25 ft
Depth of scour hole, Y = 1.25 ft



OUTPUT

Bottom length = 3 x Do
= 7.50 ft

Use bottom length = 7.5 ft

Bottom width = 2 x Wo
= 5.00 ft

Use bottom width = 5.0 ft

Total length = bottom length + 2 (3 x depth)

Total length = 15.0 ft

Total width = bottom width + 2 (3 x depth)

Total width = 12.5 ft

Stone Volume

7	cy

Since Y = 1/2 Do, d(50) = (0.0125/Tw)(Q/Do)^(4/3)
= 0.0 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

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Scour Hole Calculations

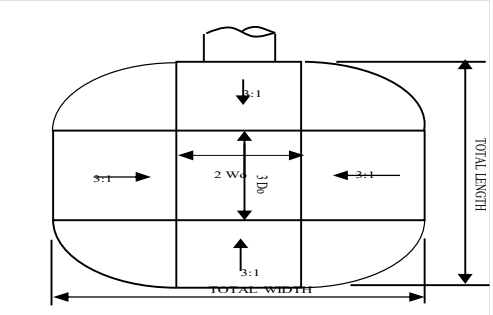
Computed By:
Project:
Checked By:
Location:
Date:

Detention Basin

Criteria: N.J. Soil Erosion and Sediment Control Standards **HW-10**

INPUT

Q = 0.29 cfs
Pipe size, D(o) = 30 in
Width of outlet, Wo = 30 in
Tw = Scour Hole Depth = 1.25 ft
Depth of scour hole, Y = 1.25 ft



OUTPUT

Bottom length = 3 x Do
= 7.50 ft
Use bottom length = 7.5 ft

Bottom width = 2 x Wo
= 5.00 ft
Use bottom width = 5.0 ft

Total length = bottom length + 2 (3 x depth)
Total length = 15.0 ft

Total width = bottom width + 2 (3 x depth)
Total width = 12.5 ft

Stone Volume
7 cy

Since Y = 1/2 Do, d(50) = (0.0125/Tw)(Q/Do)^(4/3)
= 0.0 in
Use d(50) = 6 in

Th = 2*d(50) w/filter fabric
Th = 12 in w/filter fabric

Scour Hole Calculations

Project:
Location:

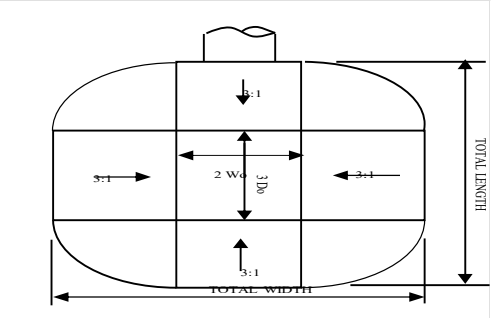
Computed By:
Checked By:
Date:

Detention Basin

Criteria: N.J. Soil Erosion and Sediment Control Standards **HW-34**

INPUT

Q = 7.80 cfs
Pipe size, D(o) = 24 in
Width of outlet, Wo = 24 in
Tw = Scour Hole Depth = 1.00 ft
Depth of scour hole, Y = 1.00 ft



OUTPUT

Bottom length = 3 x Do
= 6.00 ft

Use bottom length = 6.0 ft

Bottom width = 2 x Wo
= 4.00 ft

Use bottom width = 4.0 ft

Total length = bottom length + 2 (3 x depth)

Total length = 12.0 ft

Total width = bottom width + 2 (3 x depth)

Total width = 10.0 ft

Stone Volume

4	cy

Since Y = 1/2 Do, d(50) = (0.0125/Tw)(Q/Do)^(4/3)
= 0.6 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Scour Hole Calculations

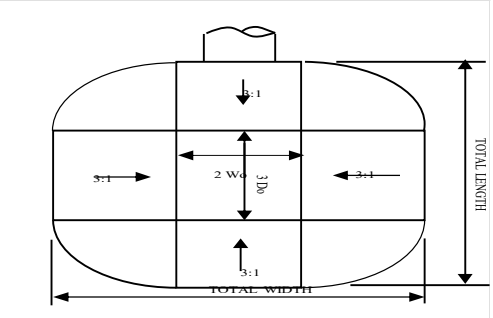
Computed By:
Project:
Checked By:
Location:
Date:

Detention Basin

Criteria: N.J. Soil Erosion and Sediment Control Standards **HW- 188**

INPUT

Q = 11.69 cfs
Pipe size, D(o) = 15 in
Width of outlet, Wo = 15 in
Tw = Scour Hole Depth = 0.63 ft
Depth of scour hole, Y = 0.63 ft



OUTPUT

Bottom length = 3 x Do
= 3.75 ft
Use bottom length = 3.8 ft

Bottom width = 2 x Wo
= 2.50 ft
Use bottom width = 2.5 ft

Total length = bottom length + 2 (3 x depth)
Total length = 7.6 ft

Total width = bottom width + 2 (3 x depth)
Total width = 6.3 ft

Stone Volume
1 cy

Since Y = 1/2 Do, d(50) = (0.0125/Tw)(Q/Do)^(4/3)
= 3.1 in
Use d(50) = 6 in

Th = 2*d(50) w/filter fabric
Th = 12 in w/filter fabric

Scour Hole Calculations

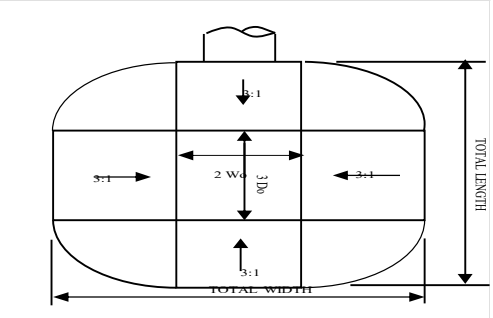
Computed By:
Project:
Checked By:
Location:
Date:

Detention Basin

Criteria: N.J. Soil Erosion and Sediment Control Standards **HW- 166**

INPUT

Q = 11.69 cfs
Pipe size, D(o) = 24 in
Width of outlet, Wo = 24 in
Tw = Scour Hole Depth = 1.00 ft
Depth of scour hole, Y = 1.00 ft



OUTPUT

Bottom length = 3 x Do
= 6.00 ft

Use bottom length = 6.0 ft

Bottom width = 2 x Wo
= 4.00 ft

Use bottom width = 4.0 ft

Total length = bottom length + 2 (3 x depth)

Total length = 12.0 ft

Total width = bottom width + 2 (3 x depth)

Total width = 10.0 ft

Stone Volume

4	cy

Since Y = 1/2 Do, d(50) = (0.0125/Tw)(Q/Do)^(4/3)
= 1.0 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Scour Hole Calculations

Project:
Location:

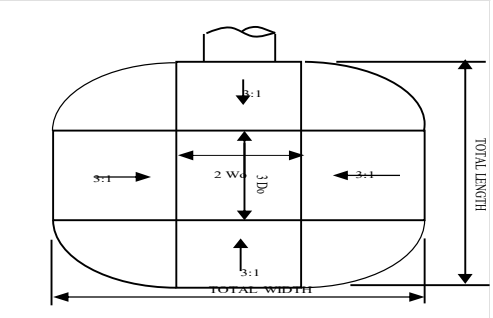
Computed By:
Checked By:
Date:

Detention Basin

Criteria: N.J. Soil Erosion and Sediment Control Standards **HW- 199**

INPUT

Q = 12.46 cfs
Pipe size, D(o) = 15 in
Width of outlet, Wo = 15 in
Tw = Scour Hole Depth = 0.63 ft
Depth of scour hole, Y = 0.63 ft



OUTPUT

Bottom length = 3 x Do
= 3.75 ft

Use bottom length = 3.8 ft

Bottom width = 2 x Wo
= 2.50 ft

Use bottom width = 2.5 ft

Total length = bottom length + 2 (3 x depth)

Total length = 7.6 ft

Total width = bottom width + 2 (3 x depth)

Total width = 6.3 ft

Stone Volume

1	cy

Since Y = 1/2 Do, d(50) = (0.0125/Tw)(Q/Do)^(4/3)
= 3.4 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

Scour Hole Calculations

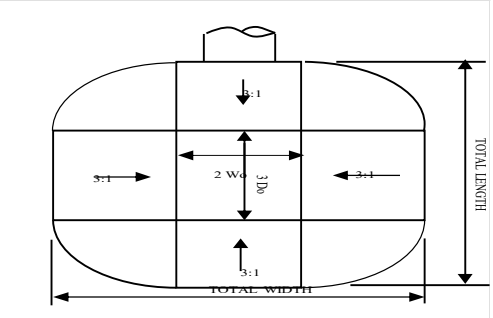
Computed By:
Project:
Checked By:
Location:
Date:

Detention Basin

Criteria: N.J. Soil Erosion and Sediment Control Standards **HW- 640**

INPUT

Q = 12.46 cfs
Pipe size, D(o) = 15 in
Width of outlet, Wo = 15 in
Tw = Scour Hole Depth = 0.63 ft
Depth of scour hole, Y = 0.63 ft



OUTPUT

Bottom length = 3 x Do
= 3.75 ft
Use bottom length = 3.8 ft

Bottom width = 2 x Wo
= 2.50 ft
Use bottom width = 2.5 ft

Total length = bottom length + 2 (3 x depth)
Total length = 7.6 ft

Total width = bottom width + 2 (3 x depth)
Total width = 6.3 ft

Stone Volume
1 cy

Since Y = 1/2 Do, d(50) = (0.0125/Tw)(Q/Do)^(4/3)
= 3.4 in
Use d(50) = 6 in

Th = 2*d(50) w/filter fabric
Th = 12 in w/filter fabric

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Scour Hole Calculations

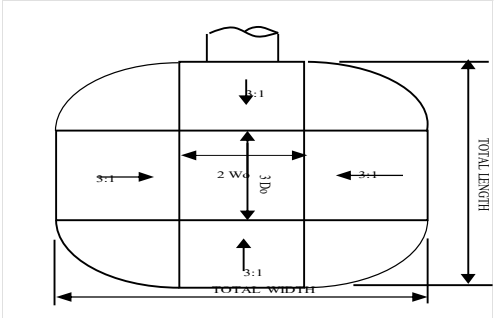
Computed By:
Project:
Checked By:
Location:
Date:

Detention Basin

Criteria: N.J. Soil Erosion and Sediment Control Standards **HW- 632**

INPUT

Q = 6.47 cfs
Pipe size, D(o) = 30 in
Width of outlet, Wo = 30 in
Tw = Scour Hole Depth = 1.25 ft
Depth of scour hole, Y = 1.25 ft



OUTPUT

Bottom length = 3 x Do
= 7.50 ft
Use bottom length = 7.5 ft

Bottom width = 2 x Wo
= 5.00 ft
Use bottom width = 5.0 ft

Total length = bottom length + 2 (3 x depth)
Total length = 15.0 ft

Total width = bottom width + 2 (3 x depth)
Total width = 12.5 ft

Stone Volume
7 cy

Since Y = 1/2 Do, d(50) = (0.0125/Tw)(Q/Do)^(4/3)
= 0.3 in
Use d(50) = 6 in

Th = 2*d(50) w/filter fabric
Th = 12 in w/filter fabric

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Scour Hole Calculations

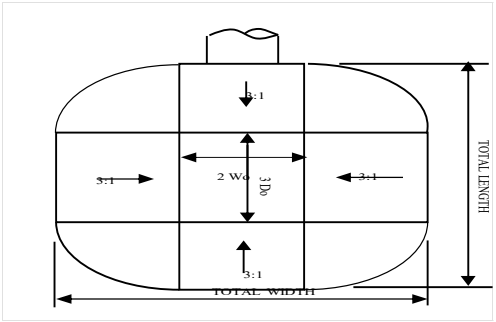
Computed By:
Project:
Checked By:
Location:
Date:

Detention Basin

Criteria: N.J. Soil Erosion and Sediment Control Standards **HW- 636**

INPUT

Q = 35.48 cfs
Pipe size, D(o) = 30 in
Width of outlet, Wo = 30 in
Tw = Scour Hole Depth = 1.25 ft
Depth of scour hole, Y = 1.25 ft



OUTPUT

Bottom length = 3 x Do
= 7.50 ft

Use bottom length = 7.5 ft

Bottom width = 2 x Wo
= 5.00 ft

Use bottom width = 5.0 ft

Total length = bottom length + 2 (3 x depth)

Total length = 15.0 ft

Total width = bottom width + 2 (3 x depth)

Total width = 12.5 ft

Stone Volume

7	cy

Since Y = 1/2 Do, d(50) = (0.0125/Tw)(Q/Do)^(4/3)
= 2.7 in

Use d(50) = 6 in

Th = 2*d(50) w/filter fabric

Th = 12 in w/filter fabric

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Scour Hole Calculations

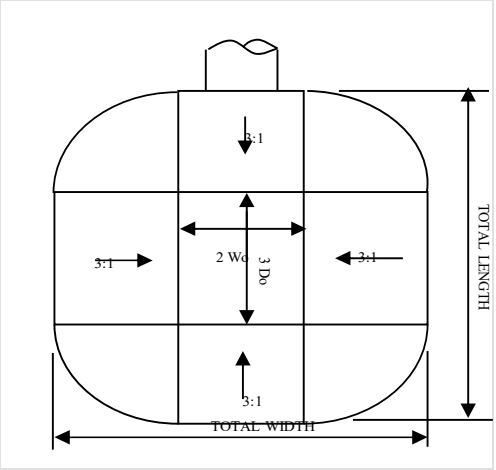
Computed By:
Project:
Checked By:
Location:
Date:

Detention Basin

Criteria: N.J. Soil Erosion and Sediment Control Standards

INPUT

Q = 5.93 cfs
Pipe size, D(o) = 18 in
Width of outlet, Wo = 18 in
Tw = Scour Hole Depth = 0.75 ft
Depth of scour hole, Y = 0.75 ft



OUTPUT

Bottom length = 3 x Do
= 4.50 ft
Use bottom length = 4.5 ft

Bottom width = 2 x Wo
= 3.00 ft
Use bottom width = 3.0 ft

Total length = bottom length + 2 (3 x depth)
Total length = 9.0 ft

Total width = bottom width + 2 (3 x depth)
Total width = 7.5 ft

Stone Volume
2 cy

Since Y = 1/2 Do, d(50) = (0.0125/Tw)(Q/Do)^(4/3)
= 0.8 in
Use d(50) = 6 in

Th = 2*d(50) w/filter fabric
Th = 12 in w/filter fabric

APPENDIX 10
TIME OF CONCENTRATION CALCULATIONS

Bowman CONSULTING	PROJECT: VENUE AT HOPEWELL	JOB NO. 081391-01-001	
		SHEET	DATE
		BY: AG	9/18/2025
	SUBJECT: Tc Calculations	CHK'D SAD	

Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: EXISTING

Area EDA-1

SHEET FLOW

Segment ID		A			
Surface Description (Table 15-1)		Pavement			
Manning's Coefficient, n (Table 15-1)		0.24			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.35			
Land Slope, s	(ft/ft)	0.0122			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.283			0.283

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		Grass			
Flow Length, L	(ft)	942			
Watercourse slope, s	(ft/ft)	0.0284			
Average Velocity, V (Figure 15-4)	(ft/s)	2.5			
Computed Tt = L / 3600V	(hrs)	0.105			0.105

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)	6.000			
Wetted Perimeter, Pw	(ft)	12.170			
Hydraulic Radius, r =a/Pw	(ft)	0.490			
Channel Slope (ft/ft)	(ft/ft)	0.018			
Manning's Roughness Coefficient, n		0.030			
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)	4.16			
Flow Length, L	(ft)	2116			
Computed Tt = L / 3600V	(hrs)	0.141			0.141

Watershed or subarea Tc	0.529	hrs.
	31.7	min.

Use Tc = 31.7 min

Bowman CONSULTING	PROJECT: VENUE AT HOPEWELL	JOB NO. 081391-01-001	
		SHEET	DATE
		BY: AG	9/18/2025
	SUBJECT: Tc Calculations	CHK'D SAD	

Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: EXISTING

Area EDA-2

SHEET FLOW

Segment ID		A			
Surface Description (Table 15-1)		Cultivated Soils			
Manning's Coefficient, n (Table 15-1)		0.17			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.35			
Land Slope, s	(ft/ft)	0.0070			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.268			0.268

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		Cultivated Soils	Grass		
Flow Length, L	(ft)	637	738		
Watercourse slope, s	(ft/ft)	0.0295	0.0557		
Average Velocity, V (Figure 15-4)	(ft/s)	1.5	3.6		
Computed Tt = L / 3600V	(hrs)	0.118	0.057		0.175

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.443	hrs.
	26.6	min.

Use Tc = 26.6 min

Bowman CONSULTING	PROJECT: VENUE AT HOPEWELL	JOB NO. 081391-01-001	
		SHEET	DATE
		BY: AG	9/18/2025
	SUBJECT: Tc Calculations	CHK'D SAD	

Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: EXISTING

Area EDA-3

SHEET FLOW

Segment ID		A			
Surface Description (Table 15-1)		Cultivated Soils			
Manning's Coefficient, n (Table 15-1)		0.17			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.35			
Land Slope, s	(ft/ft)	0.002			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.427			0.427

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		Cultivated Soils	Grass		
Flow Length, L	(ft)	522	1426		
Watercourse slope, s	(ft/ft)	0.0126	0.0226		
Average Velocity, V (Figure 15-4)	(ft/s)	1.0	2.5		
Computed Tt = L / 3600V	(hrs)	0.145	0.158		0.303

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.730	hrs.
	43.8	min.

Use Tc = 40.4 min

Bowman CONSULTING	PROJECT: VENUE AT HOPEWELL	JOB NO. 081391-01-001	
		SHEET	DATE
		BY: AG	9/18/2025
	SUBJECT: Tc Calculations	CHK'D SAD	

Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: EXISTING

Area EDA-4

SHEET FLOW

Segment ID		A			
Surface Description (Table 15-1)		CULTIVATED SOILS			
Manning's Coefficient, n (Table 15-1)		0.17			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.35			
Land Slope, s	(ft/ft)	0.0042			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.329			0.329

SHALLOW CONCENTRATED FLOW

Segment ID		B	C	D	
Surface Description (paved or unpaved)		CULTIVATED SOILS	GRASS		
Flow Length, L	(ft)	705	1379		
Watercourse slope, s	(ft/ft)	0.0164	0.0300		
Average Velocity, V (Figure 15-4)	(ft/s)	1.3	2.8		
Computed Tt = L / 3600V	(hrs)	0.157	0.137		0.294

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.623	hrs.
	37.4	min.

Use Tc = 37.4 min

Bowman CONSULTING	PROJECT: VENUE AT HOPEWELL	JOB NO. 081391-01-001	
		SHEET	DATE
		BY: AG	9/18/2025
	SUBJECT: Tc Calculations	CHK'D SAD	

Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: EXISTING

Area EDA-5

SHEET FLOW

Segment ID		A			
Surface Description (Table 15-1)		CULTIVATED SOILS			
Manning's Coefficient, n (Table 15-1)		0.17			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.35			
Land Slope, s	(ft/ft)	0.0045			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.320			0.320

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		CULTIVATED SOILS			
Flow Length, L	(ft)	1048			
Watercourse slope, s	(ft/ft)	0.0184			
Average Velocity, V (Figure 15-4)	(ft/s)	1.2			
Computed Tt = L / 3600V	(hrs)	0.253			0.253

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.574	hrs.
	34.4	min.

Use Tc = 34.4 min

Bowman CONSULTING	PROJECT: VENUE AT HOPEWELL	JOB NO. 081391-01-001	
		SHEET	DATE
		BY: AG	9/18/2025
	SUBJECT: Tc Calculations	CHK'D SAD	

Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: EXISTING

Area EDA-6

SHEET FLOW

Segment ID		A			
Surface Description (Table 15-1)		CULTIVATED SOILS			
Manning's Coefficient, n (Table 15-1)		0.17			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.35			
Land Slope, s	(ft/ft)	0.0051			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.305			0.305

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		CULTIVATED SOILS	GRASS		
Flow Length, L	(ft)	207	600		
Watercourse slope, s	(ft/ft)	0.0091	0.0370		
Average Velocity, V (Figure 15-4)	(ft/s)	0.9	3.1		
Computed Tt = L / 3600V	(hrs)	0.068	0.054		0.121

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)	6.000			
Wetted Perimeter, Pw	(ft)	12.170			
Hydraulic Radius, r =a/Pw	(ft)	0.490			
Channel Slope (ft/ft)	(ft/ft)	0.026			
Manning's Roughness Coefficient, n		0.030			
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)	4.98			
Flow Length, L	(ft)	191			
Computed Tt = L / 3600V	(hrs)	0.011			0.011

Watershed or subarea Tc	0.437	hrs.
	26.2	min.

Use Tc = 26.2 min

Bowman CONSULTING	PROJECT: VENUE AT HOPEWELL	JOB NO. 081391-01-001	
		SHEET	DATE
		BY: JDR	7/15/2025
	SUBJECT: Tc Calculations	CHK'D SAD	

Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 45 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400	0.240		
Flow Length, L (total <= 100)	(ft)	56	0		
Two Year Rainfall, P	(in)	3.32	3.32		
Land Slope, s	(ft/ft)	0.2300	0.230		
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.055	0.000		0.055

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED			
Flow Length, L	(ft)	0			
Watercourse slope, s	(ft/ft)	0.0000			
Average Velocity, V (Figure 15-4)	(ft/s)	#VALUE!			
Computed Tt = L / 3600V	(hrs)	#VALUE!			0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.055	hrs.
	3.3	min.

Use Tc = 3.3 min

Bowman CONSULTING	PROJECT: VENUE AT HOPEWELL	JOB NO. 081391-01-001	
		SHEET	DATE
		BY: JDR	6/17/2024
	SUBJECT: Tc Calculations	CHK'D SAD	

Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 45 IMPERVIOUS

SHEET FLOW

Segment ID		A			
Surface Description (Table 15-1)		Pavement			
Manning's Coefficient, n (Table 15-1)		0.0110			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0100			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.026			0.026

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		PAVED			
Flow Length, L	(ft)	433			
Watercourse slope, s	(ft/ft)	0.0100			
Average Velocity, V (Figure 15-4)	(ft/s)	2.0			
Computed Tt = L / 3600V	(hrs)	0.060			0.060

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.086	hrs.
	5.2	min.

Use Tc = 5.2 min

Bowman CONSULTING	PROJECT: VENUE AT HOPEWELL	JOB NO. 081391-01-001	
		SHEET	DATE
		BY: JDR	6/17/2024
	SUBJECT: Tc Calculations	CHK'D SAD	

Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 22 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0720			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.140			0.140

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED			
Flow Length, L	(ft)	201			
Watercourse slope, s	(ft/ft)	0.0720			
Average Velocity, V (Figure 15-4)	(ft/s)	4.0			
Computed Tt = L / 3600V	(hrs)	0.014			0.014

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.154	hrs.
	9.2	min.

Use Tc = 9.2 min

Bowman CONSULTING	PROJECT: VENUE AT HOPEWELL	JOB NO. 081391-01-001	
		SHEET	DATE
		BY: JDR	6/17/2024
	SUBJECT: Tc Calculations	CHK'D SAD	

Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 22 IMPERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Pavement			
Manning's Coefficient, n (Table 15-1)		0.0110			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0590			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.013			0.013

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		PAVED			
Flow Length, L	(ft)	144			
Watercourse slope, s	(ft/ft)	0.0590			
Average Velocity, V (Figure 15-4)	(ft/s)	4.6			
Computed Tt = L / 3600V	(hrs)	0.009			0.009

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.022	hrs.
	1.3	min.

Use Tc = 1.3 min

Bowman CONSULTING	PROJECT: VENUE AT HOPEWELL	JOB NO. 081391-01-001	
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		BY: JDR	6/17/2024
	SUBJECT: Tc Calculations	CHK'D SAD	

Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 25 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0640			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.147			0.147

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED			
Flow Length, L	(ft)	170			
Watercourse slope, s	(ft/ft)	0.0640			
Average Velocity, V (Figure 15-4)	(ft/s)	4.0			
Computed Tt = L / 3600V	(hrs)	0.012			0.012

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.158	hrs.
	9.5	min.

Use Tc = 9.5 min

Bowman CONSULTING	PROJECT: VENUE AT HOPEWELL	JOB NO. 081391-01-001	
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		BY: JDR	6/17/2024
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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 25 IMPERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Paved			
Manning's Coefficient, n (Table 15-1)		0.0110			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0380			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.015			0.015

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		Paved			
Flow Length, L	(ft)	307			
Watercourse slope, s	(ft/ft)	0.0380			
Average Velocity, V (Figure 15-4)	(ft/s)	3.8			
Computed Tt = L / 3600V	(hrs)	0.023			0.023

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.038	hrs.
	2.3	min.

Use Tc = 2.3 min

Bowman CONSULTING	PROJECT: VENUE AT HOPEWELL	JOB NO. 081391-01-001	
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	SUBJECT: Tc Calculations	CHK'D SAD	

Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 26 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0870			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.130			0.130

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED			
Flow Length, L	(ft)	88			
Watercourse slope, s	(ft/ft)	0.0870			
Average Velocity, V (Figure 15-4)	(ft/s)	4.0			
Computed Tt = L / 3600V	(hrs)	0.006			0.006

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.136	hrs.
	8.1	min.

Use Tc = 8.1 min

Bowman CONSULTING	PROJECT: VENUE AT HOPEWELL	JOB NO. 081391-01-001	
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	SUBJECT: Tc Calculations	CHK'D SAD	

Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 26 IMPERVIOUS (N/A)

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)					
Flow Length, L (total <= 100)	(ft)				
Two Year Rainfall, P	(in)				
Land Slope, s	(ft/ft)				
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)					
Flow Length, L	(ft)				
Watercourse slope, s	(ft/ft)				
Average Velocity, V (Figure 15-4)	(ft/s)	#VALUE!			
Computed Tt = L / 3600V	(hrs)	#VALUE!			#VALUE!

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	#DIV/0!	hrs.
	#DIV/0!	min.

Use Tc = 0 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 23 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0600			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.150			0.150

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED			
Flow Length, L	(ft)	308			
Watercourse slope, s	(ft/ft)	0.0450			
Average Velocity, V (Figure 15-4)	(ft/s)	3.4			
Computed Tt = L / 3600V	(hrs)	0.025			0.025

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.176	hrs.
	10.5	min.

Use Tc = 10.5 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 23 IMPERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Paved	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.0110			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0270			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.018			0.018

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		Paved			
Flow Length, L	(ft)	119			
Watercourse slope, s	(ft/ft)	0.0270			
Average Velocity, V (Figure 15-4)	(ft/s)	3.2			
Computed Tt = L / 3600V	(hrs)	0.010			0.010

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.028	hrs.
	1.7	min.

Use Tc = 1.7 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 21 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.1000			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.123			0.123

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED			
Flow Length, L	(ft)	130			
Watercourse slope, s	(ft/ft)	0.1000			
Average Velocity, V (Figure 15-4)	(ft/s)	5.4			
Computed Tt = L / 3600V	(hrs)	0.007			0.007

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.129	hrs.
	7.8	min.

Use Tc = 7.8 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 21 IMPERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Paved	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.0110			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0500			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.014			0.014

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		Paved			
Flow Length, L	(ft)	153			
Watercourse slope, s	(ft/ft)	0.0500			
Average Velocity, V (Figure 15-4)	(ft/s)	4.6			
Computed Tt = L / 3600V	(hrs)	0.009			0.009

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.023	hrs.
	1.4	min.

Use Tc = 1.4 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 47 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0150			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.262			0.262

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED			
Flow Length, L	(ft)	163			
Watercourse slope, s	(ft/ft)	0.0150			
Average Velocity, V (Figure 15-4)	(ft/s)	1.9			
Computed Tt = L / 3600V	(hrs)	0.024			0.024

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.286	hrs.
	17.1	min.

Use Tc = 17.1 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 47 IMPERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Paved	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.0110			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0100			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.026			0.026

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		Paved			
Flow Length, L	(ft)	348			
Watercourse slope, s	(ft/ft)	0.0100			
Average Velocity, V (Figure 15-4)	(ft/s)	2.0			
Computed Tt = L / 3600V	(hrs)	0.048			0.048

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.074	hrs.
	4.5	min.

Use Tc = 4.5 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 57 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	94			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0780			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.129			0.129

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED			
Flow Length, L	(ft)				
Watercourse slope, s	(ft/ft)	0.0150			
Average Velocity, V (Figure 15-4)	(ft/s)	1.9			
Computed Tt = L / 3600V	(hrs)	-			0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.129	hrs.
	7.7	min.

Use Tc = 7.7 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 57 IMPERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Pavement	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.0110			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0200			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.020			0.020

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		PAVED			
Flow Length, L	(ft)	288			
Watercourse slope, s	(ft/ft)	0.0200			
Average Velocity, V (Figure 15-4)	(ft/s)	2.9			
Computed Tt = L / 3600V	(hrs)	0.028			0.028

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.048	hrs.
	2.9	min.

Use Tc = 2.9 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 58 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0300			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.199			0.199

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	220			
Watercourse slope, s	(ft/ft)	0.0270			
Average Velocity, V (Figure 15-4)	(ft/s)	2.5			
Computed Tt = L / 3600V	(hrs)	0.024	-	0.00000	0.024

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.223	hrs.
	13.4	min.

Use Tc = 13.4 **min**

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 58 IMPERVIOUS (N/A)

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)					
Flow Length, L (total <= 100)	(ft)				
Two Year Rainfall, P	(in)				
Land Slope, s	(ft/ft)				
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)					
Flow Length, L	(ft)				
Watercourse slope, s	(ft/ft)				
Average Velocity, V (Figure 15-4)	(ft/s)	#VALUE!			
Computed Tt = L / 3600V	(hrs)	#VALUE!			#VALUE!

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	#DIV/0!	hrs.
	#DIV/0!	min.

Use Tc = 0 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 56 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	35			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.1800			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.042			0.042

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)				
Watercourse slope, s	(ft/ft)	0.0270			
Average Velocity, V (Figure 15-4)	(ft/s)	2.5			
Computed Tt = L / 3600V	(hrs)	-	-	0.00000	0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.042	hrs.
	2.5	min.

Use Tc = 2.5 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 56 IMPERVIOUS (N/A)

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)					
Flow Length, L (total <= 100)	(ft)				
Two Year Rainfall, P	(in)				
Land Slope, s	(ft/ft)				
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)					
Flow Length, L	(ft)				
Watercourse slope, s	(ft/ft)				
Average Velocity, V (Figure 15-4)	(ft/s)	#VALUE!			
Computed Tt = L / 3600V	(hrs)	#VALUE!			#VALUE!

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	#DIV/0!	hrs.
	#DIV/0!	min.

Use Tc = 0 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 55 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	21			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.1900			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.027			0.027

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)				
Watercourse slope, s	(ft/ft)	0.0270			
Average Velocity, V (Figure 15-4)	(ft/s)	2.5			
Computed Tt = L / 3600V	(hrs)	-	-	0.00000	0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.027	hrs.
	1.6	min.

Use Tc = 1.6 **min**

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 55 IMPERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Paved	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.0110			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0210			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.019			0.019

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		PAVED			
Flow Length, L	(ft)	307			
Watercourse slope, s	(ft/ft)	0.0210			
Average Velocity, V (Figure 15-4)	(ft/s)	2.9			
Computed Tt = L / 3600V	(hrs)	0.030			0.030

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.049	hrs.
	3.0	min.

Use Tc = 3.0 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 51 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.1000			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.123			0.123

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	96			
Watercourse slope, s	(ft/ft)	0.0630			
Average Velocity, V (Figure 15-4)	(ft/s)	4.0			
Computed Tt = L / 3600V	(hrs)	0.007	-	0.00000	0.007

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.129	hrs.
	7.8	min.

Use Tc = 7.8 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 51 IMPERVIOUS (N/A)

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)					
Flow Length, L (total <= 100)	(ft)				
Two Year Rainfall, P	(in)				
Land Slope, s	(ft/ft)				
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)					
Flow Length, L	(ft)				
Watercourse slope, s	(ft/ft)				
Average Velocity, V (Figure 15-4)	(ft/s)	#VALUE!			
Computed Tt = L / 3600V	(hrs)	#VALUE!			#VALUE!

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	#DIV/0!	hrs.
	#DIV/0!	min.

Use Tc = 0 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 50 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	71			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0800			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.102			0.102

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)				
Watercourse slope, s	(ft/ft)	0.0630			
Average Velocity, V (Figure 15-4)	(ft/s)	4.0			
Computed Tt = L / 3600V	(hrs)	-	-	0.00000	0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.102	hrs.
	6.1	min.

Use Tc = 6.1 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 50 IMPERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		PAVED	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.0110			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0250			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.018			0.018

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		PAVED			
Flow Length, L	(ft)	309			
Watercourse slope, s	(ft/ft)	0.0250			
Average Velocity, V (Figure 15-4)	(ft/s)	3.2			
Computed Tt = L / 3600V	(hrs)	0.027			0.027

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.045	hrs.
	2.7	min.

Use Tc = 2.7 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 49 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	71			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0800			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.102			0.102

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)				
Watercourse slope, s	(ft/ft)	0.0630			
Average Velocity, V (Figure 15-4)	(ft/s)	4.0			
Computed Tt = L / 3600V	(hrs)	-	-	0.00000	0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.102	hrs.
	6.1	min.

Use Tc = 6.1 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 49 IMPERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		PAVED			
Manning's Coefficient, n (Table 15-1)		0.0110			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0100			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.026			0.026

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		PAVED			
Flow Length, L	(ft)	329			
Watercourse slope, s	(ft/ft)	0.0100			
Average Velocity, V (Figure 15-4)	(ft/s)	2.0			
Computed Tt = L / 3600V	(hrs)	0.046			0.046

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.072	hrs.
	4.3	min.

Use Tc = 4.3 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 48 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0410			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.175			0.175

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	9			
Watercourse slope, s	(ft/ft)	0.0410			
Average Velocity, V (Figure 15-4)	(ft/s)	3.2			
Computed Tt = L / 3600V	(hrs)	0.001	-	0.00000	0.001

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.176	hrs.
	10.6	min.

Use Tc = 10.6 **min**

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Watershed or Subarea Designation: PROPOSED

Area PDA 48 IMPERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Pavement	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.0110			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0240			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.018			0.018

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)					
Flow Length, L	(ft)	349			
Watercourse slope, s	(ft/ft)	0.0240			
Average Velocity, V (Figure 15-4)	(ft/s)	2.9			
Computed Tt = L / 3600V	(hrs)	0.034			0.034

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.052	hrs.
	3.1	min.

Use Tc = 3.1 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 46A PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	38			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.2200			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.041			0.041

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	0			
Watercourse slope, s	(ft/ft)	0.0410			
Average Velocity, V (Figure 15-4)	(ft/s)	3.2			
Computed Tt = L / 3600V	(hrs)	-	-	0.00000	0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.041	hrs.
	2.5	min.

Use Tc = 2.5 min

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Watershed or Subarea Designation: PROPOSED

Area PDA 46A IMPERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Paved	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.0110			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0220			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.019			0.019

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		PAVED			
Flow Length, L	(ft)	159			
Watercourse slope, s	(ft/ft)	0.0220			
Average Velocity, V (Figure 15-4)	(ft/s)	2.9			
Computed Tt = L / 3600V	(hrs)	0.015			0.015

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.035	hrs.
	2.1	min.

Use Tc = 2.1 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 46B PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	73			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.1200			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.089			0.089

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	0			
Watercourse slope, s	(ft/ft)	0.0410			
Average Velocity, V (Figure 15-4)	(ft/s)	3.2			
Computed Tt = L / 3600V	(hrs)	-	-	0.00000	0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.089	hrs.
	5.3	min.

Use Tc = 5.3 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 46B IMPERVIOUS (N/A)

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)					
Flow Length, L (total <= 100)	(ft)				
Two Year Rainfall, P	(in)				
Land Slope, s	(ft/ft)				
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)					
Flow Length, L	(ft)				
Watercourse slope, s	(ft/ft)				
Average Velocity, V (Figure 15-4)	(ft/s)	#VALUE!			
Computed Tt = L / 3600V	(hrs)	#VALUE!			#VALUE!

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	#DIV/0!	hrs.
	#DIV/0!	min.

Use Tc = 0 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 43 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0300			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.199			0.199

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	22			
Watercourse slope, s	(ft/ft)	0.3200			
Average Velocity, V (Figure 15-4)	(ft/s)	7.5			
Computed Tt = L / 3600V	(hrs)	0.001	-	0.00000	0.001

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.199	hrs.
	12.0	min.

Use Tc = 12 **min**

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 43 IMPERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		PAVED	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.0110			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0200			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.020			0.020

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		PAVED			
Flow Length, L	(ft)	100			
Watercourse slope, s	(ft/ft)	0.0200			
Average Velocity, V (Figure 15-4)	(ft/s)	2.9			
Computed Tt = L / 3600V	(hrs)	0.010			0.010

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.030	hrs.
	1.8	min.

Use Tc = 1.8 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 42 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	22			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.3000			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.024			0.024

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	0			
Watercourse slope, s	(ft/ft)	0.3200			
Average Velocity, V (Figure 15-4)	(ft/s)	7.5			
Computed Tt = L / 3600V	(hrs)	-	-	0.00000	0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.024	hrs.
	1.4	min.

Use Tc = 1.4 **min**

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 42 IMPERVIOUS (N/A)

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)					
Flow Length, L (total <= 100)	(ft)				
Two Year Rainfall, P	(in)				
Land Slope, s	(ft/ft)				
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)					
Flow Length, L	(ft)				
Watercourse slope, s	(ft/ft)				
Average Velocity, V (Figure 15-4)	(ft/s)	#VALUE!			
Computed Tt = L / 3600V	(hrs)	#VALUE!			#VALUE!

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	#DIV/0!	hrs.
	#DIV/0!	min.

Use Tc = 0 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 41 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	16			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.3400			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.017			0.017

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	0			
Watercourse slope, s	(ft/ft)	0.3200			
Average Velocity, V (Figure 15-4)	(ft/s)	7.5			
Computed Tt = L / 3600V	(hrs)	-	-	0.00000	0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.017	hrs.
	1.0	min.

Use Tc = 1.0 **min**

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Watershed or Subarea Designation: PROPOSED

Area PDA 41 IMPERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		PAVED	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.0110			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0100			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.026			0.026

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		PAVED			
Flow Length, L	(ft)	308			
Watercourse slope, s	(ft/ft)	0.0100			
Average Velocity, V (Figure 15-4)	(ft/s)	2.0			
Computed Tt = L / 3600V	(hrs)	0.043			0.043

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.069	hrs.
	4.1	min.

Use Tc = 4.1 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 40 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0120			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.286			0.286

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	216			
Watercourse slope, s	(ft/ft)	0.0280			
Average Velocity, V (Figure 15-4)	(ft/s)	2.5			
Computed Tt = L / 3600V	(hrs)	0.024	-	0.00000	0.024

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.310	hrs.
	18.6	min.

Use Tc = 18.6 **min**

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 40 IMPERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		PAVED	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.0110			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0080			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.029			0.029

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		PAVED			
Flow Length, L	(ft)	172			
Watercourse slope, s	(ft/ft)	0.0080			
Average Velocity, V (Figure 15-4)	(ft/s)	1.7			
Computed Tt = L / 3600V	(hrs)	0.028			0.028

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.056	hrs.
	3.4	min.

Use Tc = 3.4 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 39 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0163			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.253			0.253

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	258			
Watercourse slope, s	(ft/ft)	0.0120			
Average Velocity, V (Figure 15-4)	(ft/s)	1.6			
Computed Tt = L / 3600V	(hrs)	0.045	-	0.00000	0.045

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.298	hrs.
	17.9	min.

Use Tc = 17.9 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 39 IMPERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		PAVED	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.0110			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0100			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.026			0.026

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		PAVED			
Flow Length, L	(ft)	47			
Watercourse slope, s	(ft/ft)	0.0100			
Average Velocity, V (Figure 15-4)	(ft/s)	2.0			
Computed Tt = L / 3600V	(hrs)	0.007			0.007

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.033	hrs.
	2.0	min.

Use Tc = 2.0 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 38 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	51			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0150			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.153			0.153

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	224			
Watercourse slope, s	(ft/ft)	0.0150			
Average Velocity, V (Figure 15-4)	(ft/s)	1.9			
Computed Tt = L / 3600V	(hrs)	0.033	-	0.00000	0.033

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.186	hrs.
	11.1	min.

Use Tc = 11.1 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 38 IMPERVIOUS (N/A)

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)					
Flow Length, L (total <= 100)	(ft)				
Two Year Rainfall, P	(in)				
Land Slope, s	(ft/ft)				
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)					
Flow Length, L	(ft)				
Watercourse slope, s	(ft/ft)				
Average Velocity, V (Figure 15-4)	(ft/s)	#VALUE!			
Computed Tt = L / 3600V	(hrs)	#VALUE!			#VALUE!

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	#DIV/0!	hrs.
	#DIV/0!	min.

Use Tc = 0 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 37A PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.1233			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.113			0.113

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	0			
Watercourse slope, s	(ft/ft)	0.0120			
Average Velocity, V (Figure 15-4)	(ft/s)	1.6			
Computed Tt = L / 3600V	(hrs)	-	-	0.00000	0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.113	hrs.
	6.8	min.

Use Tc = 6.8 min

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Watershed or Subarea Designation: PROPOSED

Area PDA 37A IMPERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		PAVED	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.0110			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0700			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.012			0.012

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		PAVED			
Flow Length, L	(ft)	269			
Watercourse slope, s	(ft/ft)	0.0700			
Average Velocity, V (Figure 15-4)	(ft/s)	5.5			
Computed Tt = L / 3600V	(hrs)	0.014			0.014

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.026	hrs.
	1.5	min.

Use Tc = 1.5 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 37B PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0250			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.214			0.214

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	32			
Watercourse slope, s	(ft/ft)	0.3100			
Average Velocity, V (Figure 15-4)	(ft/s)	7.5			
Computed Tt = L / 3600V	(hrs)	0.001	-	0.00000	0.001

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.215	hrs.
	12.9	min.

Use Tc = 12.9 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 37B IMPERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		PAVED	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.0110			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0080			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.029			0.029

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		PAVED			
Flow Length, L	(ft)	75			
Watercourse slope, s	(ft/ft)	0.0080			
Average Velocity, V (Figure 15-4)	(ft/s)	1.7			
Computed Tt = L / 3600V	(hrs)	0.012			0.012

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.041	hrs.
	2.4	min.

Use Tc = 2.4 min

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Watershed or Subarea Designation: PROPOSED

Area PDA 36A PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	70			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.1900			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.071			0.071

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	0			
Watercourse slope, s	(ft/ft)	0.3100			
Average Velocity, V (Figure 15-4)	(ft/s)	7.5			
Computed Tt = L / 3600V	(hrs)	-	-	0.00000	0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.071	hrs.
	4.3	min.

Use Tc = 4.3 min

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Watershed or Subarea Designation: PROPOSED

Area PDA 36A IMPERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		PAVED	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.0110			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0150			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.022			0.022

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		PAVED			
Flow Length, L	(ft)	6			
Watercourse slope, s	(ft/ft)	0.0150			
Average Velocity, V (Figure 15-4)	(ft/s)	2.4			
Computed Tt = L / 3600V	(hrs)	0.001			0.001

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.023	hrs.
	1.4	min.

Use Tc = 1.4 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 36B PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	25			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.2400			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.029			0.029

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	0			
Watercourse slope, s	(ft/ft)	0.3100			
Average Velocity, V (Figure 15-4)	(ft/s)	7.5			
Computed Tt = L / 3600V	(hrs)	-	-	0.00000	0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.029	hrs.
	1.7	min.

Use Tc = 1.7 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 36B IMPERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		PAVED	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.0110			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0090			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.027			0.027

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		PAVED			
Flow Length, L	(ft)	259			
Watercourse slope, s	(ft/ft)	0.0090			
Average Velocity, V (Figure 15-4)	(ft/s)	1.7			
Computed Tt = L / 3600V	(hrs)	0.042			0.042

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.069	hrs.
	4.1	min.

Use Tc = 4.1 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 35 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	66			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.2200			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.064			0.064

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	0			
Watercourse slope, s	(ft/ft)	0.3100			
Average Velocity, V (Figure 15-4)	(ft/s)	7.5			
Computed Tt = L / 3600V	(hrs)	-	-	0.00000	0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.064	hrs.
	3.9	min.

Use Tc = 3.9 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 35 IMPERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		PAVED	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.0110			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0072			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.030			0.030

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		PAVED			
Flow Length, L	(ft)	86			
Watercourse slope, s	(ft/ft)	0.0072			
Average Velocity, V (Figure 15-4)	(ft/s)	1.5			
Computed Tt = L / 3600V	(hrs)	0.016			0.016

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.046	hrs.
	2.8	min.

Use Tc = 2.8 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 34 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	66			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.1100			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.085			0.085

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	0			
Watercourse slope, s	(ft/ft)	0.3100			
Average Velocity, V (Figure 15-4)	(ft/s)	7.5			
Computed Tt = L / 3600V	(hrs)	-	-	0.00000	0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.085	hrs.
	5.1	min.

Use Tc = 5.1 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 34 IMPERVIOUS (N/A)

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)					
Flow Length, L (total <= 100)	(ft)				
Two Year Rainfall, P	(in)				
Land Slope, s	(ft/ft)				
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)					
Flow Length, L	(ft)				
Watercourse slope, s	(ft/ft)				
Average Velocity, V (Figure 15-4)	(ft/s)	#VALUE!			
Computed Tt = L / 3600V	(hrs)	#VALUE!			#VALUE!

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	#DIV/0!	hrs.
	#DIV/0!	min.

Use Tc = 0 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 33 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	16			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.2800			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.019			0.019

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	0			
Watercourse slope, s	(ft/ft)	0.3100			
Average Velocity, V (Figure 15-4)	(ft/s)	7.5			
Computed Tt = L / 3600V	(hrs)	-	-	0.00000	0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.019	hrs.
	1.1	min.

Use Tc = 1.1 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 33 IMPERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		PAVED	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.0110			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0133			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.023			0.023

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		PACED			
Flow Length, L	(ft)	291			
Watercourse slope, s	(ft/ft)	0.0133			
Average Velocity, V (Figure 15-4)	(ft/s)	1.6			
Computed Tt = L / 3600V	(hrs)	0.051			0.051

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.074	hrs.
	4.4	min.

Use Tc = 4.4 min

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Watershed or Subarea Designation: PROPOSED

Area PDA 32 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0550			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.156			0.156

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	22			
Watercourse slope, s	(ft/ft)	0.1800			
Average Velocity, V (Figure 15-4)	(ft/s)	5.4			
Computed Tt = L / 3600V	(hrs)	0.001	-	0.00000	0.001

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.157	hrs.
	9.4	min.

Use Tc = 9.4 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 32 IMPERVIOUS (N/A)

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)					
Flow Length, L (total <= 100)	(ft)				
Two Year Rainfall, P	(in)				
Land Slope, s	(ft/ft)				
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)					
Flow Length, L	(ft)				
Watercourse slope, s	(ft/ft)				
Average Velocity, V (Figure 15-4)	(ft/s)	#VALUE!			
Computed Tt = L / 3600V	(hrs)	#VALUE!			#VALUE!

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	#DIV/0!	hrs.
	#DIV/0!	min.

Use Tc = 0 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 31 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	31			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.1100			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.046			0.046

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	0			
Watercourse slope, s	(ft/ft)	0.1800			
Average Velocity, V (Figure 15-4)	(ft/s)	5.4			
Computed Tt = L / 3600V	(hrs)	-	-	0.00000	0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.046	hrs.
	2.8	min.

Use Tc = 2.8 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 31 IMPERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		PAVED	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.0110			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0400			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.015			0.015

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		PAVED			
Flow Length, L	(ft)	55			
Watercourse slope, s	(ft/ft)	0.0400			
Average Velocity, V (Figure 15-4)	(ft/s)	4.1			
Computed Tt = L / 3600V	(hrs)	0.004			0.004

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.019	hrs.
	1.1	min.

Use Tc = 1.1 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 30 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	54			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.2800			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.050			0.050

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	0			
Watercourse slope, s	(ft/ft)	0.1800			
Average Velocity, V (Figure 15-4)	(ft/s)	5.4			
Computed Tt = L / 3600V	(hrs)	-	-	0.00000	0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.050	hrs.
	3.0	min.

Use Tc = 3.0 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 30 IMPERVIOUS (N/A)

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)					
Flow Length, L (total <= 100)	(ft)				
Two Year Rainfall, P	(in)				
Land Slope, s	(ft/ft)				
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)					
Flow Length, L	(ft)				
Watercourse slope, s	(ft/ft)				
Average Velocity, V (Figure 15-4)	(ft/s)	#VALUE!			
Computed Tt = L / 3600V	(hrs)	#VALUE!			#VALUE!

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	#DIV/0!	hrs.
	#DIV/0!	min.

Use Tc = 0 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 29 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	34			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.1600			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.043			0.043

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	0			
Watercourse slope, s	(ft/ft)	0.1800			
Average Velocity, V (Figure 15-4)	(ft/s)	5.4			
Computed Tt = L / 3600V	(hrs)	-	-	0.00000	0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.043	hrs.
	2.6	min.

Use Tc = 2.6 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 29 IMPERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		PAVED	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.0110			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0150			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.022			0.022

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		PAVED			
Flow Length, L	(ft)	353			
Watercourse slope, s	(ft/ft)	0.0150			
Average Velocity, V (Figure 15-4)	(ft/s)	2.4			
Computed Tt = L / 3600V	(hrs)	0.040			0.040

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.063	hrs.
	3.8	min.

Use Tc = 3.8 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 28 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	26			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.1300			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.038			0.038

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	0			
Watercourse slope, s	(ft/ft)	0.1800			
Average Velocity, V (Figure 15-4)	(ft/s)	5.4			
Computed Tt = L / 3600V	(hrs)	-	-	0.00000	0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.038	hrs.
	2.3	min.

Use Tc = 2.3 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 28 IMPERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		PAVED	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.0110			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0430			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.015			0.015

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		PAVED			
Flow Length, L	(ft)	158			
Watercourse slope, s	(ft/ft)	0.0430			
Average Velocity, V (Figure 15-4)	(ft/s)	4.1			
Computed Tt = L / 3600V	(hrs)	0.011			0.011

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.025	hrs.
	1.5	min.

Use Tc = 1.5 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 27 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	29			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.2600			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.031			0.031

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	0			
Watercourse slope, s	(ft/ft)	0.1800			
Average Velocity, V (Figure 15-4)	(ft/s)	5.4			
Computed Tt = L / 3600V	(hrs)	-	-	0.00000	0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.031	hrs.
	1.9	min.

Use Tc = 1.9 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 27 IMPERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		PAVED	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.0110			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0590			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.013			0.013

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		PAVED			
Flow Length, L	(ft)	134			
Watercourse slope, s	(ft/ft)	0.0590			
Average Velocity, V (Figure 15-4)	(ft/s)	4.6			
Computed Tt = L / 3600V	(hrs)	0.008			0.008

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.021	hrs.
	1.3	min.

Use Tc = 1.3 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 20 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	82			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.1800			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.083			0.083

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	0			
Watercourse slope, s	(ft/ft)	0.1800			
Average Velocity, V (Figure 15-4)	(ft/s)	5.4			
Computed Tt = L / 3600V	(hrs)	-	-	0.00000	0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.083	hrs.
	5.0	min.

Use Tc = 5.0 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 20 IMPERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.0110			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0500			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.014			0.014

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		PAVED			
Flow Length, L	(ft)	161			
Watercourse slope, s	(ft/ft)	0.0500			
Average Velocity, V (Figure 15-4)	(ft/s)	4.6			
Computed Tt = L / 3600V	(hrs)	0.010			0.010

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.023	hrs.
	1.4	min.

Use Tc = 1.4 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 19 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	30			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.1500			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.040			0.040

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	0			
Watercourse slope, s	(ft/ft)	0.1800			
Average Velocity, V (Figure 15-4)	(ft/s)	5.4			
Computed Tt = L / 3600V	(hrs)	-	-	0.00000	0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.040	hrs.
	2.4	min.

Use Tc = 2.4 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 19 IMPERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		PAVED	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.0110			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0140			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.023			0.023

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		PAVED			
Flow Length, L	(ft)	87			
Watercourse slope, s	(ft/ft)	0.0140			
Average Velocity, V (Figure 15-4)	(ft/s)	2.0			
Computed Tt = L / 3600V	(hrs)	0.012			0.012

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.035	hrs.
	2.1	min.

Use Tc = 2.1 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 18 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	41			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.1400			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.052			0.052

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	0			
Watercourse slope, s	(ft/ft)	0.1800			
Average Velocity, V (Figure 15-4)	(ft/s)	5.4			
Computed Tt = L / 3600V	(hrs)	-	-	0.00000	0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.052	hrs.
	3.1	min.

Use Tc = 3.1 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 18 IMPERVIOUS(N/A)

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)					
Flow Length, L (total <= 100)	(ft)				
Two Year Rainfall, P	(in)				
Land Slope, s	(ft/ft)				
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)					
Flow Length, L	(ft)				
Watercourse slope, s	(ft/ft)				
Average Velocity, V (Figure 15-4)	(ft/s)	#VALUE!			
Computed Tt = L / 3600V	(hrs)	#VALUE!			#VALUE!

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	#DIV/0!	hrs.
	#DIV/0!	min.

Use Tc = 0 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 17A PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	50			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.3100			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.045			0.045

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	0			
Watercourse slope, s	(ft/ft)	0.1800			
Average Velocity, V (Figure 15-4)	(ft/s)	5.4			
Computed Tt = L / 3600V	(hrs)	-	-	0.00000	0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.045	hrs.
	2.7	min.

Use Tc = 2.7 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 17A IMPERVIOUS (N/A)

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)					
Flow Length, L (total <= 100)	(ft)				
Two Year Rainfall, P	(in)				
Land Slope, s	(ft/ft)				
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)					
Flow Length, L	(ft)				
Watercourse slope, s	(ft/ft)				
Average Velocity, V (Figure 15-4)	(ft/s)	#VALUE!			
Computed Tt = L / 3600V	(hrs)	#VALUE!			#VALUE!

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	#DIV/0!	hrs.
	#DIV/0!	min.

Use Tc = 0 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 17B PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	58			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.3100			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.050			0.050

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	0			
Watercourse slope, s	(ft/ft)	0.1800			
Average Velocity, V (Figure 15-4)	(ft/s)	5.4			
Computed Tt = L / 3600V	(hrs)	-	-	0.00000	0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.050	hrs.
	3.0	min.

Use Tc = 3.0 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 17B IMPERVIOUS (N/A)

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)					
Flow Length, L (total <= 100)	(ft)				
Two Year Rainfall, P	(in)				
Land Slope, s	(ft/ft)				
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)					
Flow Length, L	(ft)				
Watercourse slope, s	(ft/ft)				
Average Velocity, V (Figure 15-4)	(ft/s)	#VALUE!			
Computed Tt = L / 3600V	(hrs)	#VALUE!			#VALUE!

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	#DIV/0!	hrs.
	#DIV/0!	min.

Use Tc = 0 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 16A PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	17			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.2600			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.020			0.020

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	0			
Watercourse slope, s	(ft/ft)	0.1800			
Average Velocity, V (Figure 15-4)	(ft/s)	5.4			
Computed Tt = L / 3600V	(hrs)	-	-	0.00000	0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.020	hrs.
	1.2	min.

Use Tc = 1.2 min

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Watershed or Subarea Designation: PROPOSED

Area PDA 16A IMPERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		PAVED	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.0110			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0290			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.017			0.017

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		PAVED			
Flow Length, L	(ft)	5			
Watercourse slope, s	(ft/ft)	0.0290			
Average Velocity, V (Figure 15-4)	(ft/s)	3.2			
Computed Tt = L / 3600V	(hrs)	0.000			0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.018	hrs.
	1.1	min.

Use Tc = 1.1 min

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Watershed or Subarea Designation: PROPOSED

Area PDA 16B PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	17			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.2600			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.020			0.020

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	0			
Watercourse slope, s	(ft/ft)	0.1800			
Average Velocity, V (Figure 15-4)	(ft/s)	5.4			
Computed Tt = L / 3600V	(hrs)	-	-	0.00000	0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.020	hrs.
	1.2	min.

Use Tc = 1.2 min

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Watershed or Subarea Designation: PROPOSED

Area PDA 16B IMPERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.0110			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0210			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.019			0.019

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		PAVED			
Flow Length, L	(ft)	277			
Watercourse slope, s	(ft/ft)	0.0210			
Average Velocity, V (Figure 15-4)	(ft/s)	2.9			
Computed Tt = L / 3600V	(hrs)	0.027			0.027

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.046	hrs.
	2.8	min.

Use Tc = 2.8 min

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Watershed or Subarea Designation: PROPOSED

Area PDA 15 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	69			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.1400			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.080			0.080

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	0			
Watercourse slope, s	(ft/ft)	0.1800			
Average Velocity, V (Figure 15-4)	(ft/s)	5.4			
Computed Tt = L / 3600V	(hrs)	-	-	0.00000	0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.080	hrs.
	4.8	min.

Use Tc = 4.8 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 15 IMPERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		PAVED	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.0110			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0200			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.020			0.020

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		PAVED			
Flow Length, L	(ft)	173			
Watercourse slope, s	(ft/ft)	0.0200			
Average Velocity, V (Figure 15-4)	(ft/s)	2.9			
Computed Tt = L / 3600V	(hrs)	0.017			0.017

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.037	hrs.
	2.2	min.

Use Tc = 2.2 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 14 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	69			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.1100			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.088			0.088

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	0			
Watercourse slope, s	(ft/ft)	0.1800			
Average Velocity, V (Figure 15-4)	(ft/s)	5.4			
Computed Tt = L / 3600V	(hrs)	-	-	0.00000	0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.088	hrs.
	5.3	min.

Use Tc = 5.3 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 14 IMPERVIOUS (N/A)

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Pavement	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.0110			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.35			
Land Slope, s	(ft/ft)	0.0216			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.019			0.019

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		Pavement			
Flow Length, L	(ft)	172			
Watercourse slope, s	(ft/ft)	0.0216			
Average Velocity, V (Figure 15-4)	(ft/s)	2.2			
Computed Tt = L / 3600V	(hrs)	0.022			0.022

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)	1.230			
Wetted Perimeter, Pw	(ft)	3.925			
Hydraulic Radius, r =a/Pw	(ft)	0.313			
Channel Slope (ft/ft)	(ft/ft)	0.040			
Manning's Roughness Coefficient, n		0.014			
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)	9.78			
Flow Length, L	(ft)	193			
Computed Tt = L / 3600V	(hrs)	0.005			0.005

Watershed or subarea Tc	0.046	hrs.
	2.8	min.

Use Tc = 2.8 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 13 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	91			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0550			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.144			0.144

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	0			
Watercourse slope, s	(ft/ft)	0.1800			
Average Velocity, V (Figure 15-4)	(ft/s)	5.4			
Computed Tt = L / 3600V	(hrs)	-	-	0.00000	0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.144	hrs.
	8.7	min.

Use Tc = 8.7 min

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Watershed or Subarea Designation: PROPOSED

Area PDA 13 IMPERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		PAVED	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.0110			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0210			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.019			0.019

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		PAVED			
Flow Length, L	(ft)	585			
Watercourse slope, s	(ft/ft)	0.0210			
Average Velocity, V (Figure 15-4)	(ft/s)	2.9			
Computed Tt = L / 3600V	(hrs)	0.057			0.057

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.076	hrs.
	4.6	min.

Use Tc = 4.6 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 12 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	26			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.1600			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.035			0.035

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	0			
Watercourse slope, s	(ft/ft)	0.1800			
Average Velocity, V (Figure 15-4)	(ft/s)	5.4			
Computed Tt = L / 3600V	(hrs)	-	-	0.00000	0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.035	hrs.
	2.1	min.

Use Tc = 2.1 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 12 IMPERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		PAVED	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.0110			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0120			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.024			0.024

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		PAVED			
Flow Length, L	(ft)	214			
Watercourse slope, s	(ft/ft)	0.0120			
Average Velocity, V (Figure 15-4)	(ft/s)	2.0			
Computed Tt = L / 3600V	(hrs)	0.030			0.030

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.054	hrs.
	3.2	min.

Use Tc = 3.2 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 11 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	31			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.3200			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.030			0.030

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	0			
Watercourse slope, s	(ft/ft)	0.1800			
Average Velocity, V (Figure 15-4)	(ft/s)	5.4			
Computed Tt = L / 3600V	(hrs)	-	-	0.00000	0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.030	hrs.
	1.8	min.

Use Tc = 1.8 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 11 IMPERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		PAVED	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.0110			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0130			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.024			0.024

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		PAVED			
Flow Length, L	(ft)	38			
Watercourse slope, s	(ft/ft)	0.0130			
Average Velocity, V (Figure 15-4)	(ft/s)	2.0			
Computed Tt = L / 3600V	(hrs)	0.005			0.005

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.029	hrs.
	1.7	min.

Use Tc = 1.7 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 10 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	37			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.1200			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.051			0.051

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	0			
Watercourse slope, s	(ft/ft)	0.1800			
Average Velocity, V (Figure 15-4)	(ft/s)	5.4			
Computed Tt = L / 3600V	(hrs)	-	-	0.00000	0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.051	hrs.
	3.1	min.

Use Tc = 3.1 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 10 IMPERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		PAVED	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.0110			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0450			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.014			0.014

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		PAVED			
Flow Length, L	(ft)	265			
Watercourse slope, s	(ft/ft)	0.0450			
Average Velocity, V (Figure 15-4)	(ft/s)	4.4			
Computed Tt = L / 3600V	(hrs)	0.017			0.017

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.031	hrs.
	1.9	min.

Use Tc = 1.9 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 9 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	12			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.2900			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.015			0.015

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	0			
Watercourse slope, s	(ft/ft)	0.1800			
Average Velocity, V (Figure 15-4)	(ft/s)	5.4			
Computed Tt = L / 3600V	(hrs)	-	-	0.00000	0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.015	hrs.
	0.9	min.

Use Tc = 0.9 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 9 IMPERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		PAVED	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.0110			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0380			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.015			0.015

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		PAVED			
Flow Length, L	(ft)	301			
Watercourse slope, s	(ft/ft)	0.0380			
Average Velocity, V (Figure 15-4)	(ft/s)	3.8			
Computed Tt = L / 3600V	(hrs)	0.022			0.022

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.037	hrs.
	2.2	min.

Use Tc = 2.2 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 8 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	12			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.2900			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.015			0.015

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	0			
Watercourse slope, s	(ft/ft)	0.1800			
Average Velocity, V (Figure 15-4)	(ft/s)	5.4			
Computed Tt = L / 3600V	(hrs)	-	-	0.00000	0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.015	hrs.
	0.9	min.

Use Tc = 0.9 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 8 IMPERVIOUS (N/A)

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)					
Flow Length, L (total <= 100)	(ft)				
Two Year Rainfall, P	(in)				
Land Slope, s	(ft/ft)				
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)					
Flow Length, L	(ft)				
Watercourse slope, s	(ft/ft)				
Average Velocity, V (Figure 15-4)	(ft/s)	#VALUE!			
Computed Tt = L / 3600V	(hrs)	#VALUE!			#VALUE!

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	#DIV/0!	hrs.
	#DIV/0!	min.

Use Tc = 0 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 7 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	14			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.2500			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.018			0.018

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	0			
Watercourse slope, s	(ft/ft)	0.1800			
Average Velocity, V (Figure 15-4)	(ft/s)	5.4			
Computed Tt = L / 3600V	(hrs)	-	-	0.00000	0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.018	hrs.
	1.1	min.

Use Tc = 1.1 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 7 IMPERVIOUS (N/A)

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)					
Flow Length, L (total <= 100)	(ft)				
Two Year Rainfall, P	(in)				
Land Slope, s	(ft/ft)				
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)					
Flow Length, L	(ft)				
Watercourse slope, s	(ft/ft)				
Average Velocity, V (Figure 15-4)	(ft/s)	#VALUE!			
Computed Tt = L / 3600V	(hrs)	#VALUE!			#VALUE!

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	#DIV/0!	hrs.
	#DIV/0!	min.

Use Tc = 0 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 6 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	27			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.2600			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.029			0.029

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	0			
Watercourse slope, s	(ft/ft)	0.1800			
Average Velocity, V (Figure 15-4)	(ft/s)	5.4			
Computed Tt = L / 3600V	(hrs)	-	-	0.00000	0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.029	hrs.
	1.8	min.

Use Tc = 1.8 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 6 IMPERVIOUS (N/A)

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)					
Flow Length, L (total <= 100)	(ft)				
Two Year Rainfall, P	(in)				
Land Slope, s	(ft/ft)				
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)					
Flow Length, L	(ft)				
Watercourse slope, s	(ft/ft)				
Average Velocity, V (Figure 15-4)	(ft/s)	#VALUE!			
Computed Tt = L / 3600V	(hrs)	#VALUE!			#VALUE!

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	#DIV/0!	hrs.
	#DIV/0!	min.

Use Tc = 0 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 5 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	27			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.2600			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.029			0.029

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	0			
Watercourse slope, s	(ft/ft)	0.1800			
Average Velocity, V (Figure 15-4)	(ft/s)	5.4			
Computed Tt = L / 3600V	(hrs)	-	-	0.00000	0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.029	hrs.
	1.8	min.

Use Tc = 1.8 min

Bowman CONSULTING	PROJECT: VENUE AT HOPEWELL	JOB NO. 081391-01-001	
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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 5 IMPERVIOUS (N/A)

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)					
Flow Length, L (total <= 100)	(ft)				
Two Year Rainfall, P	(in)				
Land Slope, s	(ft/ft)				
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)					
Flow Length, L	(ft)				
Watercourse slope, s	(ft/ft)				
Average Velocity, V (Figure 15-4)	(ft/s)	#VALUE!			
Computed Tt = L / 3600V	(hrs)	#VALUE!			#VALUE!

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	#DIV/0!	hrs.
	#DIV/0!	min.

Use Tc = 0 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 4A PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	27			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.1100			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.041			0.041

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	0			
Watercourse slope, s	(ft/ft)	0.1800			
Average Velocity, V (Figure 15-4)	(ft/s)	5.4			
Computed Tt = L / 3600V	(hrs)	-	-	0.00000	0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.041	hrs.
	2.5	min.

Use Tc = 2.5 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 4A IMPERVIOUS (N/A)

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Pavement	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.0110			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.35			
Land Slope, s	(ft/ft)	0.0216			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.019			0.019

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		Pavement	Grass		
Flow Length, L	(ft)	354	44		
Watercourse slope, s	(ft/ft)	0.0216	0.1167		
Average Velocity, V (Figure 15-4)	(ft/s)	2.8	5.0		
Computed Tt = L / 3600V	(hrs)	0.036	0.036		0.072

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.091	hrs.
	5.4	min.

Use Tc = 5.4 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 4B PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	46			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0650			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.078			0.078

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	0			
Watercourse slope, s	(ft/ft)	0.1800			
Average Velocity, V (Figure 15-4)	(ft/s)	5.4			
Computed Tt = L / 3600V	(hrs)	-	-	0.00000	0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.078	hrs.
	4.7	min.

Use Tc = 4.7 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 4B IMPERVIOUS (N/A)

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Pavement	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.0110			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.35			
Land Slope, s	(ft/ft)	0.0216			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.019			0.019

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		Pavement	Grass		
Flow Length, L	(ft)	354	44		
Watercourse slope, s	(ft/ft)	0.0216	0.1167		
Average Velocity, V (Figure 15-4)	(ft/s)	2.8	5.0		
Computed Tt = L / 3600V	(hrs)	0.036	0.036		0.072

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.091	hrs.
	5.4	min.

Use Tc = 5.4 min

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Watershed or Subarea Designation: PROPOSED

Area PDA 3 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	18			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.2500			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.022			0.022

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	0			
Watercourse slope, s	(ft/ft)	0.1800			
Average Velocity, V (Figure 15-4)	(ft/s)	5.4			
Computed Tt = L / 3600V	(hrs)	-	-	0.00000	0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.022	hrs.
	1.3	min.

Use Tc = 1.3 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 3 IMPERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		PAVED	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.0110			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0100			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.026			0.026

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		PAVED			
Flow Length, L	(ft)	294			
Watercourse slope, s	(ft/ft)	0.0100			
Average Velocity, V (Figure 15-4)	(ft/s)	2.0			
Computed Tt = L / 3600V	(hrs)	0.041			0.041

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.067	hrs.
	4.0	min.

Use Tc = 4.0 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 2 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0200			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.233			0.233

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	32			
Watercourse slope, s	(ft/ft)	0.1600			
Average Velocity, V (Figure 15-4)	(ft/s)	5.4			
Computed Tt = L / 3600V	(hrs)	0.002	-	0.00000	0.002

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.235	hrs.
	14.1	min.

Use Tc = 14.1 min

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Watershed or Subarea Designation: PROPOSED

Area PDA 2 IMPERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		PAVED	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.0110			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0100			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.026			0.026

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		PAVED			
Flow Length, L	(ft)	189			
Watercourse slope, s	(ft/ft)	0.0100			
Average Velocity, V (Figure 15-4)	(ft/s)	2.0			
Computed Tt = L / 3600V	(hrs)	0.026			0.026

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.052	hrs.
	3.1	min.

Use Tc = 3.1 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 1 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	24			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.1250			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.036			0.036

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	0			
Watercourse slope, s	(ft/ft)	0.1600			
Average Velocity, V (Figure 15-4)	(ft/s)	5.4			
Computed Tt = L / 3600V	(hrs)	-	-	0.00000	0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.036	hrs.
	2.1	min.

Use Tc = 2.1 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 1 IMPERVIOUS (N/A)

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)					
Flow Length, L (total <= 100)	(ft)				
Two Year Rainfall, P	(in)				
Land Slope, s	(ft/ft)				
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)					
Flow Length, L	(ft)				
Watercourse slope, s	(ft/ft)				
Average Velocity, V (Figure 15-4)	(ft/s)	#VALUE!			
Computed Tt = L / 3600V	(hrs)	#VALUE!			#VALUE!

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	#DIV/0!	hrs.
	#DIV/0!	min.

Use Tc = 0 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 53 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	27			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.1230			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.040			0.040

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	0			
Watercourse slope, s	(ft/ft)	0.1600			
Average Velocity, V (Figure 15-4)	(ft/s)	5.4			
Computed Tt = L / 3600V	(hrs)	-	-	0.00000	0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.040	hrs.
	2.4	min.

Use Tc = 2.4 min

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Watershed or Subarea Designation: PROPOSED

Area PDA 53 IMPERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		PAVED	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.0110			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0100			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.026			0.026

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		PAVED			
Flow Length, L	(ft)	355			
Watercourse slope, s	(ft/ft)	0.0100			
Average Velocity, V (Figure 15-4)	(ft/s)	2.0			
Computed Tt = L / 3600V	(hrs)	0.049			0.049

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.075	hrs.
	4.5	min.

Use Tc = 4.5 min

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Watershed or Subarea Designation: PROPOSED

Area PDA 54 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	90			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0490			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.150			0.150

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	0			
Watercourse slope, s	(ft/ft)	0.1600			
Average Velocity, V (Figure 15-4)	(ft/s)	5.4			
Computed Tt = L / 3600V	(hrs)	-	-	0.00000	0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.150	hrs.
	9.0	min.

Use Tc = 9.0 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 54 IMPERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		PAVED	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.0110			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0110			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.025			0.025

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		PAVED			
Flow Length, L	(ft)	130			
Watercourse slope, s	(ft/ft)	0.0110			
Average Velocity, V (Figure 15-4)	(ft/s)	2.0			
Computed Tt = L / 3600V	(hrs)	0.018			0.018

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.043	hrs.
	2.6	min.

Use Tc = 2.6 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 52 PERVIOUS

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0290			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.201			0.201

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		UNPAVED	UNPAVED		
Flow Length, L	(ft)	128			
Watercourse slope, s	(ft/ft)	0.0290			
Average Velocity, V (Figure 15-4)	(ft/s)	2.5			
Computed Tt = L / 3600V	(hrs)	0.014	-	0.00000	0.014

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.215	hrs.
	12.9	min.

Use Tc = 12.9 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 52 IMPERVIOUS (N/A)

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		PAVED	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.0110			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0110			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.025			0.025

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		PAVED			
Flow Length, L	(ft)				
Watercourse slope, s	(ft/ft)	0.0110			
Average Velocity, V (Figure 15-4)	(ft/s)	2.0			
Computed Tt = L / 3600V	(hrs)	-			0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.025	hrs.
	1.5	min.

Use Tc = 1.5 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 1 (undetained)

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		PAVED	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.0110			
Flow Length, L (total <= 100)	(ft)				
Two Year Rainfall, P	(in)	3.32			
Land Slope, s	(ft/ft)	0.0110			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.000			0.000

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		PAVED			
Flow Length, L	(ft)				
Watercourse slope, s	(ft/ft)	0.0110			
Average Velocity, V (Figure 15-4)	(ft/s)	2.0			
Computed Tt = L / 3600V	(hrs)	-			0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.000	hrs.
	0.0	min.

Use Tc = 0.0 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 2 (undetained)

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.2400			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.35			
Land Slope, s	(ft/ft)	0.0429			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.171			0.171

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		Grass			
Flow Length, L	(ft)	429			
Watercourse slope, s	(ft/ft)	0.0110			
Average Velocity, V (Figure 15-4)	(ft/s)	1.6			
Computed Tt = L / 3600V	(hrs)	0.074			0.074

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.246	hrs.
	14.7	min.

Use Tc = 14.7 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 3 (undetained)

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Dense Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.1500			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.35			
Land Slope, s	(ft/ft)	0.1100			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.081			0.081

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		Woodlands			
Flow Length, L	(ft)	580			
Watercourse slope, s	(ft/ft)	0.0260			
Average Velocity, V (Figure 15-4)	(ft/s)	0.8			
Computed Tt = L / 3600V	(hrs)	0.201			0.201

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.282	hrs.
	16.9	min.

Use Tc = 16.9 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 4 (undetained)

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Dense Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.1500			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.35			
Land Slope, s	(ft/ft)	0.0870			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.089			0.089

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		Woodlands			
Flow Length, L	(ft)	1045			
Watercourse slope, s	(ft/ft)	0.0278			
Average Velocity, V (Figure 15-4)	(ft/s)	0.4			
Computed Tt = L / 3600V	(hrs)	0.726			0.726

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.814	hrs.
	48.9	min.

Use Tc = 48.9 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 5 (undetained)

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Dense Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.1500			
Flow Length, L (total <= 100)	(ft)	96			
Two Year Rainfall, P	(in)	3.35			
Land Slope, s	(ft/ft)	0.0260			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.139			0.139

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		Woodlands			
Flow Length, L	(ft)				
Watercourse slope, s	(ft/ft)				
Average Velocity, V (Figure 15-4)	(ft/s)				
Computed Tt = L / 3600V	(hrs)				0.000

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)				
Wetted Perimeter, Pw	(ft)				
Hydraulic Radius, r =a/Pw	(ft)				
Channel Slope (ft/ft)	(ft/ft)				
Manning's Roughness Coefficient, n					
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)				
Flow Length, L	(ft)				
Computed Tt = L / 3600V	(hrs)				0.000

Watershed or subarea Tc	0.139	hrs.
	8.3	min.

Use Tc = 8.3 min

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Time of Concentration calculations with the application of the NRCS methodology methodology.

Watershed or Subarea Designation: PROPOSED

Area PDA 5 (undetained)

SHEET FLOW

Segment ID		A	B	C	
Surface Description (Table 15-1)		Dense Grass	Grass	Grass	
Manning's Coefficient, n (Table 15-1)		0.1500			
Flow Length, L (total <= 100)	(ft)	100			
Two Year Rainfall, P	(in)	3.35			
Land Slope, s	(ft/ft)	0.0620			
Computed Tt = 0.007 (nL)^0.8 / P^0.5*s^0.4	(hrs)	0.102			0.102

SHALLOW CONCENTRATED FLOW

Segment ID		B	C		
Surface Description (paved or unpaved)		Woodlands			
Flow Length, L	(ft)	157			
Watercourse slope, s	(ft/ft)	0.0223			
Average Velocity, V (Figure 15-4)	(ft/s)	0.4			
Computed Tt = L / 3600V	(hrs)	0.125			0.125

CHANNEL FLOW

Segment ID		D	E	F	
Cross sectional Area, a	(sf)	6.000			
Wetted Perimeter, Pw	(ft)	12.170			
Hydraulic Radius, r =a/Pw	(ft)	0.490			
Channel Slope (ft/ft)	(ft/ft)	0.026			
Manning's Roughness Coefficient, n		0.030			
Velocity, V = 1.49r^(2/3)s^0.5 / n	(ft/s)	4.98			
Flow Length, L	(ft)	472			
Computed Tt = L / 3600V	(hrs)	0.011			0.011

Watershed or subarea Tc	0.237	hrs.
	14.2	min.

Use Tc = 14.2 min